

NOTICE TO BIDDERS, SPECIFICATIONS, CONTRACT AND CONTRACT BOND

FOR
HIGHWAY IMPROVEMENT
County of Cook, Illinois

Toni Preckwinkle
Cook County Board President



Jennifer (Sis) Killen, P.E., PTOE
Superintendent
Cook County Department of
Transportation and Highways

Raffi Sarrafian
Chief Procurement Officer

Letting: December 11, 2024

No Later Than 10 a.m.

2022 Pavement Rehabilitation Program –
North Corridors Package 3
Section Number 22-PRPN1-00-PV
Route No W80, A72, A68, A62, and W34

COOK COUNTY PROCUREMENT CONTRACT NO.: 2411-10160, Purchase Order# 70000343530

BOOK I

NOTICE TO PROSPECTIVE BIDDERS

To obtain specifications and submit 1 original proposal go to:

<https://cookcountyil.bonfirehub.com/portal/?tab=openOpportunities>.

Follow online instructions to register, if you have not already).

**Pre-Bid Meeting: Tuesday, November 19, 2024
11 a.m.**

TEAMS MEETING:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjA0N2Y2ZDQtYmFiYi00MjFiLTgzYWMTYTA3YjViMzMmYjY1%40thread.v2/0?context=%7b%22Tid%22%3a%228b4d55ae-6db4-4e05-a85c-59d6a256cd6e%22%2c%22Oid%22%3a%2266175ef7-f10a-4c3b-b755-1d44ba95bd32%22%7d

All questions are due on **Friday, November 22, 2024** no later than 3:00pm Chicago time

Send all questions via e-mails to: Kimberlei.Aaron@cookcountyil.gov

Bid Submitted by:



COPY Bid Bond attached



COPY Cashier's Check or a Certified Check attached

Name Builders Paving, LLC

Phone No. (847) 419-9000

Email Address: ssalinas@builderspavingllc.com

Address 4401 Roosevelt Road

City Hillside

State Illinois

Zip Code 60162



TONI PRECKWINKLE

PRESIDENT

**Cook County Board
of Commissioners**

TARA S. STAMPS

1st District

DENNIS DEER

2nd District

BILL LOWRY

3rd District

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15th District

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16th District

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17th District

OFFICE OF THE CHIEF PROCUREMENT OFFICER

RAFFI SARRAFIAN

CHIEF PROCUREMENT OFFICER

161 North Clark Street, Suite 2300 • Chicago, Illinois 60602 • (312) 603-5370

ADDENDUM NO. 1

November 13, 2024

**2022 Pavement Rehabilitation Program – North Corridor, Package #3
for
Cook County Department of Transportation and Highways**

Bid No. 2411-10160

To: Interested Vendors of Record

A. General:

This addendum revises the above-referenced solicitation. This addendum is issued prior to execution of the contract, forms a part of contract documents and modifies previously issued documents. Insofar as previously issued contract documents are inconsistent with modifications indicated by this addendum, modifications indicated by this addendum shall govern. Where any part of the contract documents are modified by this addendum, all unaltered provisions shall remain in effect.

B. Acknowledgement:

Acknowledge receipt of this Addendum by returning a signed copy of the Addenda Acknowledgement Form included with the Bid. Failure to do so may subject bidder to disqualification.

C. Changes:

Book III, Pre-Bid Meeting Time has changed from 1:00 a.m. to 11:00 a.m.

Kimberlei Aaron

Robert Stuart

Originated by:
Kimberlei Aaron
Contract Negotiator

Robert Stuart
Deputy Chief Procurement Officer

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COUNTY OF COOK

**CHICAGO, ILLINOIS
NOTICE**

TO CONTRACTORS FOR A COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS IMPROVEMENT

Notice is hereby given that sealed bids for a Department of Transportation and Highways Improvement in the County of Cook, Illinois, as described below, will be received at <https://cookcountyl.bonfirehub.com/portal/?tab=openOpportunities>.

No later than **10:00 a.m. on Wednesday, December 11, 2024**

Improvement 2022 PRP – North Corridors Package 3 Township: Various

From: _____ To: _____

Route W80, A72, A68, A62, and W34 Section: 22-PRPN1-00-PV

Cook County Purchasing Contract No.: **2411-10160**

LOCATION OF IMPROVEMENT

The proposed improvement is part of the public highway system in the County of Cook, State of Illinois, located by section and route before mentioned, and is indicated on the map showing the County Highway System on file in the office of the County Clerk and also in the office of the Illinois Department of Transportation, Division of Highways, Springfield, Illinois.

- S01 - Landwehr Road (CH W80) - Hampton Court to Dundee Road
- S02 - Walters Avenue (CH A72) - Landwehr Road to Pfingsten Road
- S03 - Landmeier Road (CH A68) - Arlington Heights Road to west Of Busse Road
- S05 - Landmeier Road (CH A68) - Cambridge Drive to Higgins Road
- S20 - Shoe Factory Road (CH A62) - Beverly Road to Bartlett Road
- S21 - Sunset Ridge Road (CH W34) - Lake Avenue to Skokie Boulevard

DESCRIPTION OF IMPROVEMENT

This project consists of pavement rehabilitation on six segments of Cook County routes. The improvements to each corridor are described below.

Landwehr Road from Hampton Court to Dundee Road - Mill and resurface HMA pavement, pavement markings, sidewalk ramp improvement, modernization of traffic signals at Techny Road, Walters Avenue, and Cherry Lane, and detector loop replacement at Willow Road and Dundee Road. Intersection with Willow Road will be omitted from the resurfacing improvements.

Walters Avenue from Landwehr Road to Pfingsten Road - Mill and resurface HMA pavement, pavement markings, sidewalk ramp improvements and detector loop replacement at Pfingsten Road.

Landmeier Road from Arlington Heights Road to 800' west of Busse Road - Diamond grind PCC pavement, pavement markings, sidewalk ramp improvements, and modernization of traffic signals at Arlington Heights Road and Lively Boulevard. Corrugated median along Landmeier Road will be removed and pavement restriped to provide a five-lane cross section. Intersection with Tonne Road will be omitted from the diamond grinding improvements.

Landmeier Road from Cambridge Drive to Higgins Road - Mill and overlay PCC pavement, pavement markings, sidewalk ramp improvements, and detector loop replacement at Higgins Road. Corrugated median along Landmeier Road will be removed and replaced with painted median.

Shoe Factory Road from Beverly Road to Bartlett Road - Mill and resurface HMA pavement, pavement markings, and sidewalk ramp improvements. Intersection with Illinois Route 59 will be omitted from the resurfacing improvements.

Sunset Ridge Road from Lake Avenue to Skokie boulevard - Mill and resurface HMA pavement, pavement markings, sidewalk ramp improvements, and modernization of traffic signal at Lake Avenue. Intersection with Willow Road will be omitted from the resurfacing improvements.

BY ORDER
BOARD OF COUNTY COMMISSIONERS
THE COUNTY OF COOK
RAFFI SARRAFIAN
CHIEF PROCUREMENT OFFICER
JENNIFER (SIS) KILLEN, P.E., PTOE
SUPERINTENDENT OF DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
DEFINITION OF TERMS

PLANS. The plans herein referred to are those prepared by the County Superintendent of Department of Transportation and Highways. The plans which cover the proposed improvement are designated by the section and route numbers inscribed herein and include all standard and special designs pertaining to the proposed improvement.

SPECIFICATIONS. The specifications herein referred to are the Standard Specifications for Road and Bridge Construction, Supplemental Specifications, the special provisions and all written agreements and documents of any description pertaining to the method or manner of performing the work and the quantity or quality of materials to be furnished under the contract. The Standard Specifications for Road and Bridge Construction are those prepared by the Department of Transportation of the State of Illinois, adopted January 1, 2022. The Supplemental Specifications are those prepared by the Department of Transportation of the State of Illinois.

INTENT OF PLANS AND SPECIFICATIONS. The intent of those plans and specifications is to prescribe a complete outline of the proposed improvement which the Contractor undertakes to construct in full compliance with the contract. In case of discrepancy, plans shall govern over Standard and Supplemental Specifications and Special Provisions shall govern over plans and specifications.

ABOUT REQUESTS FOR PLANS & PROPOSALS

The Specification can be downloaded at <https://cookcountyil.bonfirehub.com/portal/?tab=openOpportunities> (follow online instructions to register, if you have not already). When the plans are not included in the bid document on the http site, you must also download the Plans (Drawings) the link provided on the cover page.

INFORMATION for BIDDERS

1) If the prospective bidder is in doubt as to the meaning of any part of the plans, specifications of other proposed contract documents, they may submit a written clarification to the Chief Procurement Officer (CPO) for an interpretation thereof. The prospective bidder submitting the request will be responsible for

the prompt delivery to the Chief Procurement Officer. Any interpretation of the proposal documents will be made by an addendum duly issued through the Cook County Purchasing website.

2) An estimate of quantities of work to be done and material to be furnished under the specifications will be found in the Schedule of Prices. It is the result of calculations and is given as a basis for a comparison of bids and award of a contract.

3) The bidder should include in the bid price in his bid for any taxes such as Occupational, Social Security, Unemployment Compensation, etc., which he might be required to pay in connection with the construction of the proposed improvement. The County of Cook will not reimburse the Contractor for the payment of any such taxes.

4) The Board of County Commissioners for the County of Cook reserves the right to reject any or all bids and to waive technicalities of form. Bids may be rejected if current work being performed for the County of Cook by the bidder has been unsatisfactory from the standpoint of workmanship or progress, or if the contractor has been awarded work by others subsequent to the issuance of the bid, which may, in the judgment of said Board of County Commissioners of Cook County endanger the prompt completion of the proposed improvement.

5) The bidder shall include in his bid a Bid Guarantee in accordance with provisions contained in the proposal form. The return of the bid guarantee will be in accordance with provisions contained in the bid form.

6) The bidder who submits the bid shall furnish a satisfactory Surety Bond in the amount of one hundred percent (100%) of the contract price within **fourteen (14) days** after receiving notice of acceptance. Such acceptance being contingent upon the fulfillment of this requirement by said bidder. Failure on the part of said bidder to so execute a Contract and Surety Bond shall be considered just cause for the forfeiture of the bid guaranty as payment of liquidated damages sustained by the County of Cook as the result of such, and the annulment of acceptance of the proposal.

7) If bidder is submitting a bid as a Joint Venture, bidder shall complete the County's Joint Venture Forms and shall submit such Joint Venture Forms **when the bid is submitted**. Bidder is reminded that compliance with the Assumed Business Name Act (805 ILCS 405/1 et seq.) is required of all Joint Ventures.

8) The following completed documents are to be submitted with the bid. Where indicated, originals will be required during post bid/contract approval process.

Addendum Receipt (if applicable)	1 copy
Joint Venture Forms (when applicable)	1 original
Bituminous Materials Cost Adjustments (when applicable)	1 original
IDOT Certificate of Eligibility	copy
IDOT Affidavit of Availability	copy
MBE/WBE Utilization Plan	copy
Letter of Intent from MBE/WBE to Perform as Subcontractor, Supplier and/or Consultant	copy
Petition for Reduction/Waiver of MBE/WBE Participation Goals	original

MBE/WBE Certification Letters (Current)	copy
Identification of Subcontractor/Supplier/Sub consultant	original
Veteran's Workplace Preference Public Works Contracts	original
Contractor Certifications	original
Economic and Other Required Disclosures	original
Lobby, Local Business Preference,	
Real Estate Ownership	original
Affidavit of Child Support Obligations	original
Disclosure of Ownership Interest Statement	original
Familial Relationship Disclosure Provision	original
Affidavit for Wage Theft Ordinance	original
Certification Concerning Labor Standards	
And Prevailing Wage Requirements	original
Subcontractors Certification Concerning Labor Standards	
and Prevailing Wage Requirements	original
Execution Pages:	
Sole Proprietor Signature Page	1 originals
Partnership and/or Joint Venture Signature Page	1 originals
Corporation Signature Page	1 originals
Bid Deposit Form	Copy
Proposal Bid Bond	Copy
Surety Statement of Qualifications	original

The following documents are to be submitted within fourteen (14) calendar days of written notice::

Performance and Payment Bond	1 original
Certificates of Insurance evidencing:	
Worker's Compensation and Employer's Liability	1 original
Commercial General Liability	1 original
Commercial Automobile Liability	1 original
Excess Liability	1 original
Contractor's Pollution Liability	1 original (if required)
Railroad Protective Liability (when applicable)	1 original
Trust Agreement	1 original

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**SPECIAL PROVISION
FOR
BIDDING REQUIREMENTS AND CONDITIONS FOR CONTRACT PROPOSALS**

Qualification of Bidders

The Awarding Authority for contract construction work is the County Board of a County. Each prospective bidder, in evidence of competence, shall furnish the Awarding Authority a certified copy of a "Certificate of Eligibility" issued by the Illinois Department of Transportation, and Contractor's Statement of Experience and Financial Condition" with their bid. Each prospective bidder shall furnish a sworn statement as to equipment owned and controlled, previous experience and construction work.

If the bidder to whom the award is made is a corporation organized under the laws of the State other than Illinois, the bidder shall furnish the Awarding Authority a copy of the corporation's Certificate of Authority to do business in the State of Illinois with the bid.

The bidder must provide the Awarding Authority a sworn Affidavit of Availability showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work in the bid. The bidder should file two (2) copies of same with IDOT's District office.

Interpretation of Quantities in the Bid Schedule

The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased, or omitted as hereinafter provided.

Examination of Plans, Specifications, Special Provisions, and Site of Work

The bidder shall, before submitting a bid, carefully examine the provisions of the contract. The bidder shall inspect in detail the site of the proposed work, investigate and become familiar with all the local conditions affecting the contract and fully acquaint themselves with the detailed requirements of construction. Submission of a bid shall be a conclusive assurance and warranty the bidder has made these examinations and the bidder understands all requirements for the performance of the work. If the submitted bid is accepted, the bidder shall be responsible for all errors in the bid resulting from the bidder's failure or neglect to comply with these instructions. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses, or change in anticipated profits resulting from such failure or neglect of the bidder to make these examinations.

The bidder shall take no advantage of any error or omission in the bid documents and advertised contract. Any prospective bidder who desires an explanation or interpretation of the plans, specification, or any of the contract documents shall request such in writing from the Awarding Authority in sufficient time to allow a written reply by the Awarding Authority that can reach all prospective bidders before the submission of their bids. Any reply given a prospective bidder concerning any of the contract documents, plans, and specifications will be furnished to all prospective bidders in the form determined by the Awarding Authority including, but not limited to, an addendum, if the information is deemed by the Awarding Authority to be necessary in submitting bids or if the Awarding Authority concludes the information would aid competition. Oral explanations, interpretations, or instructions given before the submission of bids unless at a pre-bid conference will not be binding on the Awarding Authority.

Changes in Improvement

The undersigned agrees that in case the Superintendent of Cook County Department of Transportation and Highways decides either to extend or decrease the area of the proposed improvement or to do both or otherwise alter it by extras or deductions including the elimination of any one or more of the quantities listed in the Schedule of Prices the undersigned will make such change in the contract price by adding or subtracting there from as the case may be by applying the respective unit prices to the quantities of the several items of work that may be involved by reason of such change.

Preparation of the Bid

Bidders shall submit their bids on the form furnished by the Awarding Authority. The bid shall be executed properly, and bids shall be made for all items indicated in the bid form, except when alternate bids are asked, a bid on more than one alternate for each item is not required, unless otherwise provided. The bidder shall indicate in figures, a unit price for each of the separate items called for in the bid form; the bidder shall show the products of the respective quantities and unit prices in the column provided for that purpose, and the gross sum shown in the place indicated in the bid form shall be the summation of said products. All writing shall be with ink or typewriter, except the signature of the bidder which shall be written in ink.

Any erasures or alterations in the unit prices and/or in the products of the respective quantities and unit prices in the bid, must be properly authenticated by the bidder by initialing in ink such erasures or alterations to avoid cause for rejection of the bid in accordance with Title 44 Illinois Administrative Code Chapter IX Section 660.180.

If the bid is made by an individual, that individual's name and business address shall be shown. If made by a firm or partnership, the name and business address of each member of the firm or partnership shall be shown. If made by a corporation, the bid shall show the names, titles, and business addresses of the president, corporate secretary and treasurer. The bid shall be signed by president or someone with authority to execute contracts and attest by the corporate secretary or someone with authority to execute or attest to the execution of contracts.

Rejection of Bids

The Awarding Authority reserves the right to reject any bids for any of the conditions listed below:

- a) More than one bid for same work from an individual, firm partnership, or corporation under the same name or different names.
- b) Evidence of collusion among bidders.
- c) Unbalanced bids in which the bid prices for some items are, in the judgment of the Awarding Authority, out of proportion to the bid prices for other items.
- d) If the bid does not contain a unit price for each pay item listed except in the case of authorized alternate pay items or lump sum pay items.
- e) If the bid form is other than that furnished by the Awarding Authority; or if the form is altered or any part thereof is detached.
- f) If there are omissions, erasures, alterations unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the bid incomplete, indefinite or ambiguous as to its meaning.
- g) If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
- h) If the proposal is not accompanied by the proper bid guaranty.
- i) If the bid is prepared with other than ink or typewriter, or otherwise fails to meet the requirement of the above "Preparation of Proposal" section.
- j) Lack of Competency and adequate machinery, plant, and other equipment, as revealed by the financial statement and experience questionnaires required in the prequalification procedures.
- k) Uncompleted work which, in the judgment of the Awarding Authority, might hinder or prevent the prompt completion of additional work awarded.
- l) False information provided on a bidder's "Affidavit of Availability".
- m) Failure to pay, or satisfactorily settle, all bills due for labor and material on former contracts in force at the time of issuance of bid forms.

- n) Failure to comply with any prequalification regulations of the Department.
- o) Default under previous contracts.
- p) Unsatisfactory performance record as shown by past work for the Awarding Authority, judged from the standpoint of workmanship and progress.
- q) When the contractor is suspended from eligibility to bid at a public letting where the contract is awarded by, or requires approval of, the Department.
- r) When any agent, servant, or employee of the prospective bidder currently serves as a member, employee, or agent of a governmental body that is financially involved in the proposal work.
- s) When any agent, servant, or employee of the perspective bidder has participated in the preparation of plans or specifications for the proposed work.

Bid Guaranty

Each bid shall be accompanied by a bid bond on the Department form contained in the bid document, executed by a corporate surety company satisfactory to the Awarding Authority, by a bank cashier's check or a properly certified check for not less than five percent (5%) of the amount bid, or for the amount specified in the following schedule:

	<u>Amount Bid</u>	<u>Proposal Guaranty</u>
Up to	\$5,000	\$150
\$5,000	\$10,000	\$300
\$10,000	150,000	\$1,000
\$50,000	\$100,00	\$3,000
\$100,000	\$150,000	\$5,000
\$150,000	\$250,000	\$7,500
\$250,000	\$500,000	\$12,500
\$500,000	\$1,000,000	\$25,000
\$1,000,000	\$1,500,000	\$50,000
\$1,500,000	\$2,000,000	\$75,000
\$2,000,000	\$3,000,000	\$100,000
\$3,000,000	\$5,000,000	\$150,000
\$5,000,000	\$7,500,000	\$250,000
\$7,500,000	\$10,000,000	\$400,000
\$10,000,000	\$15,000,000	\$500,000
\$15,000,000	\$20,000,000	\$600,000
\$20,000,000	\$25,000,000	\$700,000
\$25,000,000	\$30,000,000	\$800,000
\$30,000,000	\$35,000,000	\$900,000
Over	\$35,000,000	\$1,000,000

In the event that one proposal guaranty check is intended to cover two or more bids, the amount must equal to the sum of the bid guaranties, which would be required for each individual proposal.

Bank cashier's checks or properly certified checks accompanying bids shall be made payable to the County Treasurer, when a County is the Awarding Authority; or the City, Village, or Town Treasurer, when a city, village or town is the Awarding Authority.

The bid guaranty checks of all except the two (2) lowest responsible bidders will be returned promptly after the bids have been checked, tabulated, and the relation of the bids established. Bid guaranty checks of the

two lowest responsible bidders will be returned as soon as the contract and contract bond of the successful bidder have been properly executed and approved. Bid bonds will not be returned.

After a period of three (3) working days has elapsed after the date of opening proposals, the Awarding Authority may permit the two lowest bidders to substitute for the banks cashier's checks or certified checks submitted with their bids as proposal guaranties, bid bonds on the Department forms executed by corporate surety companies satisfactory to the Awarding Authority.

Delivery of Bids

Until further notice, Cook County is accepting bids electronically at:

<https://cookcountyil.bonfirehub.com/portal/?tab=openOpportunities>

Please refer to APPENDIX VII – ONLINE SUBMISSION STEP BY STEP INSTRUCTION V2 APRIL 2020 for details on submitting you bid.

All bids shall be filed prior to the time and at the place specified.
Bids received after the time specified will not be considered for award.

Withdrawal of Bids

Bidder may withdraw their bid prior to bid opening.

Consideration of Bids

After the bids are opened and read, they will be compared on the basis of the summation of the products of the quantities shown in the bid schedule by the unit bid prices. In awarding contracts, the Awarding Authority will, in addition to considering the amounts stated in the bids, take into consideration the responsibility of the various bidders as stated under "Rejection of Bids and documents submitted in the bid and from other investigations which it may elect to make.

The right is reserved to reject any or all bids, to waive technicalities, or to advertise from new bids, if in the judgment of the Awarding Authority, the best interests of the Awarding Authority will be promoted thereby.

Awarding of Contract

The award of contract will be made within 90 calendar days after the opening of bids to the lowest responsible and responsive qualified bidder whose bids complies with all the requirements prescribed. The successful bidder will be notified that their bid has been accepted, and subject to the following conditions, the bidder will be the Contractor. In addition, **the contractor shall provide all required insurance and bonding as specified within fourteen (14) calendar days from notice.**

An approved contract executed by the Awarding Authority is required before the Awarding Authority is bound. An award may be cancelled any time by the Awarding Authority prior to execution in order to protect the public interest and integrity of the bidding process or for any other reason, if the judgment of the Awarding Authority and/or the best interests of the Awarding Authority will be promoted thereby.

If the bidder to whom the award is made is a corporation organized under the laws of the State other than Illinois, the bidder shall furnish the Awarding Authority a copy of the corporation's Certificate of Authority to do business in the State of Illinois with the return of the executed documents and bond. Failure to furnish such evidence of a Certificate of Authority within the time required will be considered as just cause for the annulment of the award and the forfeiture of the proposal guaranty to the Awarding Authority, not as a penalty, but in payment of liquidated damages sustained as a result of such failure.

If a contract is not awarded within 90 days after the bid opening, bidders may file a written request with the Awarding Authority for the withdrawal of their bid, or agree to maintain their bid price.

Requirement of Contract Bond

The surety shall be acceptable to the Awarding Authority, shall waive notice of any changes and extensions of time, and shall submit its bond on the form furnished by the Awarding Authority.

Failure to Execute Contract

If the contract is not executed by the Awarding Authority within 90 days from the bid opening, the bidder shall have the right to withdraw their bid without penalty.

Failure of the successful bidder to provide all required insurance and bonding within **fourteen (14) days after written notification** shall be just cause for the cancellation of the award and the forfeiture of the bid guaranty which shall become the property of the Awarding Authority, not as penalty, but in liquidation of damages sustained. Award may then be made to the next lowest responsible bidder, or the work may be advertised again and constructed under contract, or otherwise, as the Awarding Authority may decide.

**SPECIAL PROVISION
FOR
PRE-BID MEETING**

Prospective bidders are advised that Pre-Bid Meeting will be held:

Date: **Tuesday, November 19, 2024**

Time: **11 a.m.**

Place: Teams Meeting

https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjA0N2Y2ZDQtYmFiYi00MjFiLTgzYWMtYTA3YjViMzMmYjY1%40thread.v2/0?context=%7b%22Tid%22%3a%228b4d55ae-6db4-4e05-a85c-59d6a256cd6e%22%2c%22Oid%22%3a%2266175ef7-f10a-4c3b-b755-1d44ba95bd32%22%7d

**SPECIAL PROVISION
FOR
WAGES OF EMPLOYEES ON PUBLIC WORKS**

1. **Prevailing Wages.** All wages paid by the contractor and each subcontractor shall be in compliance with The Prevailing Wage Act (820 ILCS 130), as amended, except where a prevailing wage violates a federal law, order, or ruling, the rate conforming to the federal law, order, or ruling shall govern. The Illinois Department of Labor publishes the prevailing wage rates on its website at www.state.il.us/agency/idol/rates.rates.htm. If the Illinois Department of Labor revises the prevailing wage rates, the revised prevailing wage rates on the Illinois Department of Labor's website shall apply to this contract and the contractor will not be allowed additional compensation on account of said revisions. The contractor shall review the wage rates applicable to the work of the contract at regular intervals in order to ensure the timely payment of current wage rates. The contractor agrees that no additional notice is required. The contractor shall be responsible to notify each subcontractor of the wage rate set forth in this contract and any revisions thereto.

2. **Payroll Records.** The contractor and each subcontractor shall make and keep, for a period of not less than five years from the date of the last payment on a contract or subcontract, records of all laborers, mechanics, and other workers employed by them on the project; the records shall include information required by 820 ILCS 13/5 for each worker. Upon seven (7) business days' notice, the contractor and each subcontractor shall make available for inspection and copying at a location within this State during reasonable hours, the payroll records to the public body in charge of the project, its officers and agents, the Director of Labor and his deputies and agents, and to federal, State, or local law enforcement agencies and prosecutors.

3. **Submission of Payroll Records.** The contractor and each subcontractor shall, no later than the 15th day of each calendar month, file a certified payroll for the immediately preceding month with public body in charge of the project, except that the full social security number and home address shall not be included on weekly transmittals. Instead the payrolls shall include an identification number for each employee (E.g., the last four digits of the employee's social security). The certified payroll shall consist of a complete copy of the payroll records except starting and ending times of work each day may be omitted.

The certified payroll shall be accompanied by a statement signed by the contractor or subcontractor or an officer, employee, or agent of the contractor or subcontractor which avers that: (i) he or she has examined the certified payroll records required to be submitted by the Act and such records are true and accurate; (ii) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required; and (iii) the contractor or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class A misdemeanor.

All certified payroll records required to be submitted pertaining to Cook County Department of Transportation and Highway contracts should be submitted to the following address:

Chief Engineer – Construction Bureau
Cook County Department of Transportation and Highways
69 West Washington Street – 24th Floor
Chicago, IL 60602

4. **Employees Interviews.** The contractor and each subcontractor shall permit his/her employees to be interviewed on the job, during working hours, by compliance investigators of the Department of Labor.

**SPECIAL PROVISION
FOR
ALTERNATE PROPOSAL**

The Bidder certified that this bid and the unit prices shown on the schedule of prices are based on performing the work in accordance with "An Act Regulating the Wages of Laborers, Mechanics and other Workers employed under contracts for Public Works" enacted by the 62nd General Assembly and approved June 26, 1941, as amended. Should said "Act" be declared inoperative, void or unconstitutional at any time, either before or after the awarding of the contract for this project, the bidder agrees to perform the work at a reduction of _____ per cent, of the unit prices shown on the schedule of prices, it being expressly understood and agreed that the within bid shall be and remain in full force and effect, regardless of whether the said "Act" is declared to be inoperative, void or unconstitutional. The contract for this project is to be awarded on the bases of the unit prices shown on the schedule of prices, and the percentage reduction, if any, act out in this alternative proposal, is to receive no consideration in the award of this contract.

Should the said "Act" be declared inoperative, void or unconstitutional at any time after the awarding of said contract, whether before, during or after the completion of the work, the said contract shall remain in full force and effect, and shall be subject only to said reduction, if any, in the unit prices shown on the schedule of prices.

NOTE: The Bidder shall insert in the first paragraph the percentage which he will reduce his unit prices, if any, in the event the Act is declared inoperable, void or unconstitutional.

ORDINANCE

BE IT ENACTED BY THE BOARD OF COMMISSIONERS OF THE COUNTY OF COOK, that the Chief Procurement Officer of Cook County shall specify in the call for bids in any contract for public works that such contractors bidding on public works contracts of the County of Cook shall conform to Illinois Compiled Statutes, Chapter 30, Section 560/1 and following, which Act is entitled "An Act" to give preference in the construction of public works projects and improvements to citizens of the United States who have resided in Illinois for one year". The Chief Procurement Officer of Cook County in awarding the contract shall cause to be inserted in the contract a stipulation to the effect that the contractor shall conform to the above cited Illinois Statute.

MINORITY AND WOMEN BUSINESS ENTERPRISES
COOK COUNTY ORDINANCE CHAPTER 34, DIVISION 8, SECTION 34-260 to SECTION 34-300

I. POLICY AND GOALS

- A. It is the policy of the County of Cook to prevent discrimination in the award of or participation in County contracts and to eliminate arbitrary barriers for participation, as both prime and sub-contractors, in such contracts by local businesses certified as Minority Business Enterprises (MBE) and Women owned Business Enterprises (WBE). In furtherance of this policy, the Cook County Board of Commissioners has adopted a Minority and Women owned Business Enterprise Ordinance (the "Ordinance") which establishes goals as outlined below:

Contract Type	Goals	
	MBE	WBE
Goods and Services	25%	10%
Construction	24%	10%
Professional Services	35% Overall	

- B. **The County may set contract specific goals for each contract, based on the commodities or services specified in this bid document. The MBE/WBE percentages required for this contract are 24% MBE and 10% WBE.** A Bid or Quotation shall be rejected if the County determines that a Bid or Quotation fails to comply with this provision, including but not limited to, commitments to achieve for this contract, the MBE/ WBE goals of the contract amount or to include a Petition for Reduction/Waiver documenting why the goals are not attainable despite the contractor's Good Faith Efforts. A Bid or Quotation may be rejected and a new Bid or Quotation may be solicited if the public interest is served thereby. Unless otherwise specified in the Bid or Quotation Documents, for purposes of this provision, the contract amount is the amount that has been entered on the Proposal page of the Bid or Quotation Documents.
- C. Except to the extent that a Bid or Quotation includes a Reduction/Waiver request, the contract MBE and WBE participation goals may be achieved by the Bid or Quotation entities' status as a MBE or WBE; by entering into a joint venture with one or more MBEs and/or WBEs; by subcontracting a portion of the work to one or more MBEs and WBEs; by establishing and carrying out a mentor/protégé agreement; by the Indirect Participation of one or more MBEs and WBEs used by the entity submitting a Bid or Quotation in other aspects of its business; or by any combination of the foregoing so long as the Utilization Plan evidences a commitment to the MBE and WBE contract goals set forth in (B) above.
- D. The same Business Enterprise, whether as a contractor, subcontractor or supplier, cannot be utilized as both a MBE and a WBE on the same contract.
- E. To the extent that the Ordinance does not apply to this Bid or Quotation, unless specifically waived in the Bid or Quotation Documents, this provision and the wording of the Ordinance shall apply. If there is a conflict between this provision and the Ordinance or the wording of the Ordinance, the Ordinance or its wording controls.
- F. A Contractor's failure to carry out its commitments in the course of the Contract's performance shall constitute a material breach of the Contract and if such breach is not appropriately cured, may result in the termination of the Contract or such remedy authorized by the Ordinance as the County deems appropriate.

MINORITY AND WOMEN BUSINESS ENTERPRISES
COOK COUNTY ORDINANCE CHAPTER 34, DIVISION 8, SECTION 34-260 to SECTION 34-300

II. REQUIRED BID OR QUOTATION SUBMITTALS

To be considered responsive, a Bid or Quotation shall meet the MBE and WBE goals by submitting a Utilization Plan with the Bid or Quotation, which shall be (1) supported by Letters of Intent from the MBEs and WBEs together with the MBEs/WBEs **current** Letters of Certification, and/or (2) include a written Petition for Reduction/Waiver with the Bid or Quotation supported by documentation of Good Faith Efforts to meet the goals. Failure to submit the documents set forth in (A) and (B) of this Section II in accordance with these guidelines will cause the Bid or Quotation to be considered non-responsive and shall be cause to reject the Bid or Quotation.

A. MBE/WBE Utilization Plan

Each Bid or Quotation shall include with the Bid or Quotation a complete Utilization Plan. The Utilization Plan shall list the names, mail and email addresses, telephone number and contact persons of businesses intended to be used as MBEs and WBEs on the Contract. If the entity submitting a Bid or Quotation, or any of its subcontractors, suppliers or consultants, are certified MBEs or WBEs they shall be identified as an MBE or WBE within the Utilization Plan.

1. Letter(s) of Intent

Except as set forth below, a Bid or Quotation shall include with its Utilization Plan, Letter(s) of Intent executed by each MBE and WBE included in the Utilization Plan and by the entity submitting the Bid or Quotation, which sets forth that each MBE and WBE intends to perform as a subcontractor, supplier, joint venture partner and/or consultant on the contract. The Letters of Intent must accurately detail the work to be performed by the MBE or WBE firm and the agreed rates and/or prices to be paid. Failure to submit all Letter(s) of Intent as required may result in the Contract Compliance Director's determination that a Bid or Quotation is not responsive and shall be cause to reject the Bid or Quotation.

All commitments made by a Bid or Quotation in its Utilization Plan must conform to those included in the submitted Letter(s) of Intent. The Contract Compliance Administrator reserves the right to request supplemental information regarding the Letter(s) of Intent submitted with a Bid or Quotation and such information shall be furnished. (Reference Economic Disclosure Section for a format sample of a Letter of Intent)

2. Letter(s) of Certification

Only **current** Letters of Certification from one of the following entities may be accepted as certification of MBE/WBE status:

- County of Cook
- City of Chicago (NOTE: firms certified by the City of Chicago in any area other than Construction must complete and submit a Personal Net Worth/Size Standard Affidavit. This form can be downloaded online at www.cookcountyil.gov/contractcompliance)

or any other governmental body or agency approved by the Contract Compliance Director as applying certification standards substantially similar to those applied by the County of Cook may also be accepted.

The Contract Compliance Director retains the right to reject the certification of any MBE or WBE on the ground that it does not meet the County's definition of a MBE or WBE.

MINORITY AND WOMEN BUSINESS ENTERPRISES
COOK COUNTY ORDINANCE CHAPTER 34, DIVISION 8, SECTION 34-260 to SECTION 34-300

3. **Joint Venture Affidavit**

In the event a Bid or Quotation achieves MBE and/or WBE participation by entering into a Joint Venture, the Bid or Quotation shall include the required Joint Venture Affidavit which can be downloaded online at www.cookcountyil.gov/contractcompliance). Such Joint Venture Affidavit shall be submitted with the Bid or Quotation along with **current** Letter(s) of Certification.

B. Reduction/Waiver Petition

In the event a Bid or Quotation is unable to meet the applicable contract MBE and WBE participation goals, the Bid or Quotation must include a Petition for Reduction/Waiver and submit the Petition with its Bid or Quotation. The Petition for Reduction/Waiver shall be supported with evidence and sufficient documentation to demonstrate the Bid's or Quotation's Good Faith Efforts in attempting to achieve the applicable MBE and WBE goals. Failure to submit a Petition for Reduction of Waiver as required may result in the Contract Compliance Director's determination that a Bid or Quotation is not responsive and shall be cause to reject the Bid or Quotation.

III. REDUCTION/WAIVER OF MBE/WBE GOALS

A. Granting a Reduction/Waiver Request.

1. The determination of the adequacy of the Good Faith Efforts to utilize MBEs and WBEs in a Bid or Quotation will be evaluated on the basis of the actions in attempting to achieve MBE and WBE participation goals set forth in the Bid or Quotation. Examples of actions constituting Good Faith Efforts for a Bid or Quotation are set forth within the Ordinance and in the "Petition for Reduction/Waiver of MBE/WBE Participation Goals" contained in the Bid or Quotation Documents.
2. The Contract Compliance Director may grant the Petition for Reduction/Waiver based upon the following criteria: (a) sufficient qualified MBEs and WBEs capable of providing the goods or services required by the contract are unavailable despite the good faith efforts of the contractor; (b) the specifications and the reasonable and necessary requirements for performing the contract make it impossible or economically infeasible to divide the contract into sufficiently small tasks or quantities to enable the contractor to utilize MBEs and WBEs in accordance with the applicable goals; (c) the price(s) required by any potential MBE or WBE is more than 10% above competitive levels; and (d) any other factor determined to be relevant by the Contract Compliance Director.

B. Denying a Reduction/Waiver Request.

1. If the Contract Compliance Director determines that a Bid or Quotation has not demonstrated adequate Good Faith Efforts to meet the applicable contract MBE and WBE goals, the Contract Compliance Director may deny a Petition for Reduction/Waiver and declare the Bid or Quotation non-responsive and recommend rejection of the Bid or Quotation.
2. Failure to undertake and/or to document adequate Good Faith Efforts shall be cause to deny a Petition for Reduction/Waiver. Determination of the adequacy of a Bid's or Quotation's Good Faith Effort will be evaluated on the basis of the Bid's or Quotation's actions as of the date of the Bid or Quotation opening.

MINORITY AND WOMEN BUSINESS ENTERPRISES
COOK COUNTY ORDINANCE CHAPTER 34, DIVISION 8, SECTION 34-260 to SECTION 34-300

IV. CHANGES IN CONTRACTOR'S UTILIZATION PLAN

- A. Contractor, during its performance of the Contract, may not change the MBE or WBE commitments specified in its Utilization Plan, including but not limited to, terminating a MBE or WBE contract, reducing the scope of the work to be performed by a MBE/WBE, or decreasing the price to a MBE/WBE, except as otherwise provided by the Ordinance.
- B. Where an enterprise under the Contract was previously considered to be a MBE or WBE but is later found not to be, or work is found not to be creditable toward the MBE or WBE goals as stated in the Utilization Plan, the Contractor shall seek to discharge the disqualified enterprise, upon proper written notification to the Contract Compliance Administrator, and make every effort to identify and engage a qualified MBE or WBE as its replacement. Failure to obtain a MBE or WBE replacement within 30 working days of the Contract Compliance Administrator's written approval of the removal of a MBE or WBE may result in the termination of the contract or the imposition of such remedy authorized by the Ordinance, unless a written Petition for Reduction/Waiver is granted to Contractor allowing Contractor to award the work to a non-MBE or WBE.

V. NON-COMPLIANCE

If the County determines that the Contractor has failed to comply with its contractual commitments or any portion of the Ordinance or this provision, the Contract Compliance Administrator will notify the Contractor of such noncompliance and may take any and all appropriate actions as set forth within the Ordinance.

VI. REPORTING/RECORD-KEEPING REQUIREMENTS

The Contractor is required to comply with the reporting and record-keeping requirements as set forth in the Ordinance and as established by the Contract Compliance Administrator. Upon award of a Contract, Contractor is responsible for acquiring all necessary County reporting and record-keeping forms which will be made available in the Office of Contract Compliance.

VII. EQUAL EMPLOYMENT OPPORTUNITY

Compliance with MBE and WBE requirements will not diminish or supplant Equal Employment Opportunity and Civil Rights provisions as required by law as they relate to contractor and subcontractor obligations.

Any questions regarding this section should be directed to:

Office of Contract Compliance
 118 North Clark Street, Room 1020
 Chicago, Illinois 60602
 (312) 603-5502

Assist Agencies**ILLINOIS DEPARTMENT OF TRANSPORTATION**

Bureau of Local Roads and Streets
 201 West Center Court
 Schaumburg, IL 60196
 847-705-4795
 847-705-4203 (Fax)

Perry Nakachi
 President
 Association of Asian Construction Enterprises
 333 North Ogden Avenue
 Chicago, IL 60607
 312-563-0746
 Fax: 312-666-1785

Carnice Carey
 Executive Director
 Cosmopolitan Chamber of Commerce
 1455 South Michigan Avenue
 Chicago, IL 60605
 312-499-0611

Mr. Miguel Nogueras
 Executive Director
 Puerto Rican Chamber of Commerce
 2450 West Division
 Chicago, IL 60622
 773-904-7996
 773-583-3118 (FAX)

ILLINOIS ROAD BUILDERS

500 Park Boulevard
 Itasca, IL 60143
 630-773-1220
 630-773-1231 (FAX)

TARGET GROUP, INC.

330 South Wells Street
 Suite 400
 Chicago, IL 60606
 312-873-0200
 312-873-0299 (FAX)

Ms. Sheila Hill Morgan
 Executive Director
 CHICAGO MINORITY SUPPLIER DEVELOPMENT COUNCIL (C.M.S.D.C.)
 105 West Adams
 Chicago, IL 60603
 312-755-8880
 312-755-8890 (FAX)

Victor Davis
 Contractor Development Program
 CHICAGO URBAN LEAGUE

4510 South Michigan Avenue
 Chicago, IL 60653
 773-451-3559
 773-285-7772 (FAX)

Ms. Beth Doria
 FEDERATION of WOMEN CONTRACTORS
 5650 South Archer Avenue
 Chicago, IL 60638
 312-360-1122
 312-360

Ms. Pricilla Torrence
 Director
 INDUSTRIAL COUNCIL of NEARWEST
 2023 West Carroll Avenue
 Chicago, IL 60612
 312-421-3941
 312-421-1871 (FAX)

D. Lorenzo Padron
 Director of Procurement
 LATIN AMERICAN CHAMBER of COMMERCE
 3512 West Fullerton Avenue
 Chicago, IL 60647
 773-25-5211
 773-252-7065 (FAX)

Mr. Frank Aguilar
 President
 LITTLE VILLAGE 26th STREET AREA CHAMBER OF COMMERCE
 3610 West 26th Street
 Chicago, IL 60623
 773-521-5387
 312-521-5387 (FAX)

Thomas Applegate
 Executive Director
 NORTH RIVER COMMISSION/LADCOR
 3403 West Lawrence – Suite 201
 Chicago, IL 60625
 773-478-0202
 773-478-0282 (FAX)

Ms. Angela R. Johnson
 National Director of International Trade Bureau
 RAINBOW P.U.S.H.
 930 East 50th Street
 Chicago, IL 60615
 773-373-3366
 312-373-3571 (FAX)

Ms. Patricia Showers
 Executive Director
 UPTOWN CENTER/HULL HOUSE
 4520 North Beacon
 Chicago, IL 60640
 773-561-3500

312-561-3507 (FAX)

Ms. Hedy Ratner
WOMEN'S BUSINESS DEVELOPMENT CENTER
8 South Michigan
Suite 400
Chicago, IL 60604
312-853-3477
312-853-0145 (FAX)

American Council of Engineering Companies of Illinois (ACEC Illinois)
5221 South 6th Street Road
Suite 120
Springfield, IL 62703
217-529-7430

Cook County Departments

Cook County Office of the Chief Procurement Officer
118 N. Clark Street – Room 1018
Chicago, Illinois 60602
312-603-6729

Cook County Department of Transportation and Highways
Contract Documents Administrator
69 W. Washington Street – Suite 2400
Chicago, Illinois 60602
312-603-1830

Cook County Office of Contract Compliance
118 North Clark Street
10th Floor
Chicago, Illinois 60602
312-603-5370

CONSTRUCTION CONTRACT INSURANCE REQUIREMENTS

1. **Commercial General Liability (CGL):** Insurance Services Office Form CG 00 01 covering CGL on an “occurrence” basis, including products and completed operations, property damage, bodily injury and personal & advertising injury with limits no less than \$5,000,000 per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (ISO CG 25 03 or 25 04) or the general aggregate limit shall be twice the required occurrence limit.
2. **Automobile Liability:** Insurance Services Office Form Number CA 0001 covering Code 1 (any auto), with limits no less than \$5,000,000 per accident for bodily injury and property damage.
3. **Workers’ Compensation insurance** as required by statutory limits, and Employers’ Liability insurance with a limit of no less than \$1,000,000 per accident for bodily injury or disease.
4. **Builder’s Risk (Course of Construction)** insurance utilizing an “All Risk” (Special Perils) coverage form, with limits equal to the completed value of the project and no coinsurance penalty provisions.
5. **Professional Liability (if Design/Build)**, with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate
6. **Excess/Umbrella Liability** Such policy shall be excess over Commercial General Liability, Automobile Liability, and Employer’s Liability with limits not less than the following amounts: Each Occurrence: \$5,000,000
7. **Contractors’ Pollution Legal Liability and/or Asbestos Legal Liability** and/or Errors and Omissions (if project involves environmental hazards) with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate
8. **Railroad Liability Railroad Protective Liability Insurance** Contractors who perform work within 50-feet of any railroad-owned property are required to have Railroad Protective Liability.

Additional Requirements:

(a) Additional Insured

The required insurance policies, with the exception of Workers Compensation and Errors & Omissions, shall name Cook County, its officials, employees, and agents as additional insureds with respect to operations performed on a primary and non-contributory basis. Any insurance or self-insurance maintained by Cook County shall be excess of the Consultant’s insurance and shall not contribute with it. The full policy limits and scope of protection shall apply to Cook County as an additional insured even if they exceed the minimum insurance requirements specified herein.

All insurance companies providing coverage shall be licensed or approved by the Department of Insurance, State of Illinois, and shall have a financial rating no lower than (A-) VII as listed in A.M. Best's Key Rating Guide, current edition, or interim report. Companies with ratings lower than (A-) VII will be acceptable only upon consent of the Cook County Department of Risk Management. The insurance limits

required herein may be satisfied by a combination of primary, umbrella and/or excess liability insurance policies.

(b) Insurance Notices

The Consultant shall provide the Office of the Chief Procurement Officer with thirty (30) days advance written notice in the event any required insurance will be cancelled, materially reduced or non-renewed. The Consultant shall secure replacement coverage to comply with the stated insurance requirements and provide new certificates of insurance to the Office of the Chief Procurement Officer.

Prior to the date on which the Consultant commences performance of its part of the work, the Consultant shall furnish to the Office of the Chief Procurement Officer certificates of insurance maintained by Consultant. The receipt of any certificate of insurance does not constitute Contract by the County that the insurance requirements have been fully met or that the insurance policies indicated on the certificate of insurance are following insurance required above.

In no event shall any failure of the County to receive certificates of insurance required hereof or to demand receipt of such Certificates of Insurance be construed as a waiver of the Consultant's obligations to obtain insurance pursuant to these insurance requirements.

(c) Waiver of Subrogation Endorsements

All insurance policies must contain a Waiver of Subrogation Endorsement in favor of Cook County.

**SPECIAL PROVISION
FOR
RAILROAD PROTECTIVE LIABILITY INSURANCE**

The contractor will be required to carry Railroad Protective Liability and Property Damage Liability Insurance in accordance with Article 107.11 of the Standard Specifications. The limits under this Special Provision are to be not less than \$5,000,000.00 combined single limit per occurrence for bodily injury liability and property damage liability with an aggregate limit of \$10,000,000.00 over the life of the policy.

NAMED INSURED

**NUMBER AND SPEED
OF FREIGHT AND/OR PASSENGER TRAINS**

Wisconsin Central Limited

17 freight trains/day @ 45 mph

0 passenger trains/day

Basis of Payment - The costs for providing insurance, as noted above, will be paid for as the contract unit price per lump sum for RAILROAD PROTECTIVE LIABILITY INSURANCE.

Approval of Insurance – Within fourteen (14) calendar days of notice of award, The **ORIGINAL AND ONE CERTIFIED** copy of each required policy shall be submitted for approval, when applicable.

The Contractor will be advised when the Department has received approval of the insurance from the railroad(s). Before any work begins on railroad right-of-way, the Contractor shall submit to the Resident Engineer evidence that the required Railroad Protective Liability Insurance has been approved by the railroads. The Contractor shall also provide the Resident Engineer with the expiration date of each required policy.

SPECIAL PROVISION FOR INDEMNIFICATION FOR COOK COUNTY

The Contractor shall indemnify the County of Cook and its commissioners, officials, employees, agents and representatives, and their respective heirs, successors and assigns (the "County") pursuant to the language provided under Section 107.26 of the Standard Specifications for Road and Bridge Construction.

107.26 Indemnification. To the fullest extent permitted by law, the Contractor shall be responsible for any and all injuries to persons or damages to property due to the activities of the Contractor, subcontractors, licensees, invitees, suppliers, agents, or employees arising out of, incident to, or resulting from performance of the contract, or any activity in connection therewith. The Contractor shall indemnify and hold harmless the County of Cook and its commissioners, officials, employees, agents and representatives, and their respective heirs, successors and assigns, from any and all claims, lawsuits, actions, costs, and fees (including reasonable attorney fees and expenses) of every nature or description, arising from, growing out of, or connected with the work, or on account of or in consequence of any neglect in safeguarding the work or on account of or in consequence of using unacceptable materials in constructing the work or because of any act or omission, neglect, or misconduct of the Contractor, its officers, employees, agents, its subcontractor, or subcontractors licensees, invitees, or anyone directly or indirectly employed by them, and/or anyone for whose acts they may be liable or because of any claims or amount recovered by reason of any infringement of any patent, trademark, or copyright or by reason of the violation of any law, ordinance, order or decree. This obligation is binding on the Contractor without regard to whether or not such claim, damage, loss, or expense is caused in part by the act, omission, or negligence of the County and its commissioners, officials, employees, agents and representatives, and their respective heirs, successors and assigns.

In claims against the County by an employee of the Contractor, its officers, employees, agents, its subcontractor, or subcontractors licensees, invitees, or anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification herein shall not be limited by a limitation on amount or type of damages payable by or for the Contractor or subcontractor under any employee benefits act including but not limited to the Worker's Compensation Act.

In the event any such claim, lawsuit, or action is asserted, any such money due the Contractor under and by virtue of the contract as shall be deemed necessary by the County for the payment thereof, may be retained by the County for said purpose, or in case no money or insufficient money is due to satisfy such claim, lawsuit, or action, the Contractor's Surety shall remain liable for any payment therefore until any such lawsuit, action, or claim has been settled or has been fully judicially determined and satisfied.

No inspection by the County, its employees or agents shall be deemed a waiver by the County of full compliance with the requirements of the contract. This indemnification shall not be limited by any Performance Bond or insurance protection required of the Contractor in the contract.

**SPECIAL PROVISION
FOR
INDEMNIFICATION FOR LOCALS**

Indemnification under Article 107.26 of the Standard Specifications for Road and Bridge Construction is hereby extended to provide same for the following entities, their officers, employees and agents in the same manner as is applicable to Cook County.

Illinois Department of Transportation

Village of Northbrook

Village of Glenview

Northfield Township

Village of Elk Grove Village

Elk Grove Township

Village of Hoffman Estates

Hanover Township

Village of Northfield

**SPECIAL PROVISION
FOR
COMBINATION BIDDING PROCESS**

All references to Sections or Articles in this specification shall be construed to mean a specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Cook County Department of Transportation and Highways.

Combination Bids. The projects listed below with their individual WORKING DAYS and CALENDAR DAYS shall be let in combination:

PROJECT	SECTION	WORKING DAYS	CALENDAR DAYS

A Combination Bid is a total bid received on 2 or more proposals. No Combination Bids other than those specifically set up by the Department will be considered. Separate proposal forms will be issued for each project in the combination so bids may be submitted on the combination as well as on separate units of the combination. The department reserves the right to make the awards on combination bids or separate bids to the best advantage of the Department.

If a Combination Bid is submitted on 2 or more proposals, separate proposals on each individual contract shall also be submitted, and unless separate proposals are submitted, the Combination Bid will not be considered. If the bidder desires to submit a Combination bid, the bidder shall state, in the place provided in the proposal form, the amount of the Combination Bid for the entire combination.

If a Combination Bid is submitted on any stipulated combination, and errors are found to exist in computing the gross sum bid on any one or more of the individual proposals, corrections shall be made, by the Department and the amount of the Combination Bid shall be corrected so that it will be in the same proportion to the sum of the corrected gross sum bid as the Combination Bid submitted was to the sum of the gross bid submitted.

The following provisions shall govern combination bidding:

- 1) A Combination Bid which is submitted for 2 or more proposals and awarded on that basis shall have the bid prorated against each proposal in proportion to the bid submitted for each proposal.
- 2) Separate contracts shall be executed for each proposal included in the combination.
- 3) The proposal guaranties which accompany the individual proposals making up the combination will be considered as also covering the Combination Bid.
- 4) The completion date for all contracts awarded on a Combination Bid shall be the latest completion date designated for any one or more of the contracts included in the combination, unless otherwise provided in the contract.

- 5) Contracts awarded in combination for the projects above shall have the WORKING DAYS revised to _____WORKING DAYS, and the CALENDAR DAYS revised to _____CALENDAR DAYS. The "Daily deduction" rate in the Traffic Control Deficiency Deduction Special Provision shall be based on the REVISED CALENDAR DAYS stated above.
- 6) The Contractor, at his option, may start one project or all projects. WORKING DAYS then shall start as specified in Article 108.04 of the Standard Specifications for Road and Bridge Construction and shall continue from that day forward until all projects are completed.
- 7) An extension of time for any one or more contracts awarded on a Combination Bid shall automatically extend all contracts awarded on the combination.
- 8) In the event the Contractor fails to complete any one or all the contracts on the Combination Bid by the contract completion date plus any authorized extension, or the contract working days plus any authorized extension, the liquidated damages shall be determined from the schedule of deductions for each day of the overrun in the contract time in Article 108.09 in the Standard Specifications for Road and Bridge Construction, based on the Combination Bid total, and shall be computed on the combination and prorated against the 2 or more individual contracts based on the dollar value of each contract.
- 9) The Plans and Special Provisions for each separate contract shall be construed separately for all requirements, except as described in section 1 through 8 listed above.

**SPECIAL PROVISION
FOR
PROMPT PAY MECHANISMS (NON FEDERAL AID)**

This contract is subject to the following payment obligations:

“As partial payments are made to the contractor in accordance with Article 109.07 of the Standard Specifications for Road and Bridge Construction, the contractor shall make corresponding partial payment within fifteen (15) calendar days to each subcontractor in proportion to the work satisfactorily completed by each subcontractor. The proportionate amount of partial payment due to each subcontractor shall be determined by the quantities measured or otherwise determined as eligible for payment by the Cook County Department of Transportation and Highways included in the partial payment to the contractor. Subcontractors shall be paid in full, including the return of any retainage previously withheld, within fifteen (15) calendar days after the subcontractor’s work has been satisfactorily completed.”

This Special Provision does not create any rights in favor of any subcontractor against the County of Cook or authorize any cause of action against the County of Cook on account of any payment, nonpayment, delayed payment or interest claimed by application of this Prompt Payment Special Provision. The Cook County Department of Transportation and Highways will neither determine the reasonableness of any cause for delay of payment nor enforce any claim to payment, including interest. Moreover, the Cook County Department of Transportation and Highways will not approve any delay or postponement of the fifteen (15) day requirement. State law creates remedies available to any subcontractor or material supplier, regardless of tier, who has not been paid for work properly, performed or material furnished. These remedies are lien against public funds set forth in Section 23© of the Mechanics Lien Act, 770 ILCS 60/23©, and a recovery on the contractors payment bond in accordance with the Public Construction Bond Act, 30 ILCS 550.

COUNTY OF COOK

CHICAGO, ILLINOIS

PROPOSAL

For a County Highway Improvement in the County of Cook, State of Illinois

Known as 2022 Pavement Rehabilitation Program – North Corridors Package 3

Township: Various Route: Various Section: 22-PRPN1-00-PV

Cook County Purchasing Contract No.: 2411-10160

LOCATION OF IMPROVEMENT

The proposed improvement is part of the public highway system in the County of Cook, State of Illinois, located by section and route before mentioned, and is indicated on the map showing the County Highway System on file in the office of the County Clerk and also in the office of the Illinois Department of Transportation, Division of Highways, Springfield, Illinois.

S01 - Landwehr Road (CH W80) - Hampton Court to Dundee Road

S02 - Walters Avenue (CH A72) - Landwehr Road to Pfingsten Road

S03 - Landmeier Road (CH A68) - Arlington Heights Road to west Of Busse Road

S05 - Landmeier Road (CH A68) - Cambridge Drive to Higgins Road

S20 - Shoe Factory Road (CH A62) - Beverly Road to Bartlett Road

S21 - Sunset Ridge Road (CH W34) - Lake Avenue to Skokie Boulevard

DESCRIPTION OF IMPROVEMENT

Landwehr Road from Hampton Court to Dundee Road - Mill and resurface HMA pavement, pavement markings, sidewalk ramp improvement, modernization of

traffic signals at Techny Road, Walters Avenue, and Cherry Lane, and detector loop replacement at Willow Road and Dundee Road. Intersection with Willow Road will be omitted from the resurfacing improvements.

Walters Avenue from Landwehr Road to Pfingsten Road - Mill and resurface HMA pavement, pavement markings, sidewalk ramp improvements and detector loop replacement at Pfingsten Road.

Landmeier Road from Arlington Heights Road to 800' west of Busse Road - Diamond grind PCC pavement, pavement markings, sidewalk ramp improvements, and modernization of traffic signals at Arlington Heights Road and Lively Boulevard. Corrugated median along Landmeier Road will be removed and pavement restriped to provide a five-lane cross section. Intersection with Tonne Road will be omitted from the diamond grinding improvements.

Landmeier Road from Cambridge Drive to Higgins Road - Mill and overlay PCC pavement, pavement markings, sidewalk ramp improvements, and detector loop replacement at Higgins Road. Corrugated median along Landmeier Road will be removed and replaced with painted median.

Shoe Factory Road from Beverly Road to Bartlett Road - Mill and resurface HMA pavement, pavement markings, and sidewalk ramp improvements. Intersection with Illinois Route 59 will be omitted from the resurfacing improvements.

Sunset Ridge Road from Lake Avenue to Skokie boulevard - Mill and resurface HMA pavement, pavement markings, sidewalk ramp improvements, and modernization of traffic signal at Lake Avenue. Intersection with Willow Road will be omitted from the resurfacing improvements.



NOTICE TO BIDDERS, SPECIFICATIONS, CONTRACT AND CONTRACT BOND

FOR
HIGHWAY IMPROVEMENT
County of Cook, Illinois

Toni Preckwinkle
Cook County Board President

Jennifer (Sis) Killen, P.E., PTOE
Superintendent
Cook County Department of
Transportation and Highways

Raffi Sarrafian
Chief Procurement Officer

Letting: December 11, 2024

No Later Than 10 a.m.

2022 Pavement Rehabilitation Program –
North Corridors Package 3
Section Number 22-PRPN1-00-PV
Route No W80, A72, A68, A62, and W34

COOK COUNTY PROCUREMENT CONTRACT NO.: 2411-10160

BOOK II

NOTICE TO PROSPECTIVE BIDDERS

To obtain specifications and submit 1 original proposal go to:

<https://cookcountyil.bonfirehub.com/portal/?tab=openOpportunities>.
Follow online instructions to register, if you have not already).

**Pre-Bid Meeting: Tuesday, November 19, 2024
11 a.m.**

TEAMS MEETING:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjA0N2Y2ZDQtYmFiYi00MjFiLTgzYWMTYTA3YjViMzMmYjY1%40thread.v2/0?context=%7b%22id%22%3a%228b4d55ae-6db4-4e05-a85c-59d6a256cd6e%22%2c%22oid%22%3a%2266175ef7-f10a-4c3b-b755-1d44ba95bd32%22%7d

All questions are due on **Friday, November 22, 2024** no later than 3:00pm Chicago time

Send all questions via e-mails to: Kimberlei.Aaron@cookcountyil.gov

Bid Submitted by:

☐

COPY Bid Bond attached

☐

COPY Cashier's Check or a Certified Check attached

Name _____ Phone No. _____

Email Address: _____

Address _____

City _____ State _____ Zip Code _____

Project: 2022 Pavement Rehabilitation Program – North Corridors Package 3
Limits: Various Locations
Section: 22-PRPN1-00-PV

Book II - Table of Contents/SP Checklist

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2		Special Provision Checklist and Table of Contents	(CC) Oct 24, 2023
6	24	Jointed Concrete Pavement Dowel Bar Placement Testing and Remediation	(CC) Sep 21, 2023
11	26	Contract Extra Work	(CC) Apr 26, 2019
13	29A.	Construction Layout (Special) for Rehabilitation Projects with ADA and Stand Alone ADA	(ILD1-CC) May 15, 2018
15	31	Engineer's Field Office	(CC) Mar 1, 2023
18	34	Clean Construction or Demolition Debris (Risk Managed)	(CC) Jan 20, 2022
19	41	Hamburg Wheel and Tensile Strength Ratio Testing	(ILD1) Dec 1, 2021
21	46	Managing Concrete Waste	(CC) Jan 1, 2009
25	48	Portland Cement Concrete (PCC) Pavement Removal (Milling)	(CC) Sep 3, 2020
27	49	Epoxy Coating of Reinforcement Bars	(CC) Mar 18, 2022
28	55	Crack Routing and Sealing	(IL-CC) Mar 28, 2022
29	58	Pavement Thickness Deficiency	(CC) Mar 1, 2008
30	59	Survey Monuments	(CC) Jan 15, 2013
31	61	Stockpiled Embankment	(CC) Apr 26, 2019
32	63	Aggregate for Temporary Access	(CC) Apr 26, 2019
33	70	Railroad Flaggers	(CC) Mar 20, 2019
34	176	Frames and Lids to be Adjusted (Special)	(CC) Feb 14, 2019
35	185	Locations of and Conflicts with Utilities	(CC) May 21, 2018
36	185a	Status of Utilities to be Adjusted	(CC) May 21, 2018
42	186	Water Valve Boxes to be Adjusted and Domestic Meter Vaults to be Adjusted	(CC) Dec 21, 2009
43	202	Storm Water Pollution Prevention Plan (IDOT BDE Form 2342)	(IL BDE)* Current
52	202A	Contractor Certification Statement (IDOT BDE Form 2342A)	(IL BDE)* Current
53	231	Traffic Protection	(CC) Aug 22, 2019
60	239	Recessed Reflective Pavement Marker (HMA)	(CC) Feb 8, 2021
62	241	Traffic Signal Work General	(ILD1-CC) May 1, 2021
74	243	Pedestrian Signal Post	(ILD1-CC) May 1, 2021
76	244	Light Emitting Diode (LED) Traffic Signal and Pedestrian Signal	(ILD1-CC) Apr 26, 2019
80	245	Light Emitting Diode (LED) Pedestrian Signal Head with Countdown Timer	(ILD1-CC) Apr 26, 2019
83	246	Traffic Signal Backplate	(ILD1-CC) Jul 1, 2016
84	248	Traffic Signal Post	(ILD1-CC) May 1, 2021
86	249	Steel Mast Arm Assembly and Pole and/or Steel Combination Mast Arm Assembly and Pole	(ILD1-CC) Apr 26, 2019
88	250	Traffic Actuated Controller, Traffic Actuated Controller with Cabinet, Inductive Loop Detector	(ILD1-CC) May 1, 2021
91	251	Master Controller	(ILD1-CC) May 1, 2021
93	252	Detector Loop	(ILD1-CC) Jul 1, 2016
96	255	Conduit	(IL-CC) Jul 1, 2016

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98	260	Fiber Optic Cable	(ILD1-CC) Apr 26, 2019
99	261	Grounding of Traffic Signal Systems and Grounding Cable	(ILD1-CC) Apr 26, 2019
101	262	Grounding Existing Handhole Frame and Cover	(ILD1) Jul 1, 2016
102	264	Service Installation, Ground Mounted	(ILD1-CC) May 1, 2021
105	266	Handhole	(ILD1-CC) May 1, 2021
106	267	Rebuild Existing Handhole, Rebuild Existing Heavy Duty Handhole, Rebuild Existing Double Handhole	(CC) Jul 1, 2016
107	268	Concrete Foundation	(ILD1-CC) May 1, 2021
108	270	Remove Existing Traffic Signal Equipment	(ILD1-CC) Apr 26, 2019
109	271	Temporary Traffic Signal Installation	(ILD1-CC) Apr 26, 2019
116	272	Maintenance of Existing Traffic Signal Installation	(ILD1-CC) Jan 1, 2018
120	274	Relocate Existing Emergency Vehicle Priority System, Detector Unit	(ILD1-CC) Jul 1, 2016
121	275	Relocate Existing Emergency Vehicle Priority System, Phasing Unit	(ILD1-CC) Jul 1, 2016
122	277	Re-Optimize Traffic Signal System	(ILD1-CC) May 1, 2021
125	282	Maintenance Of Lighting System	(ILD1-CC) Apr 26, 2019
129	284	Uninterruptable Power Supply and Cabinet	(ILD1-CC) Apr 26, 2019
132	286	Temporary Traffic Signal Timing	(ILD1-CC) Apr 26, 2019
133	288	LED Internally Illuminated Street Name Sign	(ILD1-CC) Apr 26, 2019
137	290	Video Vehicle Detection System, Single Approach	(CC) Apr 26, 2019
140	297	Accessible Pedestrian Signals	(ILD1-CC) Apr 26, 2019
142	298	Emergency Vehicle Priority System Line Sensor Cable, No. 20 3/C	(ILD1-CC) Jul 1, 2016
143	325	Detectable Warnings (Special)	(ILD1-CC) Apr 13, 2021
144	400	IDOT Recurring Special Provision Checklist	(IL Recur) Current
		Recurring Special Provisions are included by reference as noted on the checklist and are not included in the proposal.	
145	500	IDOT Local Roads and Streets Recurring Special Provisions Checklist	(IL LR) Current
146	501	Work Zone Traffic Control Surveillance	(IL LR) Jan 1, 2018
147	502	Flaggers in Work Zones	(IL LR) Jan 1, 2007
148	503	Local Quality Assurance / Quality Management QC/QA	(IL LR) Jan 1, 2022
150	600	IDOT Bureau of Design and Environment Checklist	(IL BDE) Current
152	601	Cement, Type IL	(IL BDE) Aug 1, 2023
153	602	Compensable Delay Costs	(IL BDE) Apr 1, 2019
157	603	Construction Air Quality – Diesel Retrofit	(IL BDE) Nov 1, 2014
160	604	Grading and Shaping Ditches	(IL BDE) Jan 1, 2023
161	605	Hot-Mix Asphalt	(IL BDE) Jan 1, 2024
162	606	Hot-Mix Asphalt - Longitudinal Joint Sealant	(IL BDE) Aug 1, 2023
164	607	Performance Graded Asphalt Binder	(IL BDE) Jan 1, 2023
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182	612	Subcontractor and DBE Payment Reporting	(IL BDE) Apr 2, 2018
183	613	Subcontractor Mobilization Payments	(IL BDE) Apr 1, 2019
184	614	Surface Testing of Pavements – IRI	(IL BDE) Jan 1, 2023
190	615	Vehicle and Equipment Warning Lights	(IL BDE) Nov 1, 2022
191	616	Work Zone Traffic Control Devices	(IL BDE) Mar 2, 2020
193	700	IDOT Bureau of Local Roads and Streets District 1	(IL D1) Current
203	701	Maintenance of Roadways	(IL D1) Nov 1, 1996
204	702	Public Convenience and Safety	(IL D1) Jul 15, 2012
205	703	HMA Binder and Surface Course	(IL D1) Dec 1, 2021
211	704	Adjustments and Reconstructions	(IL D1) Oct 1, 2021
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214	706	Friction Aggregate	(IL D1) Dec 1, 2021
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218	802	Protection of Utilities	
219	803	Saw Cutting	
220	804	Storm Sewers and Drainage Structures	
222	805	Storm Sewers to be Cleaned, Drainage Structures to be Cleaned	
223	806	Conduit Splice	
224	807	Drainage and Utility Structures to be Adjusted	
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226	809	Exploration Trench, Special	
227	810	Modular Concrete Pavers (Special)	
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232	812	Rectangular Rapid Flashing Beacon System (Complete)	
236	813	Relocate Existing Luminaire	
237	814	Remove Existing Concrete Foundation	
238	815	Remove Existing Double Handhole	
239	816	Unit Duct, 600V, 7-1C No.4, 1/C No.8 Ground, (XLP-Type Use), 2" Dia. Polyethylene	
242	817	Diamond Grinding Concrete Pavement	
245	818	IDNR EcoCAT Consultation Letter - Shoe Factory Road	Jul 31, 2024

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Origin of Special Provisions

(CC)	Initiated by Cook County Department of Transportation and Highways
(IL) Current	Initiated by Illinois Department of Transportation
(ILD1) Curre	Initiated by Illinois Department of Transportation District 1
(IL-CC)	Initiated by the Illinois Department of Transportation and amended by Cook County Department of Transportation and Highways
(ILD1-CC)	Initiated by Illinois Department of Transportation District 1 and amended by Cook County Department of Transportation and Highways
(IL Recurring	Initiated by Illinois Department of Transportation Recurring Special Provisions
(IL LR Recur	Initiated by Illinois Department of Transportation Local Roads Recurring Special Provisions
(IL BDE)	Initiated by Illinois Department of Transportation Bureau of Design and Environment
(IL LR)	Initiated by Illinois Department of Transportation Bureau of Local Roads and Streets
(IL D-1)	Initiated by Illinois Department of Transportation District 1
(IL BDE)*	Form initiated by Illinois Department of Transportation Bureau of Design and Environment

**Cook County
Department of
Transportation and
Highways Special
Provision Catalog**

Number	Initiating Bureau/Division
24-40	Construction Bureau
41-114	Civil Division
115-155	Structural Division
156-210	Drainage Division
211-225	Landscaping Division
226-240	Transportation and Planning Bureau
241-309	Mechanical, Electrical, Landscaping and Architectural Division
325-340	Capital Projects Division

SPECIAL PROVISION FOR JOINTED CONCRETE PAVEMENT DOWEL BAR PLACEMENT TESTING AND REMEDIATION

Effective 09/21/23

Description. The Engineer reserves the right to test final dowel bar position in hardened concrete pavement and require remedial action as described in this specification. This specification shall apply to dowels placed with baskets, dowel bar inserter, or as part of a Class B patch construction. This special provision replaces testing and corrective action for dowel bar position in Article 420 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction.

Testing of Dowel Bar Placement:

1. **Materials Engineering Consultant (MEC):** Dowel bar testing will be accomplished by a consultant working for the county with specialized equipment to enable determining dowel bar position in hardened concrete.
2. **Test Frequency:** The Engineer may have the **MEC** test any and all dowels in the concrete pavement.
3. **Test Equipment:** A MIT SCAN2-BT or an equivalent device that conforms to ASTM E3013 – 17: Standard Test Method for Evaluating Concrete Pavement Dowel Bar Alignment Using Magnetic Pulse Induction will be used for dowel bar testing. The device shall be calibrated to the type and size dowel bar used in the work according to the manufacturer's instructions.
4. **Test Schedule:** The contractor shall coordinate with the Engineer to allow testing of completed pavement sections by the **MEC** before proceeding to subsequent sections. This will aid in the determination of construction procedures contributing to placement deficiencies. It will also allow the **MEC** testing team to be protected by existing traffic control while performing the dowel bar scanning. The contractor shall be responsible for any additional traffic control required so that testing can be completed safely. The Contractor shall facilitate dowel bar testing by providing access to transverse joints so that testing can be completed in a timely manner; by cleaning all transverse contraction joints following saw cutting and other construction activities; and clearing the pavement of any obstructions.
5. **Test Report:** The **MEC** will provide a test report of the dowel bar positions which shall be an MS-Excel spreadsheet with an embedded map showing dowel bar layout in horizontal and side views, as produced by the device software. The latest version of the device manufacturer's software will be used. The electronic report will include the following:
 - a. Contract number, date, and location details.
 - b. Joint number, lane number and station.
 - c. Bar number and x-location of dowel bar.
 - d. Horizontal skew and vertical tilt (misalignment) in inches.
 - e. Embedment (Sideshift) in inches.
 - f. Depth to center of dowel bar in inches.
 - g. Depth to the top end of the dowel bar in inches.
 - h. Joint Score.
 - i. All out-of-tolerance readings shall be highlighted in red.
 - j. Joint images generated by MagnoProof software.
 - k. Scan direction.
 - l. Any external sources of interference noted.

6. **Test Exclusions:** The following locations shall be excluded from dowel bar measurement.
- Transverse construction joints (headers).
 - Dowel bars within 24 in. (610 mm) of metallic manholes, inlets, metallic castings, or other nearby or underlying steel reinforced objects.
 - The outside dowel bar when tie bars are installed with mechanical equipment in fresh concrete. Installation of tie bars in preformed or drilled holes shall be completed after testing with the MIT Scan-2 device.
 - Any other contributors to magnetic interference determined appropriate to exclude by the Engineer.

Dowel bar Tolerance and required remedial action:

The following tolerances and remedial action will apply to final dowel bar position determined by testing.

- Embedment length:** Embedment length is defined as the length of dowel bar embedded on the short side of the sawed joint. The wheel paths are defined as the pavement lane width excluding the middle 2.5 ft. Each joint shall have more than 50 percent of dowel bars per wheelpath with a minimum embedment length of 4.5 inches. Any joint not meeting this tolerance shall be remediated as described under the **Joint Repair** section of this specification.
- Concrete cover:** Concrete cover over the top of the dowel shall exceed the minimums in Table 1. Concrete depth below the dowel shall not be less than 2.0 inches. Any joint not meeting this tolerance shall be remediated as described under the **Joint Repair** section of this specification.

Table 1 – Required Minimum Concrete Cover	
Pavement Thickness	Required Cover (inches)
7.0	2.1
7.5	2.3
8.0	2.3
8.5	2.5
9.0	2.7
9.5	2.7
10.0	2.7
10.5	2.9
11.0	3.1
11.5	3.3
12.0	3.5
12.5	3.5
13.0	3.5
13.5	3.6
14.0	3.9

- Locked joints:** Vertical tilt or horizontal skew shall be defined as the difference in position of the dowel bar ends with respect to each other. Vertical tilt is measured in the vertical axis; horizontal skew is measured in the horizontal axis. Excessive vertical tilt or horizontal skew causes locked joints.
- Single bar tolerance:** A single dowel bar with a vertical tilt or horizontal skew greater than 2.0 in. shall be cut. Any joint out of this tolerance shall be remediated as described under the **Joint Repair** section of this specification.

5. **Locked joint determination:** Locked joints for specification compliance shall be determined by a joint score. The joint score is defined as the degree of misalignment of the dowels in a single transverse joint for each lane of pavement. The joint score shall be determined as follows:

$$\text{Joint Score} = (1 + (x/(x - n)) \sum_{i=1}^{(x-n)} W_i)$$

where:

W_i = weighting factor (Table 2) for dowel i

x = number of dowels in a single joint

n = number of dowels excluded from joint score due to measurement interference

d = maximum dowel misalignment = The maximum of the vertical or horizontal degree of misalignment applicable to a single dowel bar

Table 2 - Dowel Bar Tilt or Skew	
Maximum Dowel Misalignment (d)	Weighting Factor
$d < 0.6$ in	0
$0.6 \text{ in} < d < 0.8$ in	2
$0.8 \text{ in} < d < 1$ in	4
$1 \text{ in} < d < 1.5$ in	5

6. **Locked joint Score:** A joint score greater than 14 will be considered locked. Three consecutive locked joints shall be corrected by selecting one joint and cutting one or several dowel bars. Preference shall be given to cutting a dowel bar within the middle 2.5 ft of the pavement lane to avoid wheelpaths. If none of the three locked joints will have a joint score less than or equal to 12 after selecting one or several dowel bars to cut, the joint shall be remediated as described under the **Joint Repair** section of this specification.
7. **Joint Repair:** Joint repair shall consist of either:
- Replacing the joint with a minimum 6 ft (1.8 m) pavement patch centered over the joint according to Section 442 for Class B patches, or
 - Corrected to the required tolerance with one or more dowel bar retrofits as described in the **Dowel Bar Retrofit** section of this specification.
8. **Joint Repair Plan:** Prior to performing joint repairs, the Contractor shall submit a joint repair plan which will produce a final doweled pavement meeting all required tolerances. The plan shall address deficiencies defined in this specification and corrective actions to comply with minimum requirements. The plan shall describe techniques, materials, and schedule prior to corrective actions being taken.

Dowel Bar Retrofit:

- Description.** This work shall consist of furnishing and installing epoxy coated, round steel dowels into concrete pavement across transverse joints for correction of non-compliant dowel bar alignment. This work shall include sawing slots into the pavement; cleaning, placing dowels, and filling the slots with concrete; then sawing and sealing the retrofitted joints, cleanup and other related work.
- Materials.**
 - Dowels. The dowel bars shall consist of a smooth, round, epoxy, and bond breaker coated 14-inch long, 1.5-inch diameter steel dowel meeting the requirements of Article 1006.06(b) of the SSRBC.
 - Bond Breaker. Acceptable bond-breaker compounds include white pigmented curing compound, concrete form oil, or other approved bond breaker materials.
 - Expansion Caps. Tight-fitting, commercial quality end caps made of a non-metallic, non-organic material that allows for ½ inch of movement at each end of the dowel bar.
 - Dowel Bar Support Chairs. Chair devices for supporting the dowel bars shall conform to the epoxy-coated steel requirements of ASTM A 884 or plastic chair devices that conform to Article 508.06 of the

SSRBC. Dowel bar chairs are used to firmly hold the dowels centered in the slots during backfill operations. The dowel bar chairs must hold the bar a minimum of ½ inch above the bottom of the slot while the backfill material is placed and consolidated.

- e. Caulking Filler. Caulking filler used for sealing the existing transverse crack at the bottom and sides of the slot shall be concrete sealant that is compatible with the patch material being used.
- f. Concrete Backfill Material. The concrete backfill material shall be chosen from the [IDOT PACKAGED, DRY, RAPID HARDENING CEMENTITIOUS MATERIALS FOR CONCRETE REPAIRS](#) qualified product list, or the current Illinois [Tollway Approved List of Fast Set Concrete](#). Coarse aggregate shall have a maximum nominal particle size of 3/8" or less.
- g. Curing Compound. Type I, II, or III curing compounds shall conform to Article 1022.01 of the SSRBC. Cure shall be applied at a rate that provides 100% coverage of the concrete backfill material.
- h. Joint / Crack Sealer. Hot poured joint/crack sealer used at retrofitted joints shall be in accordance with Article 1050.02 of the SSRBC. Any proposed sealant product shall be approved in writing by the Engineer prior to the delivery to the work site. The backer rod, if needed, shall consist of a material capable of withstanding the application temperatures of hot poured sealant to 400° F. The backer rod shall be extruded from a cross-linked, closed cell polyolefin and shall be available in a variety of diameters to readily fill the gap of any particular application.

3. Equipment:

- a. A template shall be used to locate the sawcuts on any non-skewed crack or joint to align the sawcuts consistently. Either single diamond bladed saws or diamond bladed gang saws shall be used to make the saw cuts within the specified tolerances for dowel bar placements
- b. Chipping hammers shall be hand held with a maximum weight of 30 lbs. (prior to any handle modification) to minimize damage to the concrete pavement that remains.
- c. The compressor for air blasting shall have a minimum capacity of 120 cu. ft. per minute. The compressed air shall be free from oil and other contaminants.
- d. Hand held internal vibrators used to consolidate the concrete repair material shall have a diameter of 1 inch and a resilient covering that will not damage the epoxy-coated dowels.
- e. Equipment for mixing and pumping any backfill materials for retrofitting the dowel bars shall be in accordance with the material manufacturer's instructions and specifications.
- f. Routing or sawing equipment for crack sealant, where required, shall be power driven and be capable of cutting the cracks to the required dimensions without spalling of the adjacent surface.
- g. Equipment for heating and placing hot poured sealant material shall be an oil jacketed, double boiler type, heating kettle or other thermostatically controlled equipment of a type approved by the Engineer, capable of heating the material to 400° F (205° C) and pumping the material into the prepared crack or joint.

4. Construction Methods

- a. **Detailed Dowel Bar Retrofit Plan:** Before proceeding with the work, the contractor shall submit a plan for slot cutting, dowel bar installation and concrete replacement. The plan shall include a description of the construction procedures and methods to achieve minimum damage to existing pavement. The plan must include a schedule and be approved by the Engineer.
- b. Concrete Removal. Create slots to a depth and length that allow the center of the dowel to be placed at mid-depth in the pavement slab and parallel to the pavement surface. Slots can be created with a gang saw, or by making two saw cuts and removing the concrete between the sawcuts with a 30-lb maximum jackhammer or hand tools. Slots are to be parallel to each other, and to the centerline of the roadway, with a maximum tolerance of ¼ inches per 12 inches of dowel bar length. The dowel bar shall be placed parallel to the centerline of the roadway. For non-skewed cracks and joints, the saw cut locations shall be pre-marked using a template. Skewed cracks may require slots longer than the length specified in the plans to allow for equal length of the dowel bar to be placed across the transverse joint (?) or crack. Remove water and residue immediately after sawing.

- c. If the concrete removal operations cause damage to the pavement that is to remain, operations shall stop until corrective measures are taken. Pavement damaged during concrete removal operations shall be repaired or replaced at no additional cost to the County. The bottom of the slot must be flat and level. Dispose of any concrete removal debris according to Article 202.03 of the SSRBC
- d. Slot Cleaning and Preparation. Sandblast all exposed surfaces in the dowel bar slot to remove saw slurry and debris such that clean aggregate is exposed. After sandblasting, clean the slot with moisture-free, oil-free compressed air having a minimum capacity of 120 cu. ft. per minute to remove any dust, residue, or debris.
- e. Sealing Joints and Cracks in Slot before Backfilling. Seal the existing transverse contraction joint or crack at the bottom and the sides of the dowel bar slot with an approved caulk or silicone filler to prevent backfill material from entering these areas. The caulk filler should not be placed any farther than ½ inch outside either side of the slot. Excessive sealant inside the slot should also be avoided to prevent the concrete patching material from bonding to interior surfaces of slot. Prior to slot sealing, ensure that surfaces receiving the caulking filler are clean and free of moisture. Do not extend the caulking filler beyond 3/8 inches of each side of the existing joint or crack.
- f. Placing Dowel Assembly in Slot. Prevent contamination of the cleaned slot before, or while placing, dowel assemblies. Place the dowel bars to within 0.5 inch of the midpoint of the slab. Ensure that the bar is parallel to the traffic lane centerline and the top of the roadway surface within a tolerance of ¼ inch per 12 inches of dowel bar length. Center dowels at the transverse joints such that at least 6 inches of the dowel extends into each adjacent panel. For dowel bars at any cracks, the dowel shall be centered over the crack in each slot. Cease and adjust operations if the chairs do not hold dowel bars securely in place during placement of the backfill material.
- g. Foam insert: Place a foam core insert extending from the dowel bar to the surface of the pavement. Place the insert so it fills the existing transverse joint or crack and can remain in a vertical position, tight to all edges during backfill placement operations. Re-establish the joint or crack above the foam core insert within 4 hours of backfill placement by sawing after the backfill material has hardened sufficiently.
- h. Mixing and Placing Backfill Material. Mix backfill material in accordance with the manufacturer's instructions. Refer to manufacturer's information on handling, mixing, and placing backfill material. Backfill material shall be mixed mechanically using a power-driven mechanical mixer or a drill mounted mixer.
- i. Backfill: Fill each dowel bar slot with backfill material after placement of the caulking filler, the coated dowel bar, expansion caps, support chairs, and the foam core insert. Ensure that the foam core inserts remain upright, extends to the surface of existing pavement, and is over the existing joint or crack during the backfill process. Consolidate the backfill material thoroughly into the slot around the dowel bars and support chairs.
- a. Slightly overfill the slot and finish the surface to no more than ¼" above the existing pavement surface. Slots which are not filled to at least the existing pavement surface shall be redone at no additional cost. Cure the backfill material in accordance with the manufacturer's recommendations.
- j. Sawing Cracks after Backfilling. If the foam insert is not present on the finished surface of the patch, the slots shall be saw cut to prolongate the existing crack over the bar. The saw cuts shall be a nominal 1.5-inch depth and cut within 24 hours of placement. Saw cutting will be at no additional cost.
- k. Opening to Traffic. No traffic will be permitted on repaired pavement until after strength specimens cast from the last batch of backfill material have obtained a minimum compressive strength of 2,500 psi. An average of three 4x8 inch cylinders or two 6X12 cylinder shall be utilized for acceptance of the compressive strength. Compressive strength cylinders shall be prepared and cured as per Article 1020.09, stored on-site for a minimum of two hours prior to transporting, and tested as per AASHTO T-22. Testing may be witnessed by the Engineer or a designated representative.

Basis Of Payment:

All work necessary to address deficiencies and to coordinate testing shall be included in the contract unit price for concrete pavement and patching items and shall be at no additional cost to the County.

SPECIAL PROVISION FOR CONTRACT EXTRA WORK

Effective: 12/24/12

Revised: 04/26/19 (Added requirements from SP 028)

Description: Due to the nature of the project, the County may require extra work consisting of various items to be completed by the Contractor where the exact scope of work could not be determined at time of submittal of the bid. In order to avoid project delays or issues related to payment for such extra work, the schedule of quantities includes a Contract Extra Work item.

All work to be performed under this item shall be as directed by the Engineer and approved by the Superintendent and the Cook County Chief Procurement Officer or his/her designee.

Contractor's payment requests for Contract Extra Work shall be processed in accordance with Article 109.04 of the Standard Specifications and the following additional procedures:

- 1) Contractor shall invoice the County for such Contract Extra Work in accordance with the force account as agreed to by the Engineer and Contractor.
- 2) Force account billing for equipment expense shall follow the applicable volume of the Equipment Watch Rental Rate Blue Book (Blue Book). Determination of equipment rates shall follow the IDOT Construction Memorandum 08-09. Also, a copy of the Blue Book calculation for each piece of equipment shall be included with the force account billing.
- 3) Contractor shall submit invoice for such Contract Extra Work after the Contract Extra Work has been fully completed by Contractor and within sixty (60) days of completion of the work.
- 4) Within sixty (60) days after receipt of the invoice, the Engineer will review the Contractor's invoice and determine whether the invoice complies with the above. If the Engineer disapproves the invoice, the Engineer shall give Contractor notice of the reasons for such disapproval and the Contractor shall resubmit a corrected invoice for the Engineer's review. The County shall have an additional thirty (30) days to review and determine whether that the corrected invoice complies with the above.
- 5) Once the Engineer determines that the invoice complies with the above, the Engineer shall present a recommendation for change in plan for the specific items of extra work. The Superintendent shall execute a change order for the specific items of extra work and submit such change order to the Cook County Chief Procurement Officer, or where appropriate, to the County Board for approval.
- 6) Within thirty (30) days of the Board's or the Cook County Chief Procurement Officer's approval of the change order, payment shall be reflected under the specific items of extra work completed by the Contractor and the corresponding amount shall be deleted from the Contract Extra Work item.

Measurement: Each one dollar of extra work value will be measured as one unit.

Basis of Payment: Payment for this work will be made as specified in Article 109.04 of the Standard Specifications for Road and Bridge Construction and paid as Contract Extra Work in accordance with the requirements set forth in the above requirements.

**SPECIAL PROVISION
FOR
CONSTRUCTION LAYOUT (SPECIAL)
FOR REHABILITATION PROJECTS WITH ADA AND STAND ALONE ADA**

Effective: May 1, 2018

Revised: May 15, 2018 (include traffic signal equipment)

Description. This work shall consist of furnishing and placing construction layout stakes for the construction of ADA Ramps shown in the plans. The Contractor shall furnish and place stakes marking the locations and elevations of points indicated in the plans for ADA Ramp Construction including all traffic signal equipment.

The Contractor shall locate all reference points as shown on the plans and listed herein. Any additional control points required will be identified in the field by the Contractor and all field notes will be kept in the office of the Resident Engineer.

The Contractor shall provide field forces, equipment, and material to set all additional stakes for this project, which are needed to establish offset stakes, reference points, and any other horizontal and vertical controls necessary to secure a correct layout for the work.

Layout stakes shall be set to assure conformance to the ADA Ramp design shown on the plans and shall meet the approval of the Engineer.

The Contractor shall be responsible for having the finished work conform to the lines, grades, elevations, and dimensions called for in the plans. Any inspection or checking of the Contractor's layout by the Engineer and the acceptance of all or any part of it shall not relieve the Contractor of his/her responsibility to secure the proper dimensions, grades, and elevations of the work. The Contractor shall exercise care in the preservation of stakes and bench marks and shall have them reset when any are damaged, lost, displaced, removed or otherwise obliterated.

Responsibility of the Department.

The Department may make random checks of the Contractor's staking to determine if the work is in conformance with the plans. When the Contractor's work will tie into work that is being or will be done by others, checks will be made to determine if the work is in conformance with the proposed overall grade and horizontal alignment.

Where the Contractor, in setting construction stakes, discovers discrepancies, the Department will check to determine their nature and make whatever revisions are necessary to the plans. Any additional restaking required by the Engineer will be the responsibility of the Contractor. The additional restaking done by the Contractor will be paid for according to Article 109.04 of the Standard Specifications.

It is not the responsibility of the Department, except as provided herein, to check the correctness of the Contractor's stakes. Any apparent errors will be immediately called to the Contractor's attention and the Contractor will be required to make the necessary correction before the stakes are used for construction purposes. The Contractor shall provide the

Engineer a copy of any field notes and layout diagrams produced during the course of the project.

The Department will be responsible for inspecting final construction, filling out IDOT District 1 form PD0031 (ADA/PROWAG Inspection Sheet), and approving construction as compliant. IDOT forms are updated periodically. The current version can be found at the IDOT website as required.

Responsibility of the Contractor.

The Contractor shall establish from the given survey points and contract plan information, all the control points or reference points necessary to layout the ADA Ramp elements. The Contractor shall furnish and place the layout stakes. The Contractor shall notify the Engineer when the stakes are complete and available for review by the Engineer at least 3 working days in advance of the actual construction. Final acceptance of the proposed ADA Ramp Construction will not be determined at contractor staking. Final acceptance will be determined after the ADA Ramp Construction is poured.

Field notes shall be kept in standard survey field notebooks and those books shall become the property of the Department at the completion of the project. All notes shall be neat, orderly, and in accepted form.

Measurement and Payment. This work will be paid for at the contract lump sum price for CONSTRUCTION LAYOUT (SPECIAL).

SPECIAL PROVISION FOR ENGINEER'S FIELD OFFICE

Effective: 01/15/13

Revised: 04/26/19 (Revised several requirements (phone, cell phone, internet) and re-incorporated items from Standard Specifications)

Revised: 02/11/20 (Updated contact and basis of payment)

Revised 03/01/2023 (revised replacement paragraphs 1 and 6 from Article 670.02)

This Special Provision amends the provisions of the Standard Specifications for Road and Bridge Construction and shall be construed to be a part thereof.

670.02 Engineer's Field Office Type A. Delete and replace the following of Article 670.02, paragraph 1:

Type A field offices shall have a minimum ceiling height of 7 ft (2 m) and a minimum floor space as follows, based on the Construction Contract Value:

- i. ≥ \$30 Million contract value requires 3,000 Sq. Ft. field office floor space, with three (3) private offices. The private offices shall have a minimum of 80 square feet each with lockable doors.
- ii. < \$30 Million contract value requires 2,000 Sq. Ft. field office floor space with two (2) private offices. The private offices shall have a minimum of 80 square feet each with lockable doors.

Standard kitchenette area shall be present in all field offices where the refrigerator and microwave oven noted in paragraph 6 should be located.

Electrical service shall be 120-240V, minimum of 100 Amps, capable of supporting anticipated electrical loads.

The office shall be equipped and maintained with sufficient heat, natural and artificial light, air conditioning, and shall be watertight. The office's heating & cooling shall be capable of maintaining a minimum consistent temperature of 68 degrees Fahrenheit and a maximum consistent temperature of 78 degrees Fahrenheit. Outdoor lighting fixtures shall be provided to effectively light the area around the office facility and entrances.

Smoke detectors shall be provided with the minimum of one per 450 sq. ft. of space.

Adequate all-weather, off-street, parking shall be available to accommodate a minimum of ten (10) vehicles.

Cleaning services shall be provided for the field office a minimum of once per week and shall include, but not be limited to, emptying trash receptacles, cleaning bathroom(s) and kitchenette with disinfectant, cleaning floors, windows, and cabinets / shelves, and wiping-down tables, counters, and high-touch areas with disinfectant.

670.02 Engineer's Field Office Type A. Delete and replace Article 670.02, paragraph 6:

- (a.) Desks with minimum working surface 42 x 30 inch (1.1m x 750mm) each and non-folding chairs with upholstered seats and backs.

- a. Contract < \$30 Million: Requires 10 desks with 10 non-folding chairs.
 - b. Contract > \$30 Million: Requires 14 desks with 14 non-folding chairs.
- (b.) One desk with a minimum working surface of 48 x 72 in. (1.2 x 1.8m)
- (c.) Three free standing four drawer legal size file cabinets with lock and underwriters' laboratories insulated file device 350°F (177°C) one hour rating.
- (d.) 6' Folding tables and chairs
- a. Contract < \$30 Million: Three folding table with 12 chairs
 - b. Contract > \$30 Million: Six folding tables with 24 chairs
- (e.) One equipment cabinet of minimum inside dimension of 44 in. (1100mm) high x 24 in (600mm) wide x 30 in. (750mm) deep with lock. The walls shall be of steel with a 3/32 in. (2 mm) minimum thickness with concealed hinges and enclosed lock constructed in such a manner as to prevent entry by force. The cabinet assembly shall be permanently attached to a structural element of the field office in a manner to prevent theft of the entire cabinet.
- (f.) One refrigerator with a minimum size of 14 cu. Ft. (0.40 cu m) with a freezer unit.
- (g.) Two electric desk type tape printing calculator.
- (h.) A minimum of two communication paths. The configuration shall include:
- a. High-Speed Internet Connection. Commercial grade internet service connection using fiber-optic network, cable broadband or 4G LTE / 5G wireless technology with a MINIMUM bandwidth of 100 Mbps for downloads and 5 Mbps for uploads or next best available from ISP shall be established. Additionally, a modem and an 802.11ac multi-band, for both 2.4GHz and 5GHz band, wireless router shall be provided, which will allow connection by the Engineer and up to ten Department Staff. The internet service shall provide unlimited data or next best available from ISP for the duration of the contract. For areas where the minimum download speed is not available, the maximum speed available for the area shall be provided per the Engineer's discretion.
 - b. Telephone Lines. One landline with a touch tone telephone with voicemail or answering machine. The telephone shall have an unpublished number. The installation shall include sufficient extension cord lengths to serve the desks/ private office (as applicable).
- (i.) One digital wireless color printer with a duplex automatic feed tray storing at least 30 sheets of paper, capable of reproducing prints as black, grayscale, and color lines on white paper up to 11 x 17 in. (280 x 432 mm) in size, have separate paper trays for letter size and 11 x 17 in. (280 x 432 mm) paper. The wireless printer shall also be equipped to copy and scan documents. Reproduction paper (8.5 in. x 11 in., 8.5 in. x 14 in., and 11 in. x 17 in.) shall be supplied to the satisfaction of the Engineer. Maintenance, activating agent and power source for the copy machine shall be included.
- a. The digital copy machine shall also be capable of:
 - i. High-speed scanning to / printing from a computer, wireless printing, and sending scans directly via email.
 - ii. High-speed scanning color hardcopies and creating color PDFs that are retrievable from a computer or via email

- iii. Collating and stapling
- iv. Reducing / enlarging and darkening / lightening copies / scans
- (j.) One electric hot and cold filtered water dispenser for 5-gallon water bottles. 5 gallon and 0.5 liter bottles of water shall be supplied, and be available, at all times, for the duration of the project.
- (k.) One programmable 12 cup coffee maker for use by Engineer and County staff or equivalent to the satisfaction of the Engineer.
- (l.) One first-aid cabinet fully equipped to treat a minimum of 25 staff. Supplies shall be capable of covering the following ailments: burns, skin irritants, eye care and general use. All supplies shall be monitored and maintained by the Contractor to replace expired supplies as needed.
- (m.) One microwave oven (minimum 700 watt) with a turntable and 1 cu ft (0.03 cu m) minimum capacity.
- (n.) One fire-proof safe, 0.5 cu ft (0.01 cu m) minimum capacity.
- (o.) One electric cross-cut paper shredder capable of shredding a minimum 15 sheets at a time.
- (p.) One post mounted rain gauge, located on the project site for each 5 miles (8 km) of project length.
- (q.) White magnetic dry-erase board, 6-ft by 4-ft min size, with attached marker / eraser tray, and compatible dry-erase markers and eraser. A minimum of 4 dry-erase markers (writing colors: black, blue, red, and green) shall be provided. The white board installation location must be coordinated with the Resident Engineer prior to mounting.
- (r.) Television or monitor with speakers, 55-in minimum screen size, 4K resolution, capable of HDMI wired and wireless screen-mirroring / projecting from a computer. Wireless screen-mirroring / projecting equipment and / or applications shall be included. The installation shall include the stand or wall mount and be in a location that the full screen is viewable from the conference table.
- (s.) Two 42.5" computer monitors with 4K resolution and LCD display. Monitors to be provided shall contain all required cables and connections to allow County personnel to connect to their laptops an/or docking stations as required.
- (t.) A new upright bagless vacuum cleaner with a HEPA-filter or new shop vacuum with a HEPA-filter.
- (u.) Trash receptacle(s), 32 gallon capacity minimum, with one trash receptacle at each desk in addition to all rest room(s) and office(s). A minimum of one (1) recycling receptacle, blue in color and 32 gallon capacity minimum, shall be provided and placed in common area. A minimum of one (1) trash receptacle, 32 gallon capacity minimum, shall be provided and placed in common area.
 - a. Contractor is responsible for handling and disposal of all recyclable items from the office. At no point in time should the recycling be combined with the trash receptacle or be disposed of with the general trash.
- (v.) Suitable on-site sanitary facilities meeting Federal, State, and local health department requirements shall be provided, maintained clean and in good working condition, and shall be stocked with lavatory and sanitary supplies at all times. Sanitary facilities shall include hot and cold potable running water, lavatory, and toilet as an integral part of the office where available. A portable toilet, if necessary, shall be serviced once per week. Solid waste disposal consisting of two waste baskets and an outside trash container of sufficient size to accommodate a weekly provided pick-up service.

**SPECIAL PROVISION
FOR
CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (RISK MANAGED)**

Effective: 7/31/19

Revised: 1/20/22 Updated pay item per 2022 IDOT SSRBC.

The Contractor is expected to be thoroughly familiar with the provisions of the Environmental Protection Act as it relates to proper disposal of excavated material and construction debris. Due to the relatively small amount of surplus material anticipated to be generated, neither a Form LPC-662 nor LPC-663 will be provided by the Department.

This special provision is not to be construed as a requirement that obligates the Contractor to dispose of surplus material at a CCDD facility or USFO.

Add the following to Section 669 of the Standard Specifications:

The Contractor is advised to consider the cost of disposing of all CCDD and uncontaminated soil and reflect those costs in their bids for **EARTH EXCAVATION** or other appropriate items which may include soils removal. Pay items for **NON-SPECIAL WASTE DISPOSAL, SPECIAL WASTE DISPOSAL, HAZARDOUS WASTE DISPOSAL, REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN, REGULATED SUBSTANCES MONITORING, SOIL DISPOSAL ANALYSIS, and REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT** have been included, as applicable, in the Summary of Quantities in order to provide for the management and disposal of materials in the event that contaminated soils are encountered. The requirements for removal and disposal of such materials shall be in accordance with Section 669.

HAMBURG WHEEL AND TENSILE STRENGTH RATIO TESTING (D1 LR)

Effective: December 1, 2020

Revised: December 1, 2021

Revise the second and third paragraph of Article 1030.05 (d) of the Standard Specifications to read:

“High ESAL mixture designs shall meet the following requirements for tensile strength, TSR and Hamburg wheel criteria.

If a mix design fails the Department's verification testing, the Contractor shall make necessary changes to the mix and provide passing volumetric, tensile strength, TSR and Hamburg wheel procedure results before resubmittal. The Department will verify the passing results.”

Add to the end of Article 1030.05 (d)(3) of the Standard Specifications to read:

“ During mixture design, prepared samples shall be submitted to the District laboratory by the Contractor for verification testing. The required testing, and number and size of prepared samples submitted, shall be according to the following tables.

High ESAL – Required Samples for Verification Testing	
Mixture	Hamburg Wheel Testing ^{1/ 2/}
Binder	total of 3 - 160 mm tall bricks
Surface	total of 4 - 160 mm tall bricks

1/ The compacted gyratory bricks for Hamburg wheel testing shall be 7.5 ± 0.5 percent air voids.

2/ If the Contractor does not possess the equipment to prepare the 160 mm tall brick(s), twice as many 115 mm tall compacted gyratory bricks will be acceptable.

Delete Article 1030.05(d)(4) of the Standard Specifications.

Revise the fourth paragraph of Article 1030.10 of the Standard Specifications to read:

“When a test strip is not required, each HMA mixture shall still be sampled on the first day of production: Hamburg wheel testing for High ESAL. Within two working days after sampling the mixture, the Contractor shall deliver gyratory cylinders to the District laboratory for Department verification testing. The High ESAL mixture test results shall meet the requirements of Articles 1030.05(d)(3) and 1030.05(d)(4). The required number and size of prepared samples submitted

for the Hamburg wheel and I-FIT testing shall be according to the “High ESAL - Required Samples for Verification Testing” table in Article 1030.05(d)(3) above.”

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

“Upon notification by the Engineer of a failing Hamburg wheel test, the Contractor shall immediately resample and the Department will test. Paving may continue as long as all other mixture criteria is being met. If the second set of Hamburg wheel test fail, no additional mixture shall be produced until the Engineer receives passing Hamburg wheel tests.”

Add the following to the end of Article 1030.10 of the Standard Specifications to read:

“Mixture sampled during the first day of production shall include approximately 60 lb (27 kg) of additional material for the Department to conduct Hamburg wheel testing. Within two working days after sampling, the Contractor shall deliver prepared samples to the District laboratory for verification testing. The required number and size of prepared samples submitted for the Hamburg wheel testing shall be according to the “High ESAL - Required Samples for Verification Testing” table in Article 1030.05(d)(3) above.”

SPECIAL PROVISION FOR MANAGING CONCRETE WASTE

Effective: 01/01/2009

Revised: N/A

Description. Prevent or reduce the discharge of pollutants to stormwater from concrete waste including diamond grinding slurry or residue by conducting washout offsite or by performing onsite washout in a designated area.

Construction. Perform this work on projects where;

- Concrete is used as a construction material or where concrete dust and debris result from demolition activities
- Slurries containing portland cement concrete (PCC) or asphalt concrete (AC) are generated, such as from saw cutting, coring, grinding, grooving, and hydro-concrete demolition
- Concrete trucks and other concrete-coated equipment are washed onsite
- Mortar-mixing stations exist

Requirements.

- No discharge of water/lime slurry will be allowed to enter "waters of the state".

"Waters of the state" - all rivers, streams, lakes and other bodies of surface and subsurface water lying within the boundaries of the state which are not entirely confined and located completely upon lands owned, leased or otherwise controlled by a single person or entity.

- The slurry shall not be discharged to drainage ways, non-vegetated areas or anywhere storm water runoff is likely to occur.
- Discharge of the slurry should be stopped
 - at least 25 feet from creeks and rivers on slopes less than 12 percent.
 - at least 50 feet on slopes 12 percent to 25 percent in areas with healthy vegetation on the road right of way.
 - at least 12 feet from the bottom of all ditches.
- On sites where there is sparse or no vegetation to control the movement of the slurry, alternatives that may be used include:
 - Pump the slurry into tankers and hauled to an area where it can be spread as a lime supplement. This method will require additional tankers and land close to the project site.
 - Incorporate the slurry into the soil on the right of way next to the road where it will not impact waters of the state, highway or shoulders.
- The Resident Engineer must approve any other method of application or use of the slurry. The design engineer should be contacted for guidance on the use of alternative methods.

- Precautions must be taken at all times to prevent the slurry from entering the waters of the state. Should improper application occur which may result in a discharge of lime slurry to the waters of the state, the contractor shall immediately remove the slurry and notify the Resident Engineer.

Implementation. The following steps shall be taken to help reduce stormwater pollution from concrete wastes:

- Store dry and wet materials under cover, away from drainage areas.
- Avoid mixing excess amounts of fresh concrete.
- Perform washout of concrete trucks offsite or in designated areas only.
- Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
- Do not allow excess concrete to be dumped onsite, except in designated areas.

For onsite washout:

- Locate washout area at least 50 feet from storm drains, open ditches, or water bodies.
- Prevent runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste.
- Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed properly.
- Avoid creating runoff by draining water to a bermed or level area when washing concrete to remove fine particles and expose the aggregate.
- Do not wash sweepings from exposed aggregate concrete into the street or storm drain.
- Collect and return sweepings to aggregate base stockpile or dispose in the trash.

For Concrete Slurry Wastes. The following steps shall be taken when handling and disposing of concrete slurry wastes containing portland cement concrete (PCC) or asphalt concrete (AC) generated, such as from saw cutting, coring, grinding, grooving, and hydro-concrete demolition.

- PCC and AC waste should not be allowed to enter storm drains or watercourses.
- PCC and AC waste should be collected and disposed of or placed in a temporary concrete washout facility.
- A sign should be installed adjacent to each temporary concrete washout facility to inform concrete equipment operators to utilize the proper facilities.
- Below grade concrete washout facilities are typical. Above grade facilities are used if excavation is not practical.
- A foreman or construction supervisor should monitor onsite concrete working tasks, such as saw cutting, coring, grinding and grooving to ensure proper methods are implemented.
- Saw-cut PCC slurry should not be allowed to enter storm drains or watercourses.
- Residue from grinding operations should be picked up by means of a vacuum attachment to the grinding machine.
- Saw cutting residue should not be allowed to flow across the pavement and should not be left on the surface of the pavement.

Slurry residue should be vacuumed and disposed in a temporary pit (as described below) and allowed to dry. Dispose of dry slurry residue in accordance with

For Onsite Temporary Concrete Washout Facility:

- Temporary concrete washout facilities should be located a minimum of 50 ft from storm drain inlets, open drainage facilities, and watercourses. Each facility should be located away from construction traffic or access areas to prevent disturbance or tracking.
- A sign should be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities.
- Temporary concrete washout facilities should be constructed above grade or below grade at the option of the contractor. Temporary concrete washout facilities should be constructed and maintained in sufficient quantity and size to contain all liquid and concrete waste generated by washout operations.
- Temporary washout facilities should have a temporary pit or bermed areas of sufficient volume to completely contain all liquid and waste concrete materials generated during washout procedures.
- Washout of concrete trucks should be performed in designated areas only.
- Only concrete from mixer truck chutes should be washed into concrete wash out.
- Concrete washout from concrete pumper bins can be washed into concrete pumper trucks and discharged into designated washout area or properly disposed of offsite.
- Once concrete wastes are washed into the designated area and allowed to harden, the concrete should be broken up, removed, and disposed of per WM-5, Solid Waste Management. Dispose of hardened concrete on a regular basis.
- Temporary Concrete Washout Facility (Type Above Grade)
 - Temporary concrete washout facility (type above grade) should be constructed as shown on the details at the end of this BMP, with a recommended minimum length and minimum width of 10 ft, but with sufficient quantity and volume to contain all liquid and concrete waste generated by washout operations.
 - Silt Fence, wood stakes, and sandbag materials should conform to the provisions in SE-9, Straw Bale Barrier.
 - Plastic lining material should be a minimum of 10 mil in polyethylene sheeting and should be free of holes, tears, or other defects that compromise the impermeability of the material.
- Temporary Concrete Washout Facility (Type Below Grade)
 - Temporary concrete washout facilities (type below grade) should be constructed as shown on the details at the end of this BMP, with a recommended minimum length and minimum width of 10 ft. The quantity and volume should be sufficient to contain all liquid and concrete waste generated by washout operations.
 - Lath and flagging should be commercial type.
 - Plastic lining material should be a minimum of 10 mil polyethylene sheeting and should be free of holes, tears, or other defects that compromise the impermeability of the material.

Removal of Temporary Concrete Washout Facilities: When temporary concrete washout facilities are no longer required for the work, the hardened concrete should be removed and disposed of. Materials used to construct temporary concrete washout facilities should be removed from the site of the work and disposed of. Holes, depressions or other ground disturbance caused by the removal of the temporary concrete washout facilities should be backfilled and repaired.

Inspection and Maintenance.

- Inspect and verify that activity-based BMPs are in place prior to the commencement of associated activities. While activities associated with the BMP are under way, inspect weekly during the rainy season and of two-week intervals in the non-rainy season to verify continued BMP implementation.
- Temporary concrete washout facilities should be maintained to provide adequate holding capacity with a minimum freeboard of 4 in. for above grade facilities and 12 in. for below grade facilities.
- Maintaining temporary concrete washout facilities should include removing and disposing of hardened concrete and returning the facilities to a functional condition.
- Hardened concrete materials should be removed and disposed of.
- Washout facilities must be cleaned, or new facilities must be constructed and ready for use once the washout is 75% full.

Disposal for the Diamond Grinding Slurry (Non Hazardous Only).

Transporting. - Transport the diamond grinding slurry from the diamond grinder to a licensed Type II municipal landfill for solidification or to a licensed liquid industrial waste disposal facility. Cover and contain to prevent loss to the environment during transport and delivery to the licensed facility.

Solid Waste Facility. Dispose of the diamond grinding slurry in a licensed Type II municipal landfill pursuant to Part 115 of Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451). The disposal shall be consistent with the landfill's waste acceptance policies and the slurry shall be solidified sufficiently to pass the paint filter test.

Licensed Liquid Industrial Waste Disposal Facility. The diamond grinding slurry may also be processed as a liquid industrial waste at a licensed liquid industrial waste facility pursuant to Part 121 of the Liquid Industrial Waste, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), provided the disposal is consistent with the licensed liquid waste facility processor acceptance policies.

Records Furnish a complete waste disposal manifest for each load prepared by the Contractor with copies to the Engineer containing information on the point of generation including roadway, the volume transported, and the name of licensed disposal facility.

Contractor Responsibility for Method of Operations. This specification sets forth minimum steps to avoid violating environmental laws. It remains the responsibility of the Contractor to determine whether more than those minimum steps are required and to perform the work required by this contract in whatever manner may be required to comply with applicable laws. The Contractor shall be liable to the Department for any fines, costs, or remediation costs incurred by the Department as a result of the Contractor's failure to be in compliance with this specification and all federal, state and local laws.

Measurement and Payment. All costs associated with the collecting, handling, transporting by contractor or licensed industrial waste hauler, manifesting the waste, managing the diamond grinding slurry, and disposing will not be paid for separately but will be included in the payment for other items of work. All costs associated with full compliance with applicable laws regardless of whether or not all applicable laws are cited in this special provision or in the Standard Specification for Construction will be borne by the Contractor.

SPECIAL PROVISION FOR PORTLAND CEMENT CONCRETE (PCC) PAVEMENT REMOVAL (MILLING)

Effective: Sept. 3, 2020

Revised: n/a

Description. This work shall consist of cold milling the existing pavement surface to a depth, profile, and cross slope shown on the plans. This work shall be according to Section 440 and 1101 of the Standard Specifications except as modified herein.

Equipment.

Revise Article 1101.16(a) of the Standard Specifications to read:

Portland Cement Concrete (PCC) Surface Removal. The milling machine shall be capable of cold milling and cutting the existing PCC surface utilizing tungsten carbide cutting teeth and depositing the cuttings directly into a truck. It should be capable of removing PCC pavement at least 6 ft. (1.8 m) in width and 2.0 in (51 mm) in depth in a single pass. When the width of the removal is less than 6 ft. (1.8 m), machines less than 6 ft. (1.8 m) wide will be permitted, except that the area milled shall not be wider than the width of the work specified on the plans. The milling machine shall be capable of accurately and automatically establishing profile grades by reference from either the existing pavement or from an independent grade control to provide a milled surface within a tolerance of 3/16 in. in 16 ft. (5 mm in 5 m) when tested with a 16 ft. (5 m) straightedge. It also shall have an effective means of removing loose and excess material and provisions for controlling dust and other particulate matter from escaping into the air.

Construction Requirements.

Revise Article 440.04 of the Standard Specifications to read:

PCC Removal for Subsequent Resurfacing. The existing PCC material shall be removed to the depth specified on the plans with a self-propelled milling machine. The temperature at which the work is performed, the nature and condition of the equipment, and the manner of performing the work shall be such that the milled surface is not torn, gouged, shoved or otherwise damaged by the milling operation. Sufficient cutting passes shall be made so that all irregularities or high spots are eliminated to the satisfaction of the Engineer. When tested with a 16 ft. (5 m) straightedge, the milled surface shall have no surface variations in excess of 3/16 in. (5 mm). Removing the PCC material to the required depth adjacent to structures in the pavement such as drain castings and utility covers shall be accomplished in a manner satisfactory to the Engineer using either machine or hand methods. Any damage caused by the milling operation shall be repaired by the contractor at the contractor's expense. Castings for existing utility or drainage structures within the pavement which are exposed to traffic after the pavement has been milled shall be protected according to Article 603.07. If any steel mesh or steel bars are encountered during the removal operation, the operation shall cease and the

area affected shall be inspected by the engineer. The engineer shall make the determination on how to proceed with the removal.

Method of Measurement.

Add the following to Article 440.07(b) of the Standard Specifications to include:

PCC surface removal for subsequent resurfacing will be measured for payment in place and the area computed in square yards (square meters) for the specified thickness of the material removed.

Basis of Payment.

Add the following to Article 440.08 of the Standard Specifications to include:

“This work shall be paid for at the contract unit price per square yard (square meter) for PCC PAVEMENT REMOVAL (MILLING).

**SPECIAL PROVISION
FOR
EPOXY COATING OF REINFORCEMENT BARS**

Effective: March 18, 2022

Revised: N/A

Unless otherwise shown in the plans, all reinforcement bars for the project, including dowel and tie bars, shall be epoxy coated in accordance with Article 1006.10(a)(2) of the Standard Specifications.

Method of Measurement. Epoxy coating shall not be measured for payment but will be included in the corresponding pay items.

**SPECIAL PROVISION
FOR
CRACK ROUTING AND SEALING**

Effective: 01/01/08

Revised: 04/26/19 (Added Section 451 SSRBC reference, removed redundant information, and defined "unsuccessful" application)

Revised: 3/28/21 (Added Section 452 SSRBC to include PCC pavement)

Work under this item shall be performed in accordance with Section 451. Crack Sealing Hot-Mix Asphalt Pavement and Section 452. Crack and Joint Sealing Portland Cement Concrete Pavement of the Standard Specifications, and as described herein.

Touch-Up Work. If the application is not successful, for any reason, the contractor will be required to rout, clean and reseal all areas that have failed. Unsuccessful crack routing and sealing shall be defined as 90% or less bonded over any 10-foot length after 30 days or final inspection, whichever is later. This work will be done at the contractor's expense.

**SPECIAL PROVISION
FOR
PAVEMENT THICKNESS DEFICIENCY**

Effective: 03/01/2008

Revised: n/a

The Contractor's attention is brought to Section 407 of the Standard Specification; Hot-Mix Asphalt Pavement (Full-Depth). This contract specifies payment of various Hot-Mix Asphalt mixtures on a per Ton basis or in the case of Hot-Mix Asphalt Shoulders, by the Square Yard. The pay item for Hot-Mix Asphalt Pavement (Full-Depth) is not used. However, it is the intent of this contract to construct the proposed pavement to the layer thicknesses and total thickness as shown on the plans.

The provisions in Article 407.10 governing deficient pavement thickness will be adhered to with the following alterations or additions:

References to the Contract Unit Price as given in Sections 407.10(a) and (b) will relate to the various Hot-Mix Asphalt items in the contract and as described below.

Basis of Payment. The "Contract Unit Price" will not refer to the item, Hot-Mix Asphalt Pavement (Full-Depth), but will instead refer to the total of the costs of the various Hot-Mix layers used to construct the pavement. The total cost per square yard will be calculated by taking the plan thicknesses and computing a tonnage yield for each material per square yard, multiplying this calculated yield by the contract cost per Ton for each material and summing these costs to produce the total cost. This calculated cost per square yard will then be multiplied by the total area of deficient thickness and the deduction penalty will be applied.

SPECIAL PROVISION FOR SURVEY MONUMENTS

Effective: 01/15/13
Revised: N/A

Description. The Contractor shall cause all work necessary to be performed for the preservation, relocation and erection of Survey Monuments at all points hereinafter described. Installation shall be made in accordance with the details shown on plans.

Survey Monuments. All section, quarter section or other government established corners which are discovered or known to exist within the limits of the proposed improvement are to be re-established (as later specified) in accordance with the details shown on the Standard Design for Cook County Survey Monuments. All section corners located within the project limits or as called out on the plans will be located by a Registered Land Surveyor and a physical monument installed at the located corner in accordance with the details specified below. This will be done even if an existing monument is not found at that corner.

Placing Monuments. When monuments are located within the limits of the proposed improvements, they shall not be disturbed by the Contractor until a Registered Land Surveyor shall have made such reference as may be necessary to preserve their location. After the pavement is laid, the original location of the monuments shall be identified by placing in position, vertically above or below the original location, the new monuments which shall comply with details shown on the Standard Designs. In case monuments do not fall within the limits of the pavement, the monument shall be placed in a 2-1/2 inch wrought iron pipe, 3 feet long, driven flush with the ground surface and grouted as shown on the aforesaid Standard design. The plugs for this purpose shall be furnished by a Registered Land Surveyor and shall be set securely and in a workmanlike manner flush with the surface of the ground or pavement in accordance with the requirements of the law and under the direction of a Registered Land Surveyor. When section corners without existing monumentation are located within the project limits or as specifically directed in the plans, that corner shall be located and monumented as described above.

Plat. The location of all monuments to be preserved, reset or erected within the limits of the improvement shall be shown on a plat or plats which delineates and describes each corner monument. Preparation of the above plat must conform with Illinois Public Act 79-649, entitled "An Act to provide for the perpetuation of land survey Monuments". Each plat shall be recorded by the Surveyor in the office of the County Recorder. Copies of the plat or plats, as recorded and bearing the appropriate document number, shall be furnished to and become the property of the Cook County Department of Transportation and Highways (one copy to the Pavement Geometrics Division - Survey Section and one copy to the Right of Way Bureau).

Basis of Payment. This work will be paid for at the contract unit price each for SURVEY MONUMENTS, relocated and erected within the limits of the improvement or as specifically directed in the plans, which price shall include the cost of all labor, tools and materials used in the performance of preserving, relocating and identifying the monuments, as well as the salary and expense of the Registered Land Surveyor while engaged in this work.

**SPECIAL PROVISION
FOR
STOCKPILED EMBANKMENT**

Effective: 07/01/12

Revised: 04/26/19 (Removed exception language redundant to Standard Specifications)

All material excavated on site and designated to be used as fill on the plans or described as fill on the typical sections, cross sections, notes, details or specifications for this project shall be placed in accordance with Section 205 of the Standard Specifications for Road and Bridge Construction.

FURNISHED EXCAVATION, BORROW EXCAVATION, POROUS GRANULAR EMBANKMENT, TRENCH BACKFILL or any other specific fill material designated in the Summary of Quantities shall be paid for per the unit price for each respective item as specified. In the event that suitable material excavated on site is stockpiled for use as backfill in areas of unsuitable material excavation or due to construction staging, payment will be allowed for the additional movement of this material. Payment shall be measured as compacted in-place per cubic yard for EARTH EXCAVATION as provided for in the plans and as directed by the Engineer. No additional compensation will be made for material that is stockpiled but not used.

All surplus or unsuitable material will be wasted in accordance with Section 202 of the Standard Specifications for Road and Bridge Construction.

**SPECIAL PROVISION
FOR
AGGREGATE FOR TEMPORARY ACCESS**

Effective: 01/01/08

Revised: 04/26/19 (Renamed from 'Crushed Stone (Temporary Use)'; removed note regarding estimated quantity in plans)

Description. This work shall consist of furnishing and placing crushed stone for temporary use to provide and maintain ingress and egress to abutting properties during construction operations. It shall be used for access to intersecting roadways, alley returns, crosswalks and other places required by the Engineer. The crushed stone or gravel shall have a gradation of CA6 or CA10 conforming to Article 1004.01 of the State Standard Specifications. Excess materials recovered from the job site such as bituminous grindings and sub-base granular materials from existing pavements may be utilized at the discretion of the Engineer.

Basis of Payment. This work will be paid for at the Lump Sum for AGGREGATE FOR TEMPORARY ACCESS. The Lump Sum payment shall include furnishing, transporting, placing, maintaining, reusing and the ultimate disposal of the AGGREGATE FOR TEMPORARY ACCESS as herein specified or as directed by the Engineer.

**SPECIAL PROVISION
FOR
RAILROAD FLAGGERS**

Effective: March 20, 2019

Revised: n/a

Railroad flagging services shall be provided in accordance with Article 107.12 of the Standard Specifications.

Basis of Payment - The Contractor shall pay the costs of Railroad flaggers required for transporting material or equipment across the track. These costs shall be considered as included in the contract unit prices bid for the various items of work involved. All other Railroad flagger costs will be paid for at the contract unit per price lump sum for RAILROAD FLAGGERS.

**SPECIAL PROVISION
FOR
FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)**

Effective: 02/14/19

Revised: N/A

Description. This work shall consist of adjusting frames and lids and frames and grates for drainage and utility structures located within the pavement area in accordance with Section 603 of Standard Specifications and the following modifications:

All work shall be performed as detailed on the IDOT District One Detail BD-08 "Details for Frames and Lids Adjustment with Milling".

Replace Article 603.09 with the following:

Basis of Payment. This work will be paid for at the contract unit price per each for FRAMES AND LIDS TO BE ADJUSTED (SPECIAL).

SPECIAL PROVISION FOR LOCATIONS OF AND CONFLICTS WITH UTILITIES

Effective: May 21, 2018 (replaces CCDOTH Special Provision for Cooperation with Utilities)

Revised: N/A

This special provision revises portions of Articles 107.37 and 107.40 of the Standard Specifications.

Replace the second paragraph of Article 107.37 with:

It is understood and agreed that the Contractor has considered in his bid all of the permanent and temporary utilities in their present and/or adjusted positions. Utility information shown in the contract represents only the opinion of the Department as to the location of such utilities and is only included for the convenience of the bidder. The Department assumes no responsibility whatsoever in respect to the sufficiency or the accuracy of the information shown in the contract relative to the location of the utilities. It shall be the Contractor's responsibility to determine the actual location of all such facilities including field verification of both vertical and horizontal locations relative to the work. He shall also obtain from the respective utility companies detailed information relative to the location of their facilities and the working schedules of the utility companies for removing or adjusting them.

Replace Article 107.40(b) with:

The provisions of Article 104.03 notwithstanding, compensation or adjustment of time will not be allowed for any delays, inconveniences, or damage sustained by the Contractor due to any interference from a utility or the operation of moving it either by the utility company or by him; or on account of any special construction methods required in prosecuting his work due to the existence of said utility, anticipated or unanticipated, either in their present or relocated position.

Delete Articles 107.40(c) and 107.40(d)

STATUS OF UTILITIES
UTILITIES TO BE ADJUSTED
2022 PAVEMENT REHABILITATION PROGRAM –
NORTH CORRIDORS PACKAGE 3
S01 - LANDWEHR ROAD (CH W80) - HAMPTON COURT TO DUNDEE ROAD
S02 - WALTERS AVENUE (CH A72) - LANDWEHR ROAD TO PFINGSTEN ROAD
S03 - LANDMEIER ROAD (CH A68) - ARLINGTON HEIGHTS ROAD TO WEST OF BUSSE ROAD
S05 - LANDMEIER ROAD (CH A68) - CAMBRIDGE DRIVE TO HIGGINS ROAD
S20 - SHOE FACTORY ROAD (CH A62) - BEVERLY ROAD TO BARTLETT ROAD
S21 - SUNSET RIDGE ROAD (CH W34) - LAKE AVENUE TO SKOKIE BOULEVARD
SECTION: 22-PRPN1-00-PV

Effective:

Revised: May 21, 2018 (updated to be consistent with SSRBC and included electrical locate information)

Name & Address Of Utility Company	Type	Estimated Date Of Completion
Adesta Aaron Rydell 2000 Bloomingdale Rd Suite 245 Glendale Heights, IL 60139 (630) 962-7139 Aaron.Rydell@aus.com	Telecommunications Underground cable Watch and protect	N/A
Astound William Ng William.Ng@astound.com	Telecommunications Underground cable Watch and protect	N/A
AT&T Distribution #NB4205A Tom Laskowski 1000 Commerce Drive Oak Brook, IL 60523 (630) 573-5643 tl7895@att.com	Telecommunications Aerial/underground cable Watch and protect Two structures will need to be adjusted by AT&T at the time of roadway construction, one at Landwehr & Techny and the other at Landmeier & Wildwood	N/A

AT&T Teleport Tim LaPointe (713) 830-7437 tl0695@att.com	Telecommunications Underground cable Watch and protect	N/A
AT&T Transmission Vanessa Ross 2500 Colt Road Springfield, IL 62707 (217) 814-2314	Telecommunications Underground cable at south leg of Landwehr & Willow Watch and protect	N/A
Comcast Martha Gieras 688 Industrial Drive Elmhurst, IL 60126 (224) 229-5862 Martha_gieras@cable.comcast.com	Telecommunications Aerial/underground cable Watch and protect	N/A
ComEd Axl Davis 3 Lincoln Center, Oakbrook Terrace, IL 60181 (779) 231-2969 Axl.Davis@ComEd.com	Electric Aerial/underground electrical conduits/cables Watch and protect throughout the project Spot watch and protect: -SW corner of Landmeier and Lively proposed handhole is 1.3' away from existing conduit	N/A
Crown Castle Nick Belinsky 1500 Corporate Dr, Canonsburg, PA 15317 (724) 416-2449 Nicholas.Belinsky@crowncastle.com	Telecommunications Underground cable Watch and protect	N/A

Glenview, Village of John Fragassi (847) 904-4510 JFragassi@Glenview.IL.US	Sewer/water Underground utilities Watch and protect	N/A
Level 3 (Lumen) #P-150449 Ryan Burgeson 1305 E. Algonquin Road Arlington Heights, IL 60005 Ryan.Burgeson@lumen.com	Telecommunications Underground cable Watch and protect	N/A
MCI/Verizon #	Telecommunications Underground cable Watch and protect	N/A
Metropolitan Water Reclamation District - Chi Joe Schuessler Schuesslerj@mwrd.org	Sewer Underground sewers/structures Watch and protect	N/A
Mission Brook Sanitary District Bob Blackstone (847) 272-2956 missionbrook@aol.com	Sewer Underground sewers/structures Watch and protect	N/A

Natural Gas Pipeline (NGPL)/Kinder Morgan #MC210536 Mark Cavazos 1001 Louisiana Street, Suite 1202 B Houston, Texas 77002 (713) 420-4363 Mark_Cavazos@kindermorgan.com	Gas Underground pipelines Watch and protect	Contractor to notify Owner 72 hours before starting work. Owner's staff must be on-site during work within 25' of the pipe.
Nicor Gas Sakibul Forah 1844 Ferry Rd. Naperville, IL 60563 (630) 388-2903 SForah@southernco.com	Gas Underground pipelines Watch and protect	N/A
Northwest Suburban Municipal Joint Action Water Agency (NSMJAWA) Ronald L. Baker Sr. 10007 W. Bryn Mawr Ave. Chicago, IL 60666-0216 (847) 774-1255 rbaker@nsmjawa.com	Water Underground utility Watch and protect	Contractor to notify Owner 48 hours before starting work at (773) 686.0077. Owner's staff must be on-site during work within 20' of the main.
Redspeed Illinois, LLC Jose Chavez 400 Eisenhower Lane North Lombard, IL 60148 (630) 317-5705 Jose.Chavez@redspeed-illinois.com	Signals Sensors in the pavement will be impacted by milling	Contractor to notify the Owner before starting work at Landmeier Road and Higgins Road intersection
Unite Private Networks George Forbes George.Forbes@upnfiber.com	Telecommunications Underground cable Watch and protect	N/A

Vinakom Communications Dicky Patel 860 Remington Road, Schaumburg, IL 60173 (847) 592-5785 Dicky.Patel@vinakom.com	Telecommunications Underground cable Watch and protect	N/A
Zayo John Ferraresi (312) 216-0450 John.Ferraresi@zayo.com	Telecommunications Underground cable on west side of intersection of Landmeier and Arlington Heights Road and at west leg of Landmeier and Lively Boulevard. Watch and protect	N/A

NOTE: All underground utilities shall be located by the Contractor prior to the start of construction. The location of the Traffic Signal Post Foundations and Handholes shall be adjusted accordingly to avoid conflict with the utilities.

The above represents the best information available to the County and is included for the convenience of the bidder. Utility relocation startup date is assumed to be from the date the R.O.W. is staked and permits are secured unless otherwise noted.

The Contractor's attention is directed to the fact that the various utility companies will be relocating and constructing facilities within the project limits concurrent with the Contractor's operations. The Contractor shall coordinate his activities with the various utility companies, at all times, and may be required to work only on portions of the improvement until relocation and construction is completed. The Contractor is advised that the relocation times and schedules listed herein are only estimates provided by the utility company. No extra compensation will be allowed for delays resulting from any work performed by a utility company or for their failure to meet said relocation schedule.

NOTE: The Contractor should contact J.U.L.I.E. at least 48 hours before start of construction at 1-800-892-0123 for all utility locations.

The County is not part of JULIE for location of traffic signal equipment, contact the Mechanical, Electrical, Architectural and Landscaping Division at 312-603-1730.

If this contract requires the services of an electrical contractor, the Contractor shall be responsible at his/her own expense for locating existing IDOT and CCDOTH facilities prior to performing any work. If this contract does not require the services of electrical contractor, the Contractor may request one free locate for existing IDOT and CCDOTH electrical facilities from the Electrical Maintenance Contractor(s) prior to the start of any work. Additional requests may be at the expense of the Contractor. The location of underground traffic facilities does not relieve the Contractor of their responsibility to repair any facilities damaged during construction at their expense.

**SPECIAL PROVISION
FOR
WATER VALVE BOXES TO BE ADJUSTED AND DOMESTIC METER VAULTS TO BE ADJUSTED**

Effective: 12/21/09

Revised: N/A

Description. At various locations within the limits of this improvement, the Contractor will encounter water valve boxes and/or domestic meter vaults that are to be adjusted to the proposed grade.

This work shall be subject to the provisions of Section 602 of the State Specifications.

Basis of Payment. This work shall be paid for at the contract unit price each for WATER VALVE BOXES TO BE ADJUSTED and for DOMESTIC METER VAULTS TO BE ADJUSTED, which price shall include all labor, equipment and materials to complete the work in accordance with the plans and this special provision



Storm Water Pollution Prevention Plan



Route	Marked Route	Section Number
Various Routes	W80, A72, A68, A62, and W34	22-PRPN1-00-PV
Project Number	County	Contract Number
	Cook	

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 (Permit ILR10), issued by the Illinois Environmental Protection Agency (IEPA) for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	Date
	9/19/2024

Print Name	Title	Agency
Petro Kravets	Engineer	Civiltech Engineering

Note: Guidance on preparing each section of BDE 2342 can be found in Chapter 41 of the IDOT Bureau of Design and Environment (BDE) Manual. Chapter 41 and this form also reference the IDOT Drainage Manual which should be readily available.

I. Site Description:

A. Provide a description of the project location; include latitude and longitude, section, town, and range:

S01 - Landwehr Road (CH W80) - Hampton Court to Dundee Road is located in Village of Glenview and Village of Northbrook.

Latitude 42.116614, Longitude -87.858607

Sections 8, 17, and 20, Township 42N, Range 12E

S02 - Walters Avenue (CH A72) - Landwehr Road to Pfingsten Road is located in Village of Northbrook.

Latitude 42.127468, Longitude -87.852963

Section 8, Township 42N, Range 12E

S03 - Landmeier Road (CH A68) - Arlington Heights Road to west Of Busse Road is located in Village of Elk Grove.

Latitude 42.012348, Longitude -87.969410

Sections 27 and 28, Township 41N, Range 11E

S05 - Landmeier Road (CH A68) - Cambridge Drive to Higgins Road is located in Village of Elk Grove.

Latitude 42.009813, Longitude -87.950562

Section 26, Township 41N, Range 11E

S20 - Shoe Factory Road (CH A62) - Beverly Road to Bartlett Road is located in Village of Hoffman Estates.

Latitude 42.060825, Longitude -88.197563

Sections 2, 3, 4, 9, 10, and 11, Township 41N, Range 9E

S21 - Sunset Ridge Road (CH W34) - Lake Avenue to Skokie Boulevard is located in Village of Glenview, Village of Northfield, and Village of Northbrook.

Latitude 42.094402, Longitude -87.790431

Sections 11, 12, 13, 14, 23, 24, 25, and 26, Township 42N, Range 12E

B. Provide a description of the construction activity which is the subject of this plan. Include the number of construction stages, drainage improvements, in-stream work, installation, maintenance, removal of erosion measures, and permanent stabilization:

Landwehr Road from Hampton Court to Dundee Road - Mill and resurface HMA pavement, pavement markings, sidewalk ramp improvement, modernization of traffic signals at Techny Road, Walters Avenue, and Cherry Lane, and detector loop replacement at Willow Road and Dundee Road. Intersection with Willow Road will be omitted from the resurfacing improvements.

Walters Avenue from Landwehr Road to Pfingsten Road - Mill and resurface HMA pavement, pavement markings, sidewalk ramp improvements and detector loop replacement at Pfingsten Road.

Landmeier Road from Arlington Heights Road to 800' west of Busse Road - Diamond grind PCC pavement, pavement markings, sidewalk ramp improvements, and modernization of traffic signals at Arlington Heights Road and Lively Boulevard. Corrugated median along Landmeier Road will be removed and pavement restriped to provide a five-lane cross section. Intersection with Tonne Road will be omitted from the diamond grinding improvements.

Landmeier Road from Cambridge Drive to Higgins Road - Mill and overlay PCC pavement, pavement markings, sidewalk ramp improvements, and detector loop replacement at Higgins Road. Corrugated median along Landmeier Road will be removed and replaced with painted median.

Shoe Factory Road from Beverly Road to Bartlett Road - Mill and resurface HMA pavement, pavement markings, and sidewalk ramp improvements. Intersection with Illinois Route 59 will be omitted from the resurfacing improvements.

Sunset Ridge Road from Lake Avenue to Skokie boulevard - Mill and resurface HMA pavement, pavement markings, sidewalk ramp improvements, and modernization of traffic signal at Lake Avenue. Intersection with Willow Road will be omitted from the resurfacing improvements.

C. Provide the estimated duration of this project:

1 year

D. The total area of the construction site is estimated to be 117.2 acres.

The total area of the site estimated to be disturbed by excavation, grading or other activities is 4.2 acres.

E. The following are weighted averages of the runoff coefficient for this project before and after construction activities are completed; see Section 4-102 of the IDOT Drainage Manual:

Due to the scope of the project being roadway rehabilitation with no new impervious areas added, the runoff coefficient will remain the same as existing.

F. List all soils found within project boundaries; include map unit name, slope information, and erosivity:

Andres silt loam, 0 to 2 percent slopes, T factor = 5

Anthroportic Udorthents-Elliott complex, 0 to 2 percent slopes, T factor = 5

Anthroportic Udorthents-Urban land-Elliott complex, 0 to 2 percent slopes, T factor = 5

Anthroportic Udorthents-Urban land-Elliott complex, 2 to 4 percent slopes, T factor = 5

Ashkum silty clay loam, 0 to 2 percent slopes, T factor = 5

Beecher silt loam, 0 to 2 percent slopes, T factor = 3

Beecher silt loam, 2 to 4 percent slopes, T factor = 3

Blount silt loam, Lake Michigan Lobe, 0 to 2 percent slopes, T factor = 3

Bryce silty clay, 0 to 2 percent slopes, T factor = 5
 Casco-Rodman complex, 12 to 20 percent slopes, eroded, T factor = 2
 Elliott silt loam, 0 to 2 percent slopes, T factor = 4
 Frankfort-Bryce complex, 1 to 6 percent slopes, T factor = 3
 Frankfort silt loam, 2 to 4 percent slopes, T factor = 3
 Markham-Ashkum-Beecher complex, 1 to 6 percent slopes, T factor = 3
 Markham silt loam, 2 to 4 percent slopes, T factor = 3
 Markham silt loam, 4 to 6 percent slopes, eroded, T factor = 3
 Markham silt loam, 6 to 12 percent slopes, eroded, t factor = 3
 Orthents, clayey, undulating, T factor = 2
 Ozaukee silt loam, 2 to 4 percent slopes, T factor = 3
 Ozaukee silt loam, 4 to 6 percent slopes, eroded, T factor = 3
 Ozaukee silt loam, 6 to 12 percent slopes, eroded, T factor = 3
 Peotone silty clay loam, 0 to 2 percent slopes, T factor = 5
 Peotone silty clay loam, undrained, 0 to 2 percent slopes, T factor = 5
 Sawmill silty clay loam, heavy till plain, 0 to 2 percent slopes, frequently flooded , T factor = 5
 Swygert silty clay loam, 0 to 2 percent slopes, T factor = 4
 Thorp silt loam, 0 to 2 percent slopes, T factor = 5
 Urban land
 Varna silt loam, 2 to 4 percent slopes, T factor = 4

G. If wetlands were delineated for this project, provide an extent of wetland acreage at the site; see Phase I report:

H. Provide a description of potentially erosive areas associated with this project:

Areas where there are steep slopes along existing ditches may be susceptible to erosion during construction.

I. The following is a description of soil disturbing activities by stages, their locations, and their erosive factors (e.g., steepness of slopes, length of slopes, etc.):

Ditch grading and shaping operations, storm sewer and drainage structure installation, and guardrail replacement throughout multiple corridors.

J. See the erosion control plans and/or drainage plans for this contract for information regarding drainage patterns, approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking (to be added after contractor identifies locations), areas of soil disturbance, the location of major structural and non-structural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands) , and locations where storm water is discharged to surface water including wetlands.

K. Identify who owns the drainage system (municipality or agency) this project will drain into:

Most of the drainage systems belong to Cook County Department of Transportation and Highways, however some of the corridors have municipal storm sewer systems as well.

L. The following is a list of General NPDES ILR40 permittees within whose reporting jurisdiction this project is located:

Village of Glenview, Village of Northbrook, Village of Northfield

M. The following is a list of receiving water(s) and the ultimate receiving water(s) for this site. In addition, include receiving waters that are listed as Biologically Significant Streams by the Illinois Department of Natural Resources (IDNR). The location of the receiving waters can be found on the erosion and sediment control plans:

Landwehr Road, Walters Avenue, and Sunset Ridge Road corridors are located within North Branch of the Chicago River watershed and Upper Salt Creek watershed. Ladmeier Road corridors are located within lower Des Plaines River watershed. Shoe Factory Road corridor is located within Poplar Creek watershed.

N. Describe areas of the site that are to be protected or remain undisturbed. These areas may include steep slopes (i.e., 1:3 or steeper), highly erodible soils, streams, stream buffers, specimen trees, natural vegetation, nature preserves, etc. Include any commitments or requirements to protect adjacent wetlands.

For any storm water discharges from construction activities within 50-feet of Waters of the U.S. (except for activities for water-dependent structures authorized by a Section 404 permit, describe: a) How a 50-foot undisturbed natural buffer will be provided between the construction activity and the Waters of the U.S. or b) How additional erosion and sediment controls will be provided within that area.

There are no areas within the project limits that are shown to remain undisturbed.

Through EcoCAT coordination IDNR indicated following requirements for work in proximity of Nature Preserve east of Wisconsin Central Ltd Railroad on corridor #20 Shoe Factory Road.

The project is adjacent to the Shoe Factory Road Prairie INAI and Nature Preserve. Plans and documents indicate all work is staying within right-of-way (ROW) along the border of the Nature Preserve. The Department recommends the following to avoid impacts to Shoe Factory Road Prairie Nature Preserve:

- No equipment should be stored within right-of-way.
- Parking and staging in areas adjacent to the Nature Preserve should also be avoided.
- Strict adherence to soil erosion and sediment control BMPs to prevent impacts to the Nature Preserve.
- Good housekeeping practices should be implemented and maintained during and after construction to prevent trash and other debris from inadvertently blowing or washing into nearby natural areas.
- Any required night lighting should follow International Dark-Sky Association's (IDA) Five Principles for Responsible Outdoor Lighting to minimize the effect of light pollution on wildlife: Five Principles for Responsible Outdoor Lighting | DarkSky International
- All equipment should be power washed off-site to remove exotic/invasive seed or propagules.

Woolly Milkweed

- The plant be searched for, flagged, and avoided if possible.
- If avoidance is not possible, please consider seed collection and planting, translocation, and surface soil conservation measures to help promote the continued existence of this plant in the area.
- State-listed plant species belong to the landowner and their fate resides with the landowner's conservation decisions. If take is unavoidable, express written permission from the landowner should be obtained to take listed plants to comply with the Illinois Endangered Species Protection Act.

Rusty Patched Bumble Bee

- Work which disturbs the ground or may remove flowering plants should be done between October 1st and April 1st to avoid potential impacts.
- If these dates cannot be accommodated, once the growing season begins, the project limits should be routinely mowed similar to typical lawn grass height (not more than 6 inches). The area should not be allowed to grow in excess of 6 inches after the initial mowing to prevent the return of floral resources. Mowing should continue throughout the growing season.
- If these mowing restrictions cannot be accommodated, a Rusty Patched Bumble Bee habitat assessment should be conducted by a qualified biologist. Factors to consider prior to conducting a site visit include time of year and how this affects the bee's life cycle, activity, and colony development. A habitat assessment proposal should be sent to the Department for concurrence on methods and results should be sent to the Department for final comment.

O. Per the Phase I document, the following sensitive environmental resources are associated with this project and may have the potential to be impacted by the proposed development. Further guidance on these resources is available in Section 41-4 of the BDE Manual.

- ☐ 303(d) Listed receiving waters for suspended solids, turbidity, or siltation.
The name(s) of the listed water body, and identification of all pollutants causing impairment:

Provide a description of how erosion and sediment control practices will prevent a discharge of sediment resulting from a storm event equal to or greater than a twenty-five (25) year, twenty-four (24) hour rainfall event:

Provide a description of the location(s) of direct discharge from the project site to the 303(d) water body:

Provide a description of the location(s) of any dewatering discharges to the MS4 and/or water body:

☐ Applicable Federal, Tribal, State, or Local Programs

☐ Floodplain

☐ Historic Preservation

☐ Receiving waters with Total Maximum Daily Load (TMDL) for sediment, total suspended solids, turbidity or siltation
TMDL (fill out this section if checked above)

The name(s) of the listed water body:

Provide a description of the erosion and sediment control strategy that will be incorporated into the site design that is consistent with the assumptions and requirements of the TMDL:

If a specific numeric waste load allocation has been established that would apply to the project's discharges, provide a description of the necessary steps to meet that allocation:

☐ Threatened and Endangered Species/Illinois Natural Areas (INAI)/Nature Preserves

☐ Other

☐ Wetland

P. The following pollutants of concern will be associated with this construction project:

☒ Antifreeze / Coolants

☒ Concrete

☒ Concrete Curing Compounds

☒ Concrete Truck Waste

☒ Fertilizers / Pesticides

☒ Paints

☒ Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids)

☒ Soil Sediment

☒ Solid Waste Debris

☒ Solvents

☒ Waste water from cleaning construction equipments

☐ Other (Specify) _____

☐ Other (Specify) _____

☐ Other (Specify) _____

☐ Other (Specify) _____

☐ Other (Specify) _____

II. Controls:

This section of the plan addresses the controls that will be implemented for each of the major construction activities described in Section I.C above and for all use areas, borrow sites, and waste sites. For each measure discussed, the Contractor will be responsible for its implementation as indicated. The Contractor shall provide to the Resident Engineer a plan for the implementation of the measures indicated. The Contractor, and subcontractors, will notify the Resident Engineer of any proposed changes, maintenance, or modifications to keep construction activities compliant with the Permit ILR10. Each such Contractor has signed the required certification on forms which are attached to, and are a part of, this plan:

A. Erosion and Sediment Controls: At a minimum, controls must be coordinated, installed and maintained to:

1. Minimize the amount of soil exposed during construction activity;
2. Minimize the disturbance of steep slopes;
3. Maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible;
4. Minimize soil compaction and, unless infeasible, preserve topsoil.

B. Stabilization Practices: Provided below is a description of interim and permanent stabilization practices, including site- specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices may include but are not limited to: temporary seeding, permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided below in II.B.1 and II.B.2, stabilization measures shall be initiated **immediately** where construction activities have temporarily or permanently ceased, but in no case more than **one (1) day** after the construction activity in that portion of the site has temporarily or permanently ceases on all disturbed portions of the site where construction will not occur for a period of fourteen (14) or more calendar days.

1. Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
2. On areas where construction activity has temporarily ceased and will resume after fourteen (14) days, a temporary stabilization method can be used.

The following stabilization practices will be used for this project:

☒ Erosion Control Blanket / Mulching	☐ Temporary Turf (Seeding, Class 7)
☐ Geotextiles	☐ Temporary Mulching
☒ Permanent Seeding	☐ Vegetated Buffer Strips
☐ Preservation of Mature Seeding	☐ Other (Specify) _____
☐ Protection of Trees	☐ Other (Specify) _____
☒ Sodding	☐ Other (Specify) _____
☒ Temporary Erosion Control Seeding	☐ Other (Specify) _____

Describe how the stabilization practices listed above will be utilized during construction:

Erosion Control Blanket – Temporary erosion control blanket shall be placed over all disturbed area that have been temporarily seeded or not brought to final grade. Erosion control blanket shall be placed over all areas that have received permanent seeding.

Temporary Erosion Control Seeding – This item shall be applied to all bare areas every seven days to minimize the amount of exposed surface area.

Describe how the stabilization practices listed above will be utilized after construction activities have been completed:

Permanent Seeding – Seeding shall be used to stabilize all disturbed areas shown on the landscape plans within 24 hours of final grading unless otherwise noted on the plans.

Sodding – Sodding shall be used to stabilize all disturbed parkway areas within 24 hours of final grading unless otherwise noted on the plans.

C. Structural Practices: Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include but are not limited to: perimeter erosion barrier, earth dikes, drainage swales, sediment traps, ditch checks, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. The installation of these devices may be subject to Section 404 of the Clean Water Act.

☐ Aggregate Ditch	☐ Stabilized Construction Exits
☐ Concrete Revetment Mats	☐ Stabilized Trench Flow
☐ Dust Suppression	☐ Slope Mattress
☐ Dewatering Filtering	☐ Slope Walls
☐ Gabions	☐ Temporary Ditch Check
☐ In-Stream or Wetland Work	☐ Temporary Pipe Slope Drain
☐ Level Spreaders	☐ Temporary Sediment Basin
☐ Paved Ditch	☐ Temporary Stream Crossing
☐ Permanent Check Dams	☐ Turf Reinforcement Mats
☒ Perimeter Erosion Barrier	☐ Other (Specify) _____
☐ Permanent Sediment Basin	☐ Other (Specify) _____
☐ Retaining Walls	☐ Other (Specify) _____
☐ Riprap	☐ Other (Specify) _____
☐ Rock Outlet Protection	☐ Other (Specify) _____
☐ Sediment Trap	☐ Other (Specify) _____
☒ Storm Drain Inlet Protection	☐ Other (Specify) _____

Describe how the structural practices listed above will be utilized during construction:

Perimeter Erosion Barrier – A silt fence will be placed adjacent to areas of construction to intercept waterborne silt and prevent it from leaving the site. These areas are indicated on the erosion control plans. This measure will be in place and functioning prior to any ground breaking.

Storm Drain Inlet Protection – Inlet filters will be placed on all open lid structures in paved areas. These items will collect sediment during construction and will be cleaned on a regular basis.

Describe how the structural practices listed above will be utilized after construction activities have been completed:

D. Treatment Chemicals

Will polymer flocculants or treatment chemicals be utilized on this project: ☐ Yes ☒ No

If yes above, identify where and how polymer flocculants or treatment chemicals will be utilized on this project.

E. Permanent (i.e., Post-Construction) Storm Water Management Controls: Provided below is a description of measures that will be installed during the construction process to control volume and pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

- Such practices may include but are not limited to: storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff on site, and sequential systems (which combine several practices).

The practices selected for implementation were determined based on the technical guidance in Chapter 41 (Construction Site Storm Water Pollution Control) of the IDOT BDE Manual. If practices other than those discussed in Chapter 41 are selected for implementation or if practices are applied to situations different from those covered in Chapter 41, the technical basis for such decisions will be explained below.

- Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a

non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

Description of permanent storm water management controls:

F. Approved State or Local Laws: The management practices, controls and provisions contained in this plan will be in accordance with IDOT specifications, which are at least as protective as the requirements contained in the IEPA's Illinois Urban Manual. Procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials shall be described or incorporated by reference in the space provided below. Requirements specified in sediment and erosion site plans, site permits, storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI, to be authorized to discharge under the Permit ILR10 incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

Description of procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials:

All management practices, control, and other provisions provided in this plan are in accordance with the "IDOT Standard Specifications for Road and Bridge Construction" and the "Illinois Urban Manual".

G. Contractor Required Submittals: Prior to conducting any professional services at the site covered by this plan, the Contractor and each subcontractor responsible for compliance with the permit shall submit to the Resident Engineer a Contractor Certification Statement, BDE 2342A.

1. The Contractor shall provide a construction schedule containing an adequate level of detail to show major activities with implementation of pollution prevention BMPs, including the following items:

- Approximate duration of the project, including each stage of the project
- Rainy season, dry season, and winter shutdown dates
- Temporary stabilization measures to be employed by contract phases
- Mobilization time-frame
- Mass clearing and grubbing/roadside clearing dates
- Deployment of Erosion Control Practices
- Deployment of Sediment Control Practices (including stabilized cons
- Deployment of Construction Site Management Practices (including concrete washout facilities, chemical storage, refueling locations, etc.)
- Paving, saw-cutting, and any other pavement related operations
- Major planned stockpiling operation
- Time frame for other significant long-term operations or activities that may plan non-storm water discharges as dewatering, grinding, etc
- Permanent stabilization activities for each area of the project

2. During the pre-construction meeting, the Contractor and each subcontractor shall provide, as an attachment to their signed Contractor Certification Statement, a discussion of how they will comply with the requirements of the permit in regard to the following items and provide a graphical representation showing location and type of BMPs to be used when applicable:

- Temporary Ditch Checks - Identify what type and the source of Temporary Ditch Checks that will be installed as part of the project. The installation details will then be included with the SWPPP.
- Vehicle Entrances and Exits - Identify type and location of stabilized construction entrances and exits to be used and how they will be maintained.
- Material Delivery, Storage and Use - Discuss where and how materials including chemicals, concrete curing compounds, petroleum products, etc. will be stored for this project.
- Stockpile Management - Identify the location of both on-site and off-site stockpiles. Discuss what BMPs will be used to prevent pollution of storm water from stockpiles.
- Waste Disposal - Discuss methods of waste disposal that will be used for this project.
- Spill Prevention and Control - Discuss steps that will be taken in the event of a material spill (chemicals, concrete curing compounds, petroleum, etc.)
- Concrete Residuals and Washout Wastes - Discuss the location and type of concrete washout facilities to be used on this project and how they will be signed and maintained.
- Litter Management - Discuss how litter will be maintained for this project (education of employees, number of dumpsters, frequency of dumpster pick-up, etc.).
- Vehicle and Equipment Fueling - Identify equipment fueling locations for this project and what BMPs will be used to ensure containment and spill prevention.
- Vehicle and Equipment Cleaning and Maintenance - Identify where equipment cleaning and maintenance locations for this project and what BMPs will be used to ensure containment and spill prevention.

- Dewatering Activities - Identify the controls which will be used during dewatering operations to ensure sediments will not leave the construction site.
- Polymer Flocculants and Treatment Chemicals - Identify the use and dosage of treatment chemicals and provide the Resident Engineer with Material Safety Data Sheets. Describe procedures on how the chemicals will be used and identify who will be responsible for the use and application of these chemicals. The selected individual must be trained on the established procedures.
- Additional measures indicated in the plan.

III. Maintenance:

When requested by the Contractor, the Resident Engineer will provide general maintenance guides (e.g., IDOT Erosion and Sediment Control Field Guide) to the Contractor for the practices associated with this project. Describe how all items will be checked for structural integrity, sediment accumulation and functionality. Any damage or undermining shall be repaired immediately. Provide specifics on how repairs will be made. The following additional procedures will be used to maintain, in good and effective operating conditions, the vegetation, erosion and sediment control measures and other protective measures identified in this plan. It will be the Contractor's responsibility to attain maintenance guidelines for any manufactured BMPs which are to be installed and maintained per manufacture's specifications.

Inlet Filters – Sediment will be removed on a regular basis and filter bags replaced if they become damaged.

Perimeter Erosion Barrier – Sediment will be removed if the integrity of the fencing is in jeopardy and any fencing kicked down will be repaired immediately.

IV. Inspections:

Qualified personnel shall inspect disturbed areas of the construction site including Borrow, Waste, and Use Areas, which have not yet been finally stabilized, structural control measures, and locations where vehicles and equipment enter and exit the site using IDOT Storm Water Pollution Prevention Plan Erosion Control Inspection Report, BC 2259. Such inspections shall be conducted at least once every seven (7) calendar days and within twenty-four (24) hours of the end of a storm or by the end of the following business or work day that is 0.5 inch or greater or equivalent snowfall.

Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections will recommence when construction activities are conducted, or if there is 0.5" or greater rain event, or a discharge due to snowmelt occurs.

If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer shall notify the appropriate IEPA Field Operations Section office by email at: epa.swnoncomp@illinois.gov, telephone or fax within twenty-four (24) hours of the incident. The Resident Engineer shall then complete and submit an "Incidence of Non-Compliance" (ION) report for the identified violation within five (5) days of the incident. The Resident Engineer shall use forms provided by IEPA and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of non-compliance shall be signed by a responsible authority in accordance with Part VI. G of the Permit ILR10.

The Incidence of Non-Compliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, Illinois 62794-9276

V. Failure to Comply:

Failure to comply with any provisions of this Storm Water Pollution Prevention Plan will result in the implementation of a National Pollutant Discharge Elimination System/Erosion and Sediment Control Deficiency Deduction against the Contractor and/or penalties under the Permit ILR10 which could be passed on to the Contractor.



Contractor Certification Statement



Prior to conducting any professional services at the site covered by this contract, the Contractor and every subcontractor must complete and return to the Resident Engineer the following certification. A separate certification must be submitted by each firm. Attach to this certification all items required by Section II.G of the Storm Water Pollution Prevention Plan (SWPPP) which will be handled by the Contractor/subcontractor completing this form.

Route	Marked Route	Section Number
Various Routes	W80, A72, A68, A62, and W34	22-PRPN1-00-PV
Project Number	County	Contract Number
	Cook	

This certification statement is a part of SWPPP for the project described above, in accordance with the General NPDES Permit No. ILR10 issued by the Illinois Environmental Protection Agency.

I certify under penalty of law that I understand the terms of the Permit No. ILR 10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Additionally, I have read and understand all of the information and requirements stated in SWPPP for the above mentioned project; I have received copies of all appropriate maintenance procedures; and, I have provided all documentation required to be in compliance with the Permit ILR10 and SWPPP and will provide timely updates to these documents as necessary.

- ☐ Contractor
☐ Sub-Contractor

Signature	Date		
Print Name	Title		
Name of Firm	Phone		
Street Address	City	State	Zip Code

Items which this Contractor/subcontractor will be responsible for as required in Section II.G. of SWPPP

SPECIAL PROVISION FOR TRAFFIC PROTECTION

Effective: 07/01/12

Revised: 04/26/19 (Reorganized special provision, clarified items included/excluded in Basis of Payment)

Revised: 8/22/19 (Added note specifying Pavement Marking Type, Type IV for temporary markings on finished pavement.)

Traffic Protection shall meet the requirements of Division 700 Work Zone Traffic Control and Protection, Signing, and Pavement Marking of the Standard Specifications except as follows:

Replace Article 701.01 Description with the following:

Description. This item of work shall include furnishing, installing, maintaining, replacing, relocating and removing all Traffic Control Devices used for the purpose of regulating, warning or directing traffic and pedestrians and protecting workers during the construction or maintenance of this improvement.

Traffic protection shall be provided as called for in the plans, these Special Provisions, applicable Traffic Control Highway Standards, applicable sections of the Standard Specifications, or as directed by the Engineer.

The governing factor in the execution and staging of work for this project is to provide the motoring public with the safest possible travel conditions along the roadway through or around the construction zone. The Contractor shall arrange his operations to keep the closing of any lane of the roadway to a minimum. Where the traffic of any building in the area of the proposed improvement is of an emergency nature, such as Hospital, Fire or Police Station traffic, the Contractor shall provide for free movement of such traffic during the course of construction.

Replace Article 701.02 Materials and 701.03 Equipment with the following:

Traffic Control Devices shall include, and be according to, the following:

Item	Article/Section
Signs	1106.01
Sign Posts, Metal.....	1006.29
Sign Posts, Telescoping	1093.01
Sign Posts, Wood	1007.05
Pavement Marking Tape.....	1095.06
Temporary Pavement Marking	1095.02
Temporary Raised Reflective Pavement Markers	1096.02
Flagger Traffic Control Paddle.....	1106.01
Warning Lights.....	1106.02
Cones	1106.02

Type I, II, and III Barricades.....	1106.02
Vertical Barricades	1106.02
Vertical Panels.....	1106.02
Direction Indicator Barricades.....	1106.02
Drums.....	1106.02
Flexible Delineators	1106.02
Truck Mounted/Trailer Mounted Attenuators	1106.02
Arrow Boards.....	1106.02
Portable Changeable Message Signs.....	1106.02
Sign Trailers	1106.02
Temporary Rumble Strips.....	1106.03
Detectable Pedestrian Channelizing Barricade	1106.02(k)
Flaggers	701.13
Vertical panels and lights (for use on temporary concrete barrier walls).....	1106.01/1106.02
Prismatic barrier reflectors.....	1097
Temporary Information Signs	1106.01

Replace Article 701.10 Surveillance with the following:

The Contractor is required to conduct routine inspections of the worksite at a frequency that will allow for the prompt replacement of all Traffic Control Devices that have become displaced, worn or damaged to the extent that they no longer conform to the shape, dimensions, color and operational requirements of the "Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), the Traffic Control Standards and the "Quality Standard for Work Zone Traffic Control Devices" issued by the Illinois Department of Transportation or will no longer present a neat appearance to motorists. A sufficient quantity of replacement devices, based on vulnerability to damage, shall be readily available to meet this requirement.

The Contractor shall ensure that all Traffic Control Devices installed by him/her are functional and effective 24 hours each day.

The Contractor shall provide a telephone number where a responsible individual can be contacted on a 24-hour-a-day basis to receive notification of any deficiencies regarding traffic control and protection. The Contractor shall dispatch workers, materials and equipment to correct any such deficiencies. The Contractor shall respond to any call from the Department concerning any request for improving or correcting traffic control devices and begin making the requested repairs within two hours from the time of notification.

Modify Article 701.04 General by adding the following

The Contractor shall be responsible for the proper location, installation and arrangement of all Traffic Control Devices. Special attention shall be given to advance warning signs during construction operations in order to keep lane assignment consistent with barricade placement at all times. The Contractor shall immediately remove, cover or turn from the view of the motorists all Traffic Control Devices which are inconsistent with detour or lane assignment patterns and conflicting conditions during the transition from one construction stage to another. When the

Contractor elects to cover conflicting or inappropriate signing, materials used shall totally block out reflectivity of the sign and shall cover the entire sign. The method used for covering the signing shall meet with the approval of the Engineer.

The Contractor shall coordinate all traffic control work on this project with adjoining or overlapping projects, including barricade placement necessary to provide a uniform traffic detour pattern. When directed by the Engineer, the Contractor shall remove all Traffic Control Devices which were furnished, installed and maintained by him/her under this contract, and such devices shall remain the property of the Contractor. All Traffic Control Devices shall remain in place until specific authorization for relocation or removal is received from the Engineer.

Personal vehicles shall not park within the right-of-way except in specific areas designated by the Engineer.

The Contractor shall maintain at least one lane of traffic at all times on two lane roads and at least one lane in each direction on 4 or more lane roads, during the construction of this project. The Contractor shall also maintain areas to entrances and side roads along the proposed improvement. Interference with traffic movements and inconvenience to owners of abutting property and the public shall be kept to a minimum. Any delays or inconveniences caused to the Contractor by complying with these requirements shall be considered as incidental to the contract, and no additional compensation will be allowed.

On two lane roads, the Contractor is to plan the work so that there will be no open holes in the pavement and that all barricades will be removed from the pavement during non-work hours.

On four or more lane highways, there shall be no open holes in the pavement being used by the traveling public. Lane closures, if allowed, will be in accordance with the applicable standards, any staging details shown in the plans and other applicable contract documents.

The Contractor shall remove all equipment from the shoulders and medians after work hours.

No road closures or restrictions shall be permitted except those covered by the Traffic Control Highway Standards without written approval by the Engineer.

When traveling in lanes open to public traffic, the Contractor's vehicles shall always move with and not against or across the flow of traffic. These vehicles shall enter or leave work areas in a manner which will not be hazardous to, nor interfere with, traffic.

Modify Article 701.14 Signs by deleting the first paragraph and replacing with the following:

All signs except those referring to daily lane closures shall be post mounted in accordance with Standard 701901 for all projects that exceed four days.

Modify Article 701.14 Signs by adding the following:

Construction signs referring to daytime lane closures during working hours shall be removed, covered or turned away from the view of the motorists during non-working hours.

Prior to the beginning of construction operations, the Contractor will be provided a sign log of all existing signs within the limits of the construction zone. The Contractor is responsible for verifying the accuracy of the sign log. Throughout the duration of this project, all existing traffic signs shall be maintained by the Contractor. All provisions of Article 107.25 of the Standard Specifications shall apply except the third paragraph shall be revised to read: "The Contractor shall maintain, furnish and replace at his own expense, any traffic sign, or post which has been damaged or lost by the Contractor or a third party".

"Fresh Oil" signs (W21-2(O)) shall be used when prime is applied to pavement that is open to traffic. The signs are to remain until tracking of the prime ceases. The sign shall be erected a minimum of 500 feet preceding the start of the prime and on all side roads within the posted area. The "Fresh Oil" sign on the side road shall be posted a minimum of 200 feet from the mainline pavement.

"Rough Grooved Surface" signs (W8-1107(O)) shall be used when the road has been cold milled and open to traffic. The signs shall remain in place until the milled surface condition no longer exists. These signs shall be erected a minimum of 500 feet preceding the start of the milled pavement and on all side roads within the posted area. The "Rough Grooved Surface" signs on the side roads shall be posted 200 feet from the mainline pavement. All signs shall have an 18" x 18" orange flag and amber flashing light attached.

Whenever a lane is closed to traffic using Standard 701606, 701601, or 701701, the pavement width transition sign (W4-2R(O) or W4-2L(O)) shall be used in lieu of "Workers" sign (W21-1(O) or W21-1a(O)).

Whenever any vehicle, equipment, workers or their activities infringe on the shoulder or within 15 feet of the traveled way and the traveled way remains unobstructed, then the applicable Traffic Control Standard shall be 701006, 701011, 701101, or 701701. "Shoulder Work Ahead" sign (W21-5(O)-48) shall be used in lieu of the "Workers" sign (W21-1(O) or W-21-1a(O)).

The Contractor shall provide and erect any other signs that are required for traffic safety operations and the conveyance of traffic information to the motorist, which may not be included in the Traffic Control Standards. The requirement for these signs shall be determined by and installed at the direction of the Engineer.

All temporary information signing shown on the IDOT District One standards included in the plans shall be included in the cost of TRAFFIC PROTECTION.

Add the following to Article 701.15 Traffic Control Devices (b) Type I, II and III Barricades:

The Contractor shall install, maintain and remove necessary signs and barricades needed to direct pedestrians to usable sidewalks and walkways during the construction in accordance with Traffic Control Standard 701801 or as directed by the Engineer. The Contractor shall make adequate provision for the free passage of foot traffic at all intersecting streets which are to remain open to traffic. The materials or equipment used in the construction of this improvement shall be so placed as to afford access to abutting private property and to all hydrants and valves with a minimum of inconvenience.

All barricades shall be Type I or II equipped with flashing lights. At each point of closure, sufficient numbers of barricades shall be used to completely close the sidewalk to pedestrian movement. Where construction activities involve sidewalks on both sides of the street, the work shall be staged so that both sidewalks are not out of service at the same time.

Add the following to Article 701.15 Traffic Control Devices (i) Arrow Boards:

A flashing arrow board shall be operating at all times when a lane is closed to traffic on a multilane highway. Arrow boards shall be provided and located in a head-on position within each lane closure taper.

Add the following to Article 701.15 Traffic Control Devices:

(m) Temporary Concrete Barrier Vertical Panels and Lights. Whenever temporary concrete barrier is specified in the plans, vertical panels and steady burning lights meeting the requirement of Articles 1106.01 and 1106.02 of the Standard Specifications and Standard 701901 shall be installed on the barrier at 50 foot centers minimum or at the spacing shown on the plans. The method of mounting shall be approved by the Engineer. Upon conclusion of the work, the panels and lights shall be removed and shall remain the property of the Contractor.

Add the following Article - Pavement Markings:

Temporary pavement marking paint used on temporary or unfinished surfaces shall be maintained to the highest degree of visibility and reflectivity and on long term projects shall be repainted when the temporary pavement marking shows signs of deterioration or at a minimum of every three (3) months and as directed by the Engineer at no additional cost and is considered as incidental to the cost of TRAFFIC PROTECTION. Only Pavement Marking Tape Type IV shall be allowed on finished pavement.

Temporary pavement marking shall be applied as solid unbroken lines when used to delineate any pavement transition, turn lane transition and storage bay. Double yellow centerline shall be used across a bridge deck where the distance to be marked is less than 160 feet.

Temporary raised reflective bi-directional (amber) pavement markers (Section 781 and Article 1096.02 of the Standard Specifications) shall be used, and replaced when required, throughout a temporary by-pass detour pavement at no additional cost.

Revise the Seventh paragraph of Article 107.09 Public Convenience and Safety to read as follows:

The following vertical and horizontal restrictions shall pertain to roads as defined in the Illinois Highway Code, Article 2, Division 1, Section 2-101, 2-102, and 2-103 when construction is being performed with the road open to traffic.

Add the following after the first paragraph of this Article 107.15 Dirt on Pavement or Structures:

When ordered by the Engineer, the Contractor shall use some method to allay dust and prevent a nuisance. This shall be done preferably by sprinkling the Subgrade or the portion of pavement used by trucks or busses with water. If conditions warrant, this shall receive constant attention by the Contractor. Calcium Chloride shall not be used for this purpose. No extra compensation shall be allowed the Contractor for this work.

Delete Article 701.19 Method of Measurement and replace with the following:

Method of Measurement. These items of work will be measured on a lump sum basis for furnishing, installing, maintaining, replacing, relocating, and removing the Traffic Control Devices (as defined in this special provision) required in the plans and these special provisions.

Delete Article 701.20 Basis of Payment and replace with the following:

Basis of Payment. This work will be paid for at the lump sum price for TRAFFIC PROTECTION, which price shall be payment in full for all labor, materials, transportation, handling and incidentals necessary to furnish, install, maintain, replace, relocate and remove all Traffic Control Devices (as defined in this special provision) indicated in the plans and specification, except for the following items, which will be paid for separately:

- 1) Temporary Bridge Traffic Signals
- 2) Temporary concrete barrier wall
- 3) Temporary impact attenuators
- 4) Temporary bridge rail
- 5) Temporary rumble strips
- 6) Changeable Message Sign
- 7) Removal of existing pavement markings and raised reflective pavement marks.

The salvage value of all material removed (including existing traffic signs - when removal is required) shall be reflected in the bid price for this item.

Delays to the Contractor caused by complying with these requirements will be considered included in the pay item TRAFFIC PROTECTION, and no additional compensation will be allowed.

Payment Adjustments. The Engineer may require additional traffic control to be installed in accordance with standards and/or designs other than those included in the plans. In such cases, the standards and/or designs will be made available to the Contractor at least one week in advance of the change in traffic control. Payment for any additional traffic control required will be in accordance with Article 109.04 of the Standard Specifications.

Revisions in the phasing of construction or maintenance operations, requested by the Contractor, may require traffic control to be installed in accordance with standards and/or designs other than those included in the plans. Revisions or modifications to the traffic control shown in the contract shall be submitted by the Contractor for approval by the Engineer. No additional payment will be made for a Contractor requested modification.

In the event the sum total value of all the work items for which traffic protection is required is increased or decreased by more than ten percent (10%), the contract bid price for TRAFFIC PROTECTION will be adjusted as follows:

$$\text{Adjust contract price} = .25P + .75P [1 \pm (X-0.1)]$$

Where "P" is the contract price for TRAFFIC PROTECTION

Where "X" = (Difference between original and final sum total value of all the work items for which protection is required) divided by (Original sum total value of all work items for which traffic protection is required)

The value of work items used in calculating the increase or decrease will include only items which have been added to or deducted from the contract under Article 104.02 of the Standard Specifications and only items which require use of TRAFFIC PROTECTION.

In the event the Department cancels or alters any portion of the contract which results in elimination or noncompletion of any portion of the work, payment for partially completed work will be made in accordance with Article 109.06 of the Standard Specifications.

SPECIAL PROVISION FOR RECESSED REFLECTIVE PAVEMENT MARKER (HMA)

Effective: 2/8/2021

Description. This work shall consist of installing reflective pavement markers in a recessed groove on hot-mix asphalt (HMA) pavement surfaces. A pavement marker consists of a reflector housing (“housing”) and a prismatic reflector (“reflector”). Recessed reflective pavement markers shall not be placed in Portland cement concrete pavement or placed on bridges or bridge approach slabs.

Materials. Materials shall conform to Article 1096.01 of the *Standard Specifications for Road and Bridge Construction* with the following exceptions:

Replace paragraph 1096.01(a) with the following:

(a) The housing shall be made of polycarbonate plastic and be compatible with prismatic reflectors listed on the Illinois Department of Transportation approved/qualified product list of snowplowable raised pavement markers. The housing shall have detachable leveling tabs that ensure the housing and reflector sit below the pavement surface.

Replace paragraph 1096.01(b) with the following:

(b) The housing shall be approximately 5.0 inches wide, 3.0 inches long, and 0.70 inches high. The surface of the housing shall be free of scale, dirt, rust, oil, grease, or any other contaminant which may reduce bond.

Construction Requirements. Spacing and orientation of the pavement marker shall be as shown on the plans or as directed by the Engineer.

The pavement surface temperature and the ambient air temperature shall be at or above 50 °F (10 °C) at the time of application of the prismatic reflector.

A recessed groove shall be cut in the pavement 5.25 inches wide, 1.0 inches deep on a 15.5-inch diameter. An additional 3.5-foot-long grind taper shall start from 0 inches (normal pavement) to 0.35 inches depth (full-recessed) on either end of the groove. For monodirectional marker installations heading uphill, the uphill grind taper may be omitted.

The recessed area shall be cleaned free of all loose material, and dry before the placement of the housing. All excess material resulting from the construction of the recessed area shall be completely removed from the surface of the roadway by means of vacuum sweeper truck. The housing shall be cemented with epoxy in the center of the 1.0-inch-deep recessed groove. The epoxy used shall meet the requirements of AASHTO M 237 specification for epoxy adhesive.

The Contractor shall make certain the housing surface is dry and free of dirt and debris prior to placing the reflector in the housing. The reflector shall be laminated to an elastomeric pad and adhesively attached to the housing. The protective paper or plastic film covering the adhesive pad shall be removed immediately prior to placing the reflector on the housing. Once the film covering is removed, extreme care shall be taken to avoid contamination of the exposed pad surface. An adhesive meeting the marker manufacturer's

specifications shall be used. The adhesive shall be placed either on the reflector or on the housing in sufficient quantity so as to ensure complete coverage of the contact area with no voids present and with a slight excess after the reflector is pressed in place. Adhesive material shall not be permitted on the reflective surface of the prismatic reflector.

- (a) Replacement Recessed Pavement Marker Housing (HMA): The recessed area shall be cleaned free of all loose material and old epoxy, and dry before the placement of the replacement housing in the existing groove. All excess material resulting from the removal of the old epoxy shall be completely removed from the surface of the roadway by means of vacuum sweeper truck. The housing shall be cemented with epoxy in the center of the 1.0-inch-deep recessed groove. The epoxy used shall meet the requirements of AASHTO M 237 specification for epoxy adhesive.
- (b) Replacement Recessed Pavement Marker Reflector (HMA): The Contractor shall make certain the housing surface is dry and free of dirt, debris, and old adhesives prior to placing the reflector in the housing. The reflector shall be laminated to an elastomeric pad and adhesively attached to the housing. The protective paper or plastic film covering the adhesive pad shall be removed immediately prior to placing the reflector on the housing. Once the film covering is removed, extreme care shall be taken to avoid contamination of the exposed pad surface. An adhesive meeting the marker manufacturer's specifications shall be used. The adhesive shall be placed either on the reflector or on the housing in sufficient quantity so as to ensure complete coverage of the contact area with no voids present and with a slight excess after the reflector is pressed in place. Adhesive material shall not be permitted on the reflective surface of the prismatic reflector.

Inspection. A straight edge shall be placed across the recess to check that both the housing and reflector are below the pavement surface. Inspection and acceptance shall conform to Article 781.04 of the *Standard Specifications for Road and Bridge Construction* except as follows: all references of "raised reflective pavement marker" shall be replaced with "recessed reflective pavement marker".

Basis of Payment. This work shall be paid for at the contract unit price per EACH for RECESSED REFLECTIVE PAVEMENT MARKER (HMA), REPLACEMENT RECESSED PAVEMENT MARKER HOUSING (HMA), REPLACEMENT RECESSED PAVEMENT MARKER REFLECTOR (HMA).

SPECIAL PROVISION FOR TRAFFIC SIGNAL WORK GENERAL

Effective: 01/01/18

Revised: 5/1/21 (Revised Phone Number)

All work and equipment performed and installed under this contract, shall be governed and shall comply to the State of Illinois "Standard Specifications for Road and Bridge Construction" latest edition, herein referred to as the Standard Specifications and the "District One Standard Design Details"; the State of Illinois "Manual on Uniform Traffic Control Devices for Streets and Highways", latest edition; the "National Electrical Code" latest edition herein referred to as the NEC; the National Electrical Manufacturers Association, herein referred to as NEMA (all publications for traffic control items) latest editions; the International Municipal Signal Association, herein referred to as IMSA "Official Wire & Cable Specifications Manual" latest edition; the Institute of Transportation Engineers, herein referred to as the ITE, Technical Report No.1, "A Standard for Adjustable Face Vehicular Traffic Control Heads"; AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals" and the "Supplemental Specifications" and "Recurring Special Provisions" noted herein.

The following Special Provisions supplement the above specifications, manuals, and code. The intent of these Special Provisions is to prescribe the materials and construction methods commonly used for traffic signal installations. All material furnished shall be new unless otherwise noted herein. The locations and the details of all installations shall be as indicated on the Plans or as directed by the Engineer. Traffic signal construction and maintenance work shall be performed by personnel holding IMSA Traffic Signal Technician Level II certification. The work to be done under this contract consists of furnishing and installing all traffic signal work as specified in the Plans and as specified herein in a manner acceptable and approved by the Engineer. In case of conflict with any part or parts of said documents, these Special Provisions shall take precedence and shall govern.

In order to reduce possible vehicular conflicts with fixed objects and avoid public criticism, it is necessary to require that no posts, poles, heads, or controller cabinets be installed until all traffic signal control equipment is brought to and located on the job site.

The construction, installation and/or removal work shall be accomplished at all the intersections within the limits of this project or as shown in the plans.

Description of Work. The work to be done under this contract consists of furnishing and installing all traffic signal work as specified on the Plans and as specified herein in a manner acceptable and approved by the Engineer.

Control of Traffic Signal Materials.

All work shall meet the requirements of the "Standard Specifications for Road and Bridge Construction", except as follows:

The controller and all control equipment shall be of a manufacturer that is approved by this Department. All equipment shall have a representative and shop located in the six (6) county Chicago areas. All equipment installed in the controller cabinet shall be from a single supplier. The supplier shall be responsible for service and support for this equipment.

The intent of this Section is to prescribe the materials and construction methods commonly used for traffic signal installations. All material furnished shall be new unless otherwise noted herein. Traffic materials and equipment shall bear the U.L. label whenever such labeling is available.

All iron and steel products, which are to be incorporated into work shall be domestically manufactured or produced and fabricated. The contractor shall obtain from the iron or steel producer and/or fabricator, in addition to the mill analysis, a certification that all iron or steel materials meet these domestic source requirements.

The application of all coatings, epoxy, galvanizing, painting, etc., to metal products shall be domestically applied.

Metal material other than iron and steel, which are not domestically produced, may be accepted provided:

- (a) The contractor notifies the Department in advance of his/her intention to use other than domestically manufactured or produced material.
- (b) Written evidence is provided in English of compliance with all requirements of the specifications.
- (c) Physical tests conducted by the department verify the acceptability of the material.

Before any signal equipment, including mast arm assemblies, poles, controller cabinets, all control equipment and signal heads, are delivered to the job site, the Contractor shall obtain and forward to the Engineer a certified, notarized statement from the manufacturer, containing the catalog numbers of the equipment and/or material, guaranteeing that the equipment and/or material, after manufacture, comply in all respects with the requirements of the Specifications and these Special Provisions.

All material approval requests shall be within thirty (30) consecutive calendar days after the Contract is awarded, or at the pre-construction meeting, whichever is first. A list of major traffic signal items can be found in Article 801.05. Material or equipment which is similar or identical shall be the product of the same manufacturer, unless necessary for system continuity. Traffic signal materials and equipment shall bear the U.L. label whenever such labeling is available.

All cost of work and materials required to comply with the above requirements shall be included in the pay item bid prices, under which the subject materials and signal equipment are paid, and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements that have been installed on the job will be done at the Contractor's own risk and may be subject to removal and disposal at the Contractor's expense.

The Contractor must submit the following for approval by the Engineer:

- Four (4) complete set of manufacturer's descriptive literature, drawings, and specifications of the traffic signal equipment, handholes, junction box, cable, conduit and all associated items that will be installed on the contract. If the literature contains more than one item, the Contractor shall indicate which item or items will be furnished.
- Partial or incomplete submittal will be returned without review.

- The contractor shall supply samples of all wire and cable, and shall make up and supply samples of each type of cable splice proposed for use in the work for the-Engineer's approval.
- Seven (7) complete shop drawings of the mast arm assemblies and poles including combination mast arm poles are required, showing in detail the fabrication, anchor bolts, reinforcing materials, design material, thickness of sections and weld sizes. These drawing shall be approved by IDOT at least 11" x 17" (275mm x 425mm) in size and adequate quality for microfilming.
- Certain non-standard mast arm poles and assemblies will require additional review. The Contractor shall account for additional review time in their schedule.
- Seven (7) copies of a letter from the Traffic Signal Contractor on company letterhead listing contract number or permit number, project location limits, pay item number and description and listing the manufacturer's name and model numbers of the proposed equipment to be supplied and stating that the proposed equipment meets all Contract requirements. The letter will be reviewed by the Engineer to determine whether the equipment to be used is approvable. The letters will be stamped as approved or not approved accordingly and returned to the Contractor.
- Five (5) copies of a letter from the Traffic Signal Contractor listing the System Coordination and Timing (SCAT) consultant's name shall be supplied. The letter will be reviewed by the Engineer to determine whether the SCAT consultant to be used is approved. The letters will be stamped as approved or not approved accordingly and returned to the Contractor.
- Where certifications and/or warranties are specified. The information submitted for approval shall include certifications and warranties. Certifications involving inspections and/or tests of material shall be complete with all test data, dates and times.
- All above shall be stamped with the Section Number, Permit Number, or Contract Number and Intersection(s) name(s). Pay item numbers shall also be included. If the above required information is not on each sheet of the above literature or letters, the equipment and material cuts will not be reviewed and shall be returned to the Contractor.
- All submitted items reviewed and marked 'APPROVED AS SUBMITTED', 'APPROVED AS NOTED', 'DISAPPROVED', 'INCOMPLETE' or 'NOT REVIEW' are to be resubmitted in their entirety, unless otherwise indicated within the submittal comments, with a disposition of previous comments to verify contract compliance at no additional cost to the contract.
- Exceptions, Deviations and Substitutions. In general, exceptions to and deviations from the requirements of the Contract Documents will not be allowed. It is the Contractor's responsibility to note any deviations from Contract requirements at the time of submittal and to make any requests for deviations in writing to the Engineer. In general, substitutions will not be acceptable. Requests for substitutions must demonstrate that the proposed substitution is superior to the material or equipment required by the Contract Documents. No exceptions, deviations or substitutions will be permitted without the approval of the Engineer.
- After the engineer reviews the submittals for conformance with the design concept of the project, the Engineer will stamp the drawings indicating their status. The Engineer's review is for conformance with

design concept only. It is the Contractor's responsibility to coordinate the various items into a working system as specified. The Contractor shall not be relieved from responsibility for errors or omissions in the shop working, layout drawings, or other documents by the Departments approval thereof. The Contractor must be in full compliance with contract and specification requirements.

- Contractor shall not order major equipment such as mast arm assemblies prior to Engineer approval of the Contractor marked proposed traffic signal equipment locations to assure proper placement of contract required traffic signal displays, push buttons and other facilities. Field adjustments may require changes in proposed mast arm length and other coordination.

Marking Proposed Locations.

Revise the following to Article 801.09 of the Standard Specifications:

Revise "Marking Proposed Locations for Highway Lighting System" to read "Marking Proposed Locations for Highway Lighting System and Traffic Signals."

It shall be the contractor's responsibility to verify all dimensions and conditions existing in the field prior to ordering materials and beginning construction. This shall include locating the mast arm foundations and verifying the mast arms lengths.

Maintenance and Responsibility.

Revise Article 801.11 to read as follows.

- Existing traffic signal installations and/or any electrical facilities at all or various locations may be altered or reconstructed totally or partially as part of the work on this Contract. The Contractor is hereby advised that all traffic control equipment, presently installed at these locations, may be the property of the State of Illinois, Department of Transportation, Division of Highways, Cook County Highway Department, Private Developer, or the Municipality in which they are located. Once the Contractor has begun any work on any portion of the project all traffic signals within the limits of this contract or those which have the item "Maintenance of Existing Traffic Signal Installation", "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation", shall become the full responsibility of the Contractor. Automatic Traffic Enforcement equipment is not owned by the County and the Contractor shall not be responsible for maintaining it during construction. The Contractor shall supply the engineer and the Department's Electrical Maintenance Contractor a 24-hour emergency contact name and telephone number.
- When the project has a pay item for "Maintenance of Existing Traffic Signal Installation", "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation", the Contractor must notify both the Design Engineer at (312) 603-1734 and the Department's Electrical Maintenance Contractor, of their intent to begin any physical construction work on the Contract or any portion thereof. This notification must be made a minimum of seven (7) working days prior to the start of construction to allow sufficient time for inspection of the existing traffic signal installation(s) and transfer of maintenance to the Contractor. If work is started prior to an inspection, maintenance of the traffic signal installation(s) will be transferred to the Contractor without an inspection. The Contractor will become responsible for repairing or replacing all equipment that is not operating properly or is damaged at no cost to the owner of the traffic signal. Final repairs or replacement of

damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal installation will not be accepted.

- c) Regional transit, County and other agencies may also have equipment connected to existing traffic signal or peripheral equipment such as PTZ cameras, switches, transit signal priority (TSP and BRT) servers and other devices that shall be included with traffic signal maintenance at no additional cost to the contract.
- d) Contracts such as pavement grinding or patching which result in the destruction of traffic signal loops will require a maintenance transfer. The Contractor is required to notify of intent to work and an inspection. A minimum of seven (7) working days prior to the loop removal, the Contractor shall notify the Design Engineer at (312) 603-1734, the Department's Electrical Maintenance Contractor and the owner of automatic traffic enforcement prior to the loop removal, at which time arrangements will be made to adjust the traffic controller timing to compensate for the absence of detection. Damaged Automatic Traffic Enforcement equipment, including cameras, detectors, or other peripheral equipment, shall be replaced by others, per Permit agreements or other agreements, at no cost to the contract except for City of Chicago projects in which the detectors shall be replaced. See additional requirements in these specifications under Inductive Loop Detector.
- e) The Contractor is further advised that the existing traffic signal(s), and/or the existing temporary installation(s), must remain in operation during all construction stages except for the most essential down time. Any shutdown of the traffic signal installation(s), for a period to exceed fifteen (15) minutes, must have the prior approval of the Engineer. Such approval will generally only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Shutdowns will not be allowed during inclement weather or during Holiday periods. Any other traffic signal shutdown, either for periods in excess of one (1) hour or outside of the 10:00 a.m. to 3:00 p.m. weekday period must have prior approval of the Engineer. The Contractor, prior to the commencement of his work, shall notify the State Electrical Maintenance Contractor, the Cook County Electrical Maintenance Contractor, or the concerned Municipality, of his intent to perform this work.
- f) The Contractor shall be fully responsible for the safe and efficient operation of the traffic signals. Any inquiry, complaint or request by the Department, the Department's Electrical Maintenance Contractor or the public, shall be investigated and repairs begun within one hour. Failure to provide this service will result in liquidated damages of \$1000 per day per occurrence. In addition, the Department reserves the right to assign any work not completed within this timeframe to the Electrical Maintenance Contractor. All costs associated to repair this uncompleted work shall be the responsibility of the Contractor. Failure to pay these costs to the Electrical Maintenance Contractor within one month after the incident will result in additional liquidated damages of \$1000 per month per occurrence. Unpaid bills will be deducted from the cost of the Contract. The Department's Electrical Maintenance Contractor may inspect any signaling device on the Department's highway system at any time without notification.
- g) Any proposed activity in the vicinity of a highway-rail grade crossing must adhere to the guidelines set forth in the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) regarding work in temporary traffic control zones in the vicinity of highway-rail grade crossings which states that lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the railroad tracks. If the queuing of vehicles across the tracks cannot be avoided, a

uniformed law enforcement officer or flagger shall be provided at the crossing to prevent vehicles from stopping on the tracks, even if automatic warning devices are in place.

- h) The Contractor shall be responsible to clear snow, ice, dirt, debris or other condition that obstructs visibility of any traffic signal display.
- i) The Contractor shall maintain the traffic signal in normal operation during short or long-term loss of utility or battery back-up power at critical locations designated by the Engineer. Critical locations may include traffic signals interconnected to railroad warning devices, expressway ramps, intersection with an SRA route, critical corridors or other locations identified by the Engineer. Temporary power to the traffic signal must meet applicable NEC and OSHA guidelines and may include portable generators and/or replacement batteries.

Damage to Traffic Signal System.

Add the following to Article 801.12(b).

- a) Any damaged equipment or equipment not operating properly from any cause whatsoever shall be replaced with new equipment provided by the contractor at no additional cost to the Contract and/or owner of the traffic signal system all as approved by the Engineer. Final repairs or replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal will not be accepted. Cable splices outside the controller cabinet will not be allowed.
- b) Temporary replacement of damaged or knockdown of a mast arm pole assembly shall require construction of a full or partial span wire signal installation or other method approved by the Engineer to assure signal heads are located overhead and over traveled pavement. Temporary replacement of mast arm mount signals with post mount signals will not be permitted.
- c) Automatic Traffic Enforcement equipment, such as Red-Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause whatsoever, shall be the responsibility of the municipality or the Automatic Traffic Enforcement Company per Permit agreement or other agreements.

Traffic Signal Inspection (Turn – On).

Revise Article 801.15b to read as follows.

- a) The Contractor must have all electric work completed, the electrical service installation connected by the utility company and equipment field tested by the Vendor prior to the Department's "turn-on" field inspection. If in the event the Engineer determines the work is not complete and the inspection will require more than two (2) hours to complete, the inspection shall be canceled and the Contractor will be required to reschedule at another date. The maintenance of the traffic signals will not be accepted until all punch list work is corrected and re-inspected. The Department will not grant a field inspection until written certification is provided from the Contractor stating the equipment has been field tested and the intersection is operating according to Contract requirements.

- b) When the road is open to traffic, except as otherwise provided in Section 850 of the Standard Specification, the Contractor may request a turn-on and inspection of the completed traffic signal installation at each separate location. This request must be made to the Design Engineer at (312) 603-1734 a minimum of seven (7) working days prior to the time of the requested inspection. The Department will not grant a field inspection until notification is provided from the Contractor that the equipment has been field tested and the intersection is operating according to Contract requirements. The Contractor must invite local fire department personnel to the turn-on when Emergency Vehicle Pre-emption (EVP) is included in the project. When the contract includes the item RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, OPTIMIZE TRAFFIC SIGNAL SYSTEM, or TEMPORARY TRAFFIC SIGNAL TIMINGS, the Contractor must notify the SCAT Consultant of the turn-on schedule, as well as stage changes and phase changes during construction.
- c) The Contractor must have all traffic signal work completed and the electrical service installation connected by the utility company prior to requesting an inspection and turn-on of the traffic signal installation. The Contractor shall be responsible to provide a Police Officer to direct traffic at the time of testing.
- d) The Contractor shall provide a representative from the control Equipment Vendor's office to attend the traffic signal inspection for both permanent and temporary traffic signal turn-ons. Upon demonstration that the signals are operating and all work is completed in accordance with the Contract and to the satisfaction of the Engineer, the Engineer will then allow the signals to be placed in continuous operation. The Agency that is responsible for the maintenance of each traffic signal installation will assume the maintenance upon successful completion of this inspection.
- e) Acceptance of the traffic signal equipment by the Department shall be based upon inspection results at the traffic signal turn-on, completeness of the required documentation and successful operation during a minimum 72 hour "burn-in" period following activation of the traffic signal. If approved, traffic signal acceptance shall be verbal at the turn-on inspection followed by written correspondence from the Engineer. The Contractor shall be responsible for all traffic signal equipment and associated maintenance thereof until Departmental acceptance is granted.
- f) All equipment and/or parts to keep the traffic signal installation operating shall be furnished by the Contractor. No spare traffic signal equipment is available from the Department.
- g) All punch list work shall be completed within two (2) weeks after the final inspection. The Contractor shall notify the Design Engineer at (312) 603-1734 to inspect all punch list work. Failure to meet these time constraints shall result in liquidated damage charges of \$500 per month per incident.
- h) All cost of work and materials required to comply with the above requirements shall be included in the pay item bid prices under which the subject materials and signal equipment are paid and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements that have been installed on the job will be at the Contractor's own risk and shall be subject to removal and disposal at the Contractor's expense.
- i) The Contractor shall furnish the Cook County Highway Department with any special tools or wrenches that may be required for assembling or maintaining the control equipment and traffic control signal head assemblies.

- j) All control cable, when complete in place but before permanent connection, shall be subject to insulation tests at the discretion of the Engineer. The tests shall be made with approved insulation resistance testing equipment rated at 500 volts D.C. and witnessed by the Engineer. Results of these tests shall be submitted to the Department in written form, bearing the Engineers signature and shall become part of the project records. A final inspection of the traffic signal installation shall not be held until results of this insulation test have been received.
- k) All equipment such as new controllers and allied central equipment with the exception of cable, conduit, and other materials which require the use of the State of Illinois Materials Testing Laboratories, shall be built in the suppliers shop and inspected by a representative of this Department prior to the installation of such equipment, and upon approval of this equipment an inspection ticket will be issued to the Contractor by the inspection agency (State of Illinois Material Testing Laboratory or the Cook County Highway Mechanical-Electrical Section). The controller and allied control equipment shall be prepared in the suppliers shop and run under a load of a minimum of 500 watts per phase for at least 48 hours before it is inspected for proper operation and sequencing. After it passes this test an inspection ticket will be issued by the Cook County Highway Mechanical-Electrical Section representative and it can then be delivered to the job site for installation.
- l) Upon completion of the installation, a final inspection will be carried out by qualified representatives of the Highway Agencies involved.
- m) If the Contractor fails to comply with any of the requirements, the County shall impose such sanction as it may determine to be appropriate including but not limited to withholding all payments to the Contractor on this contract until the provisions of this special provision are complete with and/or implementation of article 108.10 of the standard specifications.

At the final inspection it will be required that the Contractor will have submitted to the Engineer all necessary inspection tickets for all new equipment and materials installed under this Contract. If the Contractor has not obtained the inspection tickets on any portion of the new equipment and materials, the representative of this Department will have the authority to postpone the final inspection until the above has been satisfied. Any postponement of the final inspection for this reason shall not relieve the Contractor of his full maintenance responsibilities until such time as the installation is re-inspected and accepted by the County.

The County requires the following Final Project Documentation from the Contractor at traffic signal turn-ons in electronic format in addition to hard copies where noted. A CD/DVD shall be submitted with separate folders corresponding to each numbered title below. The CD/DVD shall be labelled with date, project location, company and contract or permit number. Record Drawings, Inventory and Material Approvals shall be submitted prior to traffic signal turn-on for review by the Department as described here-in.

The County requires the following from the Contractor at traffic signal turn-on.

- 1) The Contractor shall, at the turn-on furnish one hard copy set of signal plans (24"x36") of record with field revisions marked in red ink to the maintaining agency.
- 2) Field Testing. Written notification from the Contractor and the equipment vendor of satisfactory field testing with corresponding material performance measurements, such as for detector loops and fiber optic systems (see Article 801.13). One hard copy of all contract required performance measurement testing shall also be provided.

- 3) A knowledgeable representative of the controller equipment supplier shall be required at the permanent and temporary traffic signal turn-on. The representative shall be knowledgeable of both cabinet design and controller functions and shall have sufficient test and spare equipment to make the traffic signal installation operational.
- 4) Pictures. Digital pictures of a minimum 12M pixels of each intersection approach showing all traffic signal displays and equipment. Pictures shall include controller cabinet equipment in enough detail to clearly identify manufacture and model of major equipment.
- 5) Materials Approval. The material approval letter. A hard copy shall also be provided.
- 6) Manuals. Operation and service manuals of the signal controller and associated control equipment. One hard copy shall also be provided.
- 7) Cabinet Wiring Diagram and Cable Logs. Five (5) hard copies 11" x 17" of the cabinet wiring diagrams shall be provided along with electronic pdf and dgn files of the cabinet wiring diagram. Five hard copies of the cable logs and electronic excel files shall be provided with cable #, number of conductors and spares, connected device/signal head and intersection location.
- 8) Controller Programming Settings. The traffic signal controller's timings; backup timings; coordination splits, offsets, and cycles; TBC Time of Day, Week and Year Programs; Traffic Responsive Program, Detector Phase Assignment, Type and Detector Switching; and any other functions programmable from the keyboard. The controller manufacturer shall also supply a printed form, not to exceed 11" x 17" for recording that data noted above. The form shall include a location, date, manufacturer's name, controller model and software version. The form shall be approved by the Engineer and a minimum of three (3) copies must be furnished at each turn-on. The manufacturer must provide all programming information used within the controller at the time of turn-on.
- 9) All Manufacturer and Contractor warranties and guaranties required by Article 801.14.
- 10) GPS coordinate of traffic signal equipment as describe in the Record Drawings section herein.

RECORD DRAWINGS

The requirements listed for Electrical Installation shall apply for Traffic Signal Installations in Article 801.16. Revise the 2nd paragraph of Article 801.16 of the Standard Specifications to read:

- a. When the work is complete, and seven days before the request for a final inspection, the full-size set of contract drawings. Stamped "RECORD DRAWINGS", shall be submitted to the Engineer for review and approval and shall be stamped with the date and the signature of the Contractor's supervising Engineer or electrician. The record drawings shall be submitted in PDF format on CDROM as well as hardcopy for review and approval. If the contract consists of multiple intersections, each intersection shall be saved as an individual PDF file with TS# and location name in its file name.
- b. In addition to the record drawings, copies of the final catalog cuts which have been Approved or Approved as Noted shall be submitted in PDF format along with the record drawings. The PDF files shall clearly indicate the pay item either by filename or PDF Table of Contents referencing the respective pay item

number for multi-item PDF files. Specific part or model numbers of items which have been selected shall be clearly visible.”

Add the following to Article 801.16 of the Standard Specifications:

“In addition to the specified record drawings, the Contactor shall record GPS coordinates of the following traffic signal components being installed, modified or being affected in other ways by this contract:

- All Mast Arm Poles and Posts
- Traffic Signal Wood Poles
- Rail Road Bungalow
- UPS
- Handholes
- Conduit roadway crossings
- Controller Cabinets
- Communication Cabinets
- Electric Service Disconnect locations
- CCTV Camera installations
- Fiber Optic Splice Locations
- Conduit Crossings

Datum to be used shall be North American 1983.

Data shall be provided electronically and in print form. The electronic format shall be compatible with MS Excel. Latitude and Longitude shall be in decimal degrees with a minimum of 6 decimal places. Each coordinate shall have the following information:

1. File shall be named: TSXXX-YY-MM-DD (i.e. TS22157_15-01-01)
2. Each intersection shall have its own file
3. Row 1 should have the location name (i.e. 103rd Street at Central Avenue)
4. Row 2 is blank
5. Row 3 is the headers for the columns
6. Row 4 starts the data
7. Column A (Date) – should be in the following format: MM/DD/YYYY
8. Column B (Item) – as shown in the table below
9. Column C (Description) – as shown in the table below
10. Column D and E (GPS Data) – should be in decimal form, per the County special provisions

Examples:

Date	Item	Description	Latitude	Longitude
01/01/2015	MP (Mast Arm Pole)	NEQ, NB, Dual, Combination Pole	41.580493	-87.793378
01/01/2015	HH (Handhole)	Heavy Duty, Fiber, Intersection, Double	41.558532	-87.792571
01/01/2015	ES (Electrical Service)	Ground mount, Pole mount	41.765532	-87.543571
01/01/2015	CC (Controller Cabinet)		41.602248	-87.794053
01/01/2015	RSC (Rigid Steel Crossing)	IL 31 east side crossing south leg to center HH at Klausen	41.611111	-87.790222

01/01/2015	PTZ (PTZ)	NEQ extension pole	41.593434	-87.769876
01/01/2015	POST (Post)		41.651848	-87.762053
01/01/2015	MCC (Master Controller Cabinet)		41.584593	-87.793378
01/01/2015	COMC (Communication Cabinet)		41.584600	-87.793432
01/01/2015	BBS (Battery Backup System)		41.558532	-87.792571

Prior to the collection of data, the contractor shall provide a sample data collection of at least six data points of known locations to be reviewed and verified by the Engineer to be accurate within 1 foot. Upon verification, data collection can begin. Data collection can be made as construction progresses, or can be collected after all items are installed. If the data is unacceptable the contractor shall make corrections to the data collection equipment and or process and submit the data for review and approval as specified.

Accuracy. Data collected is to be mapping grade. A handheld mapping grade GPS device shall be used for the data collection. The receiver shall support differential correction and data shall have a minimum 1-foot accuracy after post processing GPS receivers integrated into cellular communication devices, recreational and automotive GPS devices are not acceptable.

The GPS shall be the product of an established major GPS manufacturer having been in the business for a minimum of 6 years.”

Location of Underground State and County Maintained Facilities.

Revise Article 803 to read as follows.

County traffic signal facilities are not part of any of the one-call locating service such as J.U.L.I.E or Digger. If this contract requires the services of an electrical contractor, the Contractor shall be responsible at his/her own expense for locating existing IDOT and CCHD facilities prior to performing any work. If this contract does not require the services of electrical contractor, the Contractor may request one free locate for existing IDOT and CCHD electrical facilities from the Electrical Maintenance Contractor(s) prior to the start of any work. Additional requests may be at the expense of the Contractor. The location of underground traffic facilities does not relieve the Contractor of their responsibility to repair any facilities damaged during construction at their expense.

The exact location of all utilities shall be field verified by the Contractor before the installation of any components of the traffic signal system. For locations of utilities, locally owned equipment, and leased enforcement camera system facilities, the local Counties or Municipalities may need to be contacted, in the City of Chicago contact D.I.G.G.E.R. at (312) 744-7000 and for all other locations contact J.U.L.I.E. at 1-800-892-0123.

Restoration. All areas and plant material damaged by the installation of Traffic Signal posts, mast arm poles, underground cables or conduits, handholes and control cabinets shall be replaced as follows:

- Grass Areas: Replace top soil to a depth of four (4) inches (100 mm), re-grade shoulders, ditch slopes, and open areas back to former existing grades, fertilize, seed and mulch all damaged areas.

- Sod Areas (areas adjacent to residential, commercial and industrial properties and any other areas as directed by the engineer): Fertilize and re-sod damaged areas.
- Plant Materials: Remove and replace damaged trees, shrubs and vines with the same varieties that existed prior to damage.
- Shoulders other than Stabilized and Backslopes, medians, sidewalks, pavement, etc.: Replace shoulder to original condition and restore edge of backslope to original lines and grades. Medians, sidewalks and pavement shall be replaced in kind.
- All brick pavers disturbed in the work area shall be restored to their original configuration or as directed by the Engineer. All damaged brick pavers shall be replaced with a comparable material approved by the Engineer

All damaged landscape shall be replaced in accordance with Section 250 through 254 of the Standard Specifications.

Any damage, due to the installation of traffic signal equipment; or necessary removal at handholes, jacking pits, and inspection openings, of sidewalks, curbs, gutters, median and island paving, and/or pavement, shall be repaired or replaced by the Contractor. Repair or replacement shall be made with a like material of like thickness to the existing surface. Restoration of traffic signal work area shall be included in related pay items such as foundation, conduit, handhole, trench and backfill, etc.

Bagging Signal Heads.

Light tan colored traffic and pedestrian signal reusable covers shall be used to cover dark/un-energized signal sections and visors. Covers shall be made of outdoor fabric with urethane coating for repelling water, have elastic fully sewn around the cover ends for a tight fit over the visor, and have a minimum of two straps with buckles to secure the cover to the backplate. A center mesh strip allows viewing without removal for signal status testing purposes. Covers shall include a message indicating the signal is not in service.

SPECIAL PROVISION FOR PEDESTRIAN SIGNAL POST

Effective: 5/1/21

Revised: 5/1/21 (New)

Description.

This work shall consist of furnishing and installing a metal pedestrian signal post. All installations shall meet the requirements of the "District One Standard Traffic Signal Design Details".

Materials.

- a. General. The pedestrian signal post shall be designed to support the traffic signal loading shown on the plans. The design and fabrication shall be according to the Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, as published by AASHTO.
- b. Post. The post shall be made of steel or aluminum and have an outside diameter of 4 1/2 in. The post shall be threaded for assembly to the base. Aluminum posts shall be according to the specifications for Schedule 80 aluminum pipe. Steel posts shall be according to the specifications for Schedule 40 steel pipe.
- c. Base. The base of a steel post shall be cast iron. The base of an aluminum post shall be aluminum. The base shall be threaded for the attachment to the threaded post. The base shall be approximately 10 in. high and 6 3/4 in. square at the bottom. The bottom of the base shall be designed to accept four 5/8 in. diameter anchor rods evenly spaced in a 6 in. diameter circle. The base shall be true to pattern, with sharp clean cutting ornamentation, and equipped with access doors for cable handling. The door shall be fastened to the base with stainless steel screws. A grounding lug shall be provided inside the base.
- d. Anchor Rods. The anchor rods shall be 5/8 in. in diameter and 16 in. long and shall be according to Article 1006.09. The anchor rods shall be threaded approximately 6 in. at one end and have a bend at the other end. The first 12 in. at the threaded end shall be galvanized. One each galvanized nut and trapezoidal washer shall be furnished with each anchor rod. The washer shall be properly sized to fully engage and sit flush on all sides of the slot of the base plate. The aluminum post and base shall be drilled at the third points around the diameter and 1/4 in. by 2 in. stainless steel bolts shall be inserted to prevent the post from turning and wobbling.
- e. Finish. The steel post, steel post cap and the cast iron base shall be hot-dipped galvanized according to AASHTO M 111. If the Department approves painting, powder coating by the manufacturer will be required over the galvanization in accordance with 851.01TS TRAFFIC SIGNAL PAINTING Special Provisions. If the post and the base are threaded after the galvanization, the bare exposed metal shall be immediately cleaned to remove all cutting solvents and oils, and then spray painted with two coats of an approved galvanized paint. The aluminum post shall have a natural finish, 100 grit or finer.

Installation.

The pedestrian signal post shall be erected plumb, securely bolted to a concrete foundation, and grounded to a ground rod according to the details shown on the plans. No more than 3/4 in. of the post threads shall protrude above the base.

A post cap shall be furnished and installed on the top of the post. The post cap shall match the material of the post. The Contractor shall apply an anti-seize paste compound on all nuts and bolts prior to assembly.

Prior to the assembly, the Contractor shall apply two additional coats of galvanized paint on the threads of the post and the base. The Contractor shall use a fabric post tightener to screw the post to the base.

Basis of Payment. This work will be paid for at the contract unit price EACH for PEDESTRIAN SIGNAL POST, of the length specified which price shall be payment in full for furnishing and installing the pedestrian signal post, base, foundation for pedestrian post, nuts and washers, and pipe cap complete. If the Department approves painting, powder coating by the manufacturer will be required over the galvanization in accordance with TRAFFIC SIGNAL PAINTING Special Provisions.

SPECIAL PROVISION FOR LIGHT EMITTING DIODE (LED) TRAFFIC SIGNAL AND PEDESTRIAN SIGNAL

Effective: 7/1/16

Revised: 4/26/19 (changed title to add pedestrian signal)

This work shall consist of furnishing and installing a traffic signal head or pedestrian signal head with light emitting diodes (LED) of the type specified in the plan or retrofitting an existing traffic signal head with a traffic signal module or pedestrian signal module with LEDs as specified in the plans.

LED signal heads (All Face and Section Quantities), (All Mounting Types) shall conform fully to the requirements of Sections 880 and 881 and Articles 1078.01 and 1078.02 of the Standard Specifications amended herein:

LED modules proposed for use shall be approved by IDOT District One.

All signal and pedestrian heads shall provide 12" (300 mm) displays with glossy yellow or black polycarbonate housings. All head housings shall be the same color (yellow or black) at the intersection. For new signalized intersections and existing signalized intersections where all signal and/or pedestrian heads are being replaced, the proposed head housings shall be black. Where only selected heads are being replaced, the proposed head housing color (yellow or black) shall match existing head housings. Connecting hardware and mounting brackets shall be polycarbonate (black). A corrosion resistant anti-seize lubricant shall be applied to all metallic mounting bracket joints, and shall be visible to the inspector at the signal turn-on. Post top mounting collars are required on all posts, and shall be constructed of the same material as the brackets. The terminal block in the signal head shall have an empty terminal between the red and amber connection.

Pedestrian signal heads shall be furnished with the international symbolic "Walking Person" and "Upraised Palm" displays. Egg crate sun shields are not permitted.

Signal heads shall be positioned according to the "District One Standard Traffic Signal Design Details.

1. The LED signal modules shall be replaced or repaired if an LED signal module fails to function as intended due to workmanship or material defects within the first 7 years from the date of turn-on. LED signal modules which exhibit luminous intensities less than the minimum values specified in Table 1 of the ITE Vehicle Traffic Control Signal Heads: Light Emitting Diode (LED) Circular Signal Supplement (June 27, 2005) [VTSCH] or applicable successor ITE specifications, or show signs of entrance of moisture or contaminants within the first 7 years of the date of turn-on shall be replaced or repaired. The manufacturer's written warranty for the LED signal modules shall be dated, signed by an Officer of the company and included in the product submittal to the County.

(a) Physical and Mechanical Requirements

1. Modules can be manufactured under this specification for the following faces:
 - a. 12 inch (300 mm) circular, multi-section
 - b. 12 inch (300 mm) arrow, multi-section

2. The maximum weight of a module shall be 4 lbs. (1.8 kg).
3. Each module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.), and shall be weather proof after installation and connection.
4. Material used for the lens and signal module construction shall conform to ASTM specifications for the materials.
5. The lens of the module shall be tinted with a wavelength-matched color to reduce sun phantom effect and enhance on/off contrast. The tinting shall be uniform across the lens face. Polymeric lens shall provide a surface coating or chemical surface treatment applied to provide abrasion resistance. The lens of the module shall be integral to the unit, convex with a smooth outer surface and made of plastic. The lens shall have a textured surface to reduce glare.
6. The use of tinting or other materials to enhance ON/OFF contrasts shall not affect chromaticity and shall be uniform across the face of the lens.
7. Each module shall have a symbol of the type of module (i.e. circle, arrow, etc.) in the color of the module. The symbol shall be 1 inch (25.4 mm) in diameter. Additionally, the color shall be written out in 1/2 inch (12.7mm) letters next to the symbol.

(b) Photometric Requirements

The LEDs utilized in the modules shall be AlInGaP technology for red, yellow, Portland orange (pedestrian) and white (pedestrian) indications, and GaN for green indications, and shall be the ultra bright type rated for 100,000 hours of continuous operation from -40°C to +74°C.

(c) Electrical

1. Maximum power consumption for LED modules is per Table 2.
2. Operating voltage of the modules shall be 120 VAC. All parameters shall be measured at this voltage.
3. The modules shall be operationally compatible with currently used controller assemblies (solid state load switches, flashers, and conflict monitors).
4. When a current of 20 mA AC (or less) is applied to the unit, the voltage read across the two leads shall be 15 VAC or less.
5. The LED modules shall provide constant light output under power. Modules with dimming capabilities shall have the option disabled or set on a non-dimming operation.
6. The individual LEDs shall be wired such that a catastrophic loss or the failure of one or more LED will not result in the loss of the entire module.

(d) Retrofit Traffic Signal Module

1. The following specification requirements apply to the Retrofit module only. All general specifications apply unless specifically superseded in this section.
 2. Retrofit modules can be manufactured under this specification for the following faces:
 - a. 12 inch (300 mm) circular, multi-section
 - b. 12 inch (300 mm) arrow, multi-section
 3. Each Retrofit module shall be designed to be installed in the doorframe of a standard traffic signal housing. The Retrofit module shall be sealed in the doorframe with a one-piece EPDM (ethylene propylene rubber) gasket.
 4. The maximum weight of a Retrofit module shall be 4 lbs. (1.8 kg).
 5. Each Retrofit module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.), and shall be weather proof after installation and connection.
 6. Electrical conductors for modules, including Retrofit modules, shall be 39.4 inches (1m) in length, with quick disconnect terminals attached.
 7. The lens of the Retrofit module shall be integral to the unit, shall be convex with a smooth outer surface and made of plastic or of glass.
- (e) The following specification requirements apply to the 12 inch (300 mm) arrow module only. All general specifications apply unless specifically superseded in this section.
1. The arrow module shall meet specifications stated in Section 9.01 of the Equipment and Material Standards of the Institute of Transportation Engineers (November 1998) [ITE Standards], Chapter 2 (Vehicle Traffic Control Signal Heads) for arrow indications.
 2. The LEDs arrow indication shall be a solid display with a minimum of three (3) outlining rows of LEDs and at least one (1) fill row of LEDs.
- (f) The following specification requirement applies to the 12 inch (300 mm) programmed visibility PV module only. All general specifications apply unless specifically superseded in this section.
1. The module shall be a module designed and constructed to be installed in a programmed visibility (PV) signal housing without modification to the housing.

Basis of Payment. This item shall be paid for at the contract unit price EACH for SIGNAL HEAD, LED, or OPTICALLY PROGRAMMED SIGNAL HEAD, LED, PEDESTRIAN SIGNAL HEAD, LED, of the type specified, which price shall be payment in full for furnishing the equipment described above including signal head, LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of signal faces, the number of signal sections, and the method of mounting.

When installed in an existing signal head, this item shall be paid for at the contract unit price EACH for SIGNAL HEAD, LED, OPTICALLY PROGRAMMED SIGNAL HEAD, LED, PEDESTRIAN SIGNAL HEAD, LED of the type specified, RETROFIT, which price shall be payment in full for furnishing the equipment described above including LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of signal faces, the number of signal sections, and the method of mounting.

SPECIAL PROVISION FOR LIGHT EMITTING DIODE (LED) PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER

Effective: 7/1/16

Revised: 4/26/19 (revised title and pay item name in Basis of Payment)

The installation of an Pedestrian Countdown Signal Head, Light Emitting Diode shall meet the requirements of Section 881 and 1078.02 of the Standard Specifications, except as follows:

Description.

This work shall consist of furnishing and installing a pedestrian countdown signal head, with light emitting diodes (LED) of the type specified in the plans.

Pedestrian Countdown Signal Head, Light Emitting Diode, shall conform fully to the SIGNAL HEAD, LIGHT EMITTING DIODE specification, with the following modifications:

Application.

1. Pedestrian Countdown Signal Heads shall not be used at signalized intersections where traffic signals and railroad warning devices are interconnected.
2. All pedestrian signals at an intersection shall be the same type and have the same display. No mixing of countdown and other types of pedestrian traffic signals will be permitted.

Installation.

1. Pedestrian Countdown Signal Heads shall be 16 inch (406mm) x 18 inch (457mm), for single units with the housings glossy black polycarbonate. All pedestrian head housings shall be the same color (yellow or black) at the intersection. For new signalized intersections and existing signalized intersections where all pedestrian heads are being replaced, the proposed head housings shall be black. Where only selected heads are being replaced, the proposed head housing color (yellow or black) shall match existing head housings. Connecting hardware and mounting brackets shall be polycarbonate (black). A corrosion resistant anti-seize lubricant shall be applied to all metallic mounting bracket joints, and shall be visible to the inspector at the signal turn-on.
2. Each pedestrian signal LED module shall be fully MUTCD compliant and shall consist of double overlay message combining full LED symbols of an Upraised Hand and a Walking Person. "Egg Crate" type sun shields are not permitted. Numerals shall measure 9 inches (229mm) in height and easily identified from a distance of 120 feet (36.6m).

Material.

1. The module shall operate in one mode: Clearance Cycle Countdown Mode Only. The countdown module shall display actual controller programmed clearance cycle and shall start counting when the flashing clearance signal turns on and shall countdown to "0" and turn off when the steady Upraised

Hand (symbolizing Don't Walk) signal turns on. Module shall not have user accessible switches or controls for modification of cycle.

2. At power on, the module shall enter a single automatic learning cycle. During the automatic learning cycle, the countdown display shall remain dark.
3. The module shall re-program itself if it detects any increase or decrease of Pedestrian Timing. The counting unit will go blank once a change is detected and then take one complete pedestrian cycle (with no counter during this cycle) to adjust its buffer timer.
4. If the controller preempts during the Walking Person (symbolizing Walk), the countdown will follow the controller's directions and will adjust from Walking Person to flashing Upraised Hand. It will start to count down during the flashing Upraised Hand.
5. If the controller preempts during the flashing Upraised Hand, the countdown will continue to count down without interruption.
6. The next cycle, following the preemption event, shall use the correct, initially programmed values.
7. If the controller output displays Upraised Hand steady condition and the unit has not arrived to zero or if both the Upraised Hand and Walking Person are dark for some reason, the unit suspends any timing and the digits will go dark.
8. The digits will go dark for one pedestrian cycle after loss of power of more than 1.5 seconds.
9. The countdown numerals shall be two (2) "7 segment" digits forming the time display utilizing two rows of LEDs.
10. The LED module shall meet the requirements of the Institute of Transportation Engineers (ITE) LED purchase specification, "Pedestrian Traffic Control Signal Indications - Part 2: LED Pedestrian Traffic Signal Modules," or applicable successor ITE specifications, except as modified herein.
11. The LED modules shall provide constant light output under power. Modules with dimming capabilities shall have the option disabled or set on a non-dimming operation.
12. In the event of a power outage, light output from the LED modules shall cease instantaneously.
13. The LEDs utilized in the modules shall be AlInGaP technology for Portland Orange (Countdown Numerals and Upraised Hand) and GaN technology for Lunar White (Walking Person) indications.
14. The individual LEDs shall be wired such that a catastrophic loss or the failure of one or more LED will not result in the loss of the entire module.

Electrical.

1. Maximum power consumption for LED modules is 20 watts.
2. The measured chromaticity shall remain unchanged over the input line voltage range listed of 80 VAC to 135 VAC.

Basis of Payment. This item shall be paid for at the contract unit price EACH for PEDESTRIAN SIGNAL HEAD, LED, WITH COUNTDOWN TIMER of the type specified, which shall be payment in full for furnishing the equipment described above including LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of faces and the method of mounting.

If the work consists of retrofitting an existing polycarbonate pedestrian signal head and pedestrian countdown signal head with light emitting diodes (LEDs), it will be paid for as a PEDESTRIAN SIGNAL HEAD, LED, RETROFIT, of the type specified, and of the particular kind of material, when specified. Price shall be payment in full for furnishing the equipment described above including LED modules, all mounting hardware, and installing them in satisfactory operating condition.

**SPECIAL PROVISION
FOR
TRAFFIC SIGNAL BACKPLATE**

Effective: 7/1/16

Revised: N/A

The furnishing and installation of this item shall meet the requirements of Section 882 and 1078.03 of the Standard Specifications, except as follows:

Backplates shall be aluminum and louvered with a minimum thickness of 0.05 inch (1.3 mm).

The surface of the backplate shall provide openings (louvers) to allow wind to penetrate and thereby reduce the wind loading on the mast arm and pole. The louver openings shall cover a minimum of twenty (20) percent of the surface area of the backplate. The louvers shall be designed not to deter the purpose of the backplate, which is to shield the signal lens from sunlight. The louvers shall be spaced symmetrically on the backplate in such a way as not to adversely affect its structural integrity.

When more than one backplate is mounted on a pole or post, their louvered symmetry shall be the same.

When retro reflective sheeting is specified, it shall be Type ZZ sheeting according to Article 1091.03 and applied in preferred orientation for the maximum angularity according to the manufacturer's recommendations. The retro reflective sheeting shall be installed under a controlled environment at the manufacturer/supplier before shipment to the contractor. The aluminum backplate shall be prepared and cleaned, following recommendations of the retro reflective sheeting manufacturer.

The reflective backplate shall not contain louvers.

Basis of Payment. This work will be paid for at the contract unit price EACH for TRAFFIC SIGNAL BACKPLATE, of the type specified, which price shall be payment in full for furnishing and installing the traffic signal backplate complete.

SPECIAL PROVISION FOR TRAFFIC SIGNAL POST

Effective: 7/1/16

Revised: 5/1/21 (Remove Pedestrian Push-button Post) The furnishing and installation of this item shall meet the requirements of Sections 106.01, 875, 876, 1077.01 and 1077.02 of the Standard Specifications, except as follows:

All posts (steel), bases (cast iron), and related mounting hardware shall be hot-dipped galvanized in accordance with AASHTO M 111. A magnetic field tester may be utilized at any time to determine the thickness of galvanization. Average galvanization thickness shall be 2.0 oz. per square foot and minimum thickness shall be 1.8 oz. per square foot. The Contractor shall use a fabric post tightener to attach the post to the base. If the galvanization on the post is removed using a chain post tightener exposing bare metal, the post shall be rejected and replaced with a new post.

All iron and steel products, which are to be incorporated into work shall be domestically manufactured or produced and fabricated. The contractor shall obtain from the iron or steel producer and/or fabricator, in addition to the mill analysis, a certification that all iron or steel materials meet these domestic source requirements.

If the fabricator elects to cut and thread the post after the galvanization process, the bare metal shall immediately be cleaned to remove all cutting solvents and oils, then sprayed with two (2) coats of galvanized compound. If the Department approves painting, powder coating by the manufacturer will be required over the galvanizing.

At intersections where all the posts are not being replaced, the traffic signal base shall match existing condition (octagonal or square). Square base shall be used when all new posts and bases are installed at an intersection.

When octagonal bases are used, the bases shall be cast iron, approximately 15 inches (375 mm) high and 16 inches (400 mm) across the flat sides at the bottom. All bases shall be designed to accept four (4) 5/8" (15.6 mm) diameter anchor bolts evenly spaced in a 12-1/2" (312 mm) diameter circle.

Bases shall be cast iron and square in shape, approximately 15 inches (375 mm) high and 14 inches (350 mm) across the flat sides at the bottom. All bases shall be designed to accept four (4) 5/8" (15.6 mm) diameter anchor bolts evenly spaced between 12" (300mm) and 14" (350mm) diameter circle.

Welded extensions onto the post shall not be permitted.

Posts are to erected plumb and no shims are allowed between the bottom of the base and the foundation.

When a new post is installed on an existing foundation, the foundation shall be plumbed before the post is installed. It shall not be paid for separately but shall be included in cost for TRAFFIC SIGNAL POST..

Basis of Payment. This work will be paid for at the contract unit price EACH for TRAFFIC SIGNAL POST, GALVANIZED STEEL, of the length specified which price shall be payment in full for furnishing and installing the traffic signal post, base, foundation for pedestrian post, nuts and washers, and pipe cap complete. If the

Department approves painting, powder coating by the manufacturer will be required over the galvanization in accordance with TRAFFIC SIGNAL PAINTING Special Provisions.

**SPECIAL PROVISION
FOR
STEEL MAST ARM ASSEMBLY AND POLE AND/OR STEEL
COMBINATION MAST ARM ASSEMBLY AND POLE**

Effective: 7/1/16

Revised: 4/26/19 (removed section about shrouds, revised various dimensions to match updated IDOT standards)

The furnishing and installation of a steel mast arm assembly and pole and/or steel combination mast arm assembly and pole shall meet the requirements of Section 106.01, 877 and 1077.03 of the Standard Specifications, Plans, and the Standard Drawings for Mast Arm Assembly and Pole, except as follows:

All iron and steel products, which are to be incorporated into work shall be domestically manufactured or produced and fabricated. The contractor shall obtain from the iron or steel producer and/or fabricator, in addition to the mill analysis, a certification that all iron or steel materials meet these domestic source requirements.

Prior to the final acceptance of any steel mast arm assembly and pole and/or steel combination mast arm assembly and pole, the Contractor must furnish to the Engineer a certified, notarized mill analysis of the material used in the steel mast arm assembly and pole and/or steel combination mast arm assembly and pole complete including any other requirements in the Special Provision or Specifications.

The steel mast arm assembly and pole and/or steel combination mast arm assembly and pole furnished shall conform to the Standard Drawings for Mast Arm Assembly and Pole. The traffic signal mast arms shall be of one-piece construction, unless otherwise approved by the Engineer. All poles shall be galvanized.

All bolts on the mast arm assembly and pole and foundation to have a minimum exposure of at least one thread outside the nut when fully tightened.

The components of a steel mast arm assembly and pole and/or steel combination mast arm assembly and pole shall be assembled and erected in accordance with the details shown on the plans. The pole shall be erected vertically on a concrete foundation. The Contractor shall furnish and install leveling and locking nuts and required washers for mounting and plumbing the pole on the anchor bolts. Prior to the approval of the installation, the Contractor shall brush or spray on two (2) coats of galvanized compound to any scratched areas. The pole shall be grounded to a ground rod in accordance with the details shown on the plans.

A stainless steel screen mesh $\frac{1}{4}$ inch maximum opening with a minimum wire diameter of AWG 16 with a minimum 2 inch lap shall be installed to enclose the void between the base plate and the foundation. The stainless steel screen wire shall be formed to the shape of the base plate and fasten to the base plate with $\frac{3}{4}$ inch stainless steel banding. The screen wire shall overlap and be fastened with a ring type connector.

The steel mast arm assembly and pole and/or steel combination mast arm assembly and pole shall be designed to support signal heads, signs, illuminated signs, luminaire, camera and other

attachments as shown on the plans. Refer to the Standard Drawings for Mast Arm Assembly and Pole for design loadings and projected area with wind load based on an 80 mile per hour (130 km/h) wind velocity plus 30 percent gust factor.

Shop Drawing Approval. The contractor shall submit detailed drawings showing design materials, thickness of sections, weld sizes, and anchor rods to the Engineer for approval prior to fabrication. These drawings shall be at least 11X17 in. (275X425 mm) in size and of adequate quality for microfilming. All product data and shop drawings shall be submitted in electronic PDF format on CD-ROM.

Anchor Rods. Two nuts, one lock washer, and one flat washer shall be furnished with each anchor rod. All nuts and washers shall be galvanized.

In addition to the signal loading, the steel mast arm assembly and pole, and/or steel combination mast arm assembly and pole shall be structurally adequate to support a maximum of two (2) sign panels 30" x 96" (750 mm x 2,400mm) in size mounted back to back, one LED street sign 96 5/8" x 30" with 110 pounds and one (1) sign panels 36" x 36" (900 mm x 900 mm) in size mounted 39" (990 mm) from end of the mast arm. The actual size and number of the sign panel(s) to be furnished and installed and the details of mounting shall be as shown on the County Standard Drawing of "ILLUMINATED STREET NAME SIGN MOUNTING DETAIL".

Signs attached to poles or posts (such as mast arm signs) shall have mounting brackets and sign channels which are equal to and completely interchangeable with those used by the Department.

Basis of Payment. This work will be paid for at the contract unit price EACH for STEEL MAST ARM ASSEMBLY AND POLE, and/or STEEL COMBINATION MAST ARM ASSEMBLY AND POLE of the size(s) specified which price shall be payment in full for furnishing and installing the steel mast arm assembly and pole and/or steel combination mast arm assembly and pole, anchor bolts, nuts, washers, and connected to a ground rod as shown on the Standard, complete.

**SPECIAL PROVISION
FOR
TRAFFIC ACTUATED CONTROLLER,
TRAFFIC ACTUATED CONTROLLER WITH CABINET,
INDUCTIVE LOOP DETECTOR**

Effective: 7/1/16

Revised: 5/1/21 (updated Econolite Cobalt (Graphics Edition) and Eagle/Siemens M60)

The furnishing and installation of a traffic actuated controller and an inductive loop detector shall meet the requirements of Section 857, 885, 1073, 1074.03 and 1079.01 of the Standard Specifications, except as revised with this Special Provision.

The new and/or temporary controller and all control equipment shall be of a manufacturer that is approved by this Department. The manufacturer shall have a representative located in the six (6) county Chicago areas. For installation as a stand-alone traffic signal, connected to a closed loop system or integrated into an advance traffic management system (ATMS), controllers shall be Econolite Cobalt (Graphics Edition) or Eagle/Siemens M60 unless specified otherwise on the plans or elsewhere on these specifications. Only controllers supplied by one of the District One approved closed loop equipment suppliers will be allowed. Unless specified otherwise on the plans or these specifications, the controller shall be of the most recent model and software version supplied by the equipment supplier at the time of the traffic signal TURN-ON. A removable controller data key shall also be provided. Individual load switches shall be provided for each vehicle, pedestrian, and right turn over lap phase. The controller shall prevent phases from being skipped during program changes and after all preemption events and shall inhibit simultaneous display of circular yellow and yellow arrow indications.

For integration into an ATMS such as Centrac, Tactics, or TransSuite, the controller shall have the latest version of NTCIP software installed. For operation prior to integration into an ATMS, the controller shall maintain existing closed loop management communications.

- Cabinets shall be designed for NEMA TS2 Type 1 operation. All cabinets shall be pre-wired for a minimum of eight (8) phases of vehicular, four (4) phases of pedestrian, pedestrian pushbutton isolation. Isolation cards will be required for all pedestrian pushbuttons and four (4) phases of overlap operation.
- Revise "conflict monitor" to read "Malfunction Management Unit"
- Cabinets – Provide 1/8" (3.2 mm) thick unpainted aluminum alloy 5052-H32. The surface shall be smooth, free of marks and scratches. All external hardware shall be stainless steel.
- Controller Harness – Provide a TS2 Type 2 "A" wired harness in addition to the TS2 Type 1 harness.
- Surge Protection – Shall be a 120VAC Single phase Modular filter Plug-in type, supplied from an approved vendor.
- BIU – shall be secured by mechanical means.

- Transfer Relays – Solid state or mechanical flash relays are acceptable.
- Switch Guards – All switches shall be guarded.
- Heating – One (1) 200 watt, thermostatically-controlled, electric heater.
- Lighting – One (1) LED Panel shall be placed inside the cabinet top panel and one (1) LED Panel shall be placed on each side of the pull-out drawer/shelf assembly located beneath the controller support shelf. The LED Panels shall be controlled by a door switch. The LED Panels shall be provided from an approved vendor.
- The cabinet shall be equipped with a pull-out drawer/shelf assembly. A 1 ½ inch (38mm) deep drawer shall be provided in the cabinet, mounted directly beneath the controller support shelf. The drawer shall have a hinged top cover and shall be capable of accommodating one (1) complete set of cabinet prints and manuals. This drawer shall support 50 lbs. (23 kg) in weight when fully extended. The drawer shall open and close smoothly. Drawer dimensions shall make maximum use of available depth offered by the controller shelf and be a minimum of 18 inches (610mm) wide.
- Plan & Wiring Diagrams – 12" x 15" (305mm x 406mm) moisture sealed container attached to door.
- Detector Racks – Fully wired and labeled for four (4) channels of emergency vehicle pre-emption and sixteen channels (16) of vehicular operation.
- Field Wiring Labels – All field wiring shall be labeled.
- Field Wiring Termination – Approved channel lugs required.
- Power Panel – Provide a nonconductive shield.
- Circuit Breaker – The circuit breaker shall be sized for the proposed load but shall not be rated less than 30 amps.
- Police Door – Provide wiring and termination for plug in manual phase advance switch.
- When "Full Actuated Controller and Cabinet, Type Super P" is used, the cabinet housing shall have the following nominal outside dimensions: a width of 59 in., a depth of 26 in., and a height of 57 in. The cabinet shall have a integrated Uninterruptible Power Supply compartment which holds the backup system and batteries. The battery portion of the cabinet shall be separated from the controller equipment portion of the cabinet by 1/8 inch thick aluminum 5052-H32. The bottom of the battery portion of the cabinet shall be 1/8 inch thick aluminum 5052-H-32. The battery cabinet door shall meet the same specifications as the controller portion except that the door hinge is 14 gage stainless steel with 0.12 stainless steel pin. The Battery compartment has three adjustable shelves, full width, 12" deep standard.

Basis of Payment. This work will be paid for at the contract unit price EACH for INDUCTIVE LOOP DETECTOR, and/or FULL-ACTUATED CONTROLLER AND CABINET or of the type specified, which price shall be payment in full for furnishing and installing the inductive loop detector complete with all harnesses

and connections for proper operation, and/or for furnishing and installing the controller complete, including malfunction monitor unit, load switches, flashers, flash transfer relays, etc. in a new cabinet or an existing cabinet as specified, with the necessary connections for proper operation.

SPECIAL PROVISION FOR MASTER CONTROLLER

Effective: 7/1/16

Revised: 5/1/21 (Change phone number)

The installation consist of a master controller shall meet Section 860 of the Standard Specifications except as revised with this Special Provision.

Only Econolite and Eagle/Siemens NEMA TS2 Type 1 closed loop systems shall be supplied. The latest model and software version of master controller shall be supplied.

Functional requirements in addition to those in section 860, 863 and 1073.04 of the Standard Specification include:

- The system commands shall consist of, as a minimum, six (6) cycle lengths, five (5) offsets, three (3) splits, and four (4) special functions. The system commands shall also include commands for free or coordinated operation.
- Traffic Responsive operation shall consist of the real time acquisition of system detector data, data validation, and the scaling of acquired volumes and occupancies in a deterministic fashion so as to cause the selection and implementation of the most suitable traffic plan.
- Full duplex communication between the master and its local controllers is recommended, but at this time not required. The data rate shall be 1200 baud MINIMUM and shall be capable of speeds to 38,400 or above as technology allows. The controller, when installed in an Ethernet topology, may operate non-serial communications.
- The cabinet shall be provided with an Outdoor Network Interface for termination of the telephone service. It shall be mounted to the inside of the cabinet in a location suitable to provide access for termination of the telephone service at a later date.
- The cabinet shall be equipped with a 9600 baud, auto dial/auto answer, modem. It shall be a 33.6K baud rate or equal.
- Each master shall be delivered with up to three (3) complete sets of the latest edition of registered remote monitoring software with full manufacturer's support. Each set shall consist of software on CD, DVD or other suitable media approved by the Engineer, and a bound set of manuals containing loading and operating instruction. One copy of the software and support data shall be delivered to the Agency in charge of system operation. One of these three sets will be provided to the Maintaining Agency's Signal Maintenance Contractor for his use in monitoring the system.
- The approved manufacturer of equipment shall loan CCDOTH one (1) master controller and two (2) intersection controllers of the most recent models and the newest software version to be used for instructional purposes in addition to the equipment to be supplied for the contract.

- The Contractor shall arrange to install a standard voice-grade dial-up telephone line to the master controller. This shall be accomplished through the following process:
- As soon as practical or within one week after the contract has been awarded, the Contractor shall contact the CCDOTH Design Engineer at (312) 603-1734 to request a phone installation.
- A follow-up mail to the CCDOTH Design Engineer with all required information pertaining to the phone installation is required from the Contractor as soon as possible or within one week after the initial request has been made. The required information to be supplied on the fax shall include (but not limited to): A street address for the new traffic signal controller (or nearby address); what type of telephone service is needed. The name and number of the Contractor's employee for the telephone company to contact regarding site work and questions. The phone line installation will then be requested from the County Central Services Office.
- The usual time frame for the activation of the phone line is 8 weeks after the CCDOTH Design Engineer has received the Contractor supplied fax. It is, therefore, imperative that the phone line conduit and pull-string be installed by the Contractor in anticipation of this time frame. On jobs which include roadway widening in which the conduit cannot be installed until this widening is completed, the Contractor will be allowed to delay the phone line installation request until a point in time that is 8 weeks prior to the anticipated completion of the traffic signal work. The contractor shall provide the CCDOTH Design Engineer with an expected installation date considering the 8 week processing time.
- The telephone line shall be installed and activated one month before the system final inspection.
- All costs associated with the telephone line installation and activation (not including the contract specified conduit installation between the point of telephone service and the traffic signal controller cabinet) shall be paid for by the CCDOTH Central Services Office (i.e., this will be a CCDOTH phone number not a Contractor phone number).

Basis of Payment. The master controller shall be paid for at the contract unit price EACH for MASTER CONTROLLER, which price shall be payment in full for furnishing and installing the master controller complete with necessary connections for proper operation.

SPECIAL PROVISION FOR DETECTOR LOOP

Effective: 7/1/16

Revised: N/A

This work shall consist of furnishing and installing detector loop in accordance with the requirements of Section 886 and 1079 of the Standard Specifications, except as follows:

Description.

This work shall consist of furnishing and installing a detector loop in the pavement.

Procedure.

A minimum of seven (7) working days prior to the Contractor cutting loops, the Contractor shall have the proposed loop locations marked and contact the CCHD Design Engineer at (312) 603-1730 to inspect and approve the layout. When preformed detector loops are installed, the Contractor shall have them inspected and approved prior to the pouring of the portland cement concrete surface, using the same notification process as above.

Failure to provide proper notification may require the Department's Electrical Maintenance Contractor to be called to investigate complaints of inadequate traffic signal timing. All costs associated with these expenses will be paid for by the Contractor at no additional expense to the Department according to Section 109 of the "Standard Specifications."

Installation.

Each loop lead-in shall be placed in a separate conduit from edge of pavement to handhole. Loop detectors shall be installed according to the requirements of the "District 1 Standard Traffic Signal Design Details". Saw-cuts (homerun on preformed detector loops) from the loop to the edge of pavement shall be made perpendicular to the edge of pavement when possible in order to minimize the length of the saw cut (homerun on preformed detector loops) unless directed otherwise by the Engineer or as shown on the plans. Spacing between the lead-ins (holes drilled in the pavement) shall not be less than one (1) foot (300 mm) and shall be located one (1) foot (300 mm) from the edge of pavement. Loop lead-in wires should be twisted to provide a minimum of five (5) turns per foot (fifteen [15] turns per meter) from the loop to the splice.

The cable splice connection of the detector loop and the lead-in cable to the controller shall conform to Section 873 of the Standard Specifications or the requirements set forth in the "District 1 Standard Traffic Signal Design Details".

Each loop detector lead-in wire shall be labeled in the handhole using a water proof tag from an approved vendor secured to each wire with nylon ties. The lead-in wire, including all necessary connections for proper operation, from the edge of pavement to the handhole shall be included in the price of the detector loop.

The detector loop cable insulation shall be labeled with the cable specifications.

Resistance to ground shall be a minimum of 100 megohms under any conditions of weather or moisture. Inductance shall be more than 50 and less than 700 microhenries. Quality readings shall be greater than 5.

Type I:

- All loops installed in new asphalt pavement shall be installed in the binder course and not in the surface course. The edge of pavement or the curb shall be cut with a 1/4" (6.3 mm) x 4" (100 mm) long sawcut to mark the location of each loop lead-in.
- Loop sealant shall be a two-component thixotropic chemically cured polyurethane from an approved vender. The sealant shall be installed 1/8" (3 mm) below the pavement surface, if installed above the surface the overlap shall be removed immediately.
- The corners of all loops shall be core drilled with a two (2) inch (50 mm) bit. All joints and cracks in the pavement that the loop crosses must be core drilled.

Preformed:

This work shall consist of furnishing and installing a rubberized heat resistant preformed traffic signal loop in accordance with the Standard Specifications, except for the following:

- Preformed detector loops shall be installed in new pavement constructed of portland cement concrete using mounting chairs or tied to re-bar or the preformed detector loops may be placed in the sub-base. Loop lead-ins shall be extended to a temporary protective enclosure near the proposed handhole location. The protective enclosure shall provide sufficient protection from other construction activities and may be buried for additional protection.
- Handholes shall be placed next to the shoulder or back of curb when preformed detector loops enter the handhole. Non-metallic coilable duct, included in this pay item, shall be used to protect the preformed lead-ins from back of curb to the handhole.
- Preformed detector loops shall be factory assembled with ends capped and sealed against moisture and other contaminants. Homeruns and interconnects shall be pre-wired and shall be an integral part of the loop assembly. The loop configurations and homerun lengths shall be assembled for the specific application. The loop and homerun shall be constructed using 11/16" (17.2 mm) outside diameter (minimum), 3/8" (9.5 mm) inside diameter (minimum) Class A oil resistant synthetic cord reinforced hydraulic hose with 250 psi (1,720 kpa) internal pressure rating or a similar sized XLPE cable jacket. Hose for the loop and homerun assembly shall be one continuous piece. No joints or splices shall be allowed in the hose except where necessary to connect homeruns or interconnects to the loops. This will provide maximum wire protection and loop system strength. Hose tee connections shall be heavy duty high temperature synthetic rubber. The tee shall be of proper size to attach directly to the hose, minimizing glue joints. The tee shall have the same flexible properties as the hose to insure that the whole assembly can conform to pavement movement and shifting without cracking or breaking. For XLPE jacketed preformed loops, all splice connections shall be soldered, sealed, and tested before being sealed in a high impact glass impregnated plastic splice enclosure. The wire used shall be #16 THWN stranded copper.

The number of turns in the loop shall be application specific. Homerun wire pairs shall be twisted a minimum of four turns per foot. No wire splices will be allowed in the preformed loop assembly. The loop and homeruns shall be filled and sealed with a flexible sealant to insure complete moisture blockage and further protect the wire. The preformed loops shall be constructed to allow a minimum of 6.5 feet of extra cable in the handhole. Six foot (1.8 m) round loop(s) may be substituted for six foot (1.8 m) by six foot (1.8 m) square loop(s) and shall be paid for as 24 feet (7.2 m) of detector loop.

Method of Measurement.

This work will be measured for payment in feet (meters) in place. Type I detector loop will be measured along the sawed slot in the pavement containing the loop and lead-in, rather than the actual length of the wire. Preformed detector loops will be measured along the detector loop and lead-in embedded in the pavement, rather than the actual length of the wire. Detector loop measurements shall include the sawcut and the length of the loop lead-in leading to the edge of pavement. The lead-in wire, including all necessary connections for proper operations, from the edge of pavement to the handhole, shall be incidental to include in the price of the detector loop. Unit duct, trench and backfill, cable splicing and drilling of pavement or handholes shall be incidental to detector loop quantities included in this item.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) of DETECTOR LOOP, TYPE I or PREFORMED DETECTOR LOOP, as specified in the plans, which price shall be payment in full and for furnishing, installing and testing the Detector Loop and all related connections for proper operation.

SPECIAL PROVISION FOR CONDUIT

Effective: 7/1/16

Revised: N/A

The installation of a conduit shall meet the requirements of Sections 810, 811 of the Standard Specifications, except as revised with this Special Provision.

Pavement, driveways, and curbs shall not be removed to install electrical conduits.

All conduit installed underground shall have a minimum depth of two feet six inches (2'-6" [760 mm]) except under railroad tracks where the conduit shall be a minimum of five feet (5' [1.52 m]) as measured to the outside diameter of the conduit on the top side.

"All metal conduit installed underground shall be Rigid Steel Conduit unless otherwise indicated on the plans." The ends of rigid metal conduit to be capped shall be threaded, the threads protected with full galvanizing, and capped with a threaded galvanized steel cap. All conduit splices shall be solid threaded couplings. Conduit terminating in junction and pull boxes shall be terminated with hubs, integral box hubs, or integral box bosses.

"All raceways which extend outside of a structure or duct bank but are not terminated in a cabinet, junction box, pull box, handhole, post, pole, or pedestal shall extend a minimum of 300 mm (12") or the length shown on the plans beyond the structure or duct bank. The end of this extension shall be capped and sealed with a cap designed for the conduit to be capped. The ends of rigid metal conduit to be capped shall be threaded, the threads protected with full galvanizing, and capped with a threaded galvanized steel cap.

The ends of rigid nonmetallic conduit and coilable nonmetallic conduit shall be capped with a rigid PVC cap of not less than 3 mm (0.125") thick. The cap shall be sealed to the conduit using a room-temperature-vulcanizing (RTV) sealant compatible with the material of both the cap and the conduit. A washer or similar metal ring shall be glued to the inside center of the cap with epoxy, and the pull cord shall be tied to this ring."

All conduit attached to a structure shall have a minimum of one (1) expansion joint placed within the length of the attached conduit. At each end of the structure the Contractor shall install a weatherproof galvanized cast iron box with a minimum size of 8" (200 mm) x 8" (200 mm) x 6" (150 mm) deep. The installation of these two (2) boxes and any required expansion joints shall be considered incidental to the unit price for conduit attached to structure.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for UNDERGROUND CONDUIT or CONDUIT ATTACHED TO STRUCTURE, of the type and size specified, which price shall be payment in full for furnishing and installing the conduit and fittings complete. Trench and Backfill will not be paid for separately.

SPECIAL PROVISION FOR ELECTRIC CABLE

Effective: 7/1/16

Revised: 4/26/19 (added cable that is not solid)

The installation of an electric cable shall meet the requirements of Section 873, 1088.01 and 1076.04 of the Standard Specifications and District One Standard Traffic Signal Design Details with the addition as the following:

The jacket for electric cable in this contract shall be of the polyvinyl chloride type meeting the requirements of IMSA 19-1. (Traffic signal cable shall be solid copper No. 14 unless otherwise specified in the plans or these Special Provisions). No other type of jacket will be allowed, except as follows:

The service cable may have a XLP jacket. Service cable may be single or multiple conductor cable.

Communications and lead-in cable shall have a gray or chrome jacket.

Electric cable sized No. 12 AWG and smaller shall be solid except for railroad cable, loop detector lead-in cable, emergency vehicle priority system line sensor cable and LED internally illuminated street name sign cable.

The length of cable slack shall be in accordance with District One Standard Traffic Signal Design Details.

The cable splice connection of the detector loop and the lead-in cable to the controller shall conform to Section 873 of the Standard Specifications or to the requirements set forth in the "District 1 Standard Traffic Signal Design Details".

Heat shrink splices shall be used according to "District 1 Standard Traffic Signal Design Details".

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for ELECTRIC CABLE of the type, size and number of conductors as specified., which price shall be payment in full for furnishing the material and making all electrical connections and installing the cable complete, measured as specified.

SPECIAL PROVISION FOR FIBER OPTIC CABLE

Effective: 7/1/16

Revised: 4/26/19 (removed Section 872[span and tether wire]. Installation of cable on span wire is included in Section 871.)

The installation of a fiber optic electric cable and tracer cable shall meet the requirements of Section 817 and 871 of the Standard Specifications, except as follows:

The Fiber Optic cable shall be installed in conduit or as specified on the plans.

The control cabinet distribution enclosure shall be 24 Port Fiber Wall Enclosure unless otherwise indicated on plans. The fiber optic cable shall provide twelve (12) fibers per tube for the amount of fibers called for in the Fiber Optic Cable pay item in the Contract. Fiber Optic cable may be gel filled or have an approved water blocking tape.

A minimum of six (6) multimode fibers from each cable shall be terminated with approved mechanical connectors in the distribution enclosure. Fibers not being used shall be labeled "SPARE". Fibers not attached to the distribution enclosure shall be capped. A minimum of 13 feet (4 m) of extra slack cable shall be provided for the controller cabinet. The controller cabinet extra slack cable shall be stored as directed by the Engineer.

In order to trace the fiber optic cable after installation, an XLP black insulated copper cable No. 14 AWG shall be pulled in the same conduit as the fiber optic cable. The tracer cable shall be continuous, extended into the controller cabinet and terminated on a barrier type terminal strip mounted on the side wall of the controller cabinet. The barrier type terminal strip and tracer cable shall be clearly marked and identified. The tracer cable will be allowed to be spliced at the handholes only. All tracer cable splices shall be kept to a minimum and shall incorporate maximum lengths of cable supplied by the manufacturer. The tracer cable splice shall use a Western Union Splice soldered with resin core flux and shall be soldered using a soldering iron. All exposed surfaces of the solder shall be smooth. Blow torches or other devices which oxidize copper cable shall not be allowed for soldering operations. The splice shall be covered with a black shrink tube meeting UL 224 guidelines, Type V and rated 600v, minimum length 4" (100 mm) and with a minimum 1" (25 mm) coverage over the XLP insulation, underwater grade.

Testing shall be in accordance with Article 801.13(d). Electronic files of OTDR signature traces shall be provided in the Final project documentation with certification from the Contractor that attenuation of each fiber does not exceed 3.5 dB/km nominal at 850nm for multimode fiber and 0.4 dB/km nominal at 1300nm for singlemode fiber.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F SM24F , which price shall be payment in full for furnishing the material (including connectors) and distribution enclosure and making all connections, splices and installing the cable complete, measured as specified. The tracer cable shall be paid for as ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C per FOOT (METER), which price shall include all associated labor and material for installation.

SPECIAL PROVISION FOR GROUNDING OF TRAFFIC SIGNAL SYSTEMS AND GROUNDING CABLE

Effective: 7/1/16

Revised: 4/26/19 (revised pay item name in Basis of Payment to match IDOT)

All traffic signal systems, equipment and appurtenances shall be properly grounded in strict conformance with the National Electrical Code and meet the requirements of section 806 of the Standard Specifications. See IDOT District 1 traffic signal detail plan sheets for additional information.

The grounding electrode system shall include a ground rod installed with each traffic signal controller concrete foundation and all mast arm and post concrete foundations. An additional ground rod will be required at locations where measured resistance exceeds 25 ohms. Ground rods are included in the applicable foundation or service installation pay item and will not be paid for separately. All steel ground rods shall be copper clad, a minimum of 10' (3.0 m), and 3/4" (20mm) in diameter.

Testing shall be according to Section 801.13(a) (4) and (5).

- a) The grounded conductor (neutral conductor) shall be white color coded. This conductor shall be bonded to the equipment grounding conductor only at the Electric Service Installation. All power cables shall include one neutral conductor of the same size.
- b) The equipment grounding conductor shall be green color coded. The following is in addition to Section 801.04 of the Standard Specifications.
 - 1) Equipment grounding conductors shall be XLP insulated 600V No.6 gauge copper, unless otherwise noted on the plans, and bonded to the grounded conductor (neutral conductor) only at the Electric Service Installation. The equipment grounding conductor is paid for separately and shall be continuous. The Earth shall not be used as the equipment grounding conductor.
 - 2) Equipment grounding conductors shall be bonded, using a UL Listed grounding connector, to all traffic signal mast arm poles, traffic signal posts, pedestrian posts, pull boxes, handhole frames and covers, conduits, and other metallic enclosures throughout the traffic signal wiring system, except where noted herein. Bonding shall be made with a splice and pigtail connection, using a sized compression type copper sleeve, sealant tape, and heat-shrinkable cap. A UL listed electrical joint compound shall be applied to all conductors' terminations, connector threads and contact points. Conduit grounding bushings shall be installed at all conduit terminations including spare or empty conduits. Bonding to existing handhole frames and covers shall be paid for separately.
 - 3) All metallic and non-metallic raceways containing traffic signal circuit runs shall have a continuous equipment grounding conductor, except raceways containing only detector loop lead-in circuits, circuits under 50 volts and/or fiber optic cable will not be required to include an equipment grounding conductor.
 - 4) Individual conductor splices in handholes shall be soldered and sealed with heat shrink. When necessary to maintain effective equipment grounding, a full heat shrink shall be provided over individual conductor heat shrinks.
- c) The grounding electrode conductor shall be similar to the equipment grounding conductor in color coding (green) and size. The grounding electrode conductor is used to connect the ground rod to the equipment

grounding conductor and is bonded to ground rods via exothermic welding, UL listed pressure connectors, UL listed clamps.

Grounding Cable:

The cable shall meet the requirements of Section 817.02(b) of the "Standard Specifications". Unless otherwise noted on the plans, Traffic Signal Grounding Conductor shall be one conductor, #6 gauge copper, with a green color coded XLP jacket.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6, 1C, which price shall be payment in full for furnishing labor and material including grounding clamps, cable, splicing, exothermic welds, grounding connectors conduit grounding bushings, and hardware. All ground rods shall be incidental to the cost of associated items for Concrete Foundations and Service Installation.

**SPECIAL PROVISION
FOR
GROUNDING EXISTING HANDHOLE FRAME AND COVER**

Effective: 7/1/16

Revised: N/A

This work shall consist of all materials and labor required to bond the equipment grounding conductor to the existing handhole frame and handhole cover. All installations shall meet the requirements of the details in "District 1 Standard Traffic Signal Design Details", County special provision of "Grounding of Traffic Signal Systems and Grounding Cable" and applicable portions of the Standard Specifications.

The equipment grounding conductor shall be bonded to the handhole frame and to the handhole cover. Two (2) ½-inch diameter x 1 ¼-inch long hex-head stainless steel bolts, spaced 1.75-inches apart center-to-center shall be fully welded to the frame and to the cover to accommodate a heavy duty UL listed grounding compression terminal. The grounding compression terminal shall be secured to the bolts with stainless steel split-lock washers and nylon-insert locknuts.

Welding preparation for the stainless steel bolt hex-head to the frame and to the cover shall include thoroughly cleaning the contact and weldment area of all rust, dirt and contaminates. The Contractor shall assure a solid strong weld. The welds shall be smooth and thoroughly cleaned of flux and spatter. The grounding installation shall not affect the proper seating of the cover when closed.

The grounding cable shall be paid for separately.

Method of Measurement. Units measured for payment will be counted on a per handhole basis, regardless of the type of handhole and its location.

Basis of Payment. This work shall be paid for at the contract unit price EACH for GROUNDING EXISTING HANDHOLE FRAME AND COVER which shall be payment in full for grounding handhole complete.

SPECIAL PROVISION FOR SERVICE INSTALLATION, GROUND MOUNTED

Effective: 7/1/16

Revised: 5/1/2021 (Add meter requirement)

This work shall consist of all materials and labor required to install, modify, or extend the electric service installation. All installations shall meet the requirements of the "District One Standard Traffic Signal Design Details" and requirements of section 805 of the Standard Specifications except as revised herein.

Materials.

- 1) General. The completed control panel shall be constructed in accordance with UL Std. 508A, Industrial Control Panel, and carry the UL label. Wire terminations shall be UL listed.
- 2) The cabinet shall be UL 50, NEMA Type 3R unfinished single door design with back panel. The cabinet shall be fabricated from Type 5052 H-32 aluminum with the frame and door 0.125-inch (3.175 mm) thick, the top 0.250-inch (6.350 mm) thick and the bottom 0.500-inch (12.70 mm) thick. Seams shall be continuous welded and ground smooth. The door and door opening shall be double flanged. The door shall be approximately 80% of the front surface, with a full length tamperproof stainless steel 0.075-inch (1.91 mm) thick hinge bolted to the cabinet with stainless steel carriage bolts and nylocks nuts. The locking mechanism shall be slam-latch type with a keyhole cover. The cabinet shall be sized to adequately house all required components with extra space for arrangement and termination of wiring. A minimum size of 40-inches (1000 mm) high, 16-inches (400 mm) wide and 15-inches (375 mm) in depth is required. The cabinet shall be mounted upon a square Type A concrete foundation as indicated on the plans. The foundation is paid for separately.
- 3) All enclosures shall include a green external power indicator LED light with circuitry as shown in the Electrical Service-Panel Diagram detail sheet. For ground mounted enclosures, the power indicator light shall be mounted on the side of the enclosure most visible from the major roadway.
- 4) Surge Protector. Overvoltage protection, with LED indicator, shall be provided for the 120 volt load circuit by the means MOV and thermal fusing technology. The response time shall be <5n seconds and operate within a range of -40C to +85C. The surge protector shall be UL 1449 Listed.
- 5) Circuit Breakers. Circuit breakers shall be standard UL listed molded case, thermal-magnetic bolt-on type circuit breakers with trip free indicating handles. 120 volt circuit breakers shall have an interrupting rating of not less than 65,000 rms symmetrical amperes. Unless otherwise indicated, the main disconnect circuit breaker for the traffic signal controller shall be rated 60 amperes, otherwise noted on the plans, 120 V and the auxiliary circuit breakers shall be rated 10 amperes, 120 V.
- 6) Fuses, Fuseholders and Power Indicating Light. Fuses shall be small-dimensional cylindrical fuses of the dual element time-delay type. The fuses shall be rated for 600 V AC and shall have a UL listed interrupting rating of not less than 10,000 rms symmetrical amperes at rated voltage. The power indicating light shall be LED type with a green colored lens and shall be energized when electric utility power is present.

- 7) Ground and Neutral Bus Bars. A single copper ground and neutral bus bar, mounted on the equipment panel shall be provided. Ground and neutral conductors shall be separated on the bus bar. Compression lugs, plus 2 spare lugs, shall be sized to accommodate the cables with the heads of the connector screws painted green for ground connections and white for neutral connections.
- 8) The Contractor shall notify the Commonwealth Edison Marketing Representative a minimum of 30 working days prior to the anticipated date of hook-up. This 30 day advance notification will begin only after the Commonwealth Edison Marketing Representative has received service charge payments from the Contractor. Prior to contacting the Commonwealth Edison marketing representative for service connection, the service installation controller cabinet and cable must be installed for inspection by Commonwealth Edison.
- 9) Ground Rod. Ground rods shall be copper-clad steel, a minimum of 10' (3.0 meters) in length, and 3/4" (20 mm) in diameter. Ground rod resistance measurements to ground shall be 25 ohms or less. If necessary additional rods shall be installed to meet resistance requirements at no additional cost to the contract.
- 10) If Meter is required, the electric meter housing and meter socket shall be supplied and installed by the contractor. The contractor is to coordinate the work to be performed and the materials required with the utility company to make the final connection at the power source. Electric utility required risers, weather/service head and any other materials necessary for connection shall also be included in the pay item. Materials shall be in accordance with the electric utility's requirements. For ground-mounted service, the electric utility meter housing shall be mounted to the enclosure. The meter shall be supplied by the utility company. Metered service shall not be used unless specified in the plans.

Installation.

- 1) General. The Contractor shall confirm the orientation of the traffic service installation and its door side with the engineer, prior to installation. All conduit entrances into the service installation shall be sealed with a pliable waterproof material.
- 2) The service installation shall be mounted plumb and level on the foundation and fastened to the anchor bolts with hot-dipped galvanized or stainless steel nuts and washers. The space between the bottom of the enclosure and the top of the foundation shall be caulked at the base with silicone.

The Contractor must request in writing for service and/or service modification within ten (10) days of contract award and must follow-up with the electric utility to assure all necessary documents and payment are received by the utility. The Contractor shall forward copies of all correspondence between the Contractor and utility company to the County Design Engineer. The loading form to be sent to the utility company shall be furnished by the County Design Engineer. The service agreement and sketch shall be submitted for signature to the County Design Engineer.

The Contractor shall make connections to the line side of the circuit breaker and install the remainder of the electric cable in the conduit to the Commonwealth Edison transformer pad or pole.

The Commonwealth Edison contact phone number is 866-639-3532.

Basis of Payment. This work will be paid for at the contract unit price EACH for SERVICE INSTALLATION, GROUND MOUNTED, which price shall be payment in full-for furnishing and installing the service installation complete. The Type A concrete foundation which includes the ground rod shall be paid for separately. Any charges by the utility company to provide electrical services to the service installation will be paid for in accordance with Article 109.05 of the Standard Specifications.

SPECIAL PROVISION FOR HANDHOLE

Effective: 7/1/16 Revised: 5/1/21 (Add handhole legend)

The installation of a handhole shall meet the requirements of Section 814 of the Standard Specifications, with the addition as the following:

All handholes shall be concrete poured in place against undisturbed earth. No pre-cast concrete handholes will be accepted.

The handholes shall have an inside dimension of 21-1/2" (549 mm) minimum. Frames and lid openings shall match this dimension.

The cover of the handhole shall be labeled "TRAFFIC SIGNALS" with legible raised letters. Only handholes serving CCDOTH and IDOT traffic signal equipment shall have this label. Handhole covers for Red Light Running Cameras shall be labeled "RLRC".

All conduits will enter the handhole at a depth of 30" (760 mm) except for the conduits between the curb and handhole for detector loops when the handhole is less than five (5) feet (1.52 m) from the detector loop. All conduit ends should be sealed with a waterproof sealant to prevent the entrance of contaminants into the handhole.

For grounding purposes the handhole frame shall have provisions for a 7/16" (15.875 mm) diameter stainless bolt cast into the frame. The covers shall have a stainless steel threaded stint extended from the eye hook assembly for the purpose of attaching the grounding conductor to the handhole frame and cover.

The minimum wall thickness for heavy duty hand holes shall be 12 inches (300 mm).

Steel cable hooks shall be coated with hot-dipped galvanization in accordance with AASHTO Specification M111. Hooks shall be a minimum of 1/2 inch (12.7mm) diameter with two 90 degree bends and extend into the handhole at least 6 inches (150 mm). Hooks shall be placed a minimum of 12 inches (300 mm) below the lid or lower if additional space is required.

The French drain shall be constructed of crushed stone or gravel, Gradation CA 5 or CA 7, and according to Section 601 of the Standard Specifications.

Basis of Payment. This work will be paid for at the contract unit price EACH for HANDHOLE, HEAVY-DUTY HANDHOLE, or DOUBLE HANDHOLE, which price shall be payment in full for all necessary excavating, backfilling, disposal of unsuitable materials, and furnishing all materials within the limits of the handhole.

**SPECIAL PROVISION
FOR
REBUILD EXISTING HANDHOLE,
REBUILD EXISTING HEAVY DUTY HANDHOLE,
REBUILD EXISTING DOUBLE HANDHOLE**

Effective: 7/1/16

Revised: N/A

This item shall consist of rebuilding a handhole, heavy duty handhole and/or double handhole at location(s) as shown on the plans or as directed by the Engineer. The work shall consist of removing the frame and cover and the walls of the handhole to a depth of fifteen (15) inches (380 mm) below finished grade.

Upon completion of the above work, for handhole and heavy duty handhole four (4) holes, for the double handhole six (6) holes, four (4) inches (100 mm) in depth and one half (1/2) inch (15 mm) in diameter, shall be drilled into the remaining concrete, for handhole and heavy duty handhole one (1) hole centered on each wall and for the double handhole one (1) hole centered on each side wall and two (2) holes evenly spaced on the front and back walls. Number 3 steel dowels eight (8) inches (200 mm) in length shall be furnished and installed in the drilled holes with masonry epoxy.

All concrete debris shall be removed from the right-of-way to a location approved by the Engineer.

The area adjacent to each wall of the handhole shall be excavated to allow forming. All steel hooks (galvanized), frame and cover and concrete shall be provided to construct a rebuilt handhole, heavy duty handhole or double handhole according to applicable portions of Section 814 of the Standard Specifications. If the Contractor damages the existing frame and cover, the Contractor shall be responsible for replacing the frame and cover at no cost to the County.

Any pavement or asphalt surface removal required to install the new concrete shall have straight and neat edges using a method approved by the Engineer. Care shall be taken to protect the existing traffic signal cable. Any cable damage shall be reported immediately and repaired as directed by the Area Traffic Signal Engineer.

Rebuild Existing Handhole to Heavy-Duty Handhole;

All steel hooks, handhole frame, cover, and concrete shall be provided to construct a rebuilt heavy duty handhole according IDOT Standard.

Basis of Payment. This work will be paid for at the contract unit price EACH for REBUILD EXISTING HANDHOLE, REBUILD EXISTING HEAVY DUTY HANDHOLE, REBUILD EXISTING DOUBLE HANDHOLE, REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE which price shall be payment in full for all labor, all materials, and equipment necessary to complete the work described above and as indicated in the Plans.

SPECIAL PROVISION FOR CONCRETE FOUNDATION

Effective: 7/1/16

Revised: 5/1/21 (Add a new pay item)

The installation of a concrete foundation shall meet the requirements of Section 106.01, 878 and 1006.09 of the Standard Specifications, the Standard Drawing for Concrete Foundations and District One Standard Traffic Signal Design Details with the addition as the following:

All anchor bolts shall be according to Section 1006.09, except all anchor bolts shall be hot dipped galvanized a minimum of 12 in. (300 mm) from the threaded end.

All iron and steel products, which are to be incorporated into work shall be domestically manufactured or produced and fabricated. The contractor shall obtain from the iron or steel producer and/or fabricator, in addition to the mill analysis, a certification that all iron or steel materials meet these domestic source requirements.

Foundations used for Combination Mast Arm Poles shall provide an extra 2-1/2 inch (65 mm) raceway.

No foundation is to be poured until the Resident Engineer gives approval as to the depth of the foundation.

Basis of Payment: This work will be paid for at the contract unit price per FOOT (METER) of depth for

CONCRETE FOUNDATION, TYPE A
CONCRETE FOUNDATION, TYPE A – 12" Dia.
CONCRETE FOUNDATION, TYPE C
CONCRETE FOUNDATION, TYPE D
CONCRETE FOUNDATION, TYPE E - 30" (750 mm) Dia.
CONCRETE FOUNDATION, TYPE E - 36" (900 mm) Dia.
CONCRETE FOUNDATION, TYPE E - 42" (900 mm) Dia.

which price shall be payment in full for all necessary excavating or drilling, back filling, disposal of unsuitable material, form work, ground rods and furnishing all materials within the limits of the foundation. The concrete apron in front of the cabinet and UPS shall be included in this pay item.

**SPECIAL PROVISION
FOR
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT**

Effective: 7/1/16

Revised: 4/26/19 (minor text revision)

The removal of existing traffic signal equipment shall meet the requirements of Article 895.05 of the Standard Specifications, except as follows:

This work shall consist of removing the existing traffic signal equipment at an intersection as listed and as shown on the plans.

All equipment to be returned to an Agency shall be delivered by the Contractor to the Agency's Traffic Signal Maintenance Contractor's main facility. The Contractor shall contact the Agency's Electrical Maintenance Contractor to schedule an appointment to deliver the equipment. No equipment will be accepted without a prior appointment. All equipment shall be delivered within 30 days of removing it from the traffic signal installation. The Contractor shall provide 5 copies of a list of equipment that is to remain the property of the Agency, including model and serial numbers, where applicable. A list of equipment shall be signed by the Agency's Electrical Maintenance Contractor and mail to the County Engineer. The Contractor shall also provide a copy of the contract plan or special provision showing the quantities and type of equipment. Controllers and peripheral equipment from the same location shall be boxed together (equipment from different locations may not be mixed) and all boxes and controller cabinets shall be clearly marked or labeled with the location from which they were removed. If equipment is not returned with these requirements, it will be rejected by the Agency's Electrical Maintenance Contractor. The Contractor shall be responsible for the condition of the traffic signal equipment from the time Contractor takes maintenance of the signal installation until the acceptance of a receipt drawn by the Agency's Electrical Maintenance Contractor indicating the items have been returned in good condition.

The traffic signal equipment which is to be removed and is to become the property of the Contractor shall be disposed of by them outside the right-of-way at their expense.

All equipment is to be disassembled so as to make for easy loading and storage into Agency stock as per the Engineers instructions.

Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of these Specifications at no cost to the contract.

Basis of Payment. This work will be paid for at the contract unit price EACH for REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT per intersection which price shall be payment in full for removing the equipment, and storing and/or disposing of it as required. The salvage value of the equipment retained by the Contractor shall be reflected in this contract unit price.

SPECIAL PROVISION FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION

Effective: 7/1/16

Revised: 4/26/19 (minor revisions throughout, deleted part g from last page)

This item shall consist of furnishing, installing, maintaining and removing a temporary traffic signal installation at an existing intersection as shown on the plans and as described herein including but not limited to temporary signal heads, emergency vehicle priority systems, interconnect, vehicle detectors, uninterruptible power supply, and signing. Temporary traffic signal controllers and cabinets interconnected to railroad traffic control devices shall be new. When temporary traffic signals will be operating within a county or local agency Traffic Management System, the equipment must be NTCIP compliant and compatible with the current operating requirements of the Traffic Management System.

The energy charges for the operation of the traffic signal installation shall be paid for by others if the installation is replacing an existing signal. Otherwise charges shall be paid for under Section 109.05 of the Road Specifications.

Only an approved Equipment Vendor will be allowed to assemble the temporary traffic signal cabinet. Only controllers supplied by an approved Equipment Vendor will be approved for use on temporary traffic signals. Only an approved Closed Loop Equipment Vendor shall assemble and test a temporary railroad interconnected traffic signal cabinet. (Refer to Traffic Actuated Controller Specification). A representative of the approved control Equipment Vendor shall be present at the temporary traffic signal turn-on inspection.

The installation of a temporary traffic signal installation shall meet the requirements of Section 890 and 801.11 of the Standard Specifications and the Standard Drawings, except as follows:

Equipment. The Contractor shall provide the following:

- All control equipment for the temporary traffic signals shall be furnished by the Contractor unless otherwise stated in the plans. On projects with multiple temporary traffic signal installations, all controllers shall be of the same manufacturer brand and model number with current software installed.
- Only controllers supplied by one of the Cook County Department of Transportation and Highways approved closed loop equipment manufacturers will be approved for use at temporary signal locations. Controllers used for temporary traffic signals shall be fully actuated NEMA microprocessor based with RS232 data entry ports compatible with the latest revision of monitoring software approved CCDOTH or District 1 installed in NEMA TS2 cabinets with 8 phase back panels, capable of supplying 255 seconds of cycle length and individual phase length settings up to 99 seconds. On projects with one lane open and two way traffic flow, such as bridge deck repairs, the temporary signal controller shall be capable of providing an adjustable all red clearance setting of up to 30 seconds in length.
- All temporary traffic signal controllers shall meet or exceed the requirements of section 857 with regards to internal time coordination and preemption. The controller settings shall be set in the field as directed by the Engineer.

- All railroad interconnected temporary controllers, cabinets and peripheral equipment shall be new and shall satisfy the requirements of Article 857.02 of the Standard Specifications as modified herein. Only controllers and cabinet supplied by one of the IDOT district 1 approved closed loop equipment manufactures will be allowed.
- All temporary traffic signal cabinets shall have a closed bottom made of aluminum alloy. The bottom shall be sealed along the entire perimeter of the cabinet base to ensure a water, dust and insect-proof seal. The bottom shall provide a minimum of two (2) 100 mm (4 inch) diameter holes to run the electric cables through. The 100 mm (4 inch) diameter holes shall have a bushing installed to protect the electric cables and shall be sealed after the electric cables are installed.
- Grounding shall be provided for the temporary traffic signal cabinet meeting or exceeding the applicable portions of the National Electrical Code, Section 806 of the Standard Specifications and shall meet the requirements of the District 1 and Cook County Traffic Signal Specifications for "Grounding of Traffic Signal Systems".
- All traffic signal sections shall be of the 12" (300 mm) type and Pedestrian signal sections shall be 16 inch (406mm) x 18 inch (457mm). Traffic signal section shall be LED with expandable view, unless otherwise approval by the Engineer. Pedestrian signal heads shall be Light Emitting Diode (LED) Pedestrian Countdown Signal Heads except when a temporary traffic signal is installed at an intersection interconnected with a railroad grade crossing. When a temporary traffic signal is installed at an intersection interconnected with a railroad grade crossing, Light Emitting Diode (LED) Pedestrian Signal Heads shall be furnished. The temporary traffic signal heads shall be placed as indicated on the temporary traffic signal plan or as directed by the Engineer. If no traffic staging is in place or will not be staged on the day of the turn on, the temporary traffic signal installation shall have the signal head displays, signal head placements and controller phasing match the existing traffic signal, at the time of the turn on. The Contractor shall furnish enough cable slack to relocate heads to any position on the span wire or at locations illustrated on the plans for construction staging. The temporary traffic signal shall remain in operation during all signal head relocations. Each temporary traffic signal head shall have its own cable from the controller cabinet to the signal head. Signal heads shall be mounted no less than 17-ft and no more than 25-ft above the crown of the roadway. Signal heads with backplates shall be measured from the bottom of the backplate for minimum clearance and from the top signal section for maximum clearance.

Interconnect.

1. Temporary traffic signal interconnect shall be provided using fiber optic cable or wireless interconnect technology as specified in the plans. The Contractor may request, in writing, to substitute the fiber optic temporary interconnect indicated in the contract documents with a wireless interconnect. The Contractor must provide assurances that the radio device will operate properly at all times and during all construction staging. If approved for use by the Engineer, the Contractor shall submit marked-up traffic signal plans indicating locations of radios and antennas and installation details. If wireless interconnect is used, and in the opinion of the engineer, it is not viable, or if it fails during testing or operations, the Contractor shall be responsible for installing all necessary poles, fiber optic cable, and other infrastructure for providing temporary fiber optic interconnect at no cost to the contract.

2. The existing system interconnect and phone lines are to be maintained as part of the Temporary Traffic Signal Installation specified for on the plan. The interconnect shall be installed into the temporary controller cabinet as per the notes or details on the plans. All labor and equipment required to install and maintain the existing interconnect as part of the Temporary Traffic Signal Installation shall be included in the item Temporary Traffic Signal Installation. When shown in the plans, temporary traffic signal interconnect equipment shall be furnished and installed. The temporary traffic signal interconnect shall maintain interconnect communications throughout the entire signal system for the duration of the project. Any temporary signal within an existing closed loop traffic signal system shall be interconnected to that system using similar brand control equipment at no additional cost to the contract.
3. Temporary wireless interconnect, complete. The radio interconnect system shall be compatible with Eagle/Siemens or Econolite controller closed loop systems. This item shall include all materials, labor and testing and all temporary wireless interconnect components, at the adjacent existing traffic signal(s) to provide the completely operational closed loop system as shown on the plans. The radio interconnect system shall include the following components:
 - a. Rack or Shelf Mounted RS-232 Frequency Hopping Spread Spectrum (FHSS) Radio
 - b. Software for Radio Configuration (Configure Frequency and Hopping Patterns)
 - c. Antennas (Omni Directional or Yagi Directional)
 - d. Antenna Cables, LMR400, Low Loss. Max. 100-ft from controller cabinet to antenna
 - e. Brackets, Mounting Hardware, and Accessories Required for Installation
 - f. RS232 Data Cable for Connection from the radio to the local or master controller
 - g. All other components required for a fully functional radio interconnect system

All controller cabinet modifications and other modifications to existing equipment that are required for the installation of the radio interconnect system components shall be included in this item.

The radio interconnect system may operate at 900Mhz (902-928) or 2.4 Ghz depending on the results of a site survey. The telemetry shall have an acceptable rate of transmission errors, time outs, etc. comparable to that of a hardwire system.

The proposed or existing master controller and telemetry module shall be configured for use with the radio interconnect at a minimum rate of 9600 baud.

The radio interconnect system shall include all other components required for a complete and fully functional telemetry system and shall be installed in accordance to the manufacturers recommendations.

- All existing street name and intersection regulatory signs shall be removed from existing poles and relocated and securely fastened to the signal span wire. The signs shall be relocated to the new and/ or existing mast arm poles and posts at no extra cost. Any intersection regulatory signs that are required for the temporary traffic signal shall be provided as shown on the plans or as directed by the Engineer. Relocation, removing, bagging and installing the regulatory signs for the various construction stages shall be provided as shown on the plans or as directed by the Engineer.

- If lighted signs are existing they shall be taken down and stored by the Contractor and reflective street name signs shall be installed on the temporary signal. The existing lighted sign shall be installed at the updated intersection as part of the pay item Relocate Existing Illuminated Street Name Sign.
- All emergency vehicle preemption equipment (light detectors, light detector amplifiers, confirmation beacons, etc.) as shown on the temporary traffic signal plans shall be provided by the Contractor. It shall be the Contractor's responsibility to contact the municipality or fire district to verify the brand of emergency vehicle preemption equipment to be installed prior to the contract bidding. The equipment must be completely compatible with all components of the equipment currently in use by the Agency. All light operated systems shall operate at a uniform rate of 14.035 Hz $\pm$ 0.002, or as otherwise required by the Engineer, and provide compatible operation with other light systems currently being operated in the County. All labor and material required to install and maintain the emergency vehicle pre-emption installation shall be included in the item Temporary Traffic Signal Installation.
- All temporary traffic signal installations shall have vehicle detection installed as shown on the plans, or as directed by the Engineer. Pedestrian push buttons shall be provided for all pedestrian signal heads/phases as shown on the plans or as directed by the Engineer. All approaches shall have vehicular detection provided by Vehicle Detection System as shown on the plans or as directed by the Engineer. Video vehicle detection system shall be approved by CCDOTH prior to Contractor furnishing and installing. The Contractor shall install, wire, and adjust the alignment of the video vehicle detection system in accordance to the manufacturer's recommendations and requirements. The Contractor shall be responsible for adjusting the alignment of the video vehicle detection system for all construction staging changes and for maintaining proper alignment throughout the project. A representative of the approved control equipment vendor and the video detection vendor shall be present and assist the contractor in setting up and maintaining the video vehicle detection system. An in-cabinet video monitor shall be provided with all video vehicle detection systems and shall be included in the item Temporary Traffic Signal Installation.
- All temporary traffic signal installations shall have Uninterruptable Power Supply (UPS). The UPS cabinet shall be mounted to the temporary traffic signal cabinet and meet the requirements of Uninterruptable Power Supply in Section 862 of the Standard Specification and as modified in the Uninterruptible Power Supply special provision.

All labor and material required to comply with these requirements shall be included in the bid price of temporary traffic signal installation.

Maintenance Procedures. The Contractor shall perform the following maintenance procedures for each temporary installation designated to remain in operation during construction.

The Contractor Shall:

- Have on staff electricians with IMSA Level II certification to provide signal maintenance.
- Patrol and inspect each installation every two (2) weeks for proper alignment of signal heads, light detectors, lamp failures, and general operation of the traffic signal.

- Check all controllers every two (2) weeks, which will include visually inspecting all timing intervals, relays, detectors, and pre-emption equipment to insure that they are functioning properly. This item includes, as routine maintenance, all portions of emergency vehicle pre-emption equipment.
- Provide immediate corrective action to replace burned out lamps or damaged sockets. When lamps are replaced, the reflector and lens shall be cleaned. All replacement lamps shall meet the approval of the Engineer. The Contractor shall repair or replace all defective equipment from any cause whatsoever.
- Maintain in stock at all times a sufficient amount of materials and equipment to provide effective temporary and permanent repairs.
- Provide immediate corrective action when any part or parts of the system fail to function properly. Two far side heads facing each approach shall be considered the minimum acceptable signal operation pending permanent repairs. A near right signal must also be maintained. When repairs at a signalized intersection require that the controller be disconnected and power is available, the Contractor shall place the traffic signal installation on flashing operation. The signals shall flash RED for all directions unless a different indication has been specified by the Engineer.
- The Contractor is required to place stop signs (R1-1-36) at each approach to the intersection as a temporary means of regulating traffic. The Contractor shall furnish and equip all their vehicles assigned to the maintenance of traffic signal installations with a sufficient number of Stop Signs as specified herein. The Contractor shall maintain sufficient number of spare Stop Signs in stock at all times to replace Stop Signs which may be damaged or stolen.
- Replace defective or damaged equipment. If the proper sequence with full detection cannot be obtained immediately, a controller which will provide the proper sequence and full detection shall be installed within twelve (12) hours of removal of the original controller.
- The Contractor shall be required to maintain the existing type of equipment and sequence of operations during the period of time that the original control equipment is being overhauled
- Provide the Engineer with the names, addresses, and telephone numbers of two (2) persons qualified and assigned to the maintenance of the traffic signal installation. These people must be made available 24 hours per day, each and every day of the year for emergency calls by the Engineer.
- Respond to all emergency calls from the Department or municipality within one hour after notification and provide immediate corrective action. When equipment has been damaged or becomes faulty beyond repair, the Contractor shall replace it with new and identical equipment. The cost of furnishing and installing the replaced equipment shall be borne by the Contractor at no additional charge to the State or County. The Contractor may institute action to recover damages from a responsible third party. If at any time the Contractor fails to perform all work as specified herein to keep the temporary traffic signal installation in proper operating condition or if the Engineer cannot contact the Contractor's designated personnel, the Engineer shall have the State's or the County's Electrical Maintenance Contractor perform the maintenance work required. The State's or County's Electrical Maintenance Contractor shall bill the Contractor for the total cost of the work. The Contractor shall be responsible for all of the Electrical Maintenance Contractor's cost and liquidated damages of \$1000 per day per occurrence. The contractor

shall pay this bill within thirty (30) days of the date of receipt of the invoice or the cost of such work will be deducted from the amount due the Contractor.

- Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause, shall be the responsibility of the municipality or the Automatic Traffic Enforcement Company per Permit agreement.
- The Contractor shall be responsible to clear snow, ice, dirt, debris or other condition that obstructs visibility of any traffic signal display.

When temporary traffic signals are to be installed at locations where existing signals are presently operating, the Contractor shall be fully responsible for the maintenance of the existing signal installation as soon as any physical work begins on the contract or any portion thereof until which time the temporary signals are functioning and the existing signals are removed. In addition, a minimum of seven days prior to assuming maintenance of the existing traffic signal installation(s) under this contract, the Contractor shall request that the Resident Engineer contact the Design Engineer at (312) 603-1730 for an inspection of the Installation(s). The Design Engineer shall establish a date and time of inspection and at this time shall check the installation to determine if any corrective work should be done by the State's or County's Electrical Maintenance Contractor or the Municipalities Contractor prior to the Contractor taking over maintenance of the installation. The Resident Engineer, Engineer, and the Contractor shall mutually agree on the date of maintenance transfer to the Contractor for this section.

Temporary Traffic Signals for bridge projects shall follow the State Standards, Standard Specifications, Cook County Specifications and any plans for Bridge Temporary Traffic Signals included in the plans. The installation shall meet the Standard Specifications and all other requirements in this "Temporary Traffic Signal Installation" specification. In addition all electric cable shall be aerially suspended, at a minimum height of 18 feet (5.5 m), on temporary wood poles (Class 5 or better) of 45 feet (13.7 m), minimum height. The signal heads shall be span wire mounted or bracket mounted to the wood pole as shown in the plans or as directed by the Engineer. The Controller cabinet shall be mounted to the wood pole or as directed by the Engineer. Video vehicle detection may be used in place of the detector loops as approved by the Engineer.

Temporary Portable Traffic Signal for Bridge Projects.

1. Unless otherwise directed by the Engineer, temporary portable traffic signals shall be restricted to use on roadways of less than 8000 ADT that have limited access to electric utility service, shall not be installed on projects where the estimated need exceeds ten (10) weeks, and shall not be in operation during the period of November through March. The Contractor shall replace the temporary portable traffic signals with temporary span wire traffic signals noted herein at no cost to the contract if the bridge project or Engineer requires temporary traffic signals to remain in operation into any part of period of November through March. If, in the opinion of the engineer, the reliability and safety of the temporary portable traffic signal is not similar to that of a temporary span wire traffic signal installation, the Contractor shall replace the temporary portable traffic signals with temporary span wire traffic signals noted herein at no cost to the contract.
2. The controller and LED signal displays shall meet the Standard Specifications and all other requirements in this TEMPORARY TRAFFIC SIGNAL INSTALLATION specification".

3. Work shall be according to Article 701.18(b) of the Standard Specifications except as noted herein.

4. General.

- a. The temporary portable bridge traffic signals shall be trailer-mounted units. The trailer-mounted units shall be set up securely and level. Each unit shall be self-contained and consist of two signal heads. The left signal head shall be mounted on a mast arm capable of extending over the travel lane. Each unit shall contain a solar cell system to facilitate battery charging. There shall be a minimum of 12 days backup reserve battery supply and the units shall be capable of operating with a 120 V power supply from a generator or electrical service.
- b. All signal heads located over the travel lane shall be mounted at a minimum height of 17 feet (5m) from the bottom of the signal back plate to the top of the road surface. All far right signal heads located outside the travel lane shall be mounted at a minimum height of 8 feet (2.5m) from the bottom of the signal back plate to the top of the adjacent travel lane surface.
- c. The long all red intervals for the traffic signal controller shall be adjustable up to 250 seconds in one-second increments.
- d. As an alternative to detector loops, temporary portable bridge traffic signals may be equipped with video detection or other approved methods of vehicle detection and traffic actuation.
- e. All portable traffic signal units shall be interconnected using hardwire communication cable. Radio communication equipment may be used only with the approval of the Engineer. If radio communication is used, a site analysis shall be completed to ensure that there is no interference present that would affect the traffic signal operation. The radio equipment shall meet all applicable FCC requirements.
- f. The temporary portable bridge traffic signal system shall meet the physical display and operational requirements of conventional traffic signals as specified in Part IV and other applicable portions of the currently adopted version of the Manual on Uniform Traffic Control Devices (MUTCD). The signal system shall be designed to continuously operate over an ambient temperature range between -30 °F (-34 °C) and 120 °F (48 °C). When not being utilized to inform and direct traffic, portable signals shall be treated as nonoperating equipment according to Article 701.11.

Basis of Payment: This work will be paid for at the contract unit price EACH for TEMPORARY TRAFFIC SIGNAL INSTALLATION, TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION or TEMPORARY PORTABLE BRIDGE TRAFFIC SIGNAL INSTALLATION, which price shall include all costs for the modifications required for traffic staging, changes in signal phasing as required in the Contract plans, video vehicle detection system, any maintenance or adjustment to the video vehicle detection system, the wireless interconnect system complete, fiber optic interconnect system complete all material required, the installation and complete removal of the temporary traffic signal. Sixty percent of the bid price will be paid following approval of each installation. The remaining 40 percent will be paid following removal of each installation.

SPECIAL PROVISION FOR MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

Effective: 1/1/18

Revised: N/A

This item shall consist of maintaining the existing traffic signal installation at an intersection as shown on the plans and as described herein. Full maintenance responsibility shall start as soon as the Contractor begins any physical work on the contract or any portion thereof. If Contract work is started prior to a traffic signal inspection, maintenance of the traffic signal installation(s) will be transferred to the Contractor without an inspection. The energy charges for the operation of the traffic signal installation shall be paid for by others. The maintenance of an existing traffic signal installation shall meet the requirements of Section 801.11 and 850 of the Standard Specifications except as follows:

This item shall include maintenance of all traffic signal equipment at the intersection, including emergency vehicle pre-emption equipment, master controllers, uninterruptible power supply (UPS and batteries), telephone service installations, communications cables, flashing beacons, PTZ cameras, vehicle detection, handholes, lighted signs and conduit to adjacent intersections, and other traffic signal equipment, but shall not include Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, or peripheral equipment, not owned by the State and County. This equipment is operated and maintained by the local municipality and should be de-activated while on contractor maintenance.

Regional transit, County, State and other agencies may also have equipment connected to existing traffic signal or peripheral equipment such as PTZ cameras, switches, transit signal priority (TSP and BRT) servers, radios and other devices that shall be included with traffic signal maintenance at no additional cost to the contract.

Seven days prior to assuming maintenance of the existing traffic signal installation(s) under this contract, the Contractor shall request that the Resident Engineer contact the Cook County Design Engineer at (312) 603-1730 for an inspection of the installation(s). The Design Engineer shall establish a date and time of inspection and at this time shall check the installation to determine if any corrective work should be done by the State, the County, or the Municipalities Electrical Maintenance Contractor prior to the Contractor taking over the maintenance of the installation(s). The Resident Engineer, the Design Engineer, and the State, County, or Municipality Maintenance Contractor and the Contractor shall mutually agree on the date of maintenance transfer to the Contractor for this contract.

Maintenance Procedures The Contractor shall perform the following maintenance procedures for each existing installation designated to remain in operation during construction:

- Have on staff electricians with IMSA Level II certification to provide signal maintenance. A copy of the certification shall be immediately available upon request of the Engineer.
- Patrol and inspect each installation every two (2) weeks for proper alignment of signal heads, light detectors, lamp failures, and general operation of the traffic signal.

- Check all controllers every two (2) weeks, which will include visually inspecting all timing intervals, relays, detectors, and pre-emption equipment to ensure that they are functioning properly. This item includes, as routine maintenance, all portions of emergency vehicle pre-emption equipment. The Contractor shall check signal system communications and phone lines to assure proper operation. This item includes, as routine maintenance, all portions of emergency vehicle pre-emption equipment. Prior to the traffic signal maintenance transfer, the contractor shall supply a detailed maintenance schedule that includes dates, locations, names of electricians providing the required checks and inspections along with any other information requested by the Engineer.
- Provide immediate corrective action to replace burned out lamps or damaged sockets. When lamps are replaced, the reflector and lens shall be cleaned. All replacement lamps shall meet the approval of the Engineer. The Contractor shall repair or replace all defective equipment from any cause whatsoever.
- Maintain in stock at all times a sufficient amount of materials and equipment to provide effective temporary and permanent repairs.
- Provide immediate corrective action when any part or parts of the system fail to function properly. Two far side heads facing each approach shall be considered the minimum acceptable signal operation pending permanent repairs. A near right signal must also be maintained. When repairs at a signalized intersection require that the controller be disconnected or otherwise removed from normal operation, and power is available, the Contractor shall place the traffic signal installation on flashing operation. The signals shall flash RED for all directions unless a different indication has been specified by the Engineer. The Contractor is required to place stop signs (R1-1-36) at each approach to the intersection as a temporary means of regulating traffic. When the signals operate in flash, the Contractor shall furnish and equip all his vehicles assigned to the maintenance of traffic signal installations with a sufficient number of Stop Signs as specified herein. The Contractor shall maintain sufficient number of spare Stop Signs in stock at all times to replace Stop Signs which may be damaged or stolen.
- Replace defective or damaged equipment. If the proper sequence with full detection cannot be obtained immediately, a controller which will provide the proper sequence and full detection shall be installed within twelve (12) hours of removal of the original controller.
- The Contractor shall be required to maintain the existing type of equipment and sequence of operations during the period that the original control equipment is being overhauled
- Provide the Engineer with the names, addresses, and telephone numbers of two (2) persons qualified and assigned to the maintenance of the traffic signal installation. These people must be made available 24 hours per day, each day of the year for emergency calls by the Engineer.
- Respond to all emergency calls from the Department or others within one hour after notification and provide immediate corrective action. When equipment has been damaged or becomes faulty beyond repair, the Contractor shall replace it with new and identical equipment. The cost of furnishing and installing the replaced equipment shall be borne by the Contractor at no additional charge to the State or County. The Contractor may institute action to recover damages from a responsible third party. If at any time the Contractor fails to perform all work as specified herein to keep the traffic signal installation in proper operating condition or if the Engineer cannot contact the Contractor's designated personnel, the

Engineer shall have the State's or the County's Electrical Maintenance Contractor perform the maintenance work required. The State's or County's Electrical Maintenance Contractor shall bill the Contractor for the total cost of the work. The Contractor shall be responsible for all of the Electrical Maintenance Contractor's cost and liquidated damages of \$1000 per day per occurrence. The contractor shall pay this bill within thirty (30) days of the date of receipt of the invoice or the cost of such work will be deducted from the amount due the Contractor. The Contractor shall allow the Electrical Maintenance Contractor to make reviews of the Existing Traffic Signal Installation that has been transferred to the Contractor for Maintenance.

- Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of the Standard Specifications and these special provisions.
- Any proposed activity in the vicinity of a highway-rail grade crossing must adhere to the guidelines set forth in the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) regarding work in temporary traffic control zones in the vicinity of highway-rail grade crossings which states that lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the railroad tracks. If the queuing of vehicles across the tracks cannot be avoided, a uniformed law enforcement officer or flagger shall be provided at the crossing to prevent vehicles from stopping on the tracks, even if automatic warning devices are in place.
- Equipment included in this item that is damaged or not operating properly from any cause shall be replaced with new equipment meeting current District One traffic signal specifications and provided by the Contractor at no additional cost to the Contract and/or owner of the traffic signal system, all as approved by the Engineer. Final replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal installation will not be accepted. Cable splices outside the controller cabinet shall not be allowed.
- Automatic Traffic Enforcement equipment, such as Red-Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause, shall be the responsibility of the municipality or the Automatic Traffic Enforcement Company per Permit agreement.
- The Contractor shall be responsible to clear snow, ice, dirt, debris or other condition that obstructs visibility of any traffic signal display.
- The Contractor shall maintain the traffic signal in normal operation during short or long-term loss of utility or battery back-up power at critical locations designated by the Engineer. Critical locations may include traffic signals interconnected to railroad warning devices, expressway ramps, intersection with an SRA route, critical corridors or other locations identified by the Engineer. Temporary power to the traffic signal must meet applicable NEC and OSHA guidelines and may include portable generators and/or replacement batteries.
- Temporary replacement of damaged or knockdown of a mast arm pole assembly shall require construction of a full or partial span wire signal installation or other method approved by the Engineer to assure signal heads are located overhead and over traveled pavement. Temporary replacement of mast arm mount signals with post mount signals will not be permitted.

- Any shutdown of the traffic signal installation, which exceeds fifteen (15) minutes, must have prior approval of the Engineer. Approval to shut down the traffic signal installation will only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Shutdowns shall not be allowed during inclement weather or holiday periods.

Basis of Payment. This work will be paid for at the contract unit price EACH for MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION, which price shall be payment in full for all materials, equipment, and labor necessary to maintain the existing traffic signals. Each intersection shall be paid for separately. Maintenance of a standalone and or not connected flashing beacon shall be paid for at the contract unit price EACH for MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION. Each flashing beacon will be paid for separately. Following the completion of the traffic signal maintenance transfer to the Contractor, 30 percent of the bid price will be paid. Following the traffic signal maintenance transfer to County, state and/or local agency, 30 percent of the bid price will be paid. The remaining 40 percent will be paid when all items on the punch list are done to the satisfaction of the engineer.

**SPECIAL PROVISION
FOR
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT**

Effective: 7/1/16

Revised: N/A

This item shall consist of relocating the existing emergency vehicle priority system light detector (single or dual channel) from an existing traffic signal mast arm or post to the new traffic signal mast arm or post and connecting it to an emergency vehicle priority system phasing unit as indicated in the plans or as directed by the Engineer. If the existing Emergency Vehicle Priority System, Detector Unit Assembly includes a Confirmation Beacon, the Confirmation Beacon shall also be relocated and connected to the Emergency Vehicle Priority System, Detector Unit and shall be included at no cost in this item.

The work shall include disconnecting light detector and reconnecting it to the new cable.

The emergency vehicle system is not to be inoperative for more than -eight (8) hours and the Contractor must notify the municipality or Fire Protection District seventy-two (72) hours prior to the disconnection of the equipment.

Basis of Payment. This item will be paid for at the contract unit price EACH for RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT which price shall be payment in full for disconnecting the existing light detector, relocating and connecting the light detector to the new cable complete and operating to the satisfaction of the Engineer. The relocating and connecting the existing confirmation beacon shall be included in the pay item for RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT.

**SPECIAL PROVISION
FOR
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT**

Effective: 7/1/16

Revised: N/A

This item shall consist of relocating the existing emergency vehicle priority system phasing unit (light detector amplifier) from an existing traffic signal controller to the new traffic signal controller cabinet, as indicated in the plans or as directed by the Engineer.

The work shall include disconnecting the emergency vehicle priority system phasing unit(s) (light detector amplifier) and reconnecting it/them to a new wiring harness which is to be factory wired into the new traffic signal controller cabinet.

The emergency vehicle system is not to be inoperative for more than eight (8) hours and the Contractor must notify the municipality or Fire Protection District seventy-two (72) hours prior to the disconnecting of the equipment.

Basis of Payment. This item will be paid for at the contract unit price EACH for RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT which price shall be payment in full for disconnecting the existing phasing unit (light detector amplifier), relocating and connecting the phasing unit (light detector amplifier) to the new wiring harness at its new location complete and operating to the satisfaction of the Engineer.

SPECIAL PROVISION FOR RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM

Effective: 7/1/16

Revised: 5/1/21 (Revise phone number)

Description. This work shall consist of re-optimizing a closed loop traffic signal system according to the following Levels of work.

LEVEL I applies when improvements are made to an existing signalized intersection within an existing closed loop traffic signal system. The purpose of this work is to integrate the improvements to the subject intersection into the signal system while minimizing the impacts to the existing system operation. This type of work would be commonly associated with the addition of signal phases, pedestrian phases, or improvements that do not affect the capacity at an intersection.

LEVEL II applies when improvements are made to an existing signalized intersection within an existing closed loop traffic signal system and detailed analysis of the intersection operation is desired by the engineer, or when a new signalized or existing signalized intersection is being added to an existing system, but optimization of the entire system is not required. The purpose of this work is to optimize the subject intersection, while integrating it into the existing signal system with limited impact to the system operations. This item also includes an evaluation of the overall system operation, including the traffic responsive program.

For the purposes of re-optimization work, an intersection shall include all traffic movements operated by the subject controller and cabinet.

After the signal improvements are completed, the signal shall be re-optimized as specified by an approved Consultant who has previous experience in optimizing Closed Loop Traffic Signal Systems for the IDOT District One and the County. The Contractor shall contact the Engineer at (312) 603-1734 for a listing of approved Consultants. Any signal timing problems/complaints shall be investigated by the Consultant and as requested by the Traffic Signal Design Engineer and resolved to the Department's satisfaction within a three-year period after the first report is submitted to CCDOTH. The consultant will be required to assist in trouble shooting the optimized system for problems encountered with the system at no cost to the County. Trouble shooting shall include (but not limited to) answering complaints, writing letters, making split adjustment, identifying and correcting oscillation problems, etc.. The consultant shall not charge extra man-hours for this three-year trouble shooting period. The Contractor shall contact the Traffic Signal Design Engineer at (312) 603-1734 for a Consultant who is still monitoring the Traffic Signal System or for a listing of approved Consultants. The System Coordination and Timing (SCAT) consultant's name shall be supplied. The letter will be reviewed by the Engineer to determine whether the SCAT consultant to be used is approved.

A listing of existing signal equipment, interconnect information, phasing data, and timing patterns may be obtained from the Department, if available and as appropriate. The existing SCAT Report is available for review at the County office and if the Consultant provides blank computer disks, copies of computer simulation files for the existing optimized system and a timing database that includes intersection displays will be made for the Consultant. The Consultant shall confer with the Engineer prior to optimizing the system to determine if any extraordinary conditions exist that would affect traffic flows in the vicinity of the system, in

which case, the Consultant may be instructed to wait until the conditions return to normal or to follow specific instructions regarding the re-optimization.

(a) LEVEL I Re-Optimization

1. The following tasks are associated with LEVEL I Re-Optimization.
 - a. Appropriate signal timings shall be developed for the subject intersection and existing timings shall be utilized for the rest of the intersections in the system.
 - b. Proposed signal timing plan for the new or modified intersection(s) shall be forwarded to County for review prior to implementation.
 - c. Consultant shall conduct on-site implementation of the timings at the turn-on and make fine-tuning adjustments to the timings of the subject intersection in the field to alleviate observed adverse operating conditions and to enhance operations.
2. The following deliverables shall be provided for LEVEL I Re-Optimization.
 - a. Consultant shall furnish to County a cover letter describing the extent of the re-optimization work performed.
 - b. Consultant shall furnish an updated intersection graphic display for the subject intersection to County and to County's Traffic Signal Maintenance Contractor.

(b) LEVEL II Re-Optimization

1. In addition to the requirements described in the LEVEL I Re-Optimization above, the following tasks are associated with LEVEL II Re-Optimization.
 - a. Traffic counts shall be taken at the subject intersection after the traffic signals are approved for operation by the Engineer. Manual turning movement counts shall be conducted from 6:30 a.m. to 9:30 a.m., 11:00 a.m. to 1:00 p.m., and 3:30 p.m. to 6:30 p.m. on a typical weekday from midday Monday to midday Friday and on a Saturday and/or Sunday, as directed by the Engineer, to account for special traffic generators such as shopping centers, educational institutes and special event facilities. The turning movement counts shall identify cars, and single-unit, multi-unit heavy vehicles, and transit buses.
 - b. As necessary, the intersections shall be re-addressed and all system detectors reassigned in the master controller according to the current standard of the County.
 - c. Traffic responsive program operation shall be evaluated to verify proper pattern selection and lack of oscillation and a report of the operation shall be provided to the County.
2. The following deliverables shall be provided for LEVEL II Re-Optimization.
 - a. Consultant shall furnish to the County one (1) copy of a technical report for the optimized system. If a State system/intersection is involved one(1) copy of SCAT report for IDOT shall be furnished. The technical memorandum shall include the following elements:
 - (1) Brief description of the project
 - (2) Printed copies of the analysis output from Synchro (or other appropriate, approved optimization software file)
 - (3) Printed copies of the traffic counts conducted at the subject intersection
 - (4) A Time of Day (TOD) revised chart which includes all intersections split timing, offset and program steps shall be furnished to the County

- (5) A layout of traffic volumes which includes AM volume, PM volume, MD volume and distance between intersections
 - (6) System detector/Local detector relationship layout, if there is a change.
 - (7) Printed copies of master and local controller data.
- b. Consultant shall furnish to the County two (2) CDs for the optimized system. The CDs shall include the following elements:
- (1) Electronic copy of the technical report in PDF format
 - (2) Revised Synchro files (or other appropriate, approved optimization software file) including the new signal and the rest of the signals in the closed loop system
 - (3) Traffic counts conducted at the subject intersection
 - (4) New or updated intersection graphic display files in ASC and PCX formats and new zone map file with system loops (if changed) for the subject intersection
 - (5) The CD shall be labeled with the County system number and master location, as well as the submittal date and the consultant logo. The CD case shall include a clearly readable label displaying the same information securely affixed to the side and front.

Examples of Time of Day (TOD) chart, layout of traffic volumes and System detector/Local detector relationship layout can be obtained from the County.

The Consultant shall furnish to CCDOTH one copy of the revised SCAT Report in three-ring binders. If the system is maintained by State or other agency, an approval letter from State or other agency shall be furnished to the County. The Consultant also shall furnish to State or other agency one copy of the revised SCAT Report in three-ring binder.

When an intersection under the system is maintenance transferred to the Contractor, the SCAT consultant shall start responding to complaints and make necessary timing adjustments. The Contractor shall hire the same SCAT consultant to work on system timing under construction stages when there is a temporary traffic signal.

Basis of Payment. This work shall be paid for at the contract unit price EACH for RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM – LEVEL I or RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM – LEVEL II, which price shall be payment in full for performing all work described herein per intersection. Following completion of the timings and submittal of specified deliverables, 100 percent of the bid price will be paid. Each intersection will be paid for separately.

SPECIAL PROVISION FOR MAINTENANCE OF LIGHTING SYSTEM

Effective: 09/01/16

Revised: 04/26/19 (Revised to follow IDOT version)

Replace Article 801.11 and 801.12 of the Standard Specifications with the following:

Effective the date the Contractor's activities (electrical or otherwise) at the job site begin, the Contractor shall be responsible for the proper operation and maintenance of all existing and proposed lighting systems which are part of, or which may be affected by the work until final acceptance or as otherwise determined by the Engineer.

Before performing any excavation, removal, or installation work (electrical or otherwise) at the site, the Contractor shall initiate a request for a maintenance transfer and preconstruction inspection, as specified elsewhere herein, to be held in the presence of the Engineer and a representative of the party or parties responsible for maintenance preconstruction inspection, the party responsible for existing maintenance shall perform testing of the existing system in accordance with Article 801.13a. The Contractor shall request a date for the preconstruction inspection no less than fourteen (14) days prior to the desired date of the inspection.

The Engineer will document all test results and note deficiencies. All substandard equipment will be repaired or replaced by the existing maintenance contractor, or the Engineer can direct the Contractor to make the necessary repairs under Section 109.04.

Existing lighting systems, when depicted on the plans, are intended only to indicate the general equipment installation of the systems involved and shall not be construed as an exact representation of the field conditions. It remains the Contractor's responsibility to visit the site to confirm and ascertain the exact condition of the electrical equipment and systems to be maintained.

Maintenance of Existing Lighting Systems

Existing lighting systems. Existing lighting systems shall be defined as any lighting system or part of a lighting system in service prior to this contract letting. The contract drawings indicate the general extent of any existing lighting, but whether indicated or not, it remains the Contractor's responsibility to ascertain the extent of effort required for compliance with these specifications and failure to do so will not be justification for extra payment or reduced responsibilities.

Extent of Maintenance

Partial Maintenance. Unless otherwise indicated, if the number of circuits affected by the contract is equal to or less than 40% of the total number of circuits in a given controller and the controller is not part of the contract work, the Contractor needs only to maintain the affected circuits within the project limits. The project limits are defined as those limits indicated in the contract plans. Equipment outside of the project limits, on the affected circuits shall be maintained and paid for under Article 109.04. The affected circuits shall be isolated by means of in-line waterproof fuse holders as specified elsewhere and as approved by the Engineer. The unaffected circuits and the controller will remain under the maintenance of the original maintainer of the system.

Full Maintenance. If the number of circuits affected by the contract is greater than 40% of the total number of circuits in a given controller, or if the controller is modified in any way under the contract work, the Contractor shall maintain the entire controller and all associated circuits within the project limits. Equipment outside of the project limits shall be maintained and paid for under Article 109.04.

If the existing equipment is damaged by normal vehicular traffic, not contractor operations, is beyond repair and cannot be re-set, the contractor shall replace the equipment in kind with payment made for such equipment under Article 109.04. If the equipment damaged by any construction operations, not normal vehicular traffic, is beyond repair and cannot be re-set, the contractor shall replace the equipment in kind and the cost of the equipment shall be included in the cost of this pay item and shall not be paid for separately.

Maintenance of Proposed Lighting Systems.

Proposed Lighting Systems. Proposed lighting systems shall be defined as any lighting system or part of a lighting system, temporary or permanent, which is to be constructed under this contract regardless of the project limits indicated in the plans.

The Contractor shall be fully responsible for maintenance of all items installed under this contract. Maintenance shall include, but not be limited to, any equipment failures or malfunctions as well as equipment damage either by the motoring public, Contractor operations, vandalism, or other means. The potential cost of replacing or repairing any malfunctioning damaged or vandalized equipment shall be included in the bid price of this item and will not be paid for separately.

Lighting System Maintenance Operations

The Contractor's responsibility shall include all applicable responsibilities of the Electrical Maintenance Contract, the County Highway Department. These responsibilities shall include the maintenance of lighting units (including sign lighting), cable runs and lighting controls. In the case of a pole knockdown or sign light damage, the Contractor shall promptly clear the lighting unit and circuit discontinuity and restore the system to service. The equipment shall then be re-set by the contractor within the time limits specified herein.

If the existing equipment is damaged by normal vehicular traffic, not contractor operations, is beyond repair and cannot be re-set, the contractor shall replace the equipment in kind with payment made for such equipment under Article 109.04. If the equipment damaged by any construction operations, not normal vehicular traffic, is beyond repair and cannot be re-set, the contractor shall replace the equipment in kind and the cost of the equipment shall be included in the cost of this pay item and shall not be paid for separately.

Responsibilities shall also include weekly night-time patrol of the lighting system, with patrol reports filed immediately with the Engineer and with deficiencies corrected within 24 hours of the patrol. Patrol reports shall be presented on standard forms as designated by the Engineer. Uncorrected deficiencies may be designated by the Engineer as necessitating emergency repairs as described elsewhere herein.

The following chart lists the maximum response, service restoration, and permanent repair time the Contractor will be allowed to perform corrective action on specific lighting system equipment.

INCIDENT OR PROBLEM	SERVICE RESPONSE TIME	SERVICE RESTORATION TIME	PERMANENT REPAIR TIME
Control cabinet out	1 hour	4 hours	7 Calendar days
Hanging mast arm	1 hour to clear	NA	7 Calendar days
Radio problem	1 hour	4 hours	7 Calendar days
Motorist caused damage or leaning light pole 10 degrees or more	1 hour to clear	4 hours	7 Calendar days
Circuit out – Needs to reset breaker	1 hour	4 hours	NA
Circuit out – Cable trouble	1 hour	24 hours	21 Calendar days
Outage of 3 or more successive lights	1 hour	4 hours	NA
Outage of 75% of lights on one tower	1 hour	4 hours	NA
Outage of light nearest RR crossing approach, islands and gores	1 hour	4 hours	NA
Outage (single or multiple) found on night outage survey or reported to the Maintenance Contractor	NA	NA	7 Calendar days
Navigation light outage	NA	NA	24 hours

Service Response Time - amount of time from the initial notification to the Contractor until a patrolman physically arrives at the location.

Service Restoration Time – amount of time from the initial notification to the Contractor until the time the system is fully operational again. (In case of motorist caused damage the undamaged portions of the system are operational.)

Permanent Repair Time – amount of time from initial notification to the Contractor until the time permanent repairs are made if the Contractor was required to make temporary repairs to meet the service restoration requirement.

Failure to provide this service will result in liquidated damages of \$500 per day per occurrence. In addition, the Department reserves the right to assign any work not completed within this timeframe to the Electrical Maintenance Contractor. All costs associated to repair this uncompleted work shall be the responsibility of the Contractor. Failure to pay these costs to the Electrical Maintenance Contractor within one month after the incident will result in additional liquidated damages of \$500 per month per occurrence. Unpaid bills will be deducted from the cost of the Contract. Repeated failures and/or a gross failure of maintenance shall result in the County's Electrical Maintenance Contractor being directed to correct all deficiencies and the resulting costs deducted from any monies owed the contractor.

Damage caused by the Contractor's operations shall be repaired at no additional cost to the Contract.

Operation of Lighting

The lighting shall be operation every night, dusk to dawn. Duplicate lighting systems (such as temporary lighting and proposed new lighting) shall not be operated simultaneously. Lighting systems shall not be kept in operation during long daytime periods. Basis of Payment. Maintenance of lighting systems shall be paid for at the contract unit price per CALENDAR MONTH for MAINTENANCE OF LIGHTING SYSTEM.

**SPECIAL PROVISION
FOR
UNINTERRUPTABLE POWER SUPPLY AND CABINET**

Effective: 7/1/16

Revised: 4/26/19 (updated pay item name to match IDOT, minor formatting revisions)

The furnishing and installation of this item shall meet the requirements of Section 862 and 1074.04 of the Supplemental Specifications and Recurring Special Provisions, except as follows:

The UPS shall have the power capacity to provide normal operation of a signalized intersection that utilizes all LED type signal head optics, for a minimum of six hours.

The UPS shall additionally include, but not be limited to, a battery cabinet. The UPS shall provide reliable emergency power to the traffic signals in the event of a power failure or interruption.

Installation

When a UPS is installed at an existing traffic signal cabinet, the UPS cabinet shall partially rest on the lip of the existing controller cabinet foundation and be secured to the existing controller cabinet by means of at least four (4) stainless steel bolts. The UPS cabinet shall be completely enclosed with the bottom and back constructed of the same material as the cabinet.

When a UPS is installed at a new signal cabinet and foundation, it shall be mounted as shown on the plans. At locations where UPS is installed and Emergency Vehicle Priority System is in use, any existing incandescent confirmation beacons shall be replaced with LED lamps in accordance with the Cook County Emergency Vehicle Priority System specification at no additional cost to the contract. A concrete apron shall be provided and be in accordance with Articles 424 and 202 of the Standard Specifications. The concrete apron shall also follow the District 1 Standard Traffic Signal Design Detail, Type D or Type C concrete foundation.

This item shall include any required modifications to an existing traffic signal controller as a result of the addition of the UPS including the addition of alarms.

Bypass switch shall completely disconnect the traffic signal cabinet from the utility provider.

Material:

The UPS shall be line interactive or double conversion and provide voltage regulation and power conditioning when utilizing utility power. The UPS shall be sized appropriately for the intersection's normal traffic signal operating connected load, plus 20 percent (20%). When installed at a railroad-interconnected intersection the UPS must maintain the railroad pre-emption load, plus 20 percent (20%) of the railroad preemption-operating load. The total connected traffic signal load shall not exceed the published ratings for the UPS. The UPS shall provide a minimum of six (6) hours of normal operation run-time for signalized intersections with LED type signal head optics at 77 °F (25 °C) (minimum 1000 W active output capacity, with 86 percent minimum inverter efficiency).

The UPS shall have a minimum of four (4) sets of normally open (NO) and normally closed (NC) single-pole double-throw (SPDT) relay contact closures, available on a panel mounted terminal block or locking circular connectors, rated at a minimum 120 V/1 A, and labeled so as to identify each contact according to the plans.

The UPS shall be compatible with the County's approved traffic controller assemblies utilizing NEMA TS 1 or NEMA TS 2 controllers and cabinet components for full time operation.

When the intersection is in battery backup mode, the UPS shall bypass all internal cabinet lights, ventilation fans, service receptacles, any lighted street name signs, heater, street lights, any automated enforcement equipment and any other devices directed by the Engineer.

Batteries, inverter/charger and power transfer relay shall be housed in a separate NEMA Type 3R cabinet. The cabinet shall be Aluminum alloy, 5052-H32, 0.125-inch thick and have a natural mill finish.

No more than three batteries shall be mounted on individual shelves for a cabinet housing six batteries and no more than four batteries per shelf for a cabinet housing eight batteries.

The battery cabinet housing shall have the following nominal outside dimensions: a width of 25 in. (785 mm), a depth of 16 in. (440 mm), and a height of 41 to 48 in. (1.1 to 1.3 m). Clearance between shelves shall be a minimum of 10 in. (250 mm).

The door shall be equipped with a two position doorstop, one a 90° and one at 120°.

The door shall open to the entire cabinet, have a neoprene gasket, an Aluminum continuous piano hinge with stainless steel pin, and a three point locking system. The cabinet shall be provided with a main door lock which shall operate with a traffic industry conventional No. 2 key. Provisions for padlocking the door shall be provided.

The battery cabinet shall have provisions for an external generator connection.

The UPS shall include a tip or kill switch installed in the battery cabinet, which shall completely disconnect power from the UPS when the switch is manually activated.

The UPS shall include standard RS-232 and internal Ethernet interface.

The UPS shall incorporate a flanged electric generator inlet for charging the batteries and operating the UPS. The generator connector shall be male type, twist-lock, rated as 15A, 125VAC with a NEMA L5-15P configuration and meets UL and CSA testing and has a weatherproof lift cover plate. Access to the generator inlet shall be from a secured weatherproof lift cover plate or behind a locked battery cabinet police panel.

The bypass switch shall include an internal power transfer relay that allows removal of the battery back-up unit, while the traffic signal is connected to utility power, without impacting normal traffic signal operation.

Battery System: All batteries supplied in the UPS shall be either gel cell or AGM type, deep cycle, completely sealed, prismatic lead calcium based, silver alloy, valve regulated lead acid (VRLA) requiring no maintenance. All batteries in a UPS installation shall be the same type; mixing of gel cell and AGM types within a UPS installation is not permitted.

Batteries shall be certified by the manufacturer to operate over a temperature range of -13 to 160 °F (-25 to + 71 °C) for gel cell batteries and -40 to 140 °F (-40 to + 60 °C) for AGM type batteries.

The UPS shall consist of an even number of batteries that are capable of maintaining normal operation of the signalized intersection for a minimum of six hours. Calculations shall be provided showing the number of batteries of the type supplied that are needed to satisfy this requirement. A minimum of four batteries shall be provided.

Battery Heater mats shall be provided, when gel cell type batteries are supplied.

The warranty for an uninterruptible power supply (UPS) shall cover a minimum of five years from date the equipment is placed in operation; however, the batteries of the UPS shall be warranted for full replacement for a minimum of five years from the date the traffic signal and UPS are placed into service.

The UPS shall be set-up to run the traffic signal continuously, without going to a red flashing condition, when switched to battery power unless otherwise directed by the Engineer. The Contractor shall confirm set-up with the Engineer. The continuous operation mode when switched to battery may require modification to unit connections and these modifications are included in the unit price for this item.

Basis of Payment. This work will be paid for at the contract unit price per EACH for UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL, which price shall be payment in full for furnishing and installing the Uninterruptible Power Supply complete with necessary connections for proper operation. Replacement of Emergency Vehicle Priority System confirmation beacons shall be included in the cost of the UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL item. The concrete apron and earth excavation required shall be included in the cost of this pay item.

SPECIAL PROVISION FOR TEMPORARY TRAFFIC SIGNAL TIMING

Effective: 7/1/16

Revised: 4/26/19 (added sentence to first paragraph to include proposed timings, based on review comment from CCDOTH to "include permanent traffic signal condition")

Description. This work shall consist of developing and maintaining appropriate traffic signal timings for the specified intersection for the duration of the temporary signalized condition, as well as impact to existing traffic signal timings caused by detours or other temporary conditions. This item shall also include developing and implementing the timings for a proposed traffic signal installation that is not part of a closed loop system.

All timings and adjustments necessary for this work shall be performed by an approved Consultant who has previous experience in optimizing Closed Loop Traffic signal Systems for the County. The Contractor shall contact the Traffic Signal Engineer at (312) 603-1730 for a listing of approved Consultants.

The following tasks are associated with TEMPORARY TRAFFIC SIGNAL TIMING.

- (a) Consultant shall attend temporary traffic signal inspection (turn-on) and/or detour meeting, if needed and conduct on-site implementation of the traffic signal timings.
- (b) Make fine-tuning adjustments to the timings in the field to alleviate observed adverse operating conditions and to enhance operations.
- (c) Consultant shall provide monthly observation of traffic signal operations in the field.
- (d) Consultant shall provide on-site consultation and adjust timings as necessary for construction stage changes, temporary traffic signal phase changes, and any other conditions affecting timing and phasing, including lane closures, detours, and other construction activities.
- (e) Consultant shall make timing adjustments and prepare comment responses as directed by the Traffic Signal Engineer.
- (f) Return original timing plan once construction is complete.

Basis of Payment. The work shall be paid for at the contract unit price EACH for TEMPORARY TRAFFIC SIGNAL TIMING, which price shall be payment in full for performing all work described herein per intersection. When the temporary traffic signal installation is turned on and/or detour implemented, 50 percent of the bid price will be paid. The remaining 50 percent of the bid price will be paid following the removal of the temporary traffic signal installation and/or detour.

SPECIAL PROVISION FOR LED INTERNALLY ILLUMINATED STREET NAME SIGN

Effective: 1/1/18

Revised: 4/26/19 (revised title, various changes to match updated IDOT standards, removed duplicate text, added statement that housing be natural aluminum, revised Basis of Payment)

Description.

This work shall consist of furnishing and installing a LED internally illuminated street name sign.

Installation

The sign can be mounted on most steel mast arm poles. Mounting on aluminum mast arm pole requires supporting structural calculations. Some older or special designed steel mast arm poles may require structural evaluation to assure that construction of the mast arm pole is adequate for the proposed additional loading. Structural calculations and other supporting documentation as determined by the Engineer shall be provided by the contractor for review by the Department.

Signs shall be installed such that they are not energized when traffic signals are powered by an alternate energy source such as a generator or uninterruptible power supply (UPS). The signs shall be connected to the generator or UPS bypass circuitry.

The sign shall be located on a steel traffic signal mast arm no further than 8-feet from the center of the pole to the center of the sign at a height of between 16 to 18-feet above traveled pavement. Mounting hardware shall be from an approved vendor, utilizing stainless steel components.

Materials

The illuminate street name sign shall be as follows.

(a) Description.

The LEDs shall be white in color. The two face LED internally illuminated street name sign shall display the designated street name clearly and legibly in the daylight hours without being energized and at night when energized. White translucent Type ZZ reflective sheeting sign faces with the street name applied in transparent green shall be installed on the street sign acrylic panels which shall be affixed to the interior of the sign enclosure. Sheeting material shall be of one continuous piece. Paneling shall not be allowed. Hinged door(s) shall be provided for easy access to perform general cleaning and maintenance operations. Illumination shall occur with LED Light Engine as specified.

(b) Environmental Requirements.

The LED lamp shall be rated for use in the ambient operating temperature range of -40 to +50°C (-40 to +122°F) for storage in the ambient temperature range of -40 to +75°C (-40 to +167°F).

(c) General Construction.

1. The LED Light Engine shall be a single, self-contained device, for installation in an existing street sign housing. The power supply must be designed to fit and mounted on the inside wall at one end of the street sign housing. The LED Light Engine shall be mounted within the inner top portion of the housing and no components of the light source shall sit between the sign faces.

2. The assembly and manufacturing processes of the LED Light Engine shall be designed to ensure that all LED and electronic components are adequately supported to withstand mechanical shocks and vibrations in compliance with the specifications of the ANSI, C136.31-2001 standards.

(d) Mechanical Construction.

1. The sign shall be constructed using a weatherproof, aluminum housing consisting of an extruded aluminum top with a minimum thickness of .140". The extruded aluminum bottom is .094" thick. The ends of the housing shall be cast aluminum with a minimum thickness of .250". The maximum sign dimensions shall be 30" in height, 96" in length, 10.75" in depth (including the drip edge) and shall not weigh more than 110 pounds. All housing corners are continuous TIG (Tungsten Inert Gas) welded to provide a weatherproof seal.
2. The door shall be constructed of extruded aluminum. Two corners are continuous TIG welded with the other two screwed together to make one side of the door removable for installation of the sign face. The door is fastened to the housing on the bottom by a full length, stainless steel hinge. The door shall be held secure onto a 1" wide by 5/32" thick neoprene gasket by appropriate numbers of quarter-turn fasteners to form a watertight seal between the door and the housing. The sign shall also be fabricated in a way to ensure that no components fall out while a technician is opening or working inside the sign enclosure.
3. The sign face shall be constructed of .125" white translucent polycarbonate or acrylic. Sign legend shall be according to D1 Mast Arm Mounted Street Name Sign detail and MUTCD. The sign face legend background shall consist of translucent Type ZZ white reflective sheeting and transparent green film applied to the front of the sign face. The legend shall be framed by a white border. A logo symbol and/or name of the community may be included with approval of the Engineer.
4. All surfaces of the sign housing shall be natural aluminum finish. The housing may be powder coated black with approval of the Engineer.
5. All fasteners and hardware shall be corrosion resistant stainless steel. No special tools are required for routine maintenance.
6. All wiring shall be secured by insulated wire compression nuts or barrier type terminal blocks.
7. A wire entrance junction box shall be supplied with the sign assembly. The box may be supplied mounted to the exterior or interior of the sign and provide a weather tight seal.
8. A photoelectric switch shall be mounted in the control cabinet to control lighting functions for day and night display. Each sign shall be individually fused.
9. Brackets and Mounting: LED internally-illuminated street name signs will be factory drilled to accommodate mast arm two-point support assembly mounting brackets. A 72" stainless safety cable is to be included with each mounting bracket.
10. Refer to the illuminated street name sign mounting detail standard for wiring methods and material.

11. The illuminated street name sign controls shall consist of a photocell, breakers, contactor, terminal blocks, fuses, fuse holder and mounting panel.

(e) Electrical.

1. Photocell shall be rated 105-305V, turn on at 1.5 fcs. with a 3-5 second delay. A manufacturer's warranty of six (6) years shall be provided. Power consumption shall be no greater than 1 watt at 120V.
2. The LED Light Engine shall operate from a 60 +/- 3 cycle AC line power over a voltage range of 80 to 135 Vac rms. Fluctuations in line voltage over the range of 80 to 135 Vac shall not affect luminous intensity by more than +/- 10%.
3. Total harmonic distortion induced into the AC power line by the LED Light Engine, operated at a nominal operating voltage, and at a temperature of +25°C (+77°F), shall not exceed 20%.
4. The LED Light Engine shall be cycled ON and OFF with a photocell as shown on the detail sheet and shall not exceed 145 watts.

The signs shall not be energized when traffic signals are powered by an alternate energy source such as a generator or Uninterruptable Power Supply (UPS). The signs shall be connected to the generator or UPS bypass circuitry.

(f) Photometric Requirements.

1. The entire surface of the sign panel shall be evenly illuminated. The average maintained luminous intensity measured across the letters, operating under the conditions defined in Environmental Requirements and Wattage Sections shall be of a minimum value of 100 cd/m².
2. The manufacturer shall make available independent laboratory test results to verify compliance to Voltage Range and Luminous Intensity Distribution Sections.
3. LED shall have a color temperature of 5200k nominal, CRI of 80 with a life expectancy of 75,000 hrs.

(g) Quality Assurance.

The LED Light Engine shall be manufactured in accordance with a vendor quality assurance (QA) program. The production QA shall include statistically controlled routine tests to ensure minimum performance levels of the LED Light Engine build to meet this specification. QA process and test result documentations shall be kept on file for a minimum period of seven (7) years. The LED Light Engine that does not satisfy the production QA testing performance requirements shall not be labeled, advertised, or sold as conforming to these specifications. Each LED Light Engine shall be identified by a manufacturer's serial number for warranty purposes. LED Light Engines shall be replaced or repaired if they fail to function as intended due to workmanship or material defects within the first sixty (60) months from the date of acceptance. LED Light Engines that exhibit luminous intensities less than the minimum value specified in Photometric Section within the first thirty-six (36) months from the date of acceptance shall be replaced or repaired.

Basis of Payment

This work will be paid for at the contract unit price EACH for LED INTERNALLY ILLUMINATED STREET NAME SIGN which shall be payment in full for furnishing and installing the LED internally illuminated street sign, complete with circuitry and mounting hardware including photo cell, circuit breaker, fusing, relay, connections and cabling as shown on the plans for proper operation and installation.

The Illuminated street name sign cable will be paid for at the contract unit price per FOOT for ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW, which price shall be payment in full for furnishing and installing the cable and making all electrical connections. The length of measurement shall be the distance horizontally measured between changes in direction, including cable in mast arms and slack cables. All vertical cables will not be measured for payment. Slack cables will be paid for as lead-in cables in conduit.

SPECIAL PROVISION FOR VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH

Effective: 1/1/18

Revised: 4/26/19 (revised name and basis of payment to include lead-in cable in the cost of this pay item)

This work shall consist of furnishing and installing a Video Detection System including all necessary hardware, cable and accessories as specified on the plans. An extension pole for mounting video cameras, when needed or directed by the engineer, will be included in this item.

The system shall consist of one Image Sensor and Machine Vision Processor (MVP) or Video Detection Processor (VDP) integrated into one compact unit. Communication or Extension modules shall be provided which act as interface between the image sensor/MVP or VDP and the traffic controller. The communication or Extension interface unit shall be shelf mount or it shall fit a NEMA TS-1 and TS-2 detector rack depending on the application.

The system shall be able to detect either approaching or receding vehicles in multiple traffic lanes. With a MVP or VDP capable of handling one image sensors, there shall be a minimum of 24 detection zones that can be user-defined through interactive graphics by placing lines and/or boxes in an image or a VGA monitor. The user shall be able to redefine previously defined detection zones. The MVP or VDP shall calculate traffic parameters in real-time and provide local non-volatile data storage for later downloading and analysis.

Video Detection - General

This specification sets forth the minimum requirements for a system that monitors vehicles on a roadway via processing of video images. The detection of vehicles passing through the field-of-view of an image sensor shall be made available to a large variety of end user applications as simple contact closure outputs that reflect the current real time detector or alarm states (on/off) or as summary traffic statistics that are reported locally or remotely. The contact closure outputs shall be provided to a traffic signal controller and comply with the National Electrical Manufacturers Association (NEMA) type C or D detector.

System Hardware

The machine vision system hardware shall consist of three components: 1) a color, min 10x zoom, MVP or VDP sensor 2) a modular cabinet interface unit 3) a communication interface panel. Additionally, an optional personal computer (PC) shall host the server and client applications that are used to program and monitor the system components. The real time performance shall be observed by viewing the video output from the sensor with overlaid flashing detectors to indicate the current detection state (on/off). The MVP or VDP sensor shall optionally store cumulative traffic statistics internally in non-volatile memory for later retrieval and analysis.

The MVP or VDP shall communicate to the modular cabinet interface unit via the communication or Extension interface panel and the software applications using the industry standard TCP/IP network protocol.

The modular cabinet interface unit shall communicate directly with up to eight (8) MVP or VDP sensors and shall comply with the form factor and electrical characteristics to plug directly into a NEMA type C or D detector rack.

System Software

The MVP or VDP sensor embedded software shall incorporate multiple applications that perform a variety of diagnostic, installation, fault tolerant operations, data communications, digital video streaming, and vehicle detection processing. The detection shall be reliable, consistent, and perform under all weather, lighting, and traffic congestion levels. An embedded web server shall permit standard internet browsers to connect and perform basic configuration, maintenance, and video streaming services.

FUNCTIONAL CAPABILITIES

MVP or VDP Sensor

The MVP or VDP sensor shall be an integrated imaging color CCD array with zoom lens optics, high-speed, dual-core image processing hardware bundled into a sealed enclosure. The CCD array shall be directly controlled by the dual-core processor, thus providing high-quality video for detection that has virtually no noise to degrade detection performance. It shall be possible to zoom the lens as required for setup and operation. The camera shall be in a water tight enclosure. The camera enclosure shall be equipped with a sunshield which includes a water diversion device, which prevents water from flowing in the cameras field of view. The camera enclosure shall contain a heater to assure proper operation of the camera at low temperatures. The heater shall prevent condensation on the optical face plate of the enclosure. The enclosure shall be equipped with weathered tight connections for all cables and connectors. A minimum of a nine (9) inch in-cabinet video monitor is required for view and/or programming detector zones.

Power

The MVP or VDP sensor shall operate on 110/220 VAC, 50/60Hz at a maximum of 45 watts. The MVP or VDP sensor shall operate in a temperature range of -29°F to 165°F (-34°C to 74°C).

Detection Zone Programming

Placement of detection zones shall be by means of a PC with a Windows operating system, a keyboard, and a mouse or monitor and mouse. The PC monitor shall be able to show the detection zones superimposed on images of traffic scenes.

The detection zones shall be created by using a mouse to draw detection zones on the PC monitor and/or cabinet monitor. Using the mouse and keyboard it shall be possible to place, size, and orient detection zones to provide optimal road coverage for vehicle detection. It shall be possible to download detector configurations from the PC to the MVP or VDP sensor and cabinet interface module, to retrieve the detector configuration that is currently running in the MVP or VDP sensor, and to back up detector configurations by saving them to the PC fixed disks or other removable storage media.

The supervisor computer's mouse and keyboard or monitor and mouse shall be used to edit previously defined detector configurations to permit adjustment of the detection zone size and placement, to add detectors for additional traffic applications, or to reprogram the MVP or VDP sensor for different traffic applications or changes in installation site geometry or traffic rerouting.

Optimal Detection

The video detection system shall optimally detect vehicle passage and presence when the MVP or VDP sensor is mounted 30 feet (10 m) or higher above the roadway, when the image sensor is adjacent to the desired coverage area, and when the distance to the farthest detection zone locations are not greater than

ten (10) times the mounting height of the MVP or VDP. The recommended deployment geometry for optimal detection also requires that there be an unobstructed view of each traveled lane where detection is required. Although optimal detection may be obtained when the MVP or VDP is mounted directly above the traveled lanes, the MVP or VDP shall not be required to be directly over the roadway. The MVP or VDP shall be able to view either approaching or receding traffic or both in the same field of view. The preferred MVP or VDP sensor orientation shall be to view approaching traffic since there are more high contrast features on vehicles as viewed from the front rather than the rear.

Modular Cabinet Interface Unit

The modular cabinet interface unit shall provide the hardware and software means for up to eight (8) MVP or VDP sensors to communicate real-time detection states and alarms to a local traffic signal controller. It shall comply with the electrical and protocol specifications of the detector rack standards.

The modular cabinet interface unit shall be a simple interface card that plugs directly into a NEMA type C or D detector rack. The modular cabinet interface unit shall occupy only 2 slots of the detector rack. The modular cabinet interface unit shall accept up to eight (8) inputs and shall provide up to twenty-four (24) detector outputs.

System Installation & Training

The supplier of the video detection system may supervise the installation and testing of the video detection system and computer equipment as required by the contracting agency.

Training is available to personnel of the contracting agency in the operation, set up, and maintenance of the video detection system. The MVP or VDP sensor and its support hardware / software is a sophisticated leading-edge technology system. Proper instruction from certified instructors is recommended to ensure that the end user has complete competency in system operation. The User's Guide is not an adequate substitute for practical classroom training and formal certification by an approved agency.

Warranty, Service, & Support

For a minimum of two (2) years, the supplier shall warrant the video detection system. An option for additional year(s) warranty for up to 5 years shall be available. Ongoing software support by the supplier shall include software updates of the MVP or VDP sensor, modular cabinet interface unit, and supervisor computer applications. These updates shall be provided free of charge during the warranty period. The supplier shall maintain a program for technical support and software updates following expiration of the warranty period. This program shall be available to the contracting agency in the form of a separate agreement for continuing support.

Basis of Payment: This work shall be paid at the contract unit price EACH for VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH, as described above, which price will be payment in full for furnishing, installing and setting up the video detection system, with necessary connections and programming for proper operation. All cables from the camera to the traffic signal cabinet and within the traffic signal cabinet shall be included in the cost of this item.

SPECIAL PROVISION FOR ACCESSIBLE PEDESTRIAN SIGNALS

Effective: 7/1/16

Revised: 4/26/19 (minor revisions to Basis of Payment and sign labels)

Description.

This work shall consist of furnishing and installing pedestrian push button accessible pedestrian signals (APS) type. Each APS shall consist of an interactive vibrotactile pedestrian pushbutton with speaker, an informational sign, a light emitting diode (LED) indicator light, a solid state electronic control board, a power supply, wiring, and mounting hardware. The APS shall meet the requirements of the MUTCD and Sections 801 and 888 of the Standard Specifications, except as modified herein.

Electrical Requirements.

The APS shall operate with systems providing 95 to 130 VAC, 60 Hz and throughout an ambient air temperature range of -29 to +160 °F (-34 to +70 °C).

The APS shall contain a power protection circuit consisting of both fuse and transient protection.

Audible Indications.

A pushbutton locator tone shall sound at each pushbutton with volume settings a maximum of 5 dBA louder than ambient sound.

If two accessible pedestrian pushbuttons are placed less than 10 ft (3 m) apart or placed on the same pole, the audible walk indication shall be a speech walk message.

A clear, verbal message shall be used to communicate the pedestrian walk interval. This message shall sound throughout the WALK interval only. The verbal message shall be modeled after: "Street Name." Walk Sign is on to cross "Street Name." No other messages shall be used to denote the WALK interval.

Where two accessible pedestrian pushbuttons are separated by at least 10 ft (3 m), the walk indication shall be an audible percussive tone. It shall repeat at 8 to 10 ticks per second with a dominant frequency of 880 Hz.

Automatic volume adjustments in response to ambient traffic sound level shall be provided up to a maximum volume of 100 dBA. Locator tone and verbal messages shall be no more than 5 dB louder than ambient sound.

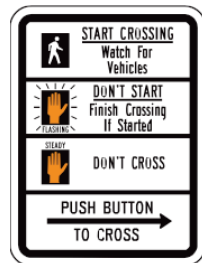
Pedestrian Pushbutton.

Pedestrian pushbuttons shall be at least 2 in. (50 mm) in diameter or width. The force required to activate the pushbutton shall be no greater than 3.5 lb (15.5 N).

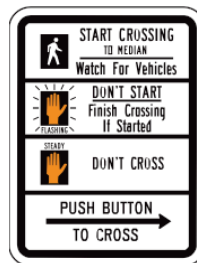
A red LED indicator shall be located on or near the pushbutton which, when activated, acknowledges the pedestrians request to cross the street. The recorded messages and roadway designations shall be confirmed with the engineer and included with submitted product data.

Signage.

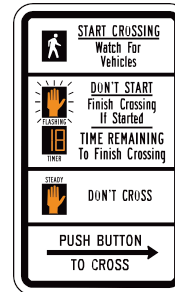
A sign shall be located immediately above the pedestrian pushbutton and parallel to the crosswalk controlled by the pushbutton. The sign shall be one of the following standard MUTCD designs: R10-3b, R10-3d, or R10-3e.



R10-3b



R10-3d



R10-3e

Tactile Arrow.

A tactile arrow, pointing in the direction of travel controlled by a pushbutton, shall be provided either on the pushbutton or its sign.

Vibrotactile Feature.

The pushbutton shall pulse when depressed and shall vibrate continuously throughout the WALK interval.

Training.

The Contractor shall provide APS onsite training for Department personnel and person(s) or group that requested the installation of the APS. APS features and operation shall be demonstrated during the training. The training shall be presented by the APS equipment supplier. Time, date, and location of the training and demonstration shall be coordinated with the Engineer.

Basis of Payment.

This work will be paid for at the contract unit price EACH for a pedestrian push-button, ACCESSIBLE PEDESTRIAN SIGNAL type and shall include furnishing, installation, mounting hardware, message programming, and training.

**SPECIAL PROVISION
FOR
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C**

Effective: 7/1/16

Revised: N/A

This work shall consist of furnishing and installing lead-in cable for light detectors installed at existing and/or proposed traffic signal installations as part of an emergency vehicle priority system. The work includes installation of the lead-in cables in existing and/or new conduit. The electric cable shall be shielded and have (3) stranded conductors, colored blue, orange, and yellow with a stranded tinned copper drain wire. The cable shall meet the requirements of the vendor of the Emergency Vehicle Priority System Equipment.

Basis of Payment. The lead-in cable will be paid for at the contract unit price per FOOT (METER) for EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C or EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE AERIAL SUSPENDED, NO. 20 3/C which price shall be payment in full for furnishing and making all electrical connections necessary for proper operations.

SPECIAL PROVISION FOR DETECTABLE WARNINGS (SPECIAL)

Effective: 10/01/18 (*Modification of IDOT D1 Special Provision for Detectable Warnings (Special) in City of Chicago*)

Revised: 4/13/21 (*added Galvanized and Stainless Steel material options*)

Description:

Work under this item shall consist of installing cast iron or steel detectable warning tiles as shown on the plans. Work shall be performed according to Section 424 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, except as herein modified.

Materials:

Detectable warning tiles shall be of uniform quality, and free of surface defects. The detectable warnings shall be constructed out of one of the following:

- 1) Cast iron meeting requirements of ASTM A 48 Class 30 or better.
- 2) Galvanized steel – 10 gauge, G90 galvanization or better
- 3) Stainless steel – 10 gauge or better

The dome size and spacing of the detectable warnings shall meet all requirements of sections R305.1.1 and R305.1.2 of PROWAG.

The color of the detectable warning tiles is to be approved by the Engineer unless otherwise specified in the plans and comply with the requirements of section R305.1.3 of PROWAG.

If a concrete border is required for installation of the detectable warnings, it shall comply with section R305.2 of PROWAG.

Responsibility of the Contractor:

The contractor shall verify all dimensions with the product manufacturer. If using radial units, the contractor shall verify that the radius of the detectable warnings supplied by the manufacturer matches that of the curb radius.

The contractor shall ensure that the supplied detectable warnings allow placement of the rows of domes that are aligned parallel with the path of travel. Where detectable warnings are radial, dome orientation is not significant.

The contractor shall ensure a maximum vertical transition of ¼" between the edge of the detectable warnings and adjacent concrete.

Measurement and Payment:

This work will be paid for at the contract unit price per square foot for DETECTABLE WARNINGS (SPECIAL).


Check Sheet for Recurring Special Provisions

Local Public Agency

County

Section Number

Cook County Department of Transportation and Highways

Cook

22-PRPN1-00-PV

☐ **Check this box for lettings prior to 01/01/2024.**

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

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Local Public Agency

County

Section Number

Cook County Department of Transportation and Highways

Cook

22-PRPN1-00-PV

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

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CHECK SHEET #LRS3

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
WORK ZONE TRAFFIC CONTROL SURVEILLANCE

Effective: January 1, 1999

Revised: January 1, 2018

Revise Article 701.10 of the Standard Specifications to read:

“The Contractor shall conduct inspections of the worksite at a frequency that will allow for the timely replacement of any traffic control device that has become displaced, worn, or damaged. A sufficient quantity of replacement devices, based on vulnerability to damage, shall be readily available to meet this requirement.”

Delete Article 701.20(g) of the Standard Specifications.

CHECK SHEET #LRS4

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
FLAGGERS IN WORK ZONES

Effective: January 1, 1999
Revised: January 1, 2007

Revise the last paragraph of Article 701.13 of the Standard Specifications to read:

“Flaggers are required only when workers are present.”

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets
SPECIAL PROVISION
FOR
LOCAL QUALITY ASSURANCE/ QUALITY MANAGEMENT QC/QA
Effective: January 1, 2022

Replace the first five paragraphs of Article 1030.06 of the Standard Specifications with the following:

“1030.06 Quality Management Program. The Quality Management Program (QMP) will be Quality Control / Quality Assurance (QC/QA) according to the following.”

Delete Article 1030.06(d)(1) of the Standard Specifications.

Revise Article 1030.09(g)(3) of the Standard Specifications to read:

“(3) If core testing is the density verification method, the Contractor shall provide personnel and equipment to collect density verification cores for the Engineer. Core locations will be determined by the Engineer following the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations” at density verification intervals defined in Article 1030.09(b). After the Engineer identifies a density verification location and prior to opening to traffic, the Contractor shall cut a 4 in. (100 mm) diameter core. With the approval of the Engineer, the cores may be cut at a later time.”

Revise Article 1030.09(h)(2) of the Standard Specifications to read:

“(2) After final rolling and prior to paving subsequent lifts, the Engineer will identify the random density verification test locations. Cores or nuclear density gauge testing will be used for density verification. The method used for density verification will be as selected below.

Density Verification Method	
☒	Cores
☐	Nuclear Density Gauge (Correlated when paving ≥ 3,000 tons per mixture)

Density verification test locations will be determined according to the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations”. The density testing interval for paving wider than or equal to 3 ft (1 m) will be 0.5 miles (800 m) for lift thicknesses of 3 in. (75 mm) or less and 0.2 miles (320 m) for lift thicknesses greater than 3 in. (75 mm). The density testing interval for paving less than 3 ft (1 m) wide will be 1 mile (1,600 m). If a day’s paving will be less than the prescribed density testing interval, the length of the day’s paving will be the interval for that day. The density testing interval for mixtures used for patching will be 50 patches with a minimum of one test per mixture per project.

If core testing is the density verification method, the Engineer will witness the Contractor coring, and secure and take possession of all density samples at the

density verification locations. The Engineer will test the cores collected by the Contractor for density according to Illinois Modified AASHTO T 166 or AASHTO T 275.

If nuclear density gauge testing is the density verification method, the Engineer will conduct nuclear density gauge tests. The Engineer will follow the density testing procedure detailed in the document "Illinois Modified ASTM D 2950, Standard Test Method for Density of Bituminous Concrete In-Place by Nuclear Method".

A density verification test will be the result of a single core or the average of the nuclear density tests at one location. The results of each density test must be within acceptable limits. The Engineer will promptly notify the Contractor of observed deficiencies."

Revise the seventh paragraph and all subsequent paragraphs in Section D. of the document "Hot-Mix Asphalt QC/QA Initial Daily Plant and Random Samples" to read:

"Mixtures shall be sampled from the truck at the plant by the Contractor following the same procedure used to collect QC mixture samples (Section A). This process will be witnessed by the Engineer who will take custody of the verification sample. Each sample bag with a verification mixture sample will be secured by the Engineer using a locking ID tag. Sample boxes containing the verification mixture sample will be sealed/taped by the Engineer using a security ID label."

BDE SPECIAL PROVISIONS
For the August 2 and September 20, 2024 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

File Name	#		Special Provision Title	Effective	Revised
	80099	1	☐ Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
	80274	2	☐ Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
	80192	3	☐ Automated Flagger Assistance Devices	Jan. 1, 2008	April 1, 2023
	80173	4	☐ Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
	80426	5	☐ Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
*	80241	6	☐ Bridge Demolition Debris	July 1, 2009	
*	50531	7	☐ Building Removal	Sept. 1, 1990	Aug. 1, 2022
*	50261	8	☐ Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
	80449	9	☒ Cement, Type IL	Aug. 1, 2023	
	80384	10	☒ Compensable Delay Costs	June 2, 2017	April 1, 2019
*	80198	11	☐ Completion Date (via calendar days)	April 1, 2008	
*	80199	12	☐ Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80453	13	☐ Concrete Sealer	Nov. 1, 2023	
	80261	14	☒ Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
	80434	15	☐ Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
*	80029	16	☐ Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Mar. 2, 2019
	80229	17	☐ Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80452	18	☐ Full Lane Sealant Waterproofing System	Nov. 1, 2023	
	80447	19	☒ Grading and Shaping Ditches	Jan. 1, 2023	
	80433	20	☐ Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
	80443	21	☐ High Tension Cable Median Barrier Removal	April 1, 2022	
	80456	22	☒ Hot-Mix Asphalt	Jan. 1, 2024	
	80446	23	☒ Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
	80438	24	☐ Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
	80045	25	☐ Material Transfer Device	June 15, 1999	Jan. 1, 2022
	80450	26	☐ Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	
	80441	27	☒ Performance Graded Asphalt Binder	Jan. 1, 2023	
	80451	28	☒ Portland Cement Concrete	Aug. 1, 2023	
	80459	29	☐ Preformed Plastic Pavement Marking	June 2, 2024	
*	34261	30	☐ Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
	80455	31	☒ Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
	80445	32	☒ Seeding	Nov. 1, 2022	
	80457	33	☒ Short Term and Temporary Pavement Markings	April 1, 2024	April 2, 2024
	80448	34	☐ Source of Supply and Quality Requirements	Jan. 2, 2023	
	80340	35	☐ Speed Display Trailer	April 2, 2014	Jan. 1, 2022
	80127	36	☐ Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
	80397	37	☒ Subcontractor and DBE Payment Reporting	April 2, 2018	
	80391	38	☒ Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
	80437	39	☐ Submission of Payroll Records	April 1, 2021	Nov. 2, 2023
	80435	40	☒ Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
	80410	41	☐ Traffic Spotters	Jan. 1, 2019	
*	20338	42	☐ Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
	80429	43	☐ Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
	80439	44	☒ Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
	80458	45	☐ Waterproofing Membrane System	Aug. 1, 2024	
	80302	46	☐ Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
	80454	47	☐ Wood Sign Support	Nov. 1, 2023	
	80427	48	☒ Work Zone Traffic Control Devices	Mar. 2, 2020	
*	80071	49	☐ Working Days	Jan. 1, 2002	

Highlighted items indicate a new or revised special provision for the letting.

An * indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

The following special provisions are in the 2024 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80436	Blended Finely Divided Minerals	Articles 1010.01 & 1010.06	April 1, 2021	
80440	Waterproofing Membrane System	Article 1061.05	Nov. 1, 2021	

CEMENT, TYPE IL (BDE)

Effective: August 1, 2023

Add the following to Article 302.02 of the Standard Specifications:

“(k) Type IL Portland-Limestone Cement 1001”

Revise Note 2 of Article 352.02 of the Standard Specifications to read:

“Note 2. Either Type I or Type IA portland cement or Type IL portland-limestone cement shall be used.”

Revise Note 1 of Article 404.02 of the Standard Specifications to read:

“Note 1. The cement shall be Type I portland cement or Type IL portland-limestone cement.”

Revise Article 1019.02(a) of the Standard Specifications to read:

“(a) Cement, Type I or IL 1001”

80449

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

“(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

- (1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
- (2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
- (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days.”

Revise Article 107.40(c) of the Standard Specifications to read:

“(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

- (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

- (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the

Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

- (3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

- (1) When adverse weather prevents work on the controlling item.
- (2) When job conditions due to recent weather prevent work on the controlling item.
- (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
- (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
- (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
- (6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

- "(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited.”

Add the following to Section 109 of the Standard Specifications.

“109.13 Payment for Contract Delay. Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
 - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over \$50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

80384

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010

Revised: November 1, 2014

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term “equipment” refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment’s respective horsepower range shall be retrofitted:

Effective Dates	Horsepower Range	Model Year
June 1, 2010 ^{1/}	600-749	2002
	750 and up	2006
June 1, 2011 ^{2/}	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006
June 1, 2012 ^{2/}	50-99	2004
	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

- a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (<http://www.epa.gov/cleandiesel/verification/verif-list.htm>), or verified by the California Air Resources Board (CARB) (<http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>); or
- b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit

device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected.

Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

GRADING AND SHAPING DITCHES (BDE)

Effective: January 1, 2023

Delete the second paragraph of Article 214.03 of the Standard Specifications.

Delete the second paragraph of Article 214.04 of the Standard Specifications.

80447

HOT-MIX ASPHALT (BDE)

Effective: January 1, 2024

Revise the second paragraph of Articles 1030.07(a)(11) and 1030.08(a)(9) of the Standard Specifications to read:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be based on the running average of four available Department test results for that project. If less than four G_{mm} test results are available, an average of all available Department test results for that project will be used. The initial G_{mm} will be the last available Department test result from a QMP project. If there is no available Department test result from a QMP project, the Department mix design verification test result will be used as the initial G_{mm} .”

In the Supplemental Specifications, replace the revision for the end of the third paragraph of Article 1030.09(h)(2) with the following:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be the Department mix design verification test result.”

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

“Production is not required to stop after a test strip has been constructed.”

80456

HOT-MIX ASPHALT – LONGITUDINAL JOINT SEALANT (BDE)

Effective: November 1, 2022

Revised: August 1, 2023

Add the following after the second sentence in the eighth paragraph of Article 406.06(h)(2) of the Standard Specifications:

“If rain is forecasted and traffic is to be on the LJS or if pickup/tracking of the LJS material is likely, the LJS shall be covered immediately following its application with FA 20 fine aggregate mechanically spread uniformly at a rate of 1.5 ± 0.5 lb/sq yd (0.75 ± 0.25 kg/sq m). Fine aggregate landing outside of the LJS shall be removed prior to application of tack coat.”

Add the following after the first sentence in the ninth paragraph of Article 406.06(h)(2) of the Standard Specifications:

“LJS half-width shall be applied at a width of 9 ± 1 in. (225 ± 25 mm) in the immediate lane to be placed with the outside edge flush with the joint of the next HMA lift. The vertical face of any longitudinal joint remaining in place shall also be coated.”

Add the following after the eleventh paragraph of Article 406.06(h)(2) of the Standard Specifications:

“LJS Half-Width Application Rate, lb/ft (kg/m) ^{1/}			
Lift Thickness, in. (mm)	Coarse Graded Mixture (IL-19.0, IL-19.0L, IL-9.5, IL-9.5L, IL-4.75)	Fine Graded Mixture (IL-9.5FG)	SMA Mixture (SMA-9.5, SMA-12.5)
$\frac{3}{4}$ (19)	0.44 (0.66)		
1 (25)	0.58 (0.86)		
$1 \frac{1}{4}$ (32)	0.66 (0.98)	0.44 (0.66)	
$1 \frac{1}{2}$ (38)	0.74 (1.10)	0.48 (0.71)	0.63 (0.94)
$1 \frac{3}{4}$ (44)	0.82 (1.22)	0.52 (0.77)	0.69 (1.03)
2 (50)	0.90 (1.34)	0.56 (0.83)	0.76 (1.13)
$\geq 2 \frac{1}{4}$ (60)	0.98 (1.46)		

1/ The application rate includes a surface demand for liquid. The thickness of the LJS may taper from the center of the application to a lesser thickness on the edge of the application, provided the correct width and application rate are maintained.”

Revise the second paragraph of Article 406.13(b) of the Standard Specifications to read:

“Aggregate for covering tack, LJS, or FLS will not be measured for payment.”

Add the following to the end of the second paragraph of Article 406.14 of the Standard Specifications:

“Longitudinal joint sealant (LJS) half-width will be paid for at the contract unit price per foot (meter) for LONGITUDINAL JOINT SEALANT, HALF-WIDTH.”

80446

PERFORMANCE GRADED ASPHALT BINDER (BDE)

Effective: January 1, 2023

Revise Article 1032.05 of the Standard Specifications to read:

“1032.05 Performance Graded Asphalt Binder. These materials will be accepted according to the Bureau of Materials Policy Memorandum, “Performance Graded Asphalt Binder Qualification Procedure.” The Department will maintain a qualified producer list. These materials shall be free from water and shall not foam when heated to any temperature below the actual flash point. Air blown asphalt, recycle engine oil bottoms (ReOB), and polyphosphoric acid (PPA) modification shall not be used.

When requested, producers shall provide the Engineer with viscosity/temperature relationships for the performance graded asphalt binders delivered and incorporated in the work.

- (a) Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 “Standard Specification for Performance Graded Asphalt Binder” for the grade shown on the plans and the following.

Test	Parameter
Small Strain Parameter (AASHTO PP 113) BBR, ΔT_c , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5 °C min.

- (b) Modified Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 “Standard Specification for Performance Graded Asphalt Binder” for the grade shown on the plans.

Asphalt binder modification shall be performed at the source, as defined in the Bureau of Materials Policy Memorandum, “Performance Graded Asphalt Binder Qualification Procedure.”

Modified asphalt binder shall be safe to handle at asphalt binder production and storage temperatures or HMA construction temperatures. Safety Data Sheets (SDS) shall be provided for all asphalt modifiers.

- (1) Polymer Modification (SB/SBS or SBR). Elastomers shall be added to the base asphalt binder to achieve the specified performance grade and shall be either a styrene-butadiene diblock, triblock copolymer without oil extension, or a styrene-butadiene rubber. The polymer modified asphalt binder shall be smooth, homogeneous, and be according to the requirements shown in Table 1 or 2 for the grade shown on the plans.

Table 1 - Requirements for Styrene-Butadiene Copolymer (SB/SBS) Modified Asphalt Binders		
Test	Asphalt Grade SB/SBS PG 64-28 SB/SBS PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SB/SBS PG 76-22 SB/SBS PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

Table 2 - Requirements for Styrene-Butadiene Rubber (SBR) Modified Asphalt Binders		
Test	Asphalt Grade SBR PG 64-28 SBR PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SBR PG 76-22 SBR PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
Toughness ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	110 (12.5) min.	110 (12.5) min.
Tenacity ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	75 (8.5) min.	75 (8.5) min.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	40 min.	50 min.

- (2) Ground Tire Rubber (GTR) Modification. GTR modification is the addition of recycled ground tire rubber to liquid asphalt binder to achieve the specified performance grade. GTR shall be produced from processing automobile and/or truck tires by the ambient

grinding method or micronizing through a cryogenic process. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall not contain free metal particles, moisture that would cause foaming of the asphalt, or other foreign materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce sticking and caking of the GTR particles. When tested in accordance with Illinois Modified AASHTO T 27 "Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates" or AASHTO PP 74 "Standard Practice for Determination of Size and Shape of Glass Beads Used in Traffic Markings by Means of Computerized Optical Method", a 50 g sample of the GTR shall conform to the following gradation requirements.

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 μ m)	95 $\pm$ 5
No. 50 (300 μ m)	> 20

GTR modified asphalt binder shall be tested for rotational viscosity according to AASHTO T 316 using spindle S27. GTR modified asphalt binder shall be tested for original dynamic shear and RTFO dynamic shear according to AASHTO T 315 using a gap of 2 mm.

The GTR modified asphalt binder shall meet the requirements of Table 3.

Table 3 - Requirements for Ground Tire Rubber (GTR) Modified Asphalt Binders		
Test	Asphalt Grade GTR PG 64-28 GTR PG 70-22	Asphalt Grade GTR PG 76-22 GTR PG 76-28 GTR PG 70-28
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

- (3) Softener Modification (SM). Softener modification is the addition of organic compounds, such as engineered flux, bio-oil blends, modified vegetable oils, glycol amines, and fatty acid derivatives, to the base asphalt binder to achieve the specified performance grade. Softeners shall be dissolved, dispersed, or reacted in the asphalt binder to enhance its performance and shall remain compatible with the asphalt binder with no separation. Softeners shall not be added to modified PG asphalt binder as defined in Articles 1032.05(b)(1) or 1032.05(b)(2).

An Attenuated Total Reflectance-Fourier Transform Infrared spectrum (ATR-FTIR) shall be collected for both the softening compound as well as the softener modified

asphalt binder at the dose intended for qualification. The ATR-FTIR spectra shall be collected on unaged softener modified binder, 20-hour Pressurized Aging Vessel (PAV) aged softener modified binder, and 40-hour PAV aged softener modified binder. The ATR-FTIR shall be collected in accordance with Illinois Test Procedure 601. The electronic files spectral files (in one of the following extensions or equivalent: *.SPA, *.SPG, *.IRD, *.IFG, *.CSV, *.SP, *.IRS, *.GAML, *. [0-9], *.IGM, *.ABS, *.DRT, *.SBM, *.RAS) shall be submitted to the Central Bureau of Materials.

Softener modified asphalt binders shall meet the requirements in Table 4.

Table 4 - Requirements for Softener Modified Asphalt Binders		
Test	Asphalt Grade	
	SM PG 46-28	SM PG 46-34
	SM PG 52-28	SM PG 52-34
	SM PG 58-22	SM PG 58-28
	SM PG 64-22	
Small Strain Parameter (AASHTO PP 113) BBR, ΔT_c , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5°C min.	
Large Strain Parameter (Illinois Modified AASHTO T 391) DSR/LAS Fatigue Property, $\Delta G^* _{peak}$, 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	≥ 54 %	

The following grades may be specified as tack coats.

Asphalt Grade	Use
PG 58-22, PG 58-28, PG 64-22	Tack Coat"

Revise Article 1031.06(c)(1) and 1031.06(c)(2) of the Standard Specifications to read:

“(1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin ABR shall not exceed the amounts listed in the following table.

HMA Mixtures - RAP/RAS Maximum ABR % ^{1/2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP/RAS ABR shall not exceed 50 percent of the mixture.

- 2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).
- 3/ The maximum ABR percentages for ground tire rubber (GTR) modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.
- (2) FRAP/RAS. When FRAP is used alone or FRAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the following table.

HMA Mixtures - FRAP/RAS Maximum ABR % ^{1/ 2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	55	45	15
50	45	40	15
70	45	35	15
90	45	35	15
SMA	- -	- -	25
IL-4.75	- -	- -	35

- 1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.
- 2/ When FRAP/RAS ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).
- 3/ The maximum ABR percentages for GTR modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.”

Add the following to the end of Note 2 of Article 1030.03 of the Standard Specifications.

“A dedicated storage tank for the ground tire rubber (GTR) modified asphalt binder shall be provided. This tank shall be capable of providing continuous mechanical mixing throughout and/or recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ± 0.40 percent.”

80441

PORTLAND CEMENT CONCRETE (BDE)

Effective: August 1, 2023

Revise the second paragraph of Article 1103.03(a)(4) the Standard Specifications to read:

“The dispenser system shall provide a visual indication that the liquid admixture is actually entering the batch, such as via a transparent or translucent section of tubing or by independent check with an integrated secondary metering device. If approved by the Engineer, an alternate indicator may be used for admixtures dosed at rates of 25 oz/cwt (1630 mL/100 kg) or greater, such as accelerating admixtures, corrosion inhibitors, and viscosity modifying admixtures.”

80451

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE)

Effective: January 1, 2024

Revised: April 1, 2024

Revise the first paragraph of Article 669.04 of the Standard Specifications to read:

“669.04 Regulated Substances Monitoring. Regulated substances monitoring includes environmental observation and field screening during regulated substances management activities. The excavated soil and groundwater within the work areas shall be managed as either uncontaminated soil, hazardous waste, special waste, or non-special waste.

As part of the regulated substances monitoring, the monitoring personnel shall perform and document the applicable duties listed on form BDE 2732 “Regulated Substances Monitoring Daily Record (RSM DR)”.

Revise the first two sentences of the nineteenth paragraph of Article 669.05 of the Standard Specifications to read:

“The Contractor shall coordinate waste disposal approvals with the disposal facility and provide the specific analytical testing requirements of that facility. The Contractor shall make all arrangements for collection, transportation, and analysis of landfill acceptance testing.”

Revise the last paragraph of Article 669.05 of the Standard Specifications to read:

“The Contractor shall select a permitted landfill facility or CCDD/USFO facility meeting the requirements of 35 Ill. Admin. Code Parts 810-814 or Part 1100, respectively. The Department will review and approve or reject the facility proposed by the Contractor based upon information provided in BDE 2730. The Contractor shall verify whether the selected facility is compliant with those applicable standards as mandated by their permit and whether the facility is presently, has previously been, or has never been, on the United States Environmental Protection Agency (U.S. EPA) National Priorities List or the Resource Conservation and Recovery Act (RCRA) List of Violating Facilities. The use of a Contractor selected facility shall in no manner delay the construction schedule or alter the Contractor's responsibilities as set forth.”

Revise the first paragraph of Article 669.07 of the Standard Specifications to read:

“669.07 Temporary Staging. Soil classified according to Articles 669.05(a)(2), (b)(1), or (c) may be temporarily staged at the Contractor's option. All other soil classified according to Articles 669.05(a)(1), (a)(3), (a)(4), (a)(5), (a)(6), or (b)(2) shall be managed and disposed of without temporary staging to the greatest extent practicable. If circumstances beyond the Contractor's control require temporary staging of these latter materials, the Contractor shall request approval from the Engineer in writing.

Topsoil for re-use as final cover which has been field screened and found not to exhibit PID readings over daily background readings as documented on the BDE 2732, visual staining or

odors, and is classified according to Articles 669.05(a)(2), (a)(3), (a)(4), (b)(1), or (c) may be temporarily staged at the Contractor's option."

Add the following paragraph after the sixth paragraph of Article 669.11 of the Standard Specifications.

"The sampling and testing of effluent water derived from dewatering discharges for priority pollutants volatile organic compounds (VOCs), priority pollutants semi-volatile organic compounds (SVOCs), or priority pollutants metals, will be paid for at the contract unit price per each for VOCS GROUNDWATER ANALYSIS using EPA Method 8260B, SVOCS GROUNDWATER ANALYSIS using EPA Method 8270C, or RCRA METALS GROUNDWATER ANALYSIS using EPA Methods 6010B and 7471A. This price shall include transporting the sample from the job site to the laboratory."

Revise the first sentence of the eight paragraph of Article 669.11 of the Standard Specifications to read:

"Payment for temporary staging of soil classified according to Articles 669.05(a)(1), (a)(3), (a)(4), (a)(5), (a)(6), or (b)(2) to be managed and disposed of, if required and approved by the Engineer, will be paid according to Article 109.04."

80455

SEEDING (BDE)

Effective: November 1, 2022

Revise Article 250.07 of the Standard Specifications to read:

“250.07 Seeding Mixtures. The classes of seeding mixtures and combinations of mixtures will be designated in the plans.

When an area is to be seeded with two or more seeding classes, those mixtures shall be applied separately on the designated area within a seven day period. Seeding shall occur prior to placement of mulch cover. A Class 7 mixture can be applied at any time prior to applying any seeding class or added to them and applied at the same time.

TABLE 1 - SEEDING MIXTURES			
Class - Type	Seeds	lb/acre (kg/hectare)	
1 Lawn Mixture 1/	Kentucky Bluegrass	100 (110)	
	Perennial Ryegrass	60 (70)	
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	40 (50)	
1A Salt Tolerant Lawn Mixture 1/	Kentucky Bluegrass	60 (70)	
	Perennial Ryegrass	20 (20)	
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	20 (20)	
	<i>Festuca brevipila</i> (Hard Fescue)	20 (20)	
	<i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70)	
1B Low Maintenance Lawn Mixture 1/	Turf-Type Fine Fescue 3/	150 (170)	
	Perennial Ryegrass	20 (20)	
	Red Top	10 (10)	
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	20 (20)	
2 Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue)	100 (110)	
	Perennial Ryegrass	50 (55)	
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	40 (50)	
	Red Top	10 (10)	
2A Salt Tolerant Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue)	60 (70)	
	Perennial Ryegrass	20 (20)	
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	30 (20)	
	<i>Festuca brevipila</i> (Hard Fescue)	30 (20)	
	<i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70)	
3 Northern Illinois Slope Mixture 1/	<i>Elymus canadensis</i>	5 (5)	
	(Canada Wild Rye) 5/		
	Perennial Ryegrass	20 (20)	
	Alsike Clover 4/	5 (5)	
	<i>Desmanthus illinoensis</i>	2 (2)	
	(Illinois Bundleflower) 4/ 5/		
	<i>Schizachyrium scoparium</i>	12 (12)	
	(Little Bluestem) 5/		
	<i>Bouteloua curtipendula</i>	10 (10)	
	(Side-Oats Grama) 5/		
	<i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	30 (35)	
	Oats, Spring	50 (55)	
3A Southern Illinois Slope Mixture 1/	Slender Wheat Grass 5/	15 (15)	
	Buffalo Grass 5/ 7/	5 (5)	
	Perennial Ryegrass	20 (20)	
	<i>Elymus canadensis</i>	20 (20)	
	(Canada Wild Rye) 5/		
	<i>Panicum virgatum</i> (Switchgrass) 5/	10 (10)	
	<i>Schizachyrium scoparium</i>	12 (12)	
	(Little Blue Stem) 5/		
	<i>Bouteloua curtipendula</i>	10 (10)	
	(Side-Oats Grama) 5/		
	<i>Dalea candida</i>	5 (5)	
	(White Prairie Clover) 4/ 5/		
	<i>Rudbeckia hirta</i> (Black-Eyed Susan) 5/	5 (5)	
	Oats, Spring	50 (55)	

Class – Type		Seeds	lb/acre (kg/hectare)
4	Native Grass 2/ 6/	<i>Andropogon gerardi</i>	4 (4)
		(Big Blue Stem) 5/	
		<i>Schizachyrium scoparium</i>	5 (5)
		(Little Blue Stem) 5/	
		<i>Bouteloua curtipendula</i>	5 (5)
		(Side-Oats Grama) 5/	
		<i>Elymus canadensis</i>	1 (1)
		(Canada Wild Rye) 5/	
		<i>Panicum virgatum</i> (Switch Grass) 5/	1 (1)
		<i>Sorghastrum nutans</i> (Indian Grass) 5/	2 (2)
4A	Low Profile Native Grass 2/ 6/	Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Perennial Ryegrass	15 (15)
		<i>Schizachyrium scoparium</i>	5 (5)
		(Little Blue Stem) 5/	
		<i>Bouteloua curtipendula</i>	5 (5)
		(Side-Oats Grama) 5/	
		<i>Elymus canadensis</i>	1 (1)
		(Canada Wild Rye) 5/	
		<i>Sporobolus heterolepis</i>	0.5 (0.5)
4B	Wetland Grass and Sedge Mixture 2/ 6/	Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Wetland Grasses (species below) 5/	6 (6)
		<u>Species:</u>	<u>% By Weight</u>
		<i>Calamagrostis canadensis</i> (Blue Joint Grass)	12
		<i>Carex lacustris</i> (Lake-Bank Sedge)	6
		<i>Carex slipata</i> (Awl-Fruited Sedge)	6
		<i>Carex stricta</i> (Tussock Sedge)	6
		<i>Carex vulpinoidea</i> (Fox Sedge)	6
		<i>Eleocharis acicularis</i> (Needle Spike Rush)	3
		<i>Eleocharis obtusa</i> (Blunt Spike Rush)	3
		<i>Glyceria striata</i> (Fowl Manna Grass)	14
		<i>Juncus effusus</i> (Common Rush)	6
		<i>Juncus tenuis</i> (Slender Rush)	6
		<i>Juncus torreyi</i> (Torrey's Rush)	6
		<i>Leersia oryzoides</i> (Rice Cut Grass)	10
		<i>Scirpus acutus</i> (Hard-Stemmed Bulrush)	3
		<i>Scirpus atrovirens</i> (Dark Green Rush)	3
		<i>Bolboschoenus fluviatilis</i> (River Bulrush)	3
		<i>Schoenoplectus tabernaemontani</i> (Softstem Bulrush)	3
		<i>Spartina pectinata</i> (Cord Grass)	4

Class – Type	Seeds	lb/acre (kg/hectare)
5	Forb with Annuals Mixture 2/ 5/ 6/	Annuals Mixture (Below) Forb Mixture (Below)
		1 (1) 10 (10)
	Annuals Mixture - Mixture not exceeding 25 % by weight of any one species, of the following:	
	<i>Coreopsis lanceolata</i> (Sand Coreopsis) <i>Leucanthemum maximum</i> (Shasta Daisy) <i>Gaillardia pulchella</i> (Blanket Flower) <i>Ratibida columnifera</i> (Prairie Coneflower) <i>Rudbeckia hirta</i> (Black-Eyed Susan)	
	Forb Mixture - Mixture not exceeding 5 % by weight PLS of any one species, of the following:	
	<i>Amorpha canescens</i> (Lead Plant) 4/ <i>Anemone cylindrica</i> (Thimble Weed) <i>Asclepias tuberosa</i> (Butterfly Weed) <i>Aster azureus</i> (Sky Blue Aster) <i>Symphyotrichum leave</i> (Smooth Aster) <i>Aster novae-angliae</i> (New England Aster) <i>Baptisia leucantha</i> (White Wild Indigo) 4/ <i>Coreopsis palmata</i> (Prairie Coreopsis) <i>Echinacea pallida</i> (Pale Purple Coneflower) <i>Eryngium yuccifolium</i> (Rattlesnake Master) <i>Helianthus mollis</i> (Downy Sunflower) <i>Heliopsis helianthoides</i> (Ox-Eye) <i>Liatris aspera</i> (Rough Blazing Star) <i>Liatris pycnostachya</i> (Prairie Blazing Star) <i>Monarda fistulosa</i> (Prairie Bergamot) <i>Parthenium integrifolium</i> (Wild Quinine) <i>Dalea candida</i> (White Prairie Clover) 4/ <i>Dalea purpurea</i> (Purple Prairie Clover) 4/ <i>Physostegia virginiana</i> (False Dragonhead) <i>Potentilla arguta</i> (Prairie Cinquefoil) <i>Ratibida pinnata</i> (Yellow Coneflower) <i>Rudbeckia subtomentosa</i> (Fragrant Coneflower) <i>Silphium laciniatum</i> (Compass Plant) <i>Silphium terebinthinaceum</i> (Prairie Dock) <i>Oligoneuron rigidum</i> (Rigid Goldenrod) <i>Tradescantia ohiensis</i> (Spiderwort) <i>Veronicastrum virginicum</i> (Culver's Root)	

Class – Type		Seeds	lb/acre (kg/hectare)
5A	Large Flower Native Forb Mixture 2/ 5/ 6/	Forb Mixture (see below)	5 (5)
	<u>Species:</u>	<u>% By Weight</u>	
	<i>Aster novae-angliae</i> (New England Aster)	5	
	<i>Echinacea pallida</i> (Pale Purple Coneflower)	10	
	<i>Helianthus mollis</i> (Downy Sunflower)	10	
	<i>Heliopsis helianthoides</i> (Ox-Eye)	10	
	<i>Liatris pycnostachya</i> (Prairie Blazing Star)	10	
	<i>Ratibida pinnata</i> (Yellow Coneflower)	5	
	<i>Rudbeckia hirta</i> (Black-Eyed Susan)	10	
	<i>Silphium laciniatum</i> (Compass Plant)	10	
	<i>Silphium terebinthinaceum</i> (Prairie Dock)	20	
	<i>Oligoneuron rigidum</i> (Rigid Goldenrod)	10	
5B	Wetland Forb 2/ 5/ 6/	Forb Mixture (see below)	2 (2)
	<u>Species:</u>	<u>% By Weight</u>	
	<i>Acorus calamus</i> (Sweet Flag)	3	
	<i>Angelica atropurpurea</i> (Angelica)	6	
	<i>Asclepias incarnata</i> (Swamp Milkweed)	2	
	<i>Aster puniceus</i> (Purple Stemmed Aster)	10	
	<i>Bidens cernua</i> (Beggarticks)	7	
	<i>Eutrochium maculatum</i> (Spotted Joe Pye Weed)	7	
	<i>Eupatorium perfoliatum</i> (Boneset)	7	
	<i>Helenium autumnale</i> (Autumn Sneeze Weed)	2	
	<i>Iris virginica shrevei</i> (Blue Flag Iris)	2	
	<i>Lobelia cardinalis</i> (Cardinal Flower)	5	
	<i>Lobelia siphilitica</i> (Great Blue Lobelia)	5	
	<i>Lythrum alatum</i> (Winged Loosestrife)	2	
	<i>Physostegia virginiana</i> (False Dragonhead)	5	
	<i>Persicaria pensylvanica</i> (Pennsylvania Smartweed)	10	
	<i>Persicaria lapathifolia</i> (Curlytop Knotweed)	10	
	<i>Pychanthemum virginianum</i> (Mountain Mint)	5	
	<i>Rudbeckia laciniata</i> (Cut-leaf Coneflower)	5	
	<i>Oligoneuron riddellii</i> (Riddell Goldenrod)	2	
	<i>Sparganium eurycarpum</i> (Giant Burreed)	5	
6	Conservation Mixture 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring	5 (5) 2 (2) 5 (5) 15 (15) 48 (55)
6A	Salt Tolerant Conservation Mixture 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring <i>Puccinellia distans</i> (Fulfs Saltgrass or Salty Alkaligrass)	5 (5) 2 (2) 5 (5) 15 (15) 48 (55) 20 (20)
7	Temporary Turf Cover Mixture	Perennial Ryegrass Oats, Spring	50 (55) 64 (70)

Notes:

- 1/ Seeding shall be performed when the ambient temperature has been between 45 °F (7 °C) and 80 °F (27 °C) for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.
- 2/ Seeding shall be performed in late fall through spring beginning when the ambient temperature has been below 45 °F (7 °C) for a minimum of seven (7) consecutive days and ending when the ambient temperature exceeds 80 °F (27 °C) according to the National Weather Service.
- 3/ Specific variety as shown in the plans or approved by the Engineer.
- 4/ Inoculation required.
- 5/ Pure Live Seed (PLS) shall be used.
- 6/ Fertilizer shall not be used.
- 7/ Seed shall be primed with KNO_3 to break dormancy and dyed to indicate such.

Seeding will be inspected after a period of establishment. The period of establishment shall be six (6) months minimum, but not to exceed nine (9) months. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department."

80445

SHORT TERM AND TEMPORARY PAVEMENT MARKINGS (BDE)

Effective: April 1, 2024

Revised: April 2, 2024

Revise Article 701.02(d) of the Standard Specifications to read:

“(d) Pavement Marking Tapes (Note 3) 1095.06”

Add the following Note to the end of Article 701.02 of the Standard Specifications:

“Note 3. White or yellow pavement marking tape that is to remain in place longer than 14 days shall be Type IV tape.”

Revise Article 703.02(c) of the Standard Specifications to read:

“(c) Pavement Marking Tapes (Note 1) 1095.06”

Add the following Note to the end of Article 703.02 of the Standard Specifications:

“Note 1. White or yellow pavement marking tape that is to remain in place longer than 14 days shall be Type IV tape.”

Revise Article 1095.06 of the Standard Specifications to read:

“1095.06 Pavement Marking Tapes. Type I white or yellow marking tape shall consist of glass spheres embedded into a binder on a foil backing that is precoated with a pressure sensitive adhesive. The spheres shall be of uniform gradation and distributed evenly over the surface of the tape.

Type IV tape shall consist of white or yellow tape with wet reflective media incorporated to provide immediate and continuing retroreflection in wet and dry conditions. The wet retroreflective media shall be bonded to a durable polyurethane surface. The patterned surface shall have approximately 40 ± 10 percent of the surface area raised and presenting a near vertical face to traffic from any direction. The channels between the raised areas shall be substantially free of exposed reflective elements or particles.

Blackout tape shall consist of a matte black, non-reflective, patterned surface that is precoated with a pressure sensitive adhesive.

- (a) Color. The white and yellow markings shall meet the following requirements for daylight reflectance and color, when tested, using a color spectrophotometer with 45 degrees circumferential/zero degree geometry, illuminant D65, and two degree observer angle. The color instrument shall measure the visible spectrum from 380 to 720 nm with a wavelength measurement interval and spectral bandpass of 10 nm.

Color	Daylight Reflectance %Y
White	65 min.
Yellow *	36 - 59

*Shall match Aerospace Material Specification Standard 595 33538 (Orange Yellow) and the chromaticity limits as follows.

x	0.490	0.475	0.485	0.530
y	0.470	0.438	0.425	0.456

- (b) Retroreflectivity. The white and yellow markings shall be retroreflective. Reflective values measured in accordance with the photometric testing procedure of ASTM D 4061 shall not be less than those listed in the table below. The coefficient of retroreflected luminance, R_L , shall be expressed as average millicandelas/footcandle/sq ft (millicandelas/lux/sq m), measured on a 3.0 x 0.5 ft (900 mm x 150 mm) panel at 86 degree entrance angle.

Coefficient of Retroreflected Luminance, R_L , Dry					
Type I			Type IV		
Observation Angle	White	Yellow	Observation Angle	White	Yellow
0.2°	2700	2400	0.2°	1300	1200
0.5°	2250	2000	0.5°	1100	1000

Wet retroreflectance shall be measured for Type IV under wet conditions according to ASTM E 2177 and meet the following.

Wet Retroreflectance, Initial R_L	
Color	R_L 1.05/88.76
White	300
Yellow	200

- (c) Skid Resistance. The surface of Type IV and blackout markings shall provide a minimum skid resistance of 45 BPN when tested according to ASTM E 303.
- (d) Application. The pavement marking tape shall have a precoated pressure sensitive adhesive and shall require no activation procedures. Test pieces of the tape shall be applied according to the manufacturer's instructions and tested according to ASTM D 1000, Method A, except that a stiff, short bristle roller brush and heavy hand pressure will be substituted for the weighted rubber roller in applying the test pieces to the metal test panel. Material tested as directed above shall show a minimum adhesion value of 750 g/in. (30 g/mm) width at the temperatures specified in ASTM D 1000. The adhesive shall be resistant to oils, acids, solvents, and water, and shall not leave objectionable stains or residue after removal. The material shall be flexible and conformable to the texture of the pavement.

- (e) Durability. Type IV and blackout tape shall be capable of performing for the duration of a normal construction season and shall then be capable of being removed intact or in large sections at pavement temperatures above 40 °F (4 °C) either manually or with a roll-up device without the use of sandblasting, solvents, or grinding. The Contractor shall provide a manufacturer's certification that the material meets the requirements for being removed after the following minimum traffic exposure based on transverse test decks with rolling traffic.

- (1) Time in place - 400 days
- (2) ADT per lane - 9,000 (28 percent trucks)
- (3) Axle hits - 10,000,000 minimum

Samples of the material applied to standard specimen plates will be measured for thickness and tested for durability in accordance with ASTM D 4060, using a CS-17 wheel and 1000-gram load, and shall meet the following criteria showing no significant change in color after being tested for the number of cycles indicated.

Test	Type I	Type IV	Blackout
Minimum Initial Thickness, mils (mm)	20 (0.51)	65 (1.65) ^{1/} 20 (0.51) ^{2/}	65 (1.65) ^{1/} 20 (0.51) ^{2/}
Durability (cycles)	5,000	1,500	1,500

1/ Measured at the thickest point of the patterned surface.

2/ Measured at the thinnest point of the patterned surface.

The pavement marking tape, when applied according to the manufacturer's recommended procedures, shall be weather resistant and shall show no appreciable fading, lifting, or shrinkage during the useful life of the marking. The tape, as applied, shall be of good appearance, free of cracks, and edges shall be true, straight, and unbroken.

- (f) Sampling and Inspection.

- (1) Sample. Prior to approval and use of Type IV pavement marking tape, the manufacturer shall submit a notarized certification from an independent laboratory, together with the results of all tests, stating that the material meets the requirements as set forth herein. The independent laboratory test report shall state the lot tested, the manufacturer's name, and the date of manufacture.

After initial approval by the Department, samples and certification by the manufacturer shall be submitted for each subsequent batch of Type IV tape used. The manufacturer shall submit a certification stating that the material meets the requirements as set forth herein and is essentially identical to the material sent for qualification. The certification shall state the lot tested, the manufacturer's name, and the date of manufacture.

- (2) Inspection. The Contractor shall provide a manufacturer's certification to the Engineer stating the material meets all requirements of this specification. All material samples for acceptance tests shall be taken or witnessed by a representative of the Bureau of Materials and shall be submitted to the Engineer of Materials, 126 East Ash Street, Springfield, Illinois 62704-4766 at least 30 days in advance of the pavement marking operations."

80457

SUBCONTRACTOR AND DBE PAYMENT REPORTING (BDE)

Effective: April 2, 2018

Add the following to Section 109 of the Standard Specifications.

“109.14 Subcontractor and Disadvantaged Business Enterprise Payment Reporting.
The Contractor shall report all payments made to the following parties:

- (a) first tier subcontractors;
- (b) lower tier subcontractors affecting disadvantaged business enterprise (DBE) goal credit;
- (c) material suppliers or trucking firms that are part of the Contractor's submitted DBE utilization plan.

The report shall be made through the Department's on-line subcontractor payment reporting system within 21 days of making the payment.”

80397

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

“This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor’s work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%”

80391

SURFACE TESTING OF PAVEMENTS – IRI (BDE)

Effective: January 1, 2021

Revised: January 1, 2023

Description. This work shall consist of testing the ride quality of the finished surface of pavement sections with new concrete pavement, PCC overlays, full-depth HMA, and HMA overlays with at least 2.25 in. (57 mm) total thickness of new HMA combined with either HMA binder or HMA surface removal, according to Illinois Test Procedure 701, “Ride Quality Testing Using the International Roughness Index (IRI)”. Work shall be according to Sections 406, 407, or 420 of the Standard Specifications, except as modified herein.

Hot-Mix Asphalt (HMA) Overlays

Add the following to Article 406.03 of the Standard Specifications:

“(n) Pavement Surface Grinding Equipment.....1101.04”

Revise Article 406.11 of the Standard Specifications to read:

“406.11 Surface Tests. Prior to HMA overlay pavement improvements, the Engineer will measure the smoothness of the existing high-speed mainline pavement. The Contractor shall measure the smoothness of the finished high-speed mainline, low-speed mainline, and miscellaneous pavements after the pavement improvement is complete but within the same construction season. Testing shall be performed in the presence of the Engineer and according to Illinois Test Procedure 701. The pavement will be identified as high-speed mainline, low-speed mainline, or miscellaneous as follows.

(a) Test Sections.

- (1) **High-Speed Mainline Pavement.** High-speed mainline pavement consists of pavements, ramps, and loops with a posted speed limit greater than 45 mph. These sections shall be tested with an inertial profiling system (IPS).
- (2) **Low-Speed Mainline Pavement.** Low-speed mainline pavement consists of pavements, ramps, and loops with a posted speed limit of 45 mph or less. These sections shall be tested using a 16 ft (5 m) straightedge or with an IPS analyzed using the rolling 16 ft (5 m) straightedge simulation in ProVAL.
- (3) **Miscellaneous Pavement.** Miscellaneous pavement are segments that either cannot readily be tested by an IPS or conditions beyond the control of the Contractor preclude the achievement of smoothness levels typically achievable with mainline pavement construction. This may include the following examples or as determined by the Engineer.

- a. Pavement on horizontal curves with a centerline radius of curvature of less than or equal to 1,000 ft (300 m) and the pavement within the superelevation transition of such curves;
- b. Pavement on vertical curves having a length less than or equal to 200 ft (60 m) in combination with an algebraic change in tangent grade greater than or equal to 3 percent as may occur on urban ramps or other constricted-space facilities;
- c. The first and last 50 ft (15 m) of a pavement section where the Contractor is not responsible for the adjoining surface;
- d. Intersections and the 25 ft (7.6 m) before and after an intersection or end of radius return;
- e. Variable width pavements;
- f. Side street returns, to the end of radius return;
- g. Crossovers;
- h. Pavement connector for bridge approach slab;
- i. Bridge approach slab;
- j. Pavement that must be constructed in segments of 600 ft (180 m) or less;
- k. Pavement within 25 ft (7.6 m) of manholes, utility structures, at-grade railroad crossings, or other appurtenances;
- l. Turn lanes; and
- m. Pavement within 5 ft (1.5 m) of jobsite sampling locations for HMA volumetric testing that fall within the wheel path.

Miscellaneous pavement shall be tested using a 16 ft (5 m) straightedge.

- (4) International Roughness Index (IRI). An index computed from a longitudinal profile measurement using a quarter-car simulation at a simulation speed of 50 mph (80 km/h).
- (5) Mean Roughness Index (MRI). The average of the IRI values for the right and left wheel tracks.
 - a. MRI_O . The MRI of the existing pavement prior to construction.
 - b. MRI_I . The MRI value that warrants an incentive payment.

- c. MRI_F . The MRI value that warrants full payment.
 - d. MRI_D . The MRI value that warrants a financial disincentive.
- (6) Areas of Localized Roughness (ALR). Isolated areas of roughness, which can cause significant increase in the calculated MRI for a given subplot.
- (7) Sublot. A continuous strip of pavement 0.1 mile (160 m) long and one lane wide. A partial subplot greater than or equal to 264 ft (80 m) will be subject to the same evaluation as a whole subplot. Partial sublots less than 264 ft (80 m) shall be included with the previous subplot for evaluation purposes.
- (b) Corrective Work. Corrective work shall be completed according to the following.
- (1) High-Speed Mainline Pavement. For high-speed mainline pavement, any 25 ft (7.6 m) interval with an ALR in excess of 200 in./mile (3,200 mm/km) will be identified by the Engineer and shall be corrected by the Contractor. Any subplot having a MRI greater than MRI_D , including ALR, shall be corrected to reduce the MRI to the MRI_F , or replaced at the Contractor's option.
 - (2) Low-Speed Mainline Pavement. Surface variations in low-speed mainline pavement which exceed the 5/16 in. (8 mm) tolerance will be identified by the Engineer and shall be corrected by the Contractor.
 - (3) Miscellaneous Pavements. Surface variations in miscellaneous pavement which exceed the 5/16 in. (8 mm) tolerance will be identified by the Engineer and shall be corrected by the Contractor.
- Corrective work shall be completed with pavement surface grinding equipment or by removing and replacing the pavement. Corrective work shall be applied to the full lane width. When completed, the corrected area shall have uniform texture and appearance, with the beginning and ending of the corrected area perpendicular to the centerline of the paved surface.
- Upon completion of the corrective work, the surface of the subplot(s) shall be retested. The Contractor shall furnish the data and reports to the Engineer within 2 working days after corrections are made. If the MRI and/or ALR still do not meet the requirements, additional corrective work shall be performed.
- Corrective work shall be at no additional cost to the Department.
- (c) Smoothness Assessments. Assessments will be paid to or deducted from the Contractor for each subplot of high-speed mainline pavement per the Smoothness Assessment Schedule. Assessments will be based on the MRI of each subplot prior to performing any corrective work unless the Contractor has chosen to remove and replace the pavement.

For pavement that is replaced, assessments will be based on the MRI determined after replacement.

The upper MRI thresholds for high-speed mainline pavement are dependent on the MRI of the existing pavement before construction (MRI_0) and shall be determined as follows.

Upper MRI Thresholds ^{1/}	MRI Thresholds (High-Speed, HMA Overlay)	
	$MRI_0 \leq 125.0$ in./mile ($\leq 1,975$ mm/km)	$MRI_0 > 125.0$ in./mile ^{1/} ($> 1,975$ mm/km)
Incentive (MRI_I)	45.0 in./mile (710 mm/km)	$0.2 \times MRI_0 + 20$
Full Pay (MRI_F)	75.0 in./mile (1,190 mm/km)	$0.2 \times MRI_0 + 50$
Disincentive (MRI_D)	100.0 in./mile (1,975 mm/km)	$0.2 \times MRI_0 + 75$

1/ MRI_0 , MRI_I , MRI_F , and MRI_D shall be in in./mile for calculation.

Smoothness assessments for high-speed mainline pavement shall be determined as follows.

SMOOTHNESS ASSESSMENT SCHEDULE (High-Speed, HMA Overlay)	
Mainline Pavement MRI Range	Assessment Per Sublot ^{1/}
$MRI \leq MRI_I$	$+ (MRI_I - MRI) \times \$20.00$ ^{2/}
$MRI_I < MRI \leq MRI_F$	$+ \$0.00$
$MRI_F < MRI \leq MRI_D$	$- (MRI - MRI_F) \times \$8.00$
$MRI > MRI_D$	$- \$200.00$

1/ MRI , MRI_I , MRI_F , and MRI_D shall be in in./mile for calculation.

2/ The maximum incentive amount shall not exceed \$300.00.

Smoothness assessments will not be paid or deducted until all other contract requirements for the pavement are satisfied. Pavement that is corrected or replaced for reasons other than smoothness, shall be retested as stated herein."

Hot-Mix Asphalt (HMA) Pavement (Full-Depth)

Revise the first paragraph of Article 407.03 of the Standard Specifications to read:

"407.03 Equipment. Equipment shall be according to Article 406.03."

Revise Article 407.09 of the Standard Specifications to read:

"407.09 Surface Tests. The finished surface of the pavement shall be tested for smoothness

according to Article 406.11, except as follows:

The testing of the existing pavement prior to improvements shall not apply and the smoothness assessment for high-speed mainline pavement shall be determined according to the following table.

SMOOTHNESS ASSESSMENT SCHEDULE (High-Speed, Full-Depth HMA)	
Mainline Pavement MRI, in./mile (mm/km)	Assessment Per Sublot ^{1/}
≤ 45.0 (710)	$+ (45 - \text{MRI}) \times \$45.00$ ^{2/}
> 45.0 (710) to 75.0 (1,190)	$+ \$0.00$
> 75.0 (1,190) to 100.0 (1,580)	$- (\text{MRI} - 75) \times \$20.00$
> 100.0 (1,580)	$- \$500.00$

1/ MRI shall be in in./mile for calculation.

2/ The maximum incentive amount shall not exceed \$800.00.”

Portland Cement Concrete Pavement

Delete Article 420.03(i) of the Standard Specifications.

Revise Article 420.10 of the Standard Specifications to read:

“420.10 Surface Tests. The finished surface of the pavement shall be tested for smoothness according to Article 406.11, except as follows.

The testing of the existing pavement prior to improvements shall not apply. The Contractor shall measure the smoothness of the finished surface of the pavement after the pavement has attained a flexural strength of 250 psi (3,800 kPa) or a compressive strength of 1,600 psi (20,700 kPa).

Membrane curing damaged during testing shall be repaired as directed by the Engineer at no additional cost to the Department.

- (a) Corrective Work. No further texturing for skid resistance will be required for areas corrected by grinding. Protective coat shall be reapplied to areas ground according to Article 420.18 at no additional cost to the Department.

Jointed portland cement concrete pavement corrected by removal and replacement, shall be corrected in full panel sizes.

- (b) Smoothness Assessments. Smoothness assessment for high-speed mainline pavement shall be determined as follows.

SMOOTHNESS ASSESSMENT SCHEDULE (High-Speed, PCC)	
Mainline Pavement MRI, in./mile (mm/km) ^{3/}	Assessment Per Sublot ^{1/}
≤ 45.0 (710)	+ (45 – MRI) × \$60.00 ^{2/}
> 45.0 (710) to 75.0 (1,190)	+ \$0.00
> 75.0 (1,190) to 100.0 (1,580)	– (MRI – 75) × \$37.50
> 100.0 (1,580)	– \$750.00

1/ MRI shall be in in./mile for calculation.

2/ The maximum incentive amount shall not exceed \$1200.00.

3/ If pavement is constructed with traffic in the lane next to it, then an additional 10 in./mile will be added to the upper thresholds.”

Removal of Existing Pavement and Appurtenances

Revise the first paragraph of Article 440.04 of the Standard Specifications to read:

“440.04 HMA Surface Removal for Subsequent Resurfacing. The existing HMA surface shall be removed to the depth specified on the plans with a self-propelled milling machine. The removal depth may be varied slightly at the discretion of the Engineer to satisfy the smoothness requirements of the finished pavement. The temperature at which the work is performed, the nature and condition of the equipment, and the manner of performing the work shall be such that the milled surface is not torn, gouged, shoved or otherwise damaged by the milling operation. Sufficient cutting passes shall be made so that all irregularities or high spots are eliminated to the satisfaction of the Engineer. When tested with a 16 ft (5 m) straightedge, the milled surface shall have no surface variations in excess of 3/16 in. (5 mm).”

General Equipment

Revise Article 1101.04 of the Standard Specifications to read:

“1101.04 Pavement Surface Grinding Equipment. The pavement surface grinding device shall have a minimum effective head width of 3 ft (0.9 m).

- (a) Diamond Saw Blade Machine. The machine shall be self-propelled with multiple diamond saw blades.
- (b) Profile Milling Machine. The profile milling machine shall be a drum device with carbide or diamond teeth with spacing of 0.315 in. (8 mm) or less and maintain proper forward speed for surface texture according to the manufacturer’s specifications.”

80435

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021

Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

“The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations.”

80439

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Add the following to Article 701.03 of the Standard Specifications:

“(q) Temporary Sign Supports 1106.02”

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

“For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer’s specifications.”

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

“**701.15 Traffic Control Devices.** For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer’s self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device.”

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

“**1106.02 Devices.** Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 1 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 2 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact

attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH-16 compliant is available, an NCHRP 350 or MASH-2009 compliant device may be used, even if manufactured after December 31, 2019.”

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

“(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis.”

80427

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√	Dir	File Name	Spec Title	Spec Dates
x	DES\	104. Maintenance of Roadways.docx	Maintenance of Roadways (D1)	E 9/30/85 R 11/1/96
	DES\	104. Status Of Utilities.docx	Status of Utilities (D1)	E 06/01/16 R 01/01/20
	DES\	105. Construction Layout Special for resurfacing with ADA and stand alone ADA.docx	Construction Layout Special for Resurfacing with ADA and Stand Alone ADA (D1)	E 01/01/17 R 04/17/17
x	DES\	107. Public Convenience and Safety.docx	Public Convenience and Safety (D1)	E 05/01/12 R 07/15/12
	DES\	107. Tollway Permit and Bond.docx	Tollway Permit and Bond (D1)	E 01/13/89
	DES\	108. Completion Date Plus Working Days.docx	Completion Date Plus Working Days (D1)	E 09/30/85 R 01/01/07
	DES\	108. Failure to Complete Work on Time.docx	Failure to Complete the Work on Time (D1)	E 09/30/85 R 01/01/07
	DES\	108. Incentive Payment Plan.docx	Incentive Payment Plan (D1)	E 10/01/95 R 01/01/07
	DES\	202. Lightweight Cellular Concrete Fill.docx	Lightweight Cellular Concrete Fill (D-1)	E 11/11/01 R 06/18/18
	DES\	205. Embankment I.docx	Embankment I (D1)	E 03/01/11 R 11/01/13
	DES\	205. Embankment II.docx	Embankment II (D1)	E 03/01/11 R 11/01/13
	DES\	208. RAP for Non-Porous Embankment and Backfill.docx	RAP For Non-Porous Embankment and Backfill (D1)	E 04/01/01 R 01/01/07
	DES\	400. Temporary Pavement.docx	Temporary Pavement (D1)	E 03/01/03 R 04/10/08
	DES\	402. Aggregate Surface Course for Temporary Access.docx	Aggregate Surface Course for Temporary Access (D1)	E 04/01/01 R 01/02/07
x	DES\	406. HMA Binder and Surface Course.docx	HMA Binder and Surface Course (D1)	E 11/01/19 R 12/01/21
	DES\	406. Pavement Rehabilitation by Hot In-Place Recycling.docx	Pavement Rehabilitation by Hot In-Place Recycling (D1)	E 07/11/03 R 05/05/14
	DES\	406. Winterized Temporary Access.docx	Winterized Temporary Access (D1)	E 01/01/12 R 03/05/12
	DES\	424. Detectable Warnings (Special) in City of Chicago.docx	Detectable Warnings (Special) in City of Chicago (D1)	E 07/20/17
	DES\	440. Pavement Removal, Special.docx	Pavement Removal, Special (D1)	E 01/13/89 R 01/01/07
	DES\	442. Class D Patches (Special).docx	CLASS D PATCHES (SPECIAL)	E 07/24/20 R
	DES\	481. Grading and Shaping Shoulders.docx	Grading and Shaping Shoulders (D1)	E 12/28/01 R 01/01/07
	DES\	502. Cofferdam (Type 1) (In-Stream Wetland Work).docx	Cofferdam (Type 1) (In-Stream/Wetland Work) (D1)	E 01/01/19 R 08/15/22
	DES\	502. Rock Excavation for Structures, Special.docx	Rock Excavation for Structures, Special (D1)	E 09/30/85 R 01/01/07
	DES\	503. Concrete Noise Abatement Walls (Absorptive & Reflective).docx	Concrete Noise Abatement Walls (Absorptive & Reflective) (D1)	E 09/05/08 R 12/18/18
	DES\	522. Rustication Finish For Retaining Walls.docx	Rustication Finish For Retaining Walls (D1)	E 05/01/90 R 01/01/07
	DES\	550. Storm Sewer Adjacent to or Crossing Water Main.docx	Storm Sewer Adjacent to or Crossing Water Main (D1)	E 02/01/96 R 01/01/07
	DES\	550. Storm Sewers & Sewer Connections to City of Chicago Sewers.docx	Storm Sewers & Sewer Connections to City of Chicago Sewers	E 09/30/85 R 03/10/21
	DES\	600. Slotted Drain.docx	Slotted Drain (D1)	E 09/30/85 R 01/01/07
	DES\	602. Cleaning Existing Drainage Structures.docx	Cleaning Existing Drainage Structures (D1)	E 09/30/85 R 05/01/22
x	DES\	603. Adjustments-Reconstructs.docx	Adjustments and Reconstructions (D1)	E 03/15/11 R 10/01/21
x	DES\	603. Drainage and Inlet Protection Under Traffic.docx	Drainage and Inlet Protection Under Traffic (D1)	E 04/01/11 R 04/02/11
	DES\	606. Concrete Curb, Type B (Modified).docx	Concrete Curb, Type B (Modified) (D1)	E 09/30/85 R 01/01/07
	DES\	606. Curb or Combination Curb and Gutter Removal and Replacement.docx	Curb or Combination Curb and Gutter Removal and Replacement (D1)	E 01/01/20 R 09/01/22
	DES\	606. Stabilized Median Surface.docx	Stabilized Median Surface (D1)	E 09/30/85 R 03/02/17
	DES\	637. Aggregate For Concrete Barrier (D-1).docx	Aggregate for Concrete Barrier (D1)	E 03/11/04 R 01/24/08

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	DES\	670. Engineers Field Office Type A (D1).docx	Engineer's Field Office Type A (D1)	E 01/01/22
	DES\	670. Engineers Field Office Type A (Special) (D1).docx	Engineer's Field Office Type A (Special) (D1)	E 12/01/11 R 05/01/13
	DES\	701. Traffic Control & Protection (Arterials).docx	Traffic Control & Protection (Arterials) (D1)	E 02/01/96 R 03/01/11
	DES\	701. Traffic Control Plan.docx	Traffic Control Plan (D1)	E 09/30/85 R 01/01/07
x	DES\	1004. Friction Aggregate.docx	Friction Aggregate (D1)	E 01/01/11 R 12/01/21
	DES\	1005. Rockfill (D-1).docx	Rockfill	E 01/01/10 R 04/01/22
	DES\	1020. Slipform Paving.docx	Slipform Paving (D1)	E 11/01/14
	DES\	1030. HMA - Mixture Design Verification & Production.docx	HMA - Mixture Verification & Production (Modified for I-FIT) (D1)	E 01/01/19 R 12/01/21

Bureau of Electrical Special Provisions

	ELE\	810.02-UNDERGROUND RACEWAYS.docx	Underground Raceways	E 03/01/15
	ELE\	Breakaway Device 2023.docx	Breakaway Device	E 01/01/23
	ELE\	Combination Controller 2018.docx	Combination Lighting Controller	E 02/01/15 R 05/05/22
	ELE\	Elec Serv Disc lgt sig 2012.docx	Electric Service Disconnect, Lighting And Traffic Signal	E: 01/01/12
	ELE\	Fiber Optic Cable SM 2013 v2.docx	Fiber Optic Cable	E 03/15/13
	ELE\	Fiber Optic Cable SM Micro 2018 v1.docx	Fiber Optic Cable	E 02/01/18
	ELE\	Fiber Optic Cable Splice 2014 v1.docx	Fiber Optic Cable	E 06/01/14
	ELE\	General Electrical Provisions 2021.docx	General Electrical Requirements GPS	E 06/01/21
	ELE\	HighMast Luminaire LED 2021.docx	Luminaire, LED, Highmast	E 07/01/21
	ELE\	HPS Underpass 2012.docx	Underpass Luminaire, Hps, Stainless Steel Housing	E 01/01/12
	ELE\	Innerduct v4 2014.docx	Wire and Cable	E 10/01/14
	ELE\	Junction Box Embedded 2012.docx	Junction Box Embedded in Structure	E 01/01/12
	ELE\	Light Tower 2016 Galvanized AASHTO exception v2.docx	Light Tower	E 04/01/16
	ELE\	Lighting Controller SCADA 2012.docx	Lighting Controller, Radio Control, Duplex, Console Type	E 01/01/12
	ELE\	Lighting Maint 2017.docx	Maintenance of Lighting Systems	E 03/01/17
	ELE\	Luminaire safety cable 2012.docx	Luminaire Safety Cable Assembly	E 01/01/12
	ELE\	Microduct 2018 v2.docx	Underground Conduit, Multi-Duct, 16mm Microducts	E 10/01/18
	ELE\	Protect Underpass LightingSystem 2012.docx	Protect & Maintain Underpass Luminaires	E 07/01/12
	ELE\	Raceway Exposed 2012.docx	Exposed Raceways	E 01/01/12
	ELE\	Roadway Luminaire LED 2023.docx	Roadway Luminaire, LED	E 01/01/23
	ELE\	Service Connection 2012.docx	Electric Utility Service Connection (ComEd)	E 01/01/12
	ELE\	Service Install 2012.docx	Electric Service Installation	E 01/01/12
	ELE\	Temp light SingleLaneStg 2022.docx	Temporary Lighting For Single Lane Staging	E 01/01/22
	ELE\	Temp pole install 2012.docx	Temporary Wood Pole, Install Only	E 01/01/12
	ELE\	Underpass Luminaire LED 2021.docx	Underpass Luminaire, LED	E 07/01/21
	ELE\	Unit Duct 2012.docx	Unit Duct	E 01/01/12
	ELE\	Wire Cable 2012.docx	Wire and Cable	E 01/01/12

Guide Bridge Special Provisions

	GBS\	gbbsp13.doc	High Load Multi-Rotational Bearings	E 10/13/88 R 09/02/22

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GBS\	gbsp14.doc	Jack and Remove Existing Bearings	E 4/20/94 R 4/13/18
GBS\	gbsp15.doc	Three Sided Precast Concrete Structure	E 7/12/94 R 12/21/16
GBS\	gbsp16.doc	Jacking Existing Superstructure	E 1/11/93 R 4/13/18
GBS\	gbsp18.doc	Modular Expansion Joint	E 5/19/94 R 12/9/22
GBS\	gbsp21.doc	Cleaning and Painting Contact Surfaces of Existing Steel Structures	E 6/30/03 R 10/23/20
GBS\	GBSP25.doc	Cleaning and Painting Existing Steel Structures	E 10/02/01 R 10/23/20
GBS\	GBSP26.doc	Containment and Disposal of Lead Paint Cleaning Residues	E 10/02/01 R 04/22/16
GBS\	gbsp28.doc	Deck Slab Repair	E 5/15/95 R 4/13/18
GBS\	gbsp29.doc	Bridge Deck Microsilica Concrete Overlay	E 5/15/95 R 04/30/21
GBS\	gbsp30.doc	Bridge Deck Latex Concrete Overlay	E 5/15/95 R 04/30/21
GBS\	gbsp31.doc	Bridge Deck HRM Concrete Overlay	E 1/21/00 R 04/30/21
GBS\	gbsp33.doc	Pedestrian Truss Superstructure	E 1/13/98 R 12/9/22
GBS\	GBSP34.doc	Concrete Wearing Surface	E 6/23/94 R 10/04/16
GBS\	gbsp4.doc	Polymer Modified Portland Cement Mortar	E 6/7/94 R 04/01/16
GBS\	GBSP45.doc	Bridge Deck Thin Polymer Overlay	E 05/07/97 R 02/06/13
GBS\	GBSP53.doc	Structural Repair of Concrete	E 03/15/06 R 8/9/19
GBS\	GBSP55.doc	Erection of Curved Steel Structures	E 06/01/07 R
GBS\	GBSP59.docx	Diamond Grinding and Surface Testing	E 12/06/04 R 04/15/22
GBS\	GBSP60.doc	Containment and Disposal of Non Lead Paint Cleaning Residues	E 11/25/04 R 04/15/22
GBS\	GBSP61.doc	Slipform Parapet	E 06/01/07 R 03/01/19
GBS\	GBSP67.doc	Structural Assessment Reports for Contractor's Means and Methods	E 03/06/09 R 10/05/15
GBS\	GBSP71.doc	Aggregate Column Ground Improvement	E 01/15/09 R 10/15/11
GBS\	GBSP72.doc	Bridge Deck Fly Ash or Ground Granulated Blast-Furnace Concrete Overlay	E 1/18/11 R 04/30/21
GBS\	GBSP78.doc	Bridge Deck Construction	E 10/22/13 R 12/21/16
GBS\	GBSP79.doc	Bridge Deck Grooving (Longitudinal)	E 12/29/14 R 3/29/17
GBS\	GBSP81.docx	Membrane Waterproofing for buried Structures	E 10/04/16 R 3/1/19
GBS\	GBSP82.docx	Metallizing of Structural Steel	E 10/4/16 R 10/20/17
GBS\	GBSP83.docx	Hot Dip Galvanizing for Structural Steel	E 6/22/99 R 10/20/17
GBS\	GBSP85.docx	Micropiles	E 04/19/96 R 10/23/20
GBS\	GBSP86.doc	Drilled Shafts	E 10/05/15 R 10/04/16
GBS\	GBSP87.doc	Lightweight Cellular Concrete Fill	E 11/11/01 R 04/01/16
GBS\	GBSP88.doc	Corrugated Structural Plate Structures	E 4/22/16 R 4/13/18
GBS\	GBSP89.docx	Preformed Pavement Joint Seal	E 10/4/16 R 10/23/20
GBS\	GBSP90.doc	Three Sided Precast Concrete Structure	E 12/21/16 R 4/13/18
GBS\	GBSP91.docx	Crosshole Sonic Logging Testing of Drilled Shafts	E 04/20/16 R 8/9/19
GBS\	GBSP92.docx	Thermal Integrity testing of Drilled Shafts	E 04/20/16 R
GBS\	GBSP93.docx	Preformed Bridge Joint Seal	E 12/21/16 R 10/23/20
GBS\	GBSP94.doc	Warranty for Cleaning and Painting Steel Structures	E 3/3/00 R 11/24/04
GBS\	GBSP96.doc	Erection of Bridge Girders	E 8/9/19 R
GBS\	GBSP97.docx	Folded/Formed PVC Pipeliner	E 4/15/22 R
GBS\	GBSP98.docx	Cured-in-Place Pipe Liner	E 4/15/22 R
GBS\	GBSP99.docx	Spray-Applied Pipe Liner	E 4/15/22 R
GBS\	GBSP100.doc	Bar Splicers	E 9/2/22 R 12/9/22

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GBS\	GBSP101.docx	Noise Abatement Wall, Ground Mounted	E 12/9/22 R
GBS\	GBSP102.docm	Noise Abatement Wall, Structure Mounted	E 12/9/22 R
GBS\	GBSP103.docm	Noise Abatement Wall Anchor Rod Assembly	E 12/9/22 R
GBS\	index.doc	GBSP Check Sheet	
<u>Bridge and Roadway Maintenance Special Provisions</u>			
MNT1\	ADJRCK.doc	Adjust Rocker and Sole Plate	E 01/23/95 R 01/01/07
MNT1\	APPR SLAB REM&REPL.doc	Approach Slab Removal & Replacement	E 12/28/01 R 08/01/15
MNT1\	APSLRP.DOC	Approach Slab Repair	E 3/13/97 R 04/12/18
MNT1\	Bmstrt.doc	Beam Straightening	E 12/06/94 R 01/01/07
MNT1\	Brqpad.doc	Bearing Pad Adjustment	E 07/27/94 R 01/01/07
MNT1\	Bridge Drain Sys Repair.doc	Bridge Drainage System Repairs	E 11/16/10 R 09/15/11
MNT1\	BRR.doc	Bridge Rail Removal	E 04/15/99 R 01/01/07
MNT1\	Cleaning Drainage System.doc	Cleaning Drainage System	E 06/21/04 R 08/30/10
MNT1\	Concscar.doc	Concrete Bridge Deck Scarification [W/New Hma Overlay W/O Wms]	E 11/22/02 R 01/01/07
MNT1\	CWS.DOC	Concrete Wearing Surface [Use on Slab Bridges - for PPC Dk Bms use GBSP34]	E 06/23/94 R 01/01/07
MNT1\	Debris Removal.doc	Debris Removal	E 06/27/02
MNT1\	dowelrp.doc	Dowel Repair	E 07/27/94 R 01/01/07
MNT1\	EPXINJ.DOC	Epoxy Injection	E 12/06/94 R 01/01/07
MNT1\	Fldrex.doc	Floor Drain Extension	E 02/01/96 R 04/07/98
MNT1\	Grade Shape Foreslope.doc	Grading And Shaping Foreslopes	E 04/01/08
MNT1\	Groutrp.doc	Grout Repair	E 07/27/94 R 01/01/07
MNT1\	HMArm1.doc	Hot-Mix Asphalt Surface Removal Complete	E 12/08/93 R 01/01/07
MNT1\	HMArm2.DOC	Hot-Mix Asphalt Surface Removal [Use w/ PPC Deck Beams]	E 07/27/94 R 01/01/07
MNT1\	HMArm3.doc	Hot-Mix Asphalt Surface Removal (Deck)	E 04/29/96 R 01/01/07
MNT1\	HMArm4.doc	Hot-Mix Asphalt Surface Removal [Use w/Deck Slab Repairs]	E 07/27/94 R 01/01/07
MNT1\	Jckcrb.doc	Jacking and Cribbing	E 10/05/99 R 01/01/07
MNT1\	JKRPBR.DOC	Jack and Reposition Bearings	E 12/15/93 R 07/15/96
MNT1\	Keep Toll Open To Traffic.doc	Keeping the Tollway Open to Traffic	E 03/22/96 R 10/12/10
MNT1\	Keywyrp.doc	Keyway Repair	E 07/27/94 R 08/12/11
MNT1\	NIGHT WZ LIGHT(D1).doc	Nighttime Work Zone Lighting (D1)	E 11/01/08 R 06/15/10
MNT1\	PINLNK.DOC	Pin and Link Replacement	E 11/20/95 R 06/20/96
MNT1\	PINRR.DOC	Pin Replacement	E 06/11/96 R 06/20/96
MNT1\	plexdd.doc	Plug Existing Deck Drains	E 11/06/96 R 01/01/07
MNT1\	PPROSH.DOC	Permanent Protective Shield System	E 10/03/96 R 06/27/08
MNT1\	PrGrAng.doc	Pressure Grouting Angles	E 06/01/93 R 01/01/07
MNT1\	reancr.doc	Re-Anchor Existing Expansion Joint Angles	E 02/20/98
MNT1\	REBAR.DOC	Cleaning and Painting Exposed Rebar	E 03/20/97 R 01/01/07
MNT1\	RECIbm.doc	Removal of Existing Concrete I-Beam	E 07/09/98 R 05/05/99
MNT1\	REXPPCDB.doc	Removal of Existing Precast Prestressed Concrete Deck Beams	E 10/28/98 R 01/01/07
MNT1\	RREXRL.DOC	Removing and Re-Erecting Existing Railing	E 10/31/96 R 01/01/07
MNT1\	Scarify.doc	Concrete Bridge Deck Scarification	E 05/15/95 R 01/01/07
MNT1\	SteelRem.doc	Structural Steel Removal	E 10/03/97 R 01/01/07
MNT1\	steelrep.doc	Structural Steel Repair	E 12/15/00 R 01/01/07
MNT1\	STRBM.DOC	Straighten Bent Members	E 01/23/97 R 06/19/06

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MNT1\	StructRepConcr(SP).doc	Structural Repair Of Concrete (Special)	E 04/02/07
MNT1\	Tmsh1.doc	Temporary Shoring & Cribbing [when req'd for damaged beam replacement; requires SE]	E 06/16/92 R 03/11/03
MNT1\	Tmsh1a.doc	Temporary Shoring & Cribbing [when "May be req'd" for or Day Labor beam replacement; No SE req'd]	E 06/16/92 R 04/22/03
MNT1\	Tmsh2.doc	Temporary Shoring and Cribbing [for use w/longitudinal joint. closure on slab bridges]	E 07/27/94 R 03/11/03
MNT1\	TMPSH3.DOC	Temporary Shoring and Cribbing [Use during Pile Repair]	E 07/16/92 R 03/11/03
MNT1\	TMPSH4.DOC	Temporary Shoring and Cribbing [Use to support Beams over substructure repair]	E 7/16/92 R 10/17/11
MNT1\	TMPSH5.DOC	Temporary Shoring and Cribbing [Support Slab Bridge during Joint reconstruction]	E 07/16/92 R 03/11/03
MNT1\	TMPSH6.DOC	Temporary Shoring and Cribbing [support effected beam during beam end repairs]	E 10/22/04 R 11/09/04
MNT1\	TMPSLB.DOC	Temporary Slab Support System [use with beam replacement]	E 07/27/94 R 03/11/03
MNT1\	TMPSP1.DOC	Temporary Support System [Use for Pin & Link Replacement]	E 11/20/95 R 04/04/97
MNT1\	TMPSP2.DOC	Temporary Support System [Use if Pins over RR]	E 11/20/95 R 03/11/03
MNT1\	Work_Zone_Traff_Ctrl(D1-M).doc	Work Zone Traffic Control (D-1 Maintenance)	E 05/30/96 R 06/15/10
MNT2\	COARSE SAND PLACEMENT.doc	Coarse Sand Placement	E 02/07/07
MNT2\	GENERAL REQUIREMENTS FOR WEED CONTROL SPRAYING.doc	General Requirements For Weed Control Spraying	E 02/07/07
MNT2\	MULCH PLACEMENT FOR WOODY PLANTS.doc	Mulch Placement For Woody Plants	E 02/07/07
MNT2\	Pruning-safety.doc	Pruning For Safety And Equipment Clearance	E 10/31/06
MNT2\	SELECTIVE CLEARING.docx	Selective Clearing	E 02/08/07 R 09/01/22
MNT2\	WEED CONTROL PRE-EMERGENT GRANULAR HERBICIDE.doc	Weed Control, Pre-Emergent Granular Herbicide	E 07/29/02 R 02/07/07
MNT2\	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL.doc	Weed Control, Non-Selective And Non-Residual	E 02/07/07
MNT2\	WEED CONTROL, TEASEL (POUND).doc	Weed Control, Teasel (Pound)	E 02/07/07
<u>Bureau of Traffic Special Provisions</u>			
TRF\	701.01T-KEEPING THE EXPRESSWAY OPEN TO TRAFFIC.doc	Keeping The Expressway Open To Traffic	E 03/22/96 R 10/9/20
TRF\	701.02T-FAILURE TO OPEN TRAFFIC LANES TO TRAFFIC.docx	Failure To Open Traffic Lanes To Traffic	E 03/22/96 R 02/09/05
TRF\	701.03T-TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).doc	Traffic Control And Protection (Expressways)	E 03/08/96 R 01/25/24
TRF\	701.04T-TRAFFIC CONTROL SURVIELLANCE (EXPRESSWAYS).doc	Traffic Control Surveillance (Expressways)	E 10/25/95 R 01/21/15
TRF\	701.06T-TEMPORARY INFORMATION SIGNING.docx	Temporary Information Signing	E 11/13/96 R 01/29/20
TRF\	701.07T-TRAFFIC CONTROL FOR WORK ZONE AREAS.docx	Traffic Control For Work Zone Areas	E 09/14/95 R 01/01/07
TRF\	701.08Ta-KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC (LANE CLOSURES ONLY).docx	Keeping Arterial Roadways Open to Traffic (Lane Closures Only)	E 01/22/03 R 08/10/17

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TRF\	701.08Tb-KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC (WITH 15 MIN FULL STOPS).docx	Keeping Arterial Roadways Open to Traffic (With 15 MIN Full Stops)	E 01/22/03 R 08/10/17
TRF\	701.15T-SPEED DISPLAY TRAILER (D1).docx	Speed Display Trailer (D1)	E 4/01/15; R 4/1/21
TRF\	701.16T-SMART TRAFFIC MONITORING SYSTEM.docx	Smart Traffic Monitoring System	E 09/01/21
TRF\	701.17T-RAISED REFLECTIVE PAVEMENT MARKER REFLECTOR REMOVAL.docx	Raised Reflective Pavement Marker, Reflector Removal	E 08/01/23
TRF\	701.18T-RAISED REFLECTIVE PAVEMENT MARKER REFLECTOR REPLACEMENT.docx	Raised Reflective Pavement Marker, Reflector Replacement	E 08/01/23
TRF\	720.01TS-MAST ARM SIGN PANELS.docx	Mast Arm Sign Panels	E 05/22/02 R 07/01/15
TRF\	720.02TS-SIGN SHOP DRAWING SUBMITTAL.docx	Sign Shop Drawing Submittal	E 01/22/13 R 07/01/15
TRF\	733.09T-OVERHEAD SIGN STRUCTURE BRIDGE MOUNTED.docx	Overhead Sign Structure - Bridge Mounted	E 07/01/15 R 3/1/2017
TRF\	780.01T-45 MIL HOT SPRAY THERMOPLASTIC PAVEMENT MARKING.docx	45 Mil Hot Spray Thermoplastic Pavement Marking	E 02/28/94 R 12/18/12
TRF\	800.01TS-TRAFFIC SIGNAL GENERAL REQUIREMENTS.docx	Traffic Signal General Requirements	E 05/22/02 R 03/01/24
TRF\	800.02TS-OPTIMIZE TRAFFIC SIGNAL SYSTEM.docx	Optimize Traffic Signal System	E 05/22/02 R 11/01/23
TRF\	800.03TS-RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM.docx	Re-Optimize Traffic Signal System	E 05/22/02 R 11/01/23
TRF\	805.01TS-SERVICE INSTALLATION (TRAFFIC SIGNALS).docx	Service Installation (Traffic Signals)	E 05/22/02 R 03/01/24
TRF\	805.02TS-ELECTRIC METER.docx	Electric Meter	E 11/01/23
TRF\	810.01TS-COILABLE NON-METALLIC CONDUIT.docx	Coilable Non-Metallic Conduit	E 05/22/02 R 07/01/15
TRF\	810.02TS-UNDERGROUND RACEWAYS.docx	Underground Raceways	E 05/22/02 R 03/01/24
TRF\	810.03TS-ROD AND CLEAN EXISTING CONDUIT.docx	Rod And Clean Existing Conduit	E 01/01/15 R 07/01/15
TRF\	814.01TS-HANDHOLES.docx	Handholes	E 01/01/02 R 11/01/23
TRF\	817.02TS-FIBER OPTIC TRACER CABLE.docx	Fiber Optic Tracer Cable	E 05/22/02 R 11/01/23
TRF\	851.01TS-TRAFFIC SIGNAL PAINTING.docx	Traffic Signal Painting	E 05/22/02 R 11/01/23
TRF\	857.01TS-FULL-ACTUATED CONTROLLER IN EXISTING CABINET.docx	Full-Actuated Controller in Existing Cabinet	E 09/26/95 R 11/01/23
TRF\	857.02TS-FULL-ACTUATED CONTROLLER AND CABINET.docx	Full-Actuated Controller And Cabinet	E 01/01/02 R 03/01/24
TRF\	857.03TS-RAILROAD, FULL-ACTUATED CONTROLLER AND CABINET.docx	Railroad, Full-Actuated Controller And Cabinet	E 01/01/02 R 03/01/24
TRF\	857.05TS-ADVANCED TRANSPORTATION CONTROLLER AND CABINET.docx	Advanced Transportation Controller and Cabinet	E 03/01/24
TRF\	857.04TS-UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL.docx	Upgrade Existing Controller to NTCIP Special	E 11/01/23
TRF\	860.01TS-MASTER CONTROLLER.docx	Master Controller	E 05/22/02 R 11/01/23
TRF\	862.01TS-UNINTERRUPTABLE POWER SUPPLY, SPECIAL.docx	Uninterruptable Power Supply, Special	E 01/01/13 R 03/01/24
TRF\	862.03TS-REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY.docx	Remove and Replace Batteries for Uninterruptable Power Supply	E 11/01/23

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TRF\	871.01TS-FIBER OPTIC CABLE.docx	Fiber Optic Cable	E 05/22/02 R 07/01/15
TRF\	871.02TS-SPLICE FIBER IN CABINET.docx	Splice Fiber in Cabinet	E 11/01/23
TRF\	871.03TS-TERMINATE FIBER IN CABINET.docx	Terminate Fiber in Cabinet	E 11/01/23
TRF\	871.04TS-FIBER OPTIC INTERCONNECT CENTER PORTS.docx	Fiber Optic Interconnect Center Ports	E 11/01/23
TRF\	873.01TS-ELECTRIC CABLE.docx	Electric Cable	E 05/22/02 R 07/01/15
TRF\	873.02TS-GROUNDING EXISTING HANDHOLE FRAME AND COVER.docx	Grounding Existing Handhole Frame And Cover	E 05/22/02 R 03/01/24
TRF\	873.03TS-EVP SYSTEM LINE SENSOR CABLE, NO. 20 3C.docx	Emergency Vehicle Priority System Line Sensor Cable, No. 20 3/C	E 01/01/13 R 07/01/15
TRF\	873.04TS-RAILROAD INTERCONNECT CABLE.docx	Railroad Interconnect Cable	E 05/22/02 R 07/01/15
TRF\	875.01TS-TRAFFIC SIGNAL POST.docx	Traffic Signal Post	E 05/22/02 R 07/14/21
TRF\	875.02TS-PEDESTRIAN SIGNAL POST.docx	Pedestrian Signal Post	E 01/01/20 R
TRF\	877.01TS-MAST ARM ASSEMBLY AND POLE.docx	Mast Arm Assembly And Pole	E 05/22/02 R 07/01/15
TRF\	877.02TS-CAMERA MOUNTING ASSEMBLY.docx	Camera Mounting Assembly	E 11/01/23
TRF\	878.01TS-CONCRETE FOUNDATIONS.docx	Concrete Foundations	E 05/22/02 R 03/01/24
TRF\	878.02TS-REMOVE AND REPLACE ANCHOR BOLTS.docx	Remove And Replace Anchor Bolts	E 01/01/14 R 07/01/15
TRF\	880.01TS-LED SIGNAL HEAD AND OPTICALLY PROGRAMMED LED SIGNAL HEAD.docx	Light Emitting Diode (Led) Signal Head And Optically Programmed Led Signal Head	E 05/22/02 R 03/01/24
TRF\	880.02TS-FLASHING BEACON INSTALLATION, RELOCATION AND REMOVAL.docx	Flashing Beacon Installation, Relocation And Removal	E 01/01/07 R 03/01/24
TRF\	880.03TS-LED SIGNAL FACE, LENS COVER.docx	LED Signal Face, Lens Cover	E 07/01/21 R 04/01/24
TRF\	880.04TS-LED SIGNAL FACE, VISOR HEATER.docx	LED Signal Face, Visor Heater	E 07/01/21 R 04/01/24
TRF\	880.05TS-LED MODULE REPLACEMENT.docx	LED Signal Module Replacement	E 08/01/23
TRF\	881.01TS-LED PEDESTRIAN SIGNAL HEAD.docx	Light Emitting Diode (LED) Pedestrian Signal Head	E 05/22/02 R 03/01/24
TRF\	882.01TS-TRAFFIC SIGNAL BACKPLATE.docx	Traffic Signal Backplate	E 05/22/02 R 03/01/24
TRF\	886.01TS-DETECTOR LOOP.docx	Detector Loop	E 05/22/02 R 03/01/24
TRF\	886.02TS-DETECTOR LOOP REPLACEMENT AND OR INSTALLATION.docx	Detector Loop Replacement And/Or Installation (Roadway Grinding, Resurfacing, & Patching Operations)	E 01/01/85 R 03/01/24
TRF\	886.03TS-RADAR VEHICLE DETECTION SYSTEM.docx	Radar Vehicle Detection System	E 07/01/15 R 03/01/24
TRF\	886.04TS-VIDEO VEHICLE DETECTION SYSTEM.docx	Video Vehicle Detection System	E 01/01/20 R 03/01/24
TRF\	887.01TS-EMERGENCY VEHICLE PRIORITY SYSTEM.docx	Emergency Vehicle Priority System	E 05/22/02 R 07/01/15
TRF\	887.02TS-RELOCATE EXISTING EVP SYSTEM, DETECTOR UNIT.docx	Relocate Existing Emergency Vehicle Priority System, Detector Unit	E 01/01/02 R 07/01/15
TRF\	887.03TS-RELOCATE EXISTING EVP SYSTEM, PHASING UNIT.docx	Relocate Existing Emergency Vehicle Priority System, Phasing Unit	E 01/01/02 R 07/01/15

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TRF\	887.04TS-OUTDOOR RATED NETWORK CABLE.docx	Outdoor Rated Network Cable	E 11/01/23
TRF\	888.01TS-PEDESTRIAN PUSH-BUTTON.docx	Pedestrian Push-Button	E 05/22/02 R 03/01/24
TRF\	888.02TS-ACCESSIBLE PEDESTRIAN SIGNALS.docx	Accessible Pedestrian Signals	E 04/01/03 R 11/01/23
TRF\	890.01TS-TEMPORARY TRAFFIC SIGNAL INSTALLATION.docx	Temporary Traffic Signal Installation	E 05/22/02 R 03/01/24
TRF\	890.02TS-TEMPORARY TRAFFIC SIGNAL TIMING.docx	Temporary Traffic Signal Timing	E 05/22/02 R 03/01/24
TRF\	891.01TS-ILLUMINATED SIGN, LED.docx	Illuminated Sign, Led	E 05/22/02 R 07/01/15
TRF\	891.02TS-LED INTERNALLY ILLUMINATED STREET NAME SIGN.docx	Led Internally Illuminated Street Name Sign	E 05/22/02 R 07/01/21
TRF\	892.01TS-CELLULAR MODEM.docx	Cellular Modem	E 11/01/23
TRF\	892.02TS-TERMINAL SERVER.docx	Terminal Server	E 11/01/23
TRF\	892.03TS-POE EXTENDER.docx	POE Extender	E 11/01/23
TRF\	892.04TS-LAYER II DATALINK SWITCH.docx	Layer II Datalink Switch	E 11/01/23
TRF\	892.05TS-LAYER III NETWORK SWITCH.docx	Layer III Network Switch	E 11/01/23
TRF\	892.06TS-CENTRACS LICENSE EXPANSION.docx	Centracs License Expansion	E 11/01/23
TRF\	892.07TS-TACTICS LICENSE EXPANSION.docx	Tactics License Expansion	E 11/01/23
TRF\	892.08TS-REMOTE CONTROLLED VIDEO SYSTEM.docx	Remote Controlled Video System	E 11/01/23
TRF\	895.01TS-MODIFY EXISTING CONTROLLER CABINET.docx	Modify Existing Controller Cabinet	E 05/22/02 R 07/01/15
TRF\	895.02TS-REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.docx	Remove Existing Traffic Signal Equipment	E 05/22/02 R 03/01/24
TRF\	895.03TS-MODIFY EXISTING TYPE D FOUNDATION.docx	Modify Existing Type "D" Foundation	E 01/01/02 R 03/01/24
TRF\	895.04TS-REBUILD EXISTING HANDHOLE.docx	Rebuild Existing Handhole	E 01/01/02 R 11/01/23
TRF\	895.05TS-REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE.docx	Rebuild Existing Handhole To Heavy-Duty Handhole	E 01/01/02 R 07/01/15
TRF\	895.06TS-RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON.docx	Relocate Existing Pedestrian Push-Button	E 08/04/17

FOLLOWING ARE THE CURRENT BDE SPECIAL PROVISIONS ISSUED BY THE CENTRAL BUREAU OF DESIGN AND ENVIRONMENT. PRELIMINARY AND FINAL SPECIAL PROVISIONS THAT ARE DISTRIBUTED FOR DISTRICT OR OUTSIDE AGENCY REVIEW SHOULD INCLUDE A COPY OF EACH APPLICABLE BDE SPECIAL PROVISION. FINAL SUBMITTAL TO THE CENTRAL OFFICE SHOULD ONLY INCLUDE THE BDE SPECIAL PROVISION CHECK SHEET WITH THE APPLICABLE SPECIAL PROVISIONS CHECKED

ZD&E\	20338.docx	TRAINING SPECIAL PROVISIONS	E 10/15/75 R 09/02/21
ZD&E\	34261.docx	RAILROAD PROTECTIVE LIABILITY INSURANCE	E 12/01/86 R 01/01/22
ZD&E\	50261.docx	BUILDING REMOVAL WITH ASBESTOS ABATEMENT	E 09/01/90 R 08/01/22
ZD&E\	50531.docx	BUILDING REMOVAL	E 09/01/90 R 08/01/22
ZD&E\	80029.docx	DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION	E 09/01/00 R 03/2/19
ZD&E\	80045.docx	MATERIAL TRANSFER DEVICE	E 06/15/99 R 01/01/22
ZD&E\	80071.doc	WORKING DAYS	E 01/01/02

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ZD&E\	80099.docx	ACCESSIBLE PEDESTRIAN SIGNALS (APS)	E 04/01/03 R 01/01/21
ZD&E\	80127.docx	STEEL COST ADJUSTMENT	E 04/02/04 R 01/01/22
ZD&E\	80173.doc	BITUMINOUS MATERIALS COST ADJUSTMENTS	E 11/2/06 R 08/01/17
ZD&E\	80192.docx	AUTOMATED FLAGGER ASSISTANCE DEVICES	E 01/01/08 R 04/01/23
ZD&E\	80198.doc	COMPLETION DATE (VIA CALENDAR DAYS)	E 04/01/08
ZD&E\	80199.doc	COMPLETION DATE (VIA CALENDAR DAYS) PLUS WORKING DAYS	E 04/01/08
ZD&E\	80229.doc	FUEL COST ADJUSTMENT	E 04/01/09 R 08/01/17
ZD&E\	80241.doc	BRIDGE DEMOLITION DEBRIS	E 07/01/09
ZD&E\	80261.doc	CONSTRUCTION AIR QUALITY-DIESEL RETROFIT	E 06/01/10 R 11/01/14
ZD&E\	80274.docx	AGGREGATE SUBGRADE IMPROVEMENT	E 04/01/12 R 04/01/22
ZD&E\	80302.docx	WEEKLY DBE TRUCKING REPORTS	E 06/02/12 R 11/01/21
ZD&E\	80340.docx	SPEED DISPLAY TRAILER	E 04/02/14 R 01/01/22
ZD&E\	80384.docx	COMPENSABLE DELAY COSTS	E 06/02/17 R 04/01/19
ZD&E\	80391.docx	SUBCONTRACTOR MOBILIZATION PAYMENTS	E 11/02/17 R 04/01/19
ZD&E\	80397.docx	SUBCONTRACTOR AND DBE PAYMENT REPORTING	E 04/02/18
ZD&E\	80410.docx	TRAFFIC SPOTTERS	E 01/01/19
ZD&E\	80426.docx	BITUMINOUS SURFACE TREATMENT WITH FOG SEAL	E 01/01/20 R 01/01/22
ZD&E\	80427.docx	WORK ZONE TRAFFIC CONTROL DEVICES	E 03/02/20
ZD&E\	80429.docx	ULTRA-THIN BONDED WEARING COURSE	E 04/01/19 R 01/01/22
ZD&E\	80433.docx	GREEN PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	E 01/01/21 R 01/01/22
ZD&E\	80434.docx	CORRUGATED PLASTIC PIPE (CULVERT AND STORM SEWER)	E 01/01/21
ZD&E\	80435.docx	SURFACE TESTING OF PAVEMENTS – IRI	E 01/01/21 R 01/01/23
ZD&E\	80437.docx	SUBMISSION OF PAYROLL RECORDS	E 04/01/21 R 11/02/23
ZD&E\	80438.docx	ILLINOIS WORKS APPRENTICESHIP INITIATIVE – STATE FUNDED CONTRACTS	E 06/02/21 R 04/02/24
ZD&E\	80439.docx	VEHICLE AND EQUIPMENT WARNING LIGHTS	E 11/01/21 R 11/01/22
ZD&E\	80441.docx	PERFORMANCE GRADED ASPHALT BINDER	E 01/01/23
ZD&E\	80443.docx	HIGH TENSION CABLE MEDIAN BARRIER REMOVAL	E 04/01/22
ZD&E\	80445.docx	SEEDING	E 11/01/22
ZD&E\	80446.docx	HOT-MIX ASPHALT - LONGITUDINAL JOINT SEALANT	E 11/01/22 R 08/01/23
ZD&E\	80447.docx	GRADING AND SHAPING DITCHES	E 01/01/23
ZD&E\	80448.docx	SOURCE OF SUPPLY AND QUALITY REQUIREMENTS	E 01/02/23
ZD&E\	80449.docx	CEMENT, TYPE IL	E 08/01/23
ZD&E\	80450.docx	MECHANICALLY STABILIZED EARTH RETAINING WALLS	E 08/01/23

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	ZD&E\	80451.docx	PORTLAND CEMENT CONCRETE	E 08/01/23
	ZD&E\	80452.docx	FULL LANE SEALANT WATERPROOFING SYSTEM	E 11/01/23
	ZD&E\	80453.docx	CONCRETE SEALER	E 11/01/23
	ZD&E\	80454.docx	WOOD SIGN SUPPORT	E 11/01/23
	ZD&E\	80455.docx	REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES	E 01/01/24 R 04/01/24
	ZD&E\	80456.docx	HOT-MIX ASPHALT	E 01/01/24
	ZD&E\	80457.docx	SHORT TERM AND TEMPORARY PAVEMENT MARKINGS	E 04/01/24 R 04/02/24
	ZD&E\	80458.docx	WATERPROOFING MEMBRANE SYSTEM	E 08/01/24
	ZD&E\	80459.docx	PREFORMED PLASTIC PAVEMENT MARKING	E 06/02/24

MAINTENANCE OF ROADWAYS (D1)

Effective: September 30, 1985

Revised: November 1, 1996

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

PUBLIC CONVENIENCE AND SAFETY (D1)

Effective: May 1, 2012

Revised: July 15, 2012

Add the following to the end of the fourth paragraph of Article 107.09:

“If the holiday is on a Saturday or Sunday, and is legally observed on a Friday or Monday, the length of Holiday Period for Monday or Friday shall apply.”

Add the following sentence after the Holiday Period table in the fourth paragraph of Article 107.09:

“The Length of Holiday Period for Thanksgiving shall be from 5:00 AM the Wednesday prior to 11:59 PM the Sunday After”

Delete the fifth paragraph of Article 107.09 of the Standard Specifications:

“On weekends, excluding holidays, roadways with Average Daily Traffic of 25,000 or greater, all lanes shall be open to traffic from 3:00 P.M. Friday to midnight Sunday except where structure construction or major rehabilitation makes it impractical.”

HOT-MIX ASPHALT BINDER AND SURFACE COURSE (D1)

Effective: November 1, 2019

Revised: December 1, 2021

Revise Article 1004.03(c) to read:

“(c) Gradation. The coarse aggregate gradations shall be as listed in the following table.

Use	Size/Application	Gradation No.
Class A-1, A-2, & A-3	3/8 in. (10 mm) Seal	CA 16 or CA 20
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & A-3	Cover Coat	CA 14
HMA High ESAL	IL-19.0; Stabilized Subbase IL-19.0	CA 11 ^{1/}
	SMA 12.5 ^{2/}	CA 13 ^{4/} , CA 14, or CA 16
	SMA 9.5 ^{2/}	CA 13 ^{3/4/} or CA 16 ^{3/}
	IL-9.5	CA 16, CM 13 ^{4/}
	IL-9.5FG	CA 16
HMA Low ESAL	IL-19.0L	CA 11 ^{1/}
	IL-9.5L	CA 16

1/ CA 16 or CA 13 may be blended with the CA 11.

2/ The coarse aggregates used shall be capable of being combined with the fine aggregates and mineral filler to meet the approved mix design and the mix requirements noted herein.

3/ The specified coarse aggregate gradations may be blended.

4/ CA 13 shall be 100 percent passing the 1/2 in. (12.5mm) sieve.”

Revise Article 1004.03(e) of the Supplemental Specifications to read:

“(e) Absorption. For SMA the coarse aggregate shall also have water absorption
≤ 2.0 percent.”

Revise the “High ESAL” portion of the table in Article 1030.01 to read:

“High ESAL	Binder Courses	IL-19.0, IL-9.5, IL-9.5FG, IL-4.75, SMA 12.5, Stabilized Subbase IL-19.0
	Surface Courses	IL-9.5, IL-9.5FG, SMA 12.5, SMA 9.5”

Revise Note 2. and add Note 6 to Article 1030.02 of the Standard Specifications to read:

“Item	Article/Section
(g)Performance Graded Asphalt Binder (Note 6)	1032
(h)Fibers (Note 2)	

Note 2. A stabilizing additive such as cellulose or mineral fiber shall be added to the SMA mixture according to Illinois Modified AASHTO M 325. The stabilizing additive shall meet the Fiber Quality Requirements listed in Illinois Modified AASHTO M 325. Prior to approval and use of fibers, the Contractor shall submit a notarized certification by the producer of these materials stating they meet these requirements. Reclaimed Asphalt Shingles (RAS) may be used in Stone Matrix Asphalt (SMA) mixtures designed with an SBA polymer modifier as a fiber additive if the mix design with RAS included meets AASHTO T305 requirements. The RAS shall be from a certified source that produces either Type I or Type 2. Material shall meet requirements noted herein and the actual dosage rate will be determined by the Engineer.

Note 6. The asphalt binder shall be an SBS PG 76-28 when the SMA is used on a full-depth asphalt pavement and SBS PG 76-22 when used as an overlay, except where modified herein. The asphalt binder shall be a SBS PG 76-22 for IL-4.75, except where modified herein..”

Revise table in Article 1030.05(a) of the Standard Specifications to read:

"MIXTURE COMPOSITION (% PASSING)" ^{1/}												
Sieve Size	IL-19.0 mm		SMA 12.5		SMA 9.5		IL-9.5mm		IL-9.5FG		IL-4.75 mm	
	min	max	min	max	min	max	min	max	min	max	min	max
1 1/2 in. (37.5 mm)												
1 in. (25 mm)		100										
3/4 in. (19 mm)	90	100		100								
1/2 in. (12.5 mm)	75	89	80	100		100		100		100		100
3/8 in. (9.5 mm)				65	90	100	90	100	90	100		100
#4 (4.75 mm)	40	60	20	30	36	50	34	69	60	75 ^{6/}	90	100
#8 (2.36 mm)	20	42	16	24 ^{4/}	16	32 ^{4/}	34 ^{5/}	52 ^{2/}	45	60 ^{6/}	70	90
#16 (1.18 mm)	15	30					10	32	25	40	50	65
#30 (600 µm)			12	16	12	18			15	30		
#50 (300 µm)	6	15					4	15	8	15	15	30
#100 (150 µm)	4	9					3	10	6	10	10	18
#200 (75 µm)	3.0	6.0	7.0	9.0 ^{3/}	7.5	9.5 ^{3/}	4.0	6.0	4.0	6.5	7.0	9.0 ^{3/}
#635 (20 µm)			≤ 3.0		≤ 3.0							
Ratio Dust/Asphalt Binder		1.0		1.5		1.5		1.0		1.0		1.0

1/ Based on percent of total aggregate weight.

2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign = 90.

3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.

4/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.

- 5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.
- 6/ When the mixture is used as a binder, the maximum shall be increased by 0.5 percent passing.”

Revise Article 1030.05(b) of the Standard Specifications to read:

- (b) Volumetric Requirements. The target value for the air voids of the HMA shall be 4.0 percent, for IL-4.75 and SMA mixtures it shall be 3.5 percent and for Stabilized Subbase it shall be 3.0 percent at the design number of gyrations. The voids in the mineral aggregate (VMA) and voids filled with asphalt binder (VFA) of the HMA design shall be based on the nominal maximum size of the aggregate in the mix and shall conform to the following requirements.

Mix Design	Voids in the Mineral Aggregate (VMA), % Minimum for Ndesign				
	30	50	70	80	90
IL-19.0		13.5	13.5		13.5
IL-9.5		15.0	15.0		
IL-9.5FG		15.0	15.0		
IL-4.75 ^{1/}		18.5			
SMA-12.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
SMA-9.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
IL-19.0L	13.5				
IL-9.5L	15.0				

- 1/ Maximum draindown shall be 0.3 percent according to Illinois Modified AASHTO T 305.
- 2/ The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30°F.
- 3/ Applies when specific gravity of coarse aggregate is ≥ 2.760 .
- 4/ Applies when specific gravity of coarse aggregate is < 2.760 .
- 5/ For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone”

Revise the last paragraph of Article 1102.01 (a) (5) of the Standard Specifications to read:

“IL-4.75 and Stone Matrix Asphalt (SMA) mixtures which contain aggregate having absorptions greater than or equal to 2.0 percent, or which contain steel slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours.”

Add after third sentence of Article 1030.09(b) to read:

“If the Contractor and Engineer agree the nuclear density test method is not appropriate for the mixture, cores shall be taken at random locations determined according to the QC/QA document "Determination of Random Density Test Site Locations". Core densities shall be determined using the Illinois Modified AASHTO T 166 or T 275 procedure.”

Revise Table 1 and Note 4/ of Table 1 in Article 406.07(a) of the Standard Specifications to read:

	Breakdown/Intermediate Roller (one of the following)	Final Roller (one or more of the following)	Density Requirement
IL-9.5, IL-9.5FG, IL-19.0 ^{1/}	V _D , P, T _B , 3W, O _T , O _B	V _S , T _B , T _F , O _T	As specified in Section 1030
IL-4.75 and SMA ^{3/ 4/}	T _B , 3W, O _T	T _F , 3W	As specified in Section 1030
Mixtures on Bridge Decks ^{2/}	T _B	T _F	As specified in Articles 582.05 and 582.06.

“4/ The Contractor shall provide a minimum of two steel-wheeled tandem rollers (T_B), and/or three-wheel (3W) rollers for breakdown, except one of the (T_B) or (3W) rollers shall be 84 inches (2.14 m) wide and a weight of 315 pound per linear inch (PLI) (5.63 kg/mm) and one of the (T_B) or (3W) rollers can be substituted for an oscillatory roller (O_T). T_F rollers shall be a minimum of 280 lb/in. (50 N/mm). The 3W and T_B rollers shall be operated at a uniform speed not to exceed 3 mph (5 km/h), with the drive roll for T_B rollers nearest the paver and maintain an effective rolling distance of not more than 150 ft (45 m) behind the paver.”

Add the following after the fourth paragraph of Article 406.13 (b):

“The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design’s G_{mb}.”

Revise first paragraph of Article 1030.10 of the Standard Specifications to read:

“A test strip of 300 ton (275 metric tons), except for SMA mixtures it will be 400 ton (363 metric ton), will be required for each mixture on each contract at the beginning of HMA production for each construction year according to the Manual of Test Procedures for Materials “Hot Mix Asphalt Test Strip Procedures”. At the request of the Producer, the Engineer may waive the test strip if previous construction during the current construction year has demonstrated the constructability of the mix using Department test results.”

Revise third paragraph of Article 1030.10 of the Standard Specifications to read:

“When a test strip is constructed, the Contractor shall collect and split the mixture according to the document “Hot-Mix Asphalt Test Strip Procedures”. The Engineer, or a representative, shall deliver split sample to the District Laboratory for verification testing. The Contractor shall complete mixture tests stated in Article 1030.09(a). Mixture sampled shall include enough material for the Department to conduct mixture tests detailed in Article 1030.09(a) and in the document “Hot-Mix Asphalt Mixture Design Verification Procedure” Section 3.3. The mixture test results shall meet the requirements of Articles 1030.05(b) and 1030.05(d), except Hamburg wheel tests will only be conducted on High ESAL mixtures during production.”

ADJUSTMENTS AND RECONSTRUCTIONS (D1)

Effective: March 15, 2011

Revised: October 1, 2021

Revise the first paragraph of Article 602.04 to read:

“602.04 Concrete. Cast-in-place concrete for structures shall be constructed of Class SI concrete according to the applicable portions of Section 503. Cast-in-place concrete for pavement patching around adjustments and reconstructions shall be constructed of Class PP-2 concrete, unless otherwise noted in the plans, according to the applicable portions of Section 1020.”

Revise the third, fourth and fifth sentences of the second paragraph of Article 602.11(c) to read:

“Castings shall be set to the finished pavement elevation so that no subsequent adjustment will be necessary, and the space around the casting shall be filled with Class PP-2 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.05 to read:

“603.05 Replacement of Existing Flexible Pavement. After the castings have been adjusted, the surrounding space shall be filled with Class PP-2 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.06 to read:

“603.06 Replacement of Existing Rigid Pavement. After the castings have been adjusted, the pavement and HMA that was removed, shall be replaced with Class PP-2 concrete, unless otherwise noted in the plans, not less than 9 in. (225 mm) thick. The pavement may be opened to traffic according to Article 701.17(e)(3)b.

The surface of the Class PP concrete shall be constructed flush with the adjacent surface.”

Revise the first sentence of Article 603.07 to read:

“603.07 Protection Under Traffic. After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.”

DRAINAGE AND INLET PROTECTION UNDER TRAFFIC (D1)

Effective: April 1, 2011

Revised: April 2, 2011

Add the following to Article 603.02 of the Standard Specifications:

- “(i) Temporary Hot-Mix Asphalt (HMA) Ramp (Note 1) 1030
- “(j) Temporary Rubber Ramps (Note 2)

Note 1. The HMA shall have maximum aggregate size of 3/8 in. (95 mm).

Note 2. The rubber material shall be according to the following.

Property	Test Method	Requirement
Durometer Hardness, Shore A	ASTM D 2240	75 ±15
Tensile Strength, psi (kPa)	ASTM D 412	300 (2000) min
Elongation, percent	ASTM D 412	90 min
Specific Gravity	ASTM D 792	1.0 - 1.3
Brittleness, °F (°C)	ASTM D 746	-40 (-40)°

Revise Article 603.07 of the Standard Specifications to read:

“603.07 Protection Under Traffic. After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.

When castings are under traffic before the final surfacing operation has been started, properly sized temporary ramps shall be placed around the drainage and/or utility castings according to the following methods.

- (a) Temporary Asphalt Ramps. Temporary hot-mix asphalt ramps shall be placed around the casting, flush with its surface and decreasing to a featheredge in a distance of 2 ft (600 mm) around the entire surface of the casting.
- (b) Temporary Rubber Ramps. Temporary rubber ramps shall only be used on roadways with permanent posted speeds of 40 mph or less and when the height of the casting to be protected meets the proper sizing requirements for the rubber ramps as shown below.

Dimension	Requirement
Inside Opening	Outside dimensions of casting + 1 in. (25 mm)
Thickness at inside edge	Height of casting $\pm$ 1/4 in. (6 mm)
Thickness at outside edge	1/4 in. (6 mm) max.
Width, measured from inside opening to outside edge	8 1/2 in. (215 mm) min

Placement shall be according to the manufacturer's specifications.

Temporary ramps for castings shall remain in place until surfacing operations are undertaken within the immediate area of the structure. Prior to placing the surface course, the temporary ramp shall be removed. Excess material shall be disposed of according to Article 202.03."

FRICITION AGGREGATE (D1)

Effective: January 1, 2011

Revised: December 1, 2021

Revise Article 1004.03(a) of the Standard Specifications to read:

“1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA). The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete
HMA Low ESAL	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{1/} Crushed Concrete
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L SMA Binder	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete ^{3/}

Use	Mixture	Aggregates Allowed	
HMA High ESAL Low ESAL	C Surface and Binder IL-9.5 IL-9.5FG or IL-9.5L	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/} Crushed Concrete ^{3/}	
HMA High ESAL	D Surface and Binder IL-9.5 or IL-9.5FG	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone (other than Limestone) ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/}	
		<u>Other Combinations Allowed:</u>	
		<i>Up to...</i>	<i>With...</i>
		25% Limestone	Dolomite
		50% Limestone	Any Mixture D aggregate other than Dolomite
		75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone
HMA High ESAL	E Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		<u>Other Combinations Allowed:</u>	
		<i>Up to...</i>	<i>With...</i>

Use	Mixture	Aggregates Allowed	
		50% Dolomite ^{2/}	Any Mixture E aggregate
		75% Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone
		75% Crushed Gravel ^{2/}	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag
HMA High ESAL	F Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> ^{5/ 6/} :	
		Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		<u>Other Combinations Allowed:</u>	
		<i>Up to...</i>	<i>With...</i>
		50% Crushed Gravel ^{2/} or Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone

- 1/ Crushed steel slag allowed in shoulder surface only.
- 2/ Carbonate crushed stone (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80.
- 3/ Crushed concrete will not be permitted in SMA mixes.
- 4/ Crushed steel slag shall not be used as binder.
- 5/ When combinations of aggregates are used, the blend percent measurements shall be by volume."
- 6/ Combining different types of aggregate will not be permitted in SMA Ndesign 80."

DRILL AND GROUT DOWEL BARS AND TIE BARS

Description. Work under this item shall be performed in accordance with sections 442, 420, and 1000 of the Standard Specifications, except as herein modified.

This work shall consist of furnishing and installing 18" long, 1-1/2" diameter epoxy coated dowel bars, No. 4 epoxy coated dowel bars, and 24" and 30" long, No. 6 epoxy coated tie bars in existing Portland Cement Concrete (PCC) curb and gutter, new PCC Curbs and Gutters adjacent to PCC pavement, proposed PCC patches, medians, and pavement, and at locations shown on the Plans or as designated by the Engineer.

Materials shall meet the requirements of Article 1006.06 of the Standard Specifications for Dowel Rods and Article 1024.01 of the Standard Specifications for Nonshrink Grout or one of the approved chemical adhesives as listed by the Bureau of Materials and Physical Research. Epoxy adhesives shall not be allowed.

Bars shall be located on 24" centers or as indicated on the plans. Individual bar locations shall be shifted at least 5-inches away from existing cracks, joints and unsound concrete. Holes for dowel bars shall be drilled with suitable equipment for this purpose to the depth shown and to a diameter large enough to allow grouting around the dowel bar or tie bar. The dowel bars or tie bar shall be secured in the drilled holes with nonshrink grout. The grout shall be allowed to cure before the concrete for new curb and gutters and bases are poured.

Basis of Payment. This work will be not be paid for separately but instead shall be considered as incidental to cost of COMBINATION CONCRETE CURB AND GUTTER, CONCRETE MEDIAN, PORTLAND CEMENT CONCRETE PAVEMENT, or CLASS B PATCHES of the type indicated on the plans.

PROTECTION OF UTILITIES

When excavating or removing curb and gutter, pavement or any other structure, the Contractor shall take precautions necessary to avoid damage to underground public or private utilities including, but not limited to, lawn sprinkler systems and components, and electrical conduits. It is the Contractor's responsibility to contact public and private owners to coordinate utility work. Any damage shall be repaired and/or replaced within 7 calendar days. The repair and/or replacement is considered included in the cost of the applicable excavation or removal pay item. Under no circumstances will the use of a frost ball concrete breaker be allowed.

**SPECIAL PROVISION
FOR
SAW CUTTING**

Description. This work shall consist of the cutting of hot-mix asphalt and concrete pavements, curb and gutter, medians, sidewalks, and bike paths including the cutting required for pavement patches, wherever indicated on the plans, highway standards, or details for the full depth of the pavement and as required by the Engineer in accordance with Section 442 of the Standard Specifications.

The pavement shall be cut to a straight line and a vertical plane by a method approved by the Engineer.

It shall be the responsibility of the Contractor to determine the thickness of the existing pavement as may be impacted by the required cutting. No additional compensation will be allowed because of variations from the assumed thicknesses or from the thicknesses shown on the plans.

Sawcutting for patching shall be measured for payment regardless of patch type.

Should the Contractor deface any edge, a new sawed joint shall be provided and any additional work, including removal and replacement, shall be done at the Contractor's expense.

Basis of Payment. This work shall be paid for per FOOT for SAW CUTS.

**SPECIAL PROVISION
FOR
STORM SEWERS AND DRAINAGE STRUCTURES**

When existing drainage facilities are disturbed, the Contractor shall provide and maintain temporary outlets and connections for all private or public drains, sewers or catch basins. The Contractor shall provide facilities to take in all storm water which will be received by these drains and sewers and discharge the same. The Contractor shall provide and maintain an efficient pumping plant, if necessary, and a temporary outlet and be prepared at all times to dispose of the water received from temporary connections until such time as the permanent connections with sewers are built and in service. Unless otherwise noted on the plans, the existing drainage facilities shall remain in use during the period of construction. During construction operations the Contractor shall ensure positive site drainage at the conclusion of each day. Site drainage may be achieved by ditching, pumping or any other method acceptable to the Engineer. Temporary connections between proposed and existing storm sewer mainlines shall be made in a manner meeting the approval of the Engineer. This work will not be paid for separately, but shall be included in the cost of the storm sewers and drainage structures installed as part of this project.

Storm sewer connections to manholes, catch basins, inlets, and existing storm sewers 24" in diameter or greater shall be installed with coring and placement of rubber boots per CCDOTH Standard D-60 for Core and Boot Connections unless otherwise noted on the plans. This work will not be paid for separately, but shall be included in the cost of the storm sewers and drainage structures installed as part of this project.

Rubber gaskets conforming to the requirements of Article 1056.01 of the Standard Specifications shall be used on all storm sewers and culverts. This work will not be paid for separately, but shall be included in the cost of the storm sewers installed as part of this project.

The cost of connecting existing storm sewers to the proposed drainage system shall be included in the cost of the proposed drainage structure. The cost of connecting proposed storm sewer to existing structures shall be included in the cost of the proposed storm sewer. Additional pipe required to complete the connections shall be paid for at the contract unit price for STORM SEWER of the type, size and class required.

The cost of coring existing and proposed drainage structures to connect proposed pipe underdrains shall be included in the cost of the pipe underdrain being installed.

Top of frame ("rim") elevations given on the plans are only to assist the Contractor in determining the approximate overall height of each structure. Interim rim elevations may be required to meet existing conditions. Frames on all new structures shall be adjusted to the final elevations of the areas in which they are located as part of the structure cost. Any plating of the structure required for staged construction shall be included in the cost of the structure.

At locations where the proposed storm sewer crosses over utilities, a 4" styrofoam cushion shall be placed under the storm sewer when directed to do so by the Engineer. This work shall be included in the cost of the proposed storm sewer.

Couplings used for connections of new pipe to existing pipe, and where dissimilar pipe and joint materials are encountered, shall be approved by the Engineer prior to installation. This work shall be included in the cost of the storm sewer being installed.

All abandoned pipe and structure inverts shall be plugged with concrete bricks and non-shrink mortar for a length of 2' measured from the end of the pipe. This work shall be included in the cost of the storm sewer items being removed.

Removal of existing pipe underdrains shall be included in the cost of EARTH EXCAVATION.

The Contractor shall be aware that at times the Engineer may require a change in storm sewer elevation due to a utility line or other obstruction. If such a change does not alter the pipe classification, the additional excavation or sheeting required shall be included in the cost of the storm sewer being installed. If the revised grade results in a change in the pipe type classification, payment will be made for the revised type of storm sewer.

Structures that are to be adjusted or reconstructed are to be cleaned per Article 602.15 of the Standard Specifications and special provision for STORM SEWERS TO BE CLEANED; DRAINAGE STRUCTURES TO BE CLEANED. This work shall be paid for as DRAINAGE STRUCTURES TO BE CLEANED.

All new drainage structure grates and/or open lids shall include etching with "Dump no waste" and "Drains to waterways" and trout logo.

STORM SEWERS TO BE CLEANED

DRAINAGE STRUCTURES TO BE CLEANED

Description. This work shall consist of cleaning drainage structures of all types and sizes and storm sewers in accordance with the Section 609 of Standard Specifications as designated on the plans or as directed by the Engineer.

Materials. Equipment for cleaning pipe lines includes hoses, rodding machines, balls, hydraulic cleaners, root cutters, small clam shell buckets, steel porcupines, pumps, or other suitable and approved means. Water used for cleaning and flushing pipes shall be fresh and free of oils, acid, salt, alkali, organic matter, or any other deleterious substances. The Contractor shall provide all water for the cleaning operation.

Methods. The Contractor shall be responsible for the proper operation of the drainage system during the cleaning operations. The safe control of flows shall be accomplished by the Contractor such as to preclude an injury to persons or property due to flooding. The Contractor shall clean and flush those drain lines designated on the plans or as designated by the Engineer by use of pressure hoses, suction pumps, and/or any other methods required to perform this work. A suitable weir or dam shall be constructed in the nearest downstream manhole or catch basin in such a manner that debris material will be trapped. Under no circumstances shall such material be passed on from one section to the next.

Each manhole or catch basin shall be cleaned independently of other portions of the drainage system, and shall be cleaned to the satisfaction of the Engineer.

The contractor shall maintain flows through sewer systems at all times. The existing structures shall be inspected before construction starts. As directed by the Engineer, any accumulation of material in the structure due to construction operations shall be removed by the contractor at his expense.

Any loose mortar shall be removed from the pipe inlet joints. New mortar shall be applied as required.

Method of Measurement. DRAINAGE STRUCTURES TO BE CLEANED will be measured per each for such drainages structures actually cleaned, regardless of type or size, in accordance with the plans and/or as directed by the Engineer. STORM SEWERS TO BE CLEANED will be measured in linear feet of pipe from center-to-center of drainage structures for all pipe lines actually cleaned, in accordance with the plans and/or as directed by the Engineer.

Basis of Payment. DRAINAGE STRUCTURES TO BE CLEANED will be paid for at the contract unit price per each for such drainages structures actually cleaned, regardless of type or size, in accordance with the plans and/or as directed by the Engineer. STORM SEWERS TO BE CLEANED will be paid for at the contract unit price per foot of pipe of the diameter specified for all pipe lines actually cleaned, in accordance with the plans and/or as directed by the Engineer.

**SPECIAL PROVISION
FOR
CONDUIT SPLICE**

Description. This work shall consist of splicing the conduit as shown in the plans or as directed by the Engineer. Work shall be according with applicable parts of Sections 801 and 810 of the Standard Specifications. All splices shall be threaded.

Basis of Payment. This work will be paid for at the contract unit price per EACH for CONDUIT SPLICE.

DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED

Description: This work shall consist of adjusting existing structures with new frames and grates or frame and lids at the direction of the Engineer.

General: This work shall be performed in accordance with the Section 602 of the “Standard Specifications”. In addition, all structures to be adjusted should have a chimney seal installed. All sanitary manholes shall have exterior chimney seals and have no more than three adjustment rings for a total of 12 inches.

New frames and grates will be installed on adjusted or reconstructed structures.

All existing frames, grates, and lids that are being removed shall remain the property of the Local Municipality. The Contractor shall deliver all removed frames, grates and lids to the public works facility, or as directed by the Engineer.

Adjusting rings shall not be backfilled with aggregate but with Portland cement concrete. The width of the excavation must be a minimum of 6 inches wider than adjusting rings.

All mortar on exposed surfaces shall have a brushed finish.

Method of Measurement: This work will be measured for payment as each structure to be adjusted.

Basis of Payment: This work will be paid for at the contract unit price each for DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED regardless of the structure type and diameter. The unit price shall include all labor, equipment and materials necessary to complete the work.

DRAINAGE AND UTILITY STRUCTURES TO BE RECONSTRUCTED

Description: This work shall consist of reconstructing existing structures with new frames and grates or frame and lids at the direction of the Engineer.

General: This work shall be performed in accordance with the Section 602 of the “Standard Specifications”. Where necessary and as directed by the Engineer, the cone or flat slab top shall be removed and barrel sections added or removed to adjust the overall height of the structure. The cone or flat slab top shall then be replaced on the structure and adjusting rings used to perform the final vertical adjustment of the casting. If the cone or slab top is damaged during this operation, the Contractor shall install a new cone or flat slab top at no additional cost to the contract. The Engineer shall be the sole judge as to whether a new cone or flat slab top is required. The cost of furnishing the casting required shall be included in the original structure cost. In addition, all structures to be reconstructed should have a chimney seal installed. All sanitary manholes shall have exterior chimney seals and have no more than three adjustment rings for a total of 12 inches.

New frames and grates will be installed on adjusted or reconstructed structures.

All existing frames, grates, and lids that are being removed shall remain the property of the Local Municipality. The Contractor shall deliver all removed frames, grates and lids to the public works facility, or as directed by the Engineer.

Adjusting rings shall not be backfilled with aggregate but with Portland cement concrete. The width of the excavation must be a minimum of 6 inches wider than adjusting rings.

All mortar on exposed surfaces shall have a brushed finish.

Method of Measurement: This work will be measured for payment as each structure to be reconstructed.

Basis of Payment: This work will be paid for at the contract unit price each for DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED regardless of the structure type and diameter. The unit price shall include all labor, equipment and materials necessary to complete the work.

**SPECIAL PROVISION
FOR
EXPLORATION TRENCH, SPECIAL**

Description. This item shall consist of excavating a trench at locations designated by the Engineer for the purpose of locating existing tile lines or other underground facilities within the limits of the proposed improvement. The trench shall be deep enough to expose the line but not more than one foot deeper than the line, and the width of the trench shall be sufficient to allow proper investigation to determine if the line needs to be relocated or replaced.

The exploration trench shall be backfilled with gradation CA 6 stone, the cost of which shall be included in the item of EXPLORATION TRENCH, SPECIAL.

Method of Measurement. This work will be measured for payment in feet, along the centerline of the trench, at the limits of the full-depth trench.

Basis of Payment. This work will be paid for at the contract unit price per foot for EXPLORATION TRENCH, SPECIAL, regardless of the depth required, and no extra compensation will be allowed for any delays, inconveniences or damages sustained by the Contractor in performing the work.

MODULAR CONCRETE PAVERS (SPECIAL)

Description. This work shall consist of furnishing and installing modular concrete pavers to provide emergency access at the location shown on the plans.

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Concrete grid units
- B. Bedding sand – 1” deep
- C. Topsoil and grass – 6” deep
- OR -
- C. Open-graded aggregate – 6” deep

1.02 RELATED SECTIONS

- A. Section: Curbs and drains
- B. Section: Dense-graded aggregate base
- C. Section: Open-graded aggregate base
- D. Section: Geotextiles/Soil separation fabrics

1.03 REFERENCES

- A. American Society of Testing Materials (ASTM)
 - 1. C 1319, Standard Specification for Concrete Grid Paving Units.
 - 2. C 140, Standard Test Methods of Sampling and Testing Concrete Masonry Units.
 - 3. C 136, Method for Sieve Analysis for Fine and Coarse Aggregate.
 - 4. C 33, Specification for Concrete Aggregates.
 - 5. D 2940, Standard Specification for Graded Aggregate Material for Bases or Subbases for Highways or Airports.
 - 6. D 5268, Specification for Topsoil Used for Landscaping Purposes.
- B. Canadian Standards Association (CSA)
 - 1. CSA A23.1-M94, Concrete Materials and Methods of Concrete Construction.

1.04 QUALITY ASSURANCE

- A. Engage an installer who has successfully completed installations similar in type and size to this project. Installer shall provide certification of experience.
- B. As applicable by state/provincial and local laws, contractor shall hold a current contractor's and business license in the state/ province and locality where work is performed.

1.05 SUBMITTALS

- A. Submit shop or product drawings and product data.
- B. Submit samples of concrete grid paving units to indicate shape selections.
- C. Submit sieve analysis for grading of bedding sand.
- D. Submit test results for compliance of paving units to ASTM C 1319.
- E. Verify source and content of topsoil.

- F. Verify grass seed mix and sources.
- G. Verify source and gradation of aggregate base.

1.06 MOCK UPS

- A. Install a 6 ft x 6 ft (2 m x 2 m) paver area as described in Article 3.02. This area will be used to determine surcharge of the sand layer, joint sizes, lines, laying pattern(s), and texture of the job. This area shall be the standard from which the work will be judged.

1.07 DELIVERY, STORAGE AND HANDLING

- A. Deliver concrete grid pavers to the site in steel banded, plastic banded, or plastic wrapped cubes capable of transfer by fork lift or clamp lift. Unload pavers at job site in such a manner that no damage occurs to the product.
- B. Cover sand and topsoil shall with waterproof covering to prevent exposure to rainfall or removal by wind. Secure the covering in place.

1.08 ENVIRONMENTAL CONDITIONS

- A. Do not install sand or pavers during heavy rain or snowfall.
- B. Do not install frozen sand or topsoil.

PART 2 PRODUCTS

2.01 CONCRETE GRID UNITS

- A. Modular Concrete Pavers: 16" x 24" x 3 1/2"
- B. Meet the requirements of ASTM C 1319 and test results certified by the manufacturer

2.02 BEDDING SAND

Note: The type of sand used for bedding is often called concrete sand. Sands vary regionally. Contact contractors local to the project and confirm sand(s) successfully used in previous similar applications. Bedding sand is not used in ditch liner applications, slope protection, riparian stabilization, or with boat ramps constructed with concrete grid pavers.

- A. Bedding sand shall be clean, non-plastic, free from deleterious or foreign matter. The bedding sand shall be natural or manufactured from crushed rock. Do not use limestone screenings or stone dust. Grading of samples shall be done according to ASTM C 136. The particles shall be conforming to the FA 1 or FA 2 gradation.

2.03 TOPSOIL [OPEN-GRADED AGGREGATE]

Note: Consult with local turfgrass specialists for recommendations on grass seed mixture or sod materials.

- A. Conform to ASTM D 5268, Specification for Topsoil Used for Landscaping Purposes.
- OR
- A. Open-graded aggregated used to fill the openings of the grids and/or for a bedding course shall be washed and conform to the CA 15 or CA 16 gradation. Do not use gravel.

Note: Local, state or provincial standards for aggregate base materials should be used for the gradation and quality of dense-graded aggregate base materials under concrete grid pavements. If no standards exist, follow ASTM D 2940, Standard Specification for Graded Aggregate Material for Bases or Subbases for Highways or Airports. The gradation for base material from this standard shall be CA 4 or CA 6. This material should be compacted to a minimum of 95% standard Proctor density.

Note: For open-graded bases, gradation conforming to ASTM No. 57 crushed stone aggregate is recommended. The material is typically placed in 4 to 6 in. (100 to 150 mm) thick lifts and compacted with at least four passes of a 10 T static roller. The base material should show no visible movement when compaction is complete. It should be kept free from sediment throughout the entire job. The gradation for No. 57 material shall be CA 7 or CA 8.

PART 3 EXECUTION

Note: The specifier should be aware that the top surface of the pavers after compaction may be 1/8 to 1/4 in. (3 to 7 mm) above the final elevations after compaction. This difference in initial and final elevations is to compensate for possible minor settling.

3.01 EXAMINATION

Note: For vehicular areas, specify compaction of the soil subgrade to a minimum of 95% standard Proctor density for dense-graded aggregate bases. Density should be monitored in the field with a nuclear density gauge. Compaction of open-graded bases should be with at least five passes of roller compactor without vibration. Stabilization of the soil and/or base material may be necessary with weak or saturated soils.

- A. Verify that base is dry, uniform, even, free of any sediment (if open-graded), and ready to support sand, pavers and imposed loads.
- B. Verify gradients and elevations of base are correct.
- C. Verify location, type, installation and elevations of edge restraints around the perimeter area to be paved.
- D. Beginning of installation means acceptance of base and edge restraints.

3.02 INSTALLATION

- A. Spread the sand evenly over the compacted, dense-graded base course and screed uniformly to 1 – 1 1/2 in. (25 - 40 mm) thickness. The screeded sand should not be disturbed. Place sufficient sand to stay ahead of the laid grid pavers.
- OR
- A. Spread the No. 8 material evenly over the compacted, open-graded base course and screed uniformly to 3-in. (75-mm) thickness. Compact with at least four passes of 10 T static roller until there is no visible movement. Place sufficient material to stay ahead of the laid grid pavers. Keep free from sediment during entire job.
- B. Ensure that grid pavers are free from foreign materials before installation.
- C. Lay the pavers in the pattern(s) as shown on the drawings. Maintain straight pattern lines.
- D. Joints between the pavers shall be between 1/16 in. and 1/8 in. (2 to 4 mm) wide.

- E. Fill gaps at the edges of the paved area with cut grid pavers or edge units.
- F. Cut grid pavers to be placed along the edge with a double-bladed splitter or masonry saw.
- G. Compact and seat the grids into the screeded aggregate using a low amplitude, 75-90 Hz plate compactor capable of at least 5,000 lbs. (22 kN) centrifugal compaction force.

Note: A rubber or neoprene pad between the compactor and grids may be necessary to prevent cracking or chipping.

- H. Vibrate and compact the pavers again, sweeping the small fraction of the No. 8 aggregate into the joints and openings until it is within ½ in. (13 mm) from the top surface. This will require at least two or three passes with the compactor. Do not compact within 3-ft (1 m) of the unrestrained edges of the paving units.
- I. Spread ASTM No. 8 aggregate and fill openings in the pavement.
- J. All work to within 3-ft (1 m) of the laying face must be left fully compacted at the completion of each day.
- K. Broadcast grass seed at the rate recommended by seed source.
- L. Remove excess aggregate on surface when the job is complete.

Note: Use L below for installation with grass and topsoil.

- L. Distribute straw covering to protect germinating grass seed. Do not traffic pavement for 30 days.
- M. The final surface elevations shall not deviate more than $\pm 3/8$ in. (± 10 mm) under a 10 ft (3 m) long straightedge.
- N. The surface elevation of pavers shall be 1/8 to 1/4 in. (3 to 7 mm) above adjacent drainage inlets, concrete collars or channels.

3.03 FIELD QUALITY CONTROL

- A. After removal of excess soil/aggregate, check final elevations for conformance to the drawings.

Basis of Payment. Modular Concrete Pavers will be paid for at the contract unit price per SQ FT for MODULAR CONCRETE PAVERS (SPECIAL), which price shall include all labor, materials, and equipment required to complete the work specified, including the bedding sand and topsoil or open-graded aggregate.

PRECONSTRUCTION VIDEO TAPING

Description. This work shall consist of videotaping the project site prior to commencing construction activities to determine whether visible damage occurred during construction.

General. The work shall include videotaping on all streets within the project limits. The videotaping shall encompass the entire area between the right-of-way lines. Prior to videotaping the Contractor shall coordinate with the Engineer to insure that any areas of special emphasis are noted and sufficiently covered during the videotaping process.

The videotaping shall consist of a minimum of two passes. The videotaping shall be performed at a traversing speed not to exceed 50 feet per minute.

The recording shall include an audio track. The accompanying narrative shall note the condition of existing facilities and project site objects. The narrative shall also include address information.

The Contractor shall provide one copy of the recording in DVD format to the Engineer. The recording shall be of suitable photographic clarity to serve as a basis for establishing whether visible damage occurred during construction. The Contractor may not begin construction activities until the Engineer has approved the recording.

Basis of Payment. This work will be paid for at the contract lump sum price for PRECONSTRUCTION VIDEO TAPING. The contract lump sum price shall be payment in full for all materials, labor and equipment required to perform the videotaping as described herein.

**SPECIAL PROVISION
FOR
RECTANGULAR RAPID FLASHING BEACON SYSTEM (COMPLETE)**

Description. This work shall consist of furnishing and installing a Rectangular Rapid Flashing Beacon (RRFB) System (Complete) with light emitting diode (LED) flashing beacons, power supply, controller and cabinet, wireless communication system, accessible pedestrian signal (APS) push-button, signs, galvanized steel traffic signal post and foundation. It shall also include painting the signal post as described herein. All equipment and hardware required to mount the RRFB and associated equipment to the assembly shall be included in the unit cost of this item.

General.

The RRFB unit shall be MUTCD and ITE compliant, and shall satisfy the FHWA Interim Approval of Rectangular Rapid Flashing Beacons (IA-21) dated April 30, 2018 and all subsequent FHWA Official Interpretation Letters, including the unit size, mounting location, flash rate, and operational parameters unless modified herein by this special provision. The RRFB assembly shall be programmable to allow the County to set the duration of the flashing beacon display based on the crossing time requirements established in the MUTCD. The RRFB shall be able to be seen at least 1,000 feet in advance of the crossing during the day. The RRFB shall have an operating temperature between -40° F to 165° F (-40° C to 74° C).

An RRFB shall only be used to supplement a W11-2 (Pedestrian), S1-1 (School) or W11-15 (Trail) crossing warning sign (36 inches x 36 inches) with a diagonal downward arrow (W16-7P) plaque (21 inches x 15 inches) located at or immediately adjacent to a marked crosswalk.

The manufacturer of all equipment shall have a representative and shop located in the six (6) county Chicago area. All equipment installed in the RECTANGULAR RAPID FLASHING BEACON SYSTEM (COMPLETE) shall be from a single supplier. The supplier shall be responsible for service and support of this equipment.

Each RRFB shall include a yellow LED verification indicator mounted 90 degrees from the faces of the crossing warning signs. This yellow LED shall be used to confirm actuation of the RRFB system from the opposite end of the crossing. RRFB system shall have two (2) verification indicators facing in opposite directions. All mounting hardware shall be stainless steel.

Installation.

The RRFB assembly shall be installed strictly according to the manufacturer's recommendations, the applicable portions of the "Standard Specifications" and the Cook County Department of Transportation and Highways Special Provisions as modified herein, as shown on the Plans, and/or as directed by the Engineer.

The final elevation and location of the beacons shall be approved by the Engineer prior to the Contractor beginning work.

Material.

Power Supply:

The installation may be either an external power supply or solar powered power supply.

1. External Power Supply

If used, the external power supply shall meet the following sections of the Standard Specifications and the Cook County Department of Transportation and Highways Special Provisions except as noted herein:

Section 805, Electrical Service Installation – Traffic Signals
 Section 806, Grounding
 Section 810, Underground Raceways
 Section 870, Multi-Conductor Power Cable
 Section 873, Electric Cable

2. Solar Power Supply

If used, the solar power supply shall be easy to install, fully self-contained weather, corrosion, and vandal-resistant, with a UV-resistant solar panel. The solar power supply shall be power autonomous without need of an external power supply. The batteries shall be sealed, maintenance free, and field-replaceable independently of other components. The battery pack shall have a minimum rated lifespan of three years. The power supply system shall have the capacity to operate the RRFB for 30 days at a normal use of 400 actuations of 30 seconds per day without solar charging. The RRFB shall have an automatic light control to provide useful light during extreme conditions that prevent charging over an extended period of time. The manufacturer shall provide documentation for each installation consisting of solar power calculations to verify load, duty cycle and battery capacity based on location.

The solar panel shall be installed at the highest point on the assembly structure, or as directed by the Engineer, and away from the travelled way. The solar panel shall be installed at an angle specified by the manufacturer facing the equator (due south) with a full unobstructed solar exposure for optimum performance of the system, or as recommended by the manufacturer and directed by the Engineer. If batteries are to be installed in a separate cabinet, the cabinet shall be a minimum of seven feet above the ground and located on the post as to be not over the sidewalk, bike path or trail.

Controller and Wireless Communication System:

The RRFB controller shall meet the requirements of Section 858 of the “Standard Specifications” and the Cook County Department of Transportation and Highways Special Provisions except where modified herein:

The RRFB controller shall have the ability to modify operation cycles and be programmed via Windows software.

1. Power Options: The controller unit shall be available in both solar-powered and AC powered options.
2. Controller to Controller Communication: At each location all installed RRFB assemblies shall communicate wirelessly using an unlicensed radio band so as to simultaneously commence operation of their alternating rapid flashing indications and cease operation simultaneously. The communication equipment shall comply with FCC requirements and the vendor representative shall field test the equipment prior to placing the units in operation to demonstrate the RRFBs ability to achieve proper operation under the requirements of FHWA Memorandum IA-21 and all subsequent interpretation letters. Up to 10 optional RF channels shall be available to allow multiple RRFB Systems to operate within close proximity of each other.

3. Timing: The controller shall provide the full programmed timing upon all push button activations.

Accessible Pedestrian Signal (APS) Push-Button:

The pedestrian push-button shall meet the requirements of the “Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way” adopted September 7, 2023 and Section 888 of the Standard Specifications and the Cook County Department of Transportation and Highways Special Provision 297 except as modified herein. Each pedestrian push-button shall include a speaker, an informational sign, a light emitting diode (LED) indicator light, a solid state electronic control board, a power supply, wiring and mounting hardware.

Audible Indications. A push-button locator tone shall sound at each push-button. Push-button locator tones shall have a duration of 0.15 seconds or less and shall repeat at 1-second intervals.

Each actuation of the push-button shall be accompanied by the speech message “Warning lights are flashing”. The message shall be repeated twice.

Automatic volume adjustments in response to ambient traffic sound level shall be provided up to a maximum volume of 100 dBA. Locator tone and verbal message shall be no more than 5 dB louder than ambient sound.

Signage. A sign shall be located immediately above the pedestrian push-button and parallel to the crosswalk. The sign shall be standard MUTCD design R10-25.

Tactile Arrow. A tactile arrow, pointing in the direction of travel controlled by the push-button, shall be provided either on the push-button or its sign. A vibrotactile feature shall not be included.

Traffic Signal Post:

The traffic signal post shall meet the requirements of Section 875 of the Standard Specifications and the Cook County Department of Transportation and Highways Special Provision 248.

Foundation:

The traffic signal post concrete foundation shall meet the requirements of Section 878 of the Standard Specifications and the Cook County Department of Transportation and Highways Special Provision 268.

A metal light pole foundation may be used if recommended by the manufacturer and approved by the Engineer. If used, the metal foundation shall meet the requirements of Section 836 of the Standard Specifications.

Painting Traffic Signal Post:

This work shall include surface preparation, glossy black powder coated finish application and packaging of new traffic signal posts. All work associated with applying the painted finish shall be performed at the vendor’s facility for the post or at a painting facility approved by the Engineer. Traffic signal post bases shall also be painted the same color as the posts.

Surface Preparation.

All weld flux and other contaminants shall be mechanically removed. The traffic signal posts shall be degreased, cleaned, and air dried to assure all moisture is removed.

Painted Finish.

All galvanized exterior surfaces shall be coated with a urethane or triglycidyl isocyanurate (TGIC) polyester powder to a dry film thickness of 3.0 mils. The topcoat must meet the requirements of AAMA (American Architectural Manufacturer's Association) 2604 for color and gloss retention properties. Prior to application, the surface shall be mechanically etched by brush blasting (Ref. SSPC-SP7) and the zinc coated substrate preheated to 450 °F for a minimum one (1) hour. The coating shall be electrostatically applied and cured by elevating the zinc-coated substrate temperature to a minimum of 400 °F.

The finish paint color shall be one of the vendor's standard colors and shall be as selected by the local agency responsible for paint costs. The Contractor shall confirm, in writing, the color selection with the local responsible agency and provide a copy of the approval to the Engineer and a copy of the approval shall be included in the material catalog submittal.

Any damage to the finish after leaving the vendor's facility shall be repaired to the satisfaction of the Engineer using a method recommended by the vendor and approved by the Engineer. If while at the vendor's facility the finish is damaged, the finish shall be re-applied at no cost to the contract.

Warranty.

The Contractor shall furnish in writing to the Engineer, the paint vendor's standard warranty and certification that the paint system has been properly applied.

Packaging.

Prior to shipping, the posts shall be wrapped in ultraviolet-inhibiting plastic foam or rubberized foam.

Warranty.

All RRFB components, systems and installation shall be warrantied for a minimum of three (3) years after completed and accepted. Replacement of failed equipment and/or parts shall include labor to remove and properly dispose of failed parts and install new parts.

Basis of Payment. This work will be paid for at the contract unit price EACH for RECTANGULAR RAPID FLASHING BEACON SYSTEM (COMPLETE) which price shall be payment in full for furnishing and installing Rectangular Rapid Flashing Beacon System (Complete) including all labor, equipment, materials and documentation required to furnish and install the RRFB assembly complete with power supply, traffic signal post, foundation, pedestrian push-button, warning signs and plaques, controller and cabinet, wireless communication equipment and mounting hardware with necessary connections for proper operation, and painting of the post.

Relocate Existing Luminaire

Description. This work shall consist of removing, storing and/or relocating an existing luminaire to a new pole as shown on the plans.

Before reinstalling the luminaire, it shall be cleaned. The cleaning shall include the outside of the fixture along with the inside glass and optical assembly. Each luminaire and optical assembly shall be free of all dirt, smudges, etc.

New pole wiring shall be used to install the luminaire. This work shall be included in the cost of this pay item.

Any damage sustained to the luminaire during removal or installation operations shall be repaired, or replaced in kind, to the satisfaction of the Engineer.

If a night-time check of the lighting system by the Engineer indicates that any luminaires are mis-aligned, the mis-aligned luminaires shall be corrected at no additional cost.

Basis of Payment. This item will be paid for at the contract unit price per each as RELOCATE EXISTING LUMINAIRE, as specified here and in the contract plans which shall include all labor, material and equipment necessary to complete the work as specified.

**SPECIAL PROVISION
FOR
REMOVE EXISTING CONCRETE FOUNDATION**

Description. This work shall consist of removing a concrete foundation as shown in the plans or as directed by the Engineer. All work shall be according with applicable parts of Section 895 of the Standard Specifications except as modified herein.

Construction Requirements. Revise the first sentence of Article 895.05(c) to read:

“The concrete foundation shall be removed full depth, backfilled with approved material, and the surface reconstructed to match the adjoining area.”

Basis of Payment. This work will be paid for at the contract unit price per EACH for REMOVE EXISTING CONCRETE FOUNDATION.

**SPECIAL PROVISION
FOR
REMOVE EXISTING DOUBLE HANDHOLE**

Description. This work shall consist of removing double handholes as shown in the plans or as directed by the Engineer. All work shall be in accordance with the applicable parts of Section 895 of the Standard Specifications.

Construction Requirements. Work shall be according to Article 895.05(b) for removal of an existing handhole.

Basis of Payment. This work will be paid for at the contract unit price per EACH for REMOVE EXISTING DOUBLE HANDHOLE.

UNIT DUCT, 600V, 7-1C NO.4, 1/C NO.8 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE

This work shall consist of furnishing and installing unit duct as indicated in the plans in accordance with the requirements of the Standard Specifications, with the following revisions:

Revise the first paragraph of Article 810.04 to read:

“The unit duct shall be installed at a minimum depth of 30-inches (760 mm) unless otherwise directed by the Engineer.”

Add the following to the first paragraph of Article 1066.02(a):

“The cable shall be rated at a minimum of 90°C dry and 75°C wet and shall be suitable for installation in wet and dry locations, and shall be resistant to oils and chemicals.”

Revise the Aerial Electric Cable Properties table of Article 1066.03(a)(3) to read:

Aerial Electric Cable Properties

Phase Conductor		Messenger wire			
Size AWG	Stranding	Average Insulation Thickness		Minimum Size AWG	Stranding
		mm	mils		
6	7	1.1	(45)	6	6/1
4	7	1.1	(45)	4	6/1
2	7	1.1	(45)	2	6/1
1/0	19	1.5	(60)	1/0	6/1
2/0	19	1.5	(60)	2/0	6/1
3/0	19	1.5	(60)	3/0	6/1
4/0	19	1.5	(60)	4/0	6/1

Add the following to Article 1066.03(b) of the Standard Specifications:

“Cable sized No. 2 AWG and smaller shall be U.L. listed Type RHH/RHW and may be Type RHH/RHW/USE. Cable sized larger than No. 2 AWG shall be U.L. listed Type RHH/RHW/USE.”

Revise the second paragraph of Article 1066.05 to read:

“The tape shall have reinforced metallic detection capabilities consisting of a woven reinforced polyethylene tape with a metallic core or backing.”

Revise Article 1088.01(c) to read:

“(c) Coilable Nonmetallic Conduit.

General:

The duct shall be a plastic duct which is intended for underground use and which can be manufactured and coiled or reeled in continuous transportable lengths and uncoiled for further processing and/or installation without adversely affecting its properties of performance. The duct shall be a plastic duct which is intended for underground use and can be manufactured and coiled or reeled in continuous transportable lengths and uncoiled for further processing and/or installation without adversely affecting its properties of performance.

The duct shall be made of high density polyethylene which shall meet the requirements of ASTM D 2447, for schedule 40. The duct shall be composed of black high density polyethylene meeting the requirements of ASTM D 3350, Class C, Grade P33. The wall thickness shall be in accordance with Table 2 for ASTM D 2447.

The duct shall be UL Listed per 651-B for continuous length HDPE coiled conduit. The duct shall also comply with NEC Article 354.100 and 354.120.

Submittal information shall demonstrate compliance with the details of these requirements.

Dimensions:

Duct dimensions shall conform to the standards listed in ASTM D2447.

Marking:

As specified in NEMA Standard Publication No. TC-7, the duct shall be clearly and durably marked at least every 3.05 meters (10 feet) with the material designation (HDPE for high density polyethylene), nominal size of the duct and the name and/or trademark of the manufacturer.

Performance Tests:

Polyethylene Duct testing procedures and test results shall meet the requirements of UL 651. Certified copies of the test report shall be submitted to the Engineer prior to the installation of the duct.

Method of Measurement. This work will be measured for payment in feet (meters) in place in accordance with Section 810.06.

Basis of Payment. This work will be paid for at the contract unit price per FOOT for UNIT DUCT, 600V, 7-1C NO.4, 1/C NO.8 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE, which price shall include all equipment, materials and labor required to furnish and install the unit duct.

SPECIAL PROVISION FOR DIAMOND GRINDING CONCRETE PAVEMENT

Description. This work involves grinding an existing PCC pavement surface for profile improvement, for use as a traffic surface, using a diamond grinder. Grinding and texturing shall be performed at the locations shown in the contract documents.

Grinding shall not extend across bridges unless specifically designated.

Equipment. Grinding operations will utilize diamond blades mounted on a self propelled machine designed for grinding and texturing pavement. The equipment shall be such that it will not cause strain or damage to the underlying surface of the pavement. Grinding equipment that causes ravels, aggregate fractures, spalls, or disturbance to the transverse or longitudinal joints will not be permitted. Vacuuming equipment for removal of residue and excess water shall be used. The equipment will have a positive means of extracting the slurry material from the pavement and for preventing dust from escaping into the air.

Construction. Pavement surface repair (diamond grinding) shall consist of grinding and texturing the entire surface of the pavement in a longitudinal direction. The area ground shall not be left slick or polished. Substantially the entire surface area of the pavement shall be ground and textured until the pavement surface on both sides of the transverse joints and all cracks are in the same plane and meet the smoothness required. In each lane, at least 95 percent of the area in each 100 foot section shall have a newly ground surface. Except at joints and cracks, grinding shall not exceed ½ inch in depth. The ground surface shall be of uniform texture.

Grinding shall be discontinued when there is danger of water freezing.

Reflective Pavement Markers (RPM) are to be removed prior to the grinding operation. Pay items have been included for removal of RPM. Holes left in pavement due to RPM removal or due to missing RPMs shall be filled with epoxy at the direction of the Engineer, material and labor cost for which shall be included in the cost of DIAMOND GRINDING CONCRETE PAVEMENT.

For multiple passes, the equipment shall be carefully controlled to minimize the overlap. Overlaps shall not exceed approximately 1 inch.

When more than one grinding machine is used in the same travel lane, the blade segment thickness, blade spacings, and blade diameter shall be similar so that the texture of the ground surface is reasonably uniform across the lane.

Grinding shall result in a parallel corduroy type texturing consisting of grooves between 2 millimeters and 3 millimeters wide. The distance between grooves shall be between 2 millimeters and 3 millimeters. The peaks of the ridge shall average approximately 2 millimeters higher than the bottom of the grooves. The finished texture shall be uniform. The transverse slope of the pavement shall be uniform to a degree that no depressions or misalignment of slope greater than 3 millimeters in 3 meters exists when tested with a 3 meter straightedge. Straightedge requirements do not apply across longitudinal joints or outside ground areas. Adequate cross slope drainage must result after grinding so that no ponding of water exists.

When included as part of the contract; Pavement patching (including pavement replacement for drainage and utilities), curb and gutter removal and replacement, median removal and replacement, structure adjustments, dowel retrofit, pavement widening and removal of raised reflective pavement markers shall all be done prior to diamond grinding. Joint sealing, ~~reinstallation of raised reflective pavement markers~~, replacement of survey markers or monuments and permanent pavement striping must be done after diamond grinding. The Engineer will direct the timing of work for detector loop installation.

Limitations. Lane closures necessary to accomplish this work shall be shown in the contract documents, or as directed by the Engineer. The entire roadbed shall be opened to traffic at the end of the working period. Uncompleted sections may be opened to traffic without completion of grinding across an entire lane.

Removal of all slurry or residue resulting from the grinding operations shall be continuous and shall not be deposited on the slab or shoulder. Pavement and paved shoulders must be left in a clean condition.

Disposal of grinding residue shall meet the following requirements:

- 1) At no time will the grinding residue be allowed to enter a closed drainage system. The Contractor is responsible for providing suitable means to restrict the infiltration of the grinding residue into the closed drain system at no additional cost.
- 2) The Contractor will be responsible for hauling the grinding residue to a suitable location at no additional cost.
- 3) Residue will not spread within 30 meters of any natural stream or lake.
- 4) Residue will not spread within 1.5 meters of a water filled ditch.
- 5) The spread rate will not generate surface runoff. The Contractor will haul the grinding residue to a suitable location when surface runoff occurs at the grinding location at no additional cost.
- 6) Residue shall not be permitted to flow across lanes occupied by public traffic.

The Contractor shall obtain approval of the spreading/disposal method from the Engineer prior to beginning the grinding operation.

Pavement Markings. Temporary Pavement Marking Tape, Type III Line shall be installed on the pavement according immediately after permanent markings have been ground away. This is required on a daily basis when diamond grinding operations occur. Temporary pavement markings shall be installed according to Section 703 of the Standard Specifications for Road and Bridge Construction.

Measurement and Payment.

DIAMOND GRINDING CONCRETE PAVEMENT will be measured by area in square yards. Pay areas will include the final textured surface area. Minor areas of untextured pavement will be included in the measurement. Minor areas shall total no more than 5 percent of the designated area to be textured.

The work of collection, hauling and spreading of the grinding residue is included in the contract unit price for DIAMOND GRINDING CONCRETE PAVEMENT. Payment for additional passes or regrinding to meet ride quality requirements will not be paid for separately.

The completed work will be paid for at the contract Unit Bid Price per Sq. Yd. of DIAMOND GRINDING CONCRETE PAVEMENT.

The cost for Temporary Pavement Marking Tape, Type IV Line will be considered incidental to the cost of TRAFFIC PROTECTION.



Illinois
Department of
**Natural
Resources**

JB Pritzker, Governor • Natalie Phelps Finnie, Director
One Natural Resources Way • Springfield, Illinois 62702-1271
www.dnr.illinois.gov

July 31, 2024

Petro Kravets
2 Pierce Place
Suite 1400
Itasca, IL 60143

**RE: 2022 Pavement Rehabilitation Program (North Corridors Package 3) - Shoe Factory Road
Consultation Program
EcoCAT Review #2501438
Cook County**

Dear Mr. Kravets:

The Department has received your submission for this project for the purposes of consultation pursuant to the *Illinois Endangered Species Protection Act* [520 ILCS 10/11], the *Illinois Natural Areas Preservation Act* [525 ILCS 30/17], and Title 17 *Illinois Administrative Code* Part 1075.

The proposed action consists of milling and resurfacing of HMA pavement, pavement markings, sidewalk ramp improvement, spot drainage improvements, guardrail replacement.

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Illinois Natural Areas Inventory (INAI)

Shoe Factory Road Prairie INAI

Illinois Nature Preserves Commission Lands

**Shoe Factory Road Prairie Nature Preserve
Trout Park Class 3 Groundwater**

State Threatened or Endangered Species

**Rusty Patched Bumble Bee (*Bombus affinis*)
Wooly Milkweed (*Asclepias lanuginosa*)**

Due to the project scope and proximity to protected resources the Department recommends the following actions be taken to avoid adversely impacting listed species and/or protected natural areas in the vicinity of the project:

Trout Park Class 3 Groundwater

The Department has determined that impacts to these protected resources are unlikely.

Shoe Factory Road Prairie INAI and Nature Preserve

The project is adjacent to the Shoe Factory Road Prairie INAI and Nature Preserve. Plans and documents indicate all work is staying within right-of-way (ROW) along the border of the Nature Preserve. The Department recommends the following to avoid impacts to Shoe Factory Road Prairie Nature Preserve:

- No equipment should be stored within right-of-way.
- Parking and staging in areas adjacent to the Nature Preserve should also be avoided.
- Strict adherence to soil erosion and sediment control BMPs to prevent impacts to the Nature Preserve.
- Good housekeeping practices should be implemented and maintained during and after construction to prevent trash and other debris from inadvertently blowing or washing into nearby natural areas.
- Any required night lighting should follow International Dark-Sky Association's (IDA) Five Principles for Responsible Outdoor Lighting to minimize the effect of light pollution on wildlife: [Five Principles for Responsible Outdoor Lighting | DarkSky International](#)
- All equipment should be power washed off-site to remove exotic/invasive seed or propagules.

The applicant should be aware that they may be liable for any adverse impact to an Illinois Nature Preserve or Illinois Land and Water Reserve pursuant to the *Illinois Natural Areas Preservation Act* [525 ILCS 30/21-23]. Violations under this Act can carry significant penalties.

Wooly Milkweed

- The plant be searched for, flagged, and avoided if possible.
- If avoidance is not possible, please consider seed collection and planting, translocation, and surface soil conservation measures to help promote the continued existence of this plant in the area.
- State-listed plant species belong to the landowner and their fate resides with the landowner's conservation decisions. If take is unavoidable, express written permission from the landowner should be obtained to take listed plants to comply with the Illinois Endangered Species Protection Act.

Rusty Patched Bumble Bee

- Work which disturbs the ground or may remove flowering plants should be done between October 1st and April 1st to avoid potential impacts.
- If these dates cannot be accommodated, once the growing season begins, the project limits should be routinely mowed similar to typical lawn grass height (not more than 6 inches).

The area should not be allowed to grow in excess of 6 inches after the initial mowing to prevent the return of floral resources. Mowing should continue throughout the growing season.

- If these mowing restrictions cannot be accommodated, a Rusty Patched Bumble Bee habitat assessment should be conducted by a qualified biologist. Factors to consider prior to conducting a site visit include time of year and how this affects the bee's life cycle, activity, and colony development. A habitat assessment proposal should be sent to the Department for concurrence on methods and results should be sent to the Department for final comment.

Please note that due to the federal status of the Rusty Patched Bumble Bee, and its potential occurrence in the project area, coordination with the U.S. Fish and Wildlife Service may be necessary and is separate from this consultation and Illinois State regulations.

Given the above recommendations are adopted the Department has determined that impacts to these protected resources are unlikely. The Department has determined impacts to other protected resources in the vicinity of the project location are also unlikely.

In accordance with 17 Ill. Adm. Code 1075.40(h), please notify the Department of your decision regarding these recommendations.

Consultation on the part of the Department is closed, unless the applicant desires additional information or advice related to this proposal. Consultation for Part 1075 is valid for two years unless new information becomes available which was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the action has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database at the time of the project submittal and should not be regarded as a final statement on the project being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are unexpectedly encountered during the project's implementation, the applicant must comply with the applicable statutes and regulations.

This letter does not serve as permission to take any listed or endangered species. As a reminder, no take of an endangered species is permitted without an Incidental Take Authorization or the required permits. Anyone who takes a listed or endangered species without an Incidental Take Authorization or required permit may be subject to criminal and/or civil penalties pursuant to the *Illinois Endangered Species Act*, the *Fish and Aquatic Life Act*, the *Wildlife Code* and other applicable authority.

Please contact Grant Gebhards (grant.m.gebhards@illinois.gov) with any questions about this review.

Sincerely,

Bradley Hayes
Manager, Impact Assessment Section
Division of Real Estate Services and Consultation
Office of Realty & Capital Planning
Illinois Department of Natural Resources
One Natural Resources Way
Springfield, IL 62702
Bradley.Hayes@Illinois.gov
Phone: (217) 782-0031



NOTICE TO BIDDERS, SPECIFICATIONS, CONTRACT AND CONTRACT BOND

FOR
HIGHWAY IMPROVEMENT
County of Cook, Illinois

Toni Preckwinkle
Cook County Board President

Jennifer (Sis) Killen, P.E., PTOE
Superintendent
Cook County Department of
Transportation and Highways

Raffi Sarrafian
Chief Procurement Officer

Letting: December 11, 2024

No Later Than 10 a.m.

2022 Pavement Rehabilitation Program –
North Corridors Package 3
Section Number 22-PRPN1-00-PV
Route No W80, A72, A68, A62, and W34

COOK COUNTY PROCUREMENT CONTRACT NO.: 2411-10160

BOOK III

Failure to submit Book III in its entirety, may result in rejection of bid.

NOTICE TO PROSPECTIVE BIDDERS

To obtain specifications and submit 1 original proposal go to:

<https://cookcountylvil.bonfirehub.com/portal/?tab=openOpportunities>.
Follow online instructions to register, if you have not already).

**Pre-Bid Meeting: Tuesday, November 19, 2024
1 a.m.**

TEAMS MEETING:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjA0N2Y2ZDQtYmFiYi00MjFiLTgzYWMTyTA3YjViMzMmYjY1%40thread.v2/0?context=%7b%22Tid%22%3a%228b4d55ae-6db4-4e05-a85c-59d6a256cd6e%22%2c%22Oid%22%3a%2266175ef7-f10a-4c3b-b755-1d44ba95bd32%22%7d

All questions are due on **Friday, November 22, 2024** no later than 3:00pm Chicago time

Bid Submitted by:

☐

COPY Bid Bond attached

☐

COPY Cashier's Check or a Certified Check attached

Name _____ Phone No. _____

Email Address: _____

Address _____

City _____ State _____ Zip Code _____

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**SPECIAL PROVISION
FOR
RESPONSIBLE BIDDER REQUIREMENT**

In accordance with the provisions of Section 30-22 (6) of the Illinois Procurement Code, the bidder certifies that it is a participant, either as an individual or as part of a group program, in the approved apprenticeship and training programs applicable to each type of work or craft that the bidder will perform with its own forces. The bidder further certifies for work that will be performed by subcontract that each of its subcontractors submitted for approved either (a) is, at the time of such bid, participating in an approved, applicable apprenticeship and training program; or (b) will, prior to commencement of performance of work pursuant to this centered, begin participation in an approved apprenticeship and training program applicable to the work of the subcontract. The Department, at any time before or after award, may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its Subcontractors. Applicable apprenticeship and training programs are those that have been approved and registered with the United States Department of Labor. The bidder shall list in the space below, the official name of the program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's forces. Types of work or craft work that will be subcontracted shall be included and listed as subcontract work. The list shall also indicate any type of work or craft job category that does not have an applicable apprenticeship or training program. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed.

International Union of Operating
Engineers Local 150

Laborers District Council of Chicago and
Vicinity

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. In order to fulfill this requirement, it shall not be necessary that an applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract.

SPECIAL PROVISION FOR JOINT VENTURES

Contractors submitting a bid as a joint venture shall comply with the following procedures:

- 1) Contractors may combine their available bidding capacity for a single contract to bid as a joint venture.
- 2) The joint venture shall be indicated by the filing of a ***Joint Venture Minimum Declaration of Work*** for each of the contracts for which joint venture approval is sought. It identifies the managing partner and indicated the kind and the percentage of work to be performed by each joint venture partner with its own workforce and resources other than work reserved to meet any disadvantage business goal advertised in the contract. The form indicated the joint venture agreement shall be included in the bid. In addition, each joint venture partner firm shall submit an ***Affidavit of Availability***. ***The Joint Venture Minimum Declaration of Work and all Affidavits of Availability must be included in the bid.*** The proposed joint venture shall not be approved if the establishment of a joint venture would unduly restrict competition. A determination that a proposed venture would unduly restrict competition is limited to any of the following reasons:
 - a) That the proposed joint venture would consist of more than three (3) qualified contractors.
 - b) That the ***Joint Venture Minimum Declaration of Work*** indicated that any one of the proposed joint ventures partners will perform less than ten percent of the non-disadvantage business work with its own workforce and resources.
 - c) That for letting items estimates by the Department to be bid at less than \$1,000,000.00 more than one of the proposed joint venture partners has the individual qualification ratings and bid the item without the approval of the venture. This determination shall not apply to joint ventures between firms having fifty-one percent or more common controlling ownership or on items where the estimated quantity of asphalt exceeds 10,000 tons or concrete exceeds 5,000 cubic yards. Each proposed joint venture shall submit, with the bid, a ***Joint Venture Certificate of Explanation and Justification*** for each of the contracts estimated at less than \$1,000,000.00 for which joint venture approval is sought. The form indicated the circumstances which apply to the joint venture. That is there fifty-one percent (51%) or more common controlling ownership, or does one or more parties to the joint venture not have the financial capacity, work capacity or work categories to complete the project. ***The Joint Venture Certificate of Explanation must be included in the bid.***
- 3) Contractors whose financial ratings are based upon unaudited financial statements will not be permitted to joint venture with each other to bid contracts which are estimated to exceed \$350,000.00. However, such contractors may be permitted to joint venture with contractors who have a financial rating based upon an audited statement to bid contracts estimated to exceed \$350,000.00.
- 4) If a joint venture work rating is limited by its maximum financial rating, the full value of the computed work rating will be used in analyzing the joint venture approval request. However, the combined maximum work rating in any category shall not exceed the combined maximum financial rating of the joint venture.

- 5) If an approved joint venture is awarded a contract, the kind and percentage of work indicated on the ***Joint Venture Minimum Declaration of Work*** may be amended as many times as necessary by the contractor provided that each partner of the approved joint venture performs at least ten percent of the nondisadvantaged work with its own workforce and resources.

Copies of all required Joint Venture Forms are attached.

Please note that signed and notarized originals of all required Joint Venture Forms mentioned above **must be included in the bid.** This includes ***Affidavits of Availability*** for all parties to the joint venture.

JOINT VENTURE FORMS

Qualified contractors wishing to combine bidding capacity and bid items as joint ventures must submit the appropriate properly completed forms and include them in their bid. The required joint venture forms include: (1) the ORIGINAL *Affidavit of Availability* (BC 57); (2) the ORIGINAL *Joint Venture Minimum Declaration of Work*; and (3) the ORIGINAL *Joint Venture Certificate of Explanation and Justification*.



**COOK COUNTY DEPARTMENT OF TRANSPORTATION
AND HIGHWAYS**
Joint Venture Certificate of Explanation & Justification

Bid Proposal Submission Date: _____
Item No.: _____
Joint Venture Name: _____
Managing Party: _____

Firm #1

Name: _____

Address: _____

Firm #2

Name: _____

Address:- _____

Firm #3

Name: _____

Address: _____

Instructions:

Indicate the circumstances which apply to the Joint Venture.

- 1) One or more firms do not have the required financial capacity.

Firm #1

Firm #2

Firm #3

Does not have sufficient available prequalification financial rating to perform the work.

- 2) One or more firms do not have the required work capacity.

Firm #1

Firm #2

Firm #3

Does not have sufficient available prequalification work ratings to perform fifty percent of the work.

- 3) One or more firms do not perform work in a majority of work categories required to complete the project.

Work categories not performed by the firm:

Firm #1 _____

Firm #2 _____

Firm #3 _____

- 4) Fifty-one percent (51%) common controlling ownership between firms.

Firm #1

Firm #2

Firm #3

has attached statement indicating the relationship of the firms.

- 5) Estimated quantity of asphalt for this item exceeds 10,000 tons.

- 6) Estimated quantity of concrete exceeds 5,000 cubic yards.

- 7) Estimated costs of project are less than \$1,000,000.

I/WE being duly sworn do hereby declare the explanation and justification to be a true and correct statement.

I, WE being duly sworn, do hereby declare the explanation and justification to be a true and correct statement.

Firm #1

Name _____ Title _____
(Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20 _____. (Notary Seal)

Notary Public My commission expires on _____

Firm #2

Name _____ Title _____
(Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20 _____. (Notary Seal)

Notary Public My commission expires on _____

Firm #3

Name _____ Title _____
(Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20 _____. (Notary Seal)

Notary Public My commission expires on _____

This form must be submitted with the bid.



**COOK COUNTY DEPARTMENT OF
TRANSPORTATION AND HIGHWAYS
Joint Venture Minimum Declaration of Work**

Bid Proposal Submission Date: _____
 Item No.: _____
 Joint Venture Name: _____
 Managing Party: _____

Firm #1

Name: _____

Address: _____

Firm #2

Name: _____

Address: _____

Firm #3

Name: _____

Address: _____

Instructions:

Indicate the percentage of work to be performed by each firm with their own forces.

	Firm #1	Firm #2	Firm #3
Earthwork	_____	_____	_____
Portland Cement Concrete Paving	_____	_____	_____
Bituminous Plant Mix	_____	_____	_____
Bituminous Aggregate Mixtures	_____	_____	_____
Miscellaneous Bituminous Paving	_____	_____	_____
Cleaning and Sealing Cracks & Joints	_____	_____	_____
Soil Stabilization and Modification	_____	_____	_____
Aggregate Bases and Surfaces	_____	_____	_____
Highway, Railroad & Waterway Structures	_____	_____	_____
Drainage	_____	_____	_____
Electrical	_____	_____	_____
Cover & Seal Coats	_____	_____	_____
Slurry Applications	_____	_____	_____
Miscellaneous Concrete Construction	_____	_____	_____
Landscaping	_____	_____	_____
Seeding & Sodding	_____	_____	_____
Vegetation Spraying	_____	_____	_____
Tree Trimming & Selective Tree Removal	_____	_____	_____

Fencing	_____	_____	_____
Guardrail	_____	_____	_____
Grouting	_____	_____	_____
Painting	_____	_____	_____
Signing	_____	_____	_____
Paint Pavement Marking	_____	_____	_____
Thermoplastic Pavement Marking	_____	_____	_____
Epoxy Pavement Marking	_____	_____	_____
Installation of Raised Pavement Markers	_____	_____	_____
Pavement Texturing & Surface Removal	_____	_____	_____
Cold Milling, Planning & Rototilling	_____	_____	_____
Erection	_____	_____	_____
Demolition	_____	_____	_____
Other	_____	_____	_____

I, WE being duly sworn, do hereby declare the explanation and justification to be a true and correct statement.

Firm #1

Name _____ Title _____
(Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20 _____. (Notary Seal)

Notary Public My commission expires on _____

Firm #2

Name _____ Title _____
(Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20 _____. (Notary Seal)

Notary Public My commission expires on _____

Firm #3

Name _____ Title _____
(Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20 _____. (Notary Seal)

Notary Public My commission expires on _____

This form must be submitted with the bid.

**SPECIAL PROVISION
FOR
PROPOSAL AGREEMENTS
ADDENDUM RECEIPT**

The receipt of the following addenda to the drawings and/or specification is acknowledged:

Addendum No. 1
Dated 11/13/24

Addendum No. _____
Dated _____

Addendum No. _____
Dated _____

Addendum No. _____
Dated _____

Addendum No. _____
Dated _____

NOTE: These Addenda form a part of the Bidding and Contract Documents and modify the Original Documents for this Contract. Receipt of these Addenda shall be acknowledged above. Failure to do so may subject the Bidder to disqualification.

Insert

IDOT Certificate of Eligibility



**Illinois Department
of Transportation**

Certificate of Eligibility

Builders Paving, LLC
4401 W. Roosevelt Road HILLSIDE, IL 60162

Contractor No 2341

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED SUPER UNLIMITED

001	EARTHWORK	\$3,600,000
003	HMA PLANT MIX	Unlimited
017	CONCRETE CONSTRUCTION	\$13,450,000
032	COLD MILL, PLAN. & ROTOMILL	\$13,775,000
08A	AGGREGATE BASES & SURF. (A)	\$4,850,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 6/3/2024 TO 4/30/2025 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION. ISSUED AT SPRINGFIELD, ILLINOIS ON 6/3/2024.


Engineer of Construction

Insert

IDOT Certificate of Availability

**Affidavit of Availability**

For the Letting of 12/11/2024

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	5	Accumulated Totals
Contract Number	9024063	9024109	9022659	9021002	9023030	
Contract With	Lenny Hoffman	Berger	Cook County	Judlau	Lake Cty Grading	
Estimated Completion Date	11/15/2024	7/1/2025	5/1/2024	12/1/2023	12/1/2024	
Total Contract Price	\$ 297,170.25	\$ 109,670.00	\$ 16,263,190.56	\$ 3,697,406.15	\$ 2,390,682.42	
Uncompleted if Prime Contractor			\$ 50,000.00			\$ 50,000.00
Uncompleted if Subcontractor	\$ 297,170.25	\$ 109,670.00		\$ 1,839,521.65	\$ 1,806,605.75	\$ 4,052,967.65
Total Value of All Work						\$ 4,102,967.65

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork	207,930.25					\$ 207,930.25
Portland Cement Concrete Paving						\$ -
HMA Plant Mix	64,240.00	109,010.00	\$ 1,000.00	\$ 1,714,358.50	\$ 1,806,605.75	\$ 3,695,214.25
HMA Paving						\$ -
Clean & Seal Cracks/Joints						\$ -
Aggregate Bases, Surfaces						\$ -
Highway, R.R., Waterway Struc.						\$ -
Drainage						\$ -
Electrical						\$ -
Cover and Seal Coats		660.00		\$ 4,227.21		\$ 4,887.21
Concrete Construction						\$ -
Landscaping						\$ -
Fencing						\$ -
Guardrail						\$ -
Painting						\$ -
Layout						\$ -
Cold Milling, Planning, Rotomilling				\$ 95,435.94		\$ 95,435.94
Demolition						\$ -
Pavement Markings (Paint)						\$ -
Mobilization						\$ -
Field Office			\$ 25,000.00			\$ 25,000.00
TC&P						\$ -
	25,000.00					\$ 25,000.00
Totals	\$ 297,170.25	\$ 109,670.00	\$ 26,000.00	\$ 1,814,021.65	\$ 1,806,605.75	\$ 4,053,467.65

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	5	
Subcontractor	None	None	Acura, Inc.	None	None	
Type of Work			Concrete			
Subcontract Price			\$ 3,564,399.25			
Amount Uncompleted			\$ 20,000.00			
Subcontractor			Peterson Environmental			
Type of Work			Soil Testing			
Subcontract Price			\$ 92,250.00			
Amount Uncompleted			\$ 500.00			
Subcontractor			H&H Electric			
Type of Work			Electric			
Subcontract Price			\$ 664,631.08			
Amount Uncompleted			\$ 2,500.00			
Subcontractor			Gary Weiss			
Type of Work			Landscaping			
Subcontract Price			\$ 91,932.64			
Amount Uncompleted			\$ 2,000.00			
Subcontractor			The Stettner Group			
Type of Work			Layout			
Subcontract Price			\$ 57,465.00			
Amount Uncompleted			\$ 500.00			
Subcontractor			Pro Tack			
Type of Work			LJS			
Subcontract Price			\$ 336,785.28			
Amount Uncompleted			\$ -			
Subcontractor			A-Lamp			
Type of Work			PCC Milling			
Subcontract Price			\$ 526,091.40			
Amount Uncompleted			\$ -			
Total Uncompleted	\$ -	\$ -	\$ 25,500.00	\$ -	\$ -	

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Steven Salinas

Title

Vice President

Signature

Date

12/11/2024

Company

Builders Paving, LLC

Address

4401 Roosevelt Road

City

State

Zip Code

Hillside**IL****60162**

Subscribed and sworn to before me

this 11 day of December, 2024

(Signature of Notary Public)

My commission expires

(Notary Seal)

**Affidavit of Availability**

For the Letting of 12/11/2024

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	5	Accumulated Totals
Contract Number	9024096	9024059	9024106	9024086	9024084	
Contract With	Acqua	Schaumburg	Nicholas & Assoc.	IDOT - AU072	Dimeo	
Estimated Completion Date	11/30/2024	11/1/2024	8/15/2025	12/1/2024	6/1/2025	
Total Contract Price	\$ 192,685.00	\$ 6,588,000.00	\$ 525,000.00	\$ 1,388,994.51	\$ 765,891.00	
Uncompleted if Prime Contractor		\$ 2,865,593.85		\$ 1,388,994.51		\$ 4,304,588.36
Uncompleted if Subcontractor	\$ 192,685.00		\$ 525,000.00		\$ 765,891.00	\$ 5,536,543.65
Total Value of All Work						\$ 9,841,132.01

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork	99,385.00	\$ 301,346.36	48,000.00		\$ 8,000.00	\$ 664,661.61
Portland Cement Concrete Paving						\$ -
HMA Plant Mix	2,200.00	\$ 956,834.00	379,612.50	\$ 492,469.06	\$ 748,440.00	\$ 6,274,769.81
HMA Paving						\$ -
Clean & Seal Cracks/Joints						\$ -
Aggregate Bases, Surfaces				\$ 22,880.00	\$ 26.00	\$ 22,906.00
Highway, R.R., Waterway Struc.						\$ -
Drainage						\$ -
Electrical						\$ -
Cover and Seal Coats		\$ 227.20			\$ 9,425.00	\$ 14,539.41
Concrete Construction						\$ -
Landscaping						\$ -
Fencing						\$ -
Guardrail						\$ -
Painting						\$ -
Layout						\$ -
Cold Milling, Planning, Rotomilling	79,100.00	\$ 118,913.97	89,375.00	\$ 151,200.00		\$ 534,024.91
Demolition						\$ -
Pavement Markings (Paint)						\$ -
Mobilization				\$ 143,842.75		\$ 143,842.75
Field Office				\$ 15,000.00		\$ 40,000.00
TC&P		\$ 30,125.00				\$ 30,125.00
Other	12,000.00		1,293.34			\$ 38,293.34
Totals	\$ 192,685.00	\$ 1,407,446.53	\$ 518,280.84	\$ 825,391.81	\$ 765,891.00	\$ 7,763,162.83

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	5
Subcontractor	Emergia	Patriot Pavt Maint	Tru Seal	Galaxy	Quigg Engineering
Type of Work	Site Utilities	Sealcoat/Cr Fill	Striping	Utilities	Layout
Subcontract Price	\$ 141,750.00	\$ 177,065.14	\$ 6,719.16	\$ 37,358.00	\$ 16,930.00
Amount Uncompleted	\$ 141,750.00	\$ 73,567.85	\$ 6,719.16	\$ 37,358.00	\$ 16,930.00
Subcontractor	Nafisco	CAM		Peerless Fence	
Type of Work	Traffic Control	Rejuvenator		Fencing	
Subcontract Price	\$ 25,293.00	\$ 173,935.71		\$ 260,800.00	
Amount Uncompleted	\$ 25,293.00	\$ 18,333.90		\$ 290,800.00	
Subcontractor	Oro Stone	Precision Pvt Mk		Builders	
Type of Work	Landscaping	Striping		Concrete	
Subcontract Price	\$ 108,942.50	\$ 23,994.70		\$ 103,443.00	
Amount Uncompleted	\$ 108,942.50	\$ 23,994.70		\$ 103,443.00	
Subcontractor	Patriot Pavement	Lampignano & Son		Precision	
Type of Work	Seal Coat & Crackfill	PCC/Landscape		Striping	
Subcontract Price	\$ 45,326.08	\$ 2,262,796.80		\$ 50,000.00	
Amount Uncompleted	\$ 45,326.08	\$ 1,232,343.87		\$ 50,000.00	
Subcontractor	Schroeder & Schroeder	HighStar		Work Zone Safety	
Type of Work	Concrete	Traffic Equip		Traffic	
Subcontract Price	\$ 997,749.25	\$ 63,500.00		\$ 18,595.00	
Amount Uncompleted	\$ 997,749.25	\$ 27,097.00		\$ 18,595.00	
Subcontractor	Superior	DeVinci Const.		Road Fabrics	
Type of Work	Striping	Site Utilities		Fabric	
Subcontract Price	\$ 8,917.15	\$ 227,770.00		\$ 25,224.20	
Amount Uncompleted	\$ 8,917.15	\$ 82,810.00		\$ 25,224.20	
Subcontractor				Patriot Pvt Maint	
Type of Work				Sealcoat & Crack Fill	
Subcontract Price				\$ 21,252.50	
Amount Uncompleted				\$ 21,252.50	
Total Uncompleted	\$ 1,327,977.98	\$ 1,458,147.32	\$ 6,719.16	\$ 563,602.70	\$ -

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Steven Salinas

Title

Vice President

Signature

Date

12/11/2024

Company

Builders Paving, LLC

Address

4401 Roosevelt Road

City

State

Zip Code

Hillside**IL****60162**

Subscribed and sworn to before me

this 11 day of December, 2024

(Signature of Notary Public)

My commission expires

(Notary Seal)

**Affidavit of Availability**

For the Letting of 12/11/2024

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	5	Accumulated Totals
Contract Number	9024095	9024070	9024073 - 61K29	9024026 - 61K09	9024094	
Contract With	Holiday Sewer	Dimeo Brothers	IDOT	IDOT	Bolder	
Estimated Completion Date	12/1/2024	9/1/2025	11/15/2024	12/1/2024	11/30/2024	
Total Contract Price	\$ 757,985.00	\$ 322,092.43	\$ 1,542,137.35	\$ 986,318.12	\$ 348,235.65	
Uncompleted if Prime Contractor			\$ 1,529,015.20	\$ 950,862.52		6,784,466.08
Uncompleted if Subcontractor	\$ 757,985.00	\$ 322,092.43			\$ 348,235.65	6,964,856.73
Total Value of All Work						13,749,322.81

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork	32,750.00	\$ 9,200.00	\$ 130,000.00	\$ 1,850.00	84,371.00	922,832.61
Portland Cement Concrete Paving						-
HMA Plant Mix	352,775.00	\$ 312,556.50	\$ 649,175.00	\$ 503,741.50	195,670.00	8,288,687.81
HMA Paving						-
Clean & Seal Cracks/Joints						-
Aggregate Bases, Surfaces		\$ 76.00	\$ 1,000.00			23,982.00
Highway, R.R., Waterway Struc.						-
Drainage						-
Electrical						-
Cover and Seal Coats	1,950.00	\$ 259.93	\$ 293.60	\$ 125.00	845.40	18,013.34
Concrete Construction						-
Landscaping						-
Fencing						-
Guardrail						-
Painting						-
Layout						-
Cold Milling, Planning, Rotomilling	370,510.00		\$ 63,525.00		67,349.25	1,035,409.16
Demolition						-
Pavement Markings (Paint)						-
Mobilization						143,842.75
Field Office						40,000.00
TC&P						30,125.00
Other			\$ 92,160.00	\$ 11,052.55		141,505.89
Totals	757,985.00	322,092.43	936,153.60	516,769.05	348,235.65	10,644,398.56

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Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4		5
Subcontractor	None	None	ABI	ProTack	Smith Maint.	None
Type of Work			Concrete	LJS	Traffic	
Subcontract Price			\$ 411,015.60	\$ 27,798.40	\$ 19,334.00	
Amount Uncompleted			\$ 411,015.60	\$ 27,798.40	\$ 19,334.00	
Subcontractor			Galaxy	Highstar		
Type of Work			Sewer	Striping		
Subcontract Price			\$ 110,875.00	\$ 16,145.00		
Amount Uncompleted			\$ 110,875.00	\$ 16,145.00		
Subcontractor			Green Earth	ABI Construction		
Type of Work			Landscaping	Concrete		
Subcontract Price			\$ 20,330.00	\$ 260,300.00		
Amount Uncompleted			\$ 20,330.00	\$ 260,300.00		
Subcontractor			H&H Electric	H&H Electric		
Type of Work			Electric	Electric		
Subcontract Price			\$ 4,425.00	\$ 3,228.00		
Amount Uncompleted			\$ 4,425.00	\$ 3,228.00		
Subcontractor			HighStar	Sincere		
Type of Work			Striping	Landscaping		
Subcontract Price			\$ 19,725.00	\$ 5,918.07		
Amount Uncompleted			\$ 19,725.00	\$ 5,918.07		
Subcontractor			Smith Maint.	Galaxy		
Type of Work			Traffic Control	Utilities		
Subcontract Price			\$ 26,491.00	\$ 94,245.00		
Amount Uncompleted			\$ 26,491.00	\$ 94,245.00		
Subcontractor				D&R Enviro		
Type of Work				Soil Testing		
Subcontract Price				\$ 7,125.00		
Amount Uncompleted				\$ 7,125.00		
Total Uncompleted	\$ -	\$ -	\$ 592,861.60	\$ 434,093.47		\$ -

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Steven Salinas

Title

Vice President

Signature

Date

12/11/2024

Company

Builders Paving, LLC

Address

4401 Roosevelt Road

City

State

Zip Code

Hillside**IL****60162**

Subscribed and sworn to before me

this 11 day of December, 2024

(Signature of Notary Public)

My commission expires

(Notary Seal)



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For the Letting of 12/11/2024

Bureau of Construction
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Springfield, IL 62764

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	1	2	3	4	5	Accumulated Totals
Contract Number	9024093					
Contract With	IDOT					
Estimated Completion Date						
Total Contract Price	\$ 2,978,841.28					
Uncompleted if Prime Contractor	\$ 2,978,841.28					9,763,307.36
Uncompleted if Subcontractor						6,964,856.73
Total Value of All Work						16,728,164.09

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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Earthwork	358,825.00					1,281,657.61
Portland Cement Concrete Paving						-
HMA Plant Mix	1,303,699.25					9,592,387.06
HMA Paving						-
Clean & Seal Cracks/Joints						-
Aggregate Bases, Surfaces	126,370.00					150,352.00
Highway, R.R., Waterway Struc.						-
Drainage						-
Electrical						-
Cover and Seal Coats	447.70					18,461.04
Concrete Construction						-
Landscaping						-
Fencing						-
Guardrail						-
Painting						-
Layout						-
Cold Milling, Planning, Rotomilling	246,189.20					1,281,598.36
Demolition						-
Pavement Markings (Paint)						-
Mobilization						143,842.75
Field Office						40,000.00
TC&P						30,125.00
Other	380,911.07					522,416.96
Totals	2,416,442.22	-	-	-	-	13,060,840.78

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Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	5
Subcontractor	Builders Concrete	Smith Maintenance			
Type of Work	Concrete	Traffic Control			
Subcontract Price	\$ 77,752.55	\$ 29,218.00			
Amount Uncompleted	\$ 77,752.55	\$ 29,218.00			
Subcontractor	D&R Environ.	Veterans Vac			
Type of Work	Testing	Sewer			
Subcontract Price	\$ 14,700.00	\$ 18,600.00			
Amount Uncompleted	\$ 14,700.00	\$ 18,600.00			
Subcontractor	Evergreen Roadworks				
Type of Work	LJS				
Subcontract Price	\$ 65,805.36				
Amount Uncompleted	\$ 65,805.36				
Subcontractor	Galaxy				
Type of Work	Sewer				
Subcontract Price	\$ 139,375.00				
Amount Uncompleted	\$ 139,375.00				
Subcontractor	McGinty				
Type of Work	Landscaping				
Subcontract Price	\$ 13,927.50				
Amount Uncompleted	\$ 13,927.50				
Subcontractor	Petonica				
Type of Work	Electric				
Subcontract Price	\$ 117,487.20				
Amount Uncompleted	\$ 117,487.20				
Subcontractor	Precision				
Type of Work	Striping				
Subcontract Price	\$ 85,533.45				
Amount Uncompleted	\$ 85,533.45				
Total Uncompleted	562,399.06	\$ -	\$ -	\$ -	\$ -

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Steven Salinas

Title

Vice President

Signature



Date

12/11/2024

Company

Builders Paving, LLC

Address

4401 Roosevelt Road

City

State

Zip Code

Hillside

IL

60162



Subscribed and sworn to before me

this 11 day of December, 2024

Kaitlyn E. Weiher
(Signature of Notary Public)

My commission expires JULY 07, 2026



KAITLYN E WEIHER
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
July 07, 2026

(Notary Seal)



Contractor Certification Statement



Prior to conducting any professional services at the site covered by this contract, the Contractor and every subcontractor must complete and return to the Resident Engineer the following certification. A separate certification must be submitted by each firm. Attach to this certification all items required by Section II.G of the Storm Water Pollution Prevention Plan (SWPPP) which will be handled by the Contractor/subcontractor completing this form.

Route	Marked Route	Section Number
Various Routes	W80, A72, A6 & A62, and W34	22-PRPN1-00-PV
Project Number	County	Contract Number
	Cook	

This certification statement is a part of SWPPP for the project described above, in accordance with the General NPDES Permit No. ILR10 issued by the Illinois Environmental Protection Agency.

I certify under penalty of law that I understand the terms of the Permit No. ILR 10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Additionally, I have read and understand all of the information and requirements stated in SWPPP for the above mentioned project; I have received copies of all appropriate maintenance procedures; and, I have provided all documentation required to be in compliance with the Permit ILR10 and SWPPP and will provide timely updates to these documents as necessary.

- ☒ Contractor
☐ Sub-Contractor

Signature	Date		
	12/11/24		
Print Name	Title		
Steven Salinas	Vice President		
Name of Firm	Phone		
Builders Paving, LLC	(847) 419-9000		
Street Address	City	State	Zip Code
4401 Roosevelt Road	Hillside	IL	60162



Items which this Contractor/subcontractor will be responsible for as required in Section II.G. of SWPPP

CONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

County of Cook
69 W. Washington Street
Chicago, IL 60602

Date: 12/11/24
Project Number: 2411-10160
Project Name: 2022 Pavement Rehabilitation
Program - North Corridors Package 3

1. The undersigned, having executed a contract with the County of Cook for the construction of the above Identified project, acknowledges that:
 - (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Correction of any infractions of the aforesaid conditions, including conditions, including infractions by any of this Subcontractors and any lower tier subcontractors, in his Responsibility.
2. He certifies that:
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a Substantial interest is designated as an ineligible contractor by the comptroller General of The United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
3. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
4. He certifies that:
 - (a) The legal name and the business address of the Undersigned are: Builders Paving, LLC
4401 Roosevelt Road
Hillside, IL 60162
 - (b) The undersigned is (check one):
 - ☐ Sole Proprietorship
 - ☐ Partnership
 - ☐ Corporation
 - ☒ Other Organization (Describe) Limited Liability Company
 - (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Ryan Gandy - President - 4401 Roosevelt Road, Hillside, IL 60162</u>		

NAME	TITLE	ADDRESS
<u>Steven Salinas - Vice President - 4401 Roosevelt Road, Hillside, IL 60162</u>		
<u>Joseph Michael - Secretary - 4401 Roosevelt Road, Hillside, IL 60162</u>		
<u>SKEJG, LLC</u>	<u>Owner</u>	<u>321 Center Street, Hillside, IL 60162</u>

- (d) The name and address of all other persons, both natural and corporate, having a Substantial interest in the undersigned, and the nature of the interest are (if none, so state):

NAME	ADDRESS	NATURE OF INTEREST
<u>N/A</u>		
<u> </u>		
<u> </u>		
<u> </u>		

- (e) The names and addresses and trade classifications of all other building construction Contractors in which the undersigned has a substantial interest is (if none, so state):

NAME	ADDRESS	TRADE CLASSIFICATION
<u>N/A</u>		
<u> </u>		
<u> </u>		
<u> </u>		
<u> </u>		

Date 12/11/24



Builders Paving, LLC
CONTRACTOR

X [Signature]
SIGNATURE Steven Salinas, Vice President

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Date: _____

Project Number: _____

Project Name: _____

1. The undersigned, having executed a contract with _____
 _____ (Contractor)

_____ for _____

_____ Nature of Work
 _____ in the amount of \$ _____ in the construction of the
 Above-identified project, certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a Substantial interest is designed as an eligible contractor by the comptroller General of The United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
3. The workman will report for duty on _____
 _____ (Date)
4. He certifies that:

- (a) The legal name and the business address of the Undersigned are:

- (b) The undersigned is (check one):

_____ Sole Proprietorship

_____ Partnership

_____ Corporation

_____ Other Organization (Describe)

- (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME

TITLE

ADDRESS

_____ DATE

_____ SUBCONTRACTOR SIGNATURE

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

BuildersPaving, LLC
 4401 Roosevelt Road
 Hillside, IL 60162

Date: 12/11/24
 Project Number: 2411-10160
 Project Name: 2022 Pavement Rehabilitation
Program - North Corridors Package 3

1. The undersigned, having executed a contract with Builders Paving LLC
 (Contractor)
 _____ for Concrete Work
 _____ Nature of Work
 _____ in the amount of \$ 5,360,450.83 in the construction of the
 Above-identified project, certifies that:
 - (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a Substantial interest is designed as an eligible contractor by the comptroller General of The United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
3. The workman will report for duty on TBD
 (Date)
4. He certifies that:

- (a) The legal name and the business address of the Undersigned are: Acura Inc.
556 County Line Rd
Suite B
Bensenville, IL 60106
- (b) The undersigned is (check one):
 - ☐ Sole Proprietorship
 - ☐ Partnership
 - ☒ Corporation
 - ☐ Other Organization (Describe)
- (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Domenico DiGioia - President - 556 County Line Road, Suite B., Bensenville, IL. 60106</u>		

12/11/24
 DATE

Domenico DiGioia
 SUBCONTRACTOR SIGNATURE

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Builders Paving, LLC
 4401 Roosevelt Road
 Hillside, IL 60162

Date: 12/11/24
 Project Number: 2411-10160
 Project Name: 2022 Pavement Rehabilitation
Program - North Corridors Package 3

1. The undersigned, having executed a contract with Builders Paving, LLC
 (Contractor)
 _____ for Underground Sewer and Water Installation, Repair, and Cleaning
 _____ Nature of Work
 _____ in the amount of \$ 1,146,146.00 in the construction of the
 Above-identified project, certifies that:
 - (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a Substantial interest is designed as an eligible contractor by the comptroller General of The United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
3. The workman will report for duty on TBD
 (Date)
4. He certifies that:
 - (a) The legal name and the business address of the Undersigned are:
 Galaxy Underground, Inc. 1075 Morse Avenue, Schaumburg, IL 60193
 - (b) The undersigned is (check one):
 _____ Sole Proprietorship
 _____ Partnership
☒ Corporation
 _____ Other Organization (Describe)
 - (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Domenica Ruggieri	President	320 E Foster, Arlington Heights, IL 60005
Nicola Ruggieri	Vice President	434 Highview Avenue, Elmhurst, IL 60126

12/11/24
 DATE


 SUBCONTRACTOR SIGNATURE

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Builders Paving, LLC
 4401 Roosevelt Road
 Hillside, IL 60162

Date: 12/11/24
 Project Number: 2411-10160
 Project Name: 2022 Pavement Rehabilitation
Program - North Corridors Package 3

1. The undersigned, having executed a contract with Builders Paving, LLC
 (Contractor)
 for Pavment marking and traffic control
 Nature of Work
_____ in the amount of \$ 639,883.25 in the construction of the
 Above-identified project, certifies that:
 - (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a Substantial interest is designed as an eligible contractor by the comptroller General of The United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
3. The workman will report for duty on TBD
 (Date)
4. He certifies that:

(a) The legal name and the business address of the Undersigned are:

(b) The undersigned is (check one):

- ☐ Sole Proprietorship
☐ Partnership
☒ Corporation
☐ Other Organization (Describe)

(c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Julie Wrightsman	President	543 Woodbury Street South Elgin, IL 60177
Rachel Traficanti	Vice President	543 Woodbury Street South Elgin, IL 60177
Jeff Schuldt	Vice President	543 Woodbury Street South Elgin, IL 60177

12/11/24
 DATE

Julie A. Wrightsman
 SUBCONTRACTOR SIGNATURE

Maintenance Coatings Co..
 543 Woodbury St.
 South Elgin, IL 60177

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Builders Paving, LLC
 4401 Roosevelt Road
 Hillside, IL 60162

Date: 12/11/24
 Project Number: 2411-10160
 Project Name: 2022 Pavement Rehabilitation
Program - North Corridors Package 3

1. The undersigned, having executed a contract with Builders Paving, LLC
 _____ (Contractor)
 _____ for Landscaping
 _____ Nature of Work
 _____ in the amount of \$ 487,493.91 in the construction of the
 Above-identified project, certifies that:
- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a Substantial interest is designed as an eligible contractor by the comptroller General of The United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
3. The workman will report for duty on TBD
 _____ (Date)
4. He certifies that:

- (a) The legal name and the business address of the Undersigned are: Landscapes by Gary Weiss
9314 McConnell Road
Woodstock, IL 60098
- (b) The undersigned is (check one):
 _____ Sole Proprietorship
 _____ Partnership
X Corporation
 _____ Other Organization (Describe)
- (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Gary Weiss</u>	<u>President</u>	<u>9314 McConnell Road Woodstock, IL 60098</u>
<u>Debbie Weiss</u>	<u>Secretary</u>	<u>9314 McConnell Road Woodstock, IL 60098</u>

12/11/24
 DATE


 SUBCONTRACTOR SIGNATURE

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Builders Paving, LLC
 4401 Roosevelt Road
 Hillside, IL 60162

Date: 12/11/24
 Project Number: 2411-10160
 Project Name: 2022 Pavement Rehabilitation
Program - North Corridors Package 3

1. The undersigned, having executed a contract with Builders Paving, LLC
 (Contractor)
 _____ for pre-construction video
 Nature of Work
 _____ in the amount of \$ 18,995.00 in the construction of the
 Above-identified project, certifies that:
 - (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a Substantial interest is designed as an eligible contractor by the comptroller General of The United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
3. The workman will report for duty on TBD
 (Date)
4. He certifies that:

- (a) The legal name and the business address of the Undersigned are: Advanced video solutions Inc
615 Berkshire Ct.
Schaumburg, IL 60193
- (b) The undersigned is (check one):

☐ Sole Proprietorship
☐ Partnership
☒ Corporation
☐ Other Organization (Describe)

- (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Karen Kowalik</u>		<u>615 Berkshire Ct. Schaumburg, IL 60193</u>

12/11/24
 DATE


 SUBCONTRACTOR SIGNATURE

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Builders Paving, LLC
 4401 Roosevelt Road
 Hillside, IL 60162

Date: 12/11/24
 Project Number: 2411-10160
 Project Name: 2022 Pavement Rehabilitation
Program - North Corridors Package 3

1. The undersigned, having executed a contract with Builders Paving, LLC
 (Contractor)
 _____ for Environmental
 Nature of Work
 _____ in the amount of \$ 128,900.00 in the construction of the
 Above-identified project, certifies that:
 - (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a Substantial interest is designed as an eligible contractor by the comptroller General of The United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
3. The workman will report for duty on TBD
 (Date)
4. He certifies that:
 - (a) The legal name and the business address of the Undersigned are: D&R Environmental
4044 N. Lincoln Ave
137
Chicago, IL 60618
 - (b) The undersigned is (check one):

☐ Sole Proprietorship
☐ Partnership
☒ Corporation
☐ Other Organization (Describe)
 - (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Brenda Peterson</u>		<u>4044 N. Lincoln Ave, Chicago, IL</u> <u>60618</u>

12/11/24
 DATE

[Signature]
 SUBCONTRACTOR SIGNATURE

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Builders Paving, LLC
 4401 Roosevelt Road
 Hillside, IL 60162

Date: 12/11/24
 Project Number: 2411-10160
 Project Name: 2022 Pavement Rehabilitation
Program - North Corridors Package 3

1. The undersigned, having executed a contract with Builders Paving, LLC
 (Contractor)
 _____ for Electric
 Nature of Work
 _____ in the amount of \$ 2,105,1034.70 in the construction of the
 Above-identified project, certifies that:
 - (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a Substantial interest is designed as an eligible contractor by the comptroller General of The United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
3. The workman will report for duty on TBD
 (Date)
4. He certifies that:

- (a) The legal name and the business address of the Undersigned are: Howe Towne Electric, Inc
- (b) The undersigned is (check one):

PO Box 863
LAKE VILLA, IL 60046

☐ Sole Proprietorship
☐ Partnership
☒ Corporation
☐ Other Organization (Describe)
- (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Dan Green</u>		<u>P.O. Box 863, Lake Villa, IL 60046</u>

12/11/24
 DATE


 SUBCONTRACTOR SIGNATURE

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Builders Paving, LLC
 4401 Roosevelt Road
 Hillside, IL 60162

Date: 12/11/24
 Project Number: 24 11-10160
 Project Name: 2022 Pavement Rehabilitation
Program - North Corridors Package 3

1. The undersigned, having executed a contract with Builders Paving, LLC
 (Contractor)
long joint sealant
 for long joint sealant
 Nature of Work
259,301.84
 in the amount of \$ 259,301.84 in the construction of the
 Above-identified project, certifies that:
 - (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a Substantial interest is designed as an eligible contractor by the comptroller General of The United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
3. The workman will report for duty on TBD
 (Date)
4. He certifies that:
 - (a) The legal name and the business address of the Undersigned are: Evergreen Roadworks
 - (b) The undersigned is (check one):

☐ Sole Proprietorship
☐ Partnership
☒ Corporation
☐ Other Organization (Describe)

1370 Bungalow Rd
Morris, IL 60450
 - (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Randy Miller</u>		<u>1370 Bungalow Rd, Morris, IL 60450</u>

12/11/24
 DATE

[Signature]
 SUBCONTRACTOR SIGNATURE

**COUNTY OF COOK OFFICE OF CONTRACT COMPLIANCE AFFIDAVIT OF JOINT VENTURE
(MBE/WBE)**

CONTRACT TITLE: _____

CONTRACT NUMBER: _____

I. Name of Joint Venture:

Address of Joint Venture:

_____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Information:

Phone Number: () _____

Fax Number: () _____

E-Mail Address: _____ @ _____

II. Identify each (Non) MBE/WBE Joint Venture Partner(s):

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: () _____

E-Mail Address: _____ @ _____

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: () _____

E-Mail Address: _____ @ _____

III. Identify each MBE Joint Venture Partner(s)

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: (____) _____

E-Mail Address: _____@_____

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: (____) _____

E-Mail Address: _____@_____

Identify each WBE Joint Venture Partner(s)

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: (____) _____

E-Mail Address: _____@_____

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: (____) _____

E-Mail Address: _____@_____

**IV. Describe the role(s) of each MBE and/or WBE Joint Venture Partner(s) in this Joint Venture:
(condense)**

<u>MBE/WBE Firm Name:</u>	<u>Role in Joint Venture:</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

V. Attach a copy of the Joint Venture Agreement:

The Joint Venture Agreement should detail share of ownership, control, management, risk and profit for each partner, and at a minimum contain specific details as following:

- (1) The contributions of capital and equipment;
- (2) Work items to be performed by the MBE/WBE's own forces;
- (3) Work items to be performed under the supervision of the MBE/WBE Joint Venture Partners;
- (4) The commitment of management, supervisory and operative personnel employed by the MBE/WBE Joint Venture Partners to be dedicated to the performance of the project.

VI. Ownership of the Joint Venture

- (a). What are the Name(s), Percentages(s) of ownership and capital contribution for each (NON) MBE/WBE Joint Venture Partner?

Name of (NON) MBE/WBE: _____

(NON) MBE/WBE Ownership Percentage: _____ %

Capital Contribution: _____

Name of (NON) MBE/WBE: _____

(NON) MBE/WBE Ownership Percentage: _____ %

Total (NON) MBE/WBE Ownership Percentage: _____ %

- (b). What are the Name(s) and Percentages(s) of ownership for each MBE Joint Venture Partner?

Name of MBE: _____

MBE Ownership Percentage: _____ %

Name of MBE: _____

MBE Ownership Percentage: _____ %

Total MBE Ownership Percentage: _____ %

- (c). What are the Name(s) and Percentages(s) of ownership for each WBE Joint Venture Partner?

Name of WBE: _____

WBE Ownership Percentage: _____ %

Name of WBE: _____

WBE Ownership Percentage: _____ %

Total WBE Ownership Percentage: _____ %

- (d). Total Percentage of MBE/WBE Ownership in the Joint Venture: _____ %

VII.

Capital Contributions – Dollar amounts of Initial Contributions to be detailed as follows:

- (a) Names of (NON) MBE/WBE Joint Venture Partner(s) and Dollar Amounts of Initial Contribution:

_____ \$ _____

_____ \$ _____

Total Dollar Amount of Initial Contributions by (NON) MBE/WBE Joint Venture Partner(s)

\$ _____

- (b) Names of MBE/WBE Joint Venture Partner(s) and Dollar Amounts of Initial Contribution:

_____ \$ _____

_____ \$ _____

Total Dollar Amount of Initial Contribution by MBE/WBE Joint Venture Partner(s)

\$ _____

On-Going Capital Contributions during the course of this Contract must be made by each Joint Venture Partner and be based on their percentage of ownership in this Joint Venture.

VIII. Contributions of Equipment and Supplies (Identify the types of Equipment and/or Supplies to be provided by each Joint Venture Partner:

Name of (Non) MBE/WBE Firm: _____

Types of Equipment/Supplies: _____

Name of (Non) MBE/WBE Firm: _____

Type of Equipment/Supplies: _____

Name of MBE/WBE Firm: _____

Type of Equipment/Supplies: _____

Name of MBE/WBE Firm: _____

Type of Equipment/Supplies: _____

IX. Written Agreements: (put at the end of this affidavit before you swear)

Please attach to this Joint Venture Affidavit ALL written agreements between any and all of the Joint Venture Partners concerning this Contract.

All Joint Venture Partners signing onto this agreement do so with the understanding that any written agreements between any and all of the Joint Venture Partners must not limit or in any way restrict the Ownership and/or Control of any MBE/WBE Joint Venture Partner.

All Joint Venture Partners signing onto this agreement do also understand and agree that that should the language of any written agreements between any and all of the Joint Venture Partners concerning this Contract be in conflict with this affidavit, that this COUNTY OF COOK AFFIDAVIT OF JOINT VENTURE (MBE/WBE) will be the Prevailing Document.

X. Control of and Participation in the Joint Venture:

Identify by name and firm those individuals who are, or will be, responsible for and have the Authority to engage in the following management functions and policy decisions. (Indicate any limitations to their authority such as dollar limits and co-signing requirements)

- (a) Authority to enter into contracts on behalf of the Joint Venture:

Firm Name:

Individual Name/Title

- (b) Joint Venture check signing:

Firm Name:

Individual Name/Title

- (c) Signing, co-signing or collateralizing loans and/or acquisition of Lines of Credit:

Firm Name:

Individual Name/Title

- (d) Acquisition and indemnification of payment and performance bonds and all insurance requirements:

Firm Name:

Individual Name/Title

- (e) Negotiating and signing labor agreements:

Firm Name:

Individual Name/Title

- (f) Management of Contract Performance in the following areas:

1. Supervision of Field Operations:

Firm Name:

Individual Name/Title

2. Major Purchases

Firm Name:

Individual Name/Title

3. Estimating

Firm Name:Individual Name/Title

4. Engineering

Firm Name:Individual Name/TitleXI. Financial Controls of Joint Venture:

- (a) Which firm will be responsible for bookkeeping/accounting of the financial records of the Joint Venture:

Firm Name:Individual Name/Title

- (b) Identify the "Managing Partner", if any and indicate the dollar amount of compensation, if any, the firm/individual(s) will receive from the Joint Venture:

Dollar amount of compensation: \$ _____

XII. State the approximate number of employees working on this joint venture project (by Trade) and indicate whether they will be employees of the (NON) MBE/WBE firm(s), MBE/WBE firm(s) or Joint Venture:

Trade	(Non) MBE/WBE (Number)	MBE/WBE (Number)	Joint Venture (Name)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

The undersigned affirms that the foregoing statements are true and correct and include all material information necessary to identify and explain the terms and operations of our Joint Venture and the intended participation of each Joint Venture Partner in the undertaking. Further, the undersigned covenant and agree to provide to the County current, complete and accurate information regarding actual Joint Venture work and the payment therefore and any proposed changes in any provisions of the Joint Venture Agreement and to permit the audit and

examination of the books, records and files of the Joint Venture, or those of each Joint Venture Partner relevant to the Joint Venture by authorized representatives of the County or the Federal funding agency.

Any material misrepresentation will be grounds for terminating any Contract which may be awarded and for initiating action under federal or state laws concerning false statements.

Note If after filing this Affidavit and before completion on the Joint Venture work on the project, there is any change in the information submitted, the Joint Venture must inform the Director of the Office of Contract Compliance of the County of Cook within ten business days of any such change.

Name of MBE/WBE Partner Firm

Name of (NON) MBE/WBE Partner Firm

Name and Title of Affiant

Name and Title of Affiant

Signature of Affiant

Signature of Affiant

On this _____ day of _____, 20____, the above signed officers

(Names of Affiants)

personally appeared and known to me to be the persons described in the foregoing Affidavit, acknowledged that they executed the same in the capacity therein stated and for the purpose therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Signature of Notary Public

My Commission Expires: _____ / _____ / _____

**COUNTY OF COOK OFFICE OF CONTRACT COMPLIANCE AFFIDAVIT OF JOINT VENTURE
(MBE/WBE)**

CONTRACT TITLE: _____

CONTRACT NUMBER: _____

I. Name of Joint Venture:

Address of Joint Venture:

_____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Information:

Phone Number: () _____

Fax Number: () _____

E-Mail Address: _____ @ _____

II. Identify each (Non) MBE/WBE Joint Venture Partner(s):

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: () _____

E-Mail Address: _____ @ _____

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: () _____

E-Mail Address: _____ @ _____

III. Identify each MBE Joint Venture Partner(s)

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: (_____) _____

E-Mail Address: _____ @ _____

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: (_____) _____

E-Mail Address: _____ @ _____

Identify each WBE Joint Venture Partner(s)

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: (_____) _____

E-Mail Address: _____ @ _____

Firm Name: _____

Address: _____ City: _____

County: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Phone Number: (_____) _____

E-Mail Address: _____ @ _____

**IV. Describe the role(s) of each MBE and/or WBE Joint Venture Partner(s) in this Joint Venture:
(condense)**

<u>MBE/WBE Firm Name:</u>	<u>Role in Joint Venture:</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

V. Attach a copy of the Joint Venture Agreement:

The Joint Venture Agreement should detail share of ownership, control, management, risk and profit for each partner, and at a minimum contain specific details as following:

- (1) The contributions of capital and equipment;
- (2) Work items to be performed by the MBE/WBE's own forces;
- (3) Work items to be performed under the supervision of the MBE/WBE Joint Venture Partners;
- (4) The commitment of management, supervisory and operative personnel employed by the MBE/WBE Joint Venture Partners to be dedicated to the performance of the project.

VI. Ownership of the Joint Venture

- (a). What are the Name(s), Percentages(s) of ownership and capital contribution for each (NON) MBE/WBE Joint Venture Partner?

Name of (NON) MBE/WBE: _____

(NON) MBE/WBE Ownership Percentage: _____ %

Capital Contribution: _____

Name of (NON) MBE/WBE: _____

(NON) MBE/WBE Ownership Percentage: _____ %

Total (NON) MBE/WBE Ownership Percentage: _____ %

- (b). What are the Name(s) and Percentages(s) of ownership for each MBE Joint Venture Partner?

Name of MBE: _____

MBE Ownership Percentage: _____ %

Name of MBE: _____

MBE Ownership Percentage: _____ %

Total MBE Ownership Percentage: _____ %

- (c). What are the Name(s) and Percentages(s) of ownership for each WBE Joint Venture Partner?

Name of WBE: _____

WBE Ownership Percentage: _____ %

Name of WBE: _____

WBE Ownership Percentage: _____ %

Total WBE Ownership Percentage: _____ %

- (d). Total Percentage of MBE/WBE Ownership in the Joint Venture: _____ %

VII.

Capital Contributions – Dollar amounts of Initial Contributions to be detailed as follows:

- (a) Names of (NON) MBE/WBE Joint Venture Partner(s) and Dollar Amounts of Initial Contribution:

_____ \$ _____

_____ \$ _____

Total Dollar Amount of Initial Contributions by (NON) MBE/WBE Joint Venture Partner(s)

\$ _____

- (b) Names of MBE/WBE Joint Venture Partner(s) and Dollar Amounts of Initial Contribution:

_____ \$ _____

_____ \$ _____

Total Dollar Amount of Initial Contribution by MBE/WBE Joint Venture Partner(s)

\$ _____

On-Going Capital Contributions during the course of this Contract must be made by each Joint Venture Partner and be based on their percentage of ownership in this Joint Venture.

VIII. Contributions of Equipment and Supplies (Identify the types of Equipment and/or Supplies to be provided by each Joint Venture Partner:

Name of (Non) MBE/WBE Firm: _____

Types of Equipment/Supplies: _____

Name of (Non) MBE/WBE Firm: _____

Type of Equipment/Supplies: _____

Name of MBE/WBE Firm: _____

Type of Equipment/Supplies: _____

Name of MBE/WBE Firm: _____

Type of Equipment/Supplies: _____

IX. Written Agreements: (put at the end of this affidavit before you swear)

Please attach to this Joint Venture Affidavit ALL written agreements between any and all of the Joint Venture Partners concerning this Contract.

All Joint Venture Partners signing onto this agreement do so with the understanding that any written agreements between any and all of the Joint Venture Partners must not limit or in any way restrict the Ownership and/or Control of any MBE/WBE Joint Venture Partner.

All Joint Venture Partners signing onto this agreement do also understand and agree that that should the language of any written agreements between any and all of the Joint Venture Partners concerning this Contract be in conflict with this affidavit, that this COUNTY OF COOK AFFIDAVIT OF JOINT VENTURE (MBE/WBE) will be the Prevailing Document.

X. Control of and Participation in the Joint Venture:

Identify by name and firm those individuals who are, or will be, responsible for and have the Authority to engage in the following management functions and policy decisions. (Indicate any limitations to their authority such as dollar limits and co-signing requirements)

- (a) Authority to enter into contracts on behalf of the Joint Venture:

Firm Name:

Individual Name/Title

- (b) Joint Venture check signing:

Firm Name:

Individual Name/Title

- (c) Signing, co-signing or collateralizing loans and/or acquisition of Lines of Credit:

Firm Name:

Individual Name/Title

- (d) Acquisition and indemnification of payment and performance bonds and all insurance requirements:

Firm Name:

Individual Name/Title

- (e) Negotiating and signing labor agreements:

Firm Name:

Individual Name/Title

- (f) Management of Contract Performance in the following areas:

1. Supervision of Field Operations:

Firm Name:

Individual Name/Title

2. Major Purchases

Firm Name:

Individual Name/Title

3. Estimating

Firm Name:

Individual Name/Title

4. Engineering

Firm Name:

Individual Name/Title

XI. Financial Controls of Joint Venture:

- (a) Which firm will be responsible for bookkeeping/accounting of the financial records of the Joint Venture:

Firm Name:

Individual Name/Title

- (b) Identify the "Managing Partner", if any and indicate the dollar amount of compensation, if any, the firm/individual(s) will receive from the Joint Venture:

Dollar amount of compensation: \$ _____

XII. State the approximate number of employees working on this joint venture project (by Trade) and indicate whether they will be employees of the (NON) MBE/WBE firm(s), MBE/WBE firm(s) or Joint Venture:

Trade	(Non) MBE/WBE (Number)	MBE/WBE (Number)	Joint Venture (Name)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

The undersigned affirms that the foregoing statements are true and correct and include all material information necessary to identify and explain the terms and operations of our Joint Venture and the intended participation of each Joint Venture Partner in the undertaking. Further, the undersigned covenant and agree to provide to the County current, complete and accurate information regarding actual Joint Venture work and the payment therefore and any proposed changes in any provisions of the Joint Venture Agreement and to permit the audit and

examination of the books, records and files of the Joint Venture, or those of each Joint Venture Partner relevant to the Joint Venture by authorized representatives of the County or the Federal funding agency.

Any material misrepresentation will be grounds for terminating any Contract which may be awarded and for initiating action under federal or state laws concerning false statements.

Note If after filing this Affidavit and before completion on the Joint Venture work on the project, there is any change in the information submitted, the Joint Venture must inform the Director of the Office of Contract Compliance of the County of Cook within ten business days of any such change.

Name of MBE/WBE Partner Firm

Name of (NON) MBE/WBE Partner Firm

Name and Title of Affiant

Name and Title of Affiant

Signature of Affiant

Signature of Affiant

On this _____ day of _____, 20____, the above signed officers

(Names of Affiants)

personally appeared and known to me to be the persons described in the foregoing Affidavit, acknowledged that they executed the same in the capacity therein stated and for the purpose therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Signature of Notary Public

My Commission Expires: _____ / _____ / _____



COOK COUNTY
OFFICE OF THE
Chief Procurement
Officer

161 N. Clark
Suite 2300
Chicago, Illinois 60601

Date: January 14, 2025

TO: Raffi Sarrafian, Chief Procurement Officer
Office of the Chief Procurement Officer

FROM: JEANETTA CARDINE
Jeanetta Cardine, Deputy Director
Compliance Center of Excellence
Center of Business Enterprise Development

RE: Contract No. 2411-10160
2022 Pavement Rehabilitation Program – North Corridor Package 3
Department of Transportation and Highways
Competitive Bid: Construction
Contractor: Builders Paving, LLC
Original Contract Value: \$22,188,808.00
Original Contract Term: 2/20/2025 – 12/29/2028
Participation Goal: 24% MBE and 10% WBE

The Center of Business Enterprise Development is in receipt of the above-referenced contract and has reviewed this contract for compliance with the Minority- and Women- owned Business Enterprises (MBE/WBE) Ordinance. After careful review of our records as reported by the vendor, it has been determined the vendor is in compliance with the MBE/WBE Ordinance.

Utilization Plan – Original Award (Based on contract value of \$58,419,018.10)

<u>MBE/WBE</u>	<u>Status</u>	<u>Certifying Agency</u>	<u>Commitment (Direct)</u>
Galaxy Underground, Inc.	WBE-C-F	Cook County	5.17% \$1,146,146.00
Wrangler Tech, LLC*	WBE-C-F	City of Chicago	0.61% \$134,796.00**
Material Service Testing *	MBE-AAPI-M	City of Chicago	0.16% \$35,000.00
The Sivi Group LLC	WBE-C-F	City of Chicago	1.80% \$400,000.00
Maintenance Coating Co	WBE-C-F	City of Chicago	2.88% \$639,883.25
Acura, Inc.	MBE-HA-M	City of Chicago	24.16% \$5,360,456.88

Total: 24.32% MBE 10.46% WBE

*Second tier sub to Home Towne Electric

**Value shown reflects the WBE credit after 60% is applied as Wrangler Tech is only a material supplier and does not receive 100% credit.



COOK COUNTY
OFFICE OF THE
Chief Procurement
Officer

Wrangler Tech, LLC and Material Service Testing are second tier subcontractors to non-MWBE, first tier subcontractor, Home Town Electric, Inc, Revised MBE/WBE forms were used in the determination of the responsiveness of this contract award.

JC/db/mk

CC: Kimberlei Aaron, (OCPO)
Elaine McLaughlin (DOTH)
Nathan Roseberry (DOTH)

Builders Paving, LLC

**2022 Pavement Rehabilitation Program –
North Corridors Package 3**

MBE/WBE Utilization Plan

MBE/WBE UTILIZATION PLAN – FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by either Cook County or with the City of Chicago.

I. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)

_____ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current letter of Certification)

_____ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs (if so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture and a completed Joint Venture Affidavit-available online at www.cookcountyil.gov/contract/compliance)

☒ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but Will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (if so, complete Sections II below and the Letter(s) of Intent – Form 2).

II. ☒ Direct Participation of MBE/WBE Firms☐ Indirect Participation of MBE/WBE Firms

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only After written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following

MBE/WBE Firm: Acura, Inc.

Address: 556 County Line Road, Suite B, Bensenville, IL 60106

E-mail: nico@acurainc.com

Contact Person: Domenico DiGioia

Dollar Amount Participation: \$5,360,456.88

Percent Amount of Participation: 24.16 %

*Letter of Intent attached? Yes ☒ No _____

*Current Letter of Certification attached? Yes ☒ No _____

Attach additional sheets as needed

*Letter(s) of intent and current Letters of Certification must be submitted at the time of bid.

MBE/WBE LETTER OF INTENT – FORM 2M/WBE Firm: Acura, Inc.Certifying Agency: City of ChicagoContract Person: Domenico DiGi oiaCertification Expiration Date: 31 2025Address: 556 County Line Road, Suite BEthnicity: HispanicCity/State: Bensenville, IL Zip: 60106Bid/Proposal/Contract #: 2411-10160Phone: (630) 766-9979 x 1001 Fax: (630) 766-6826FEIN #: 32-3916301

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

☒ No ☐ Yes - Please attach explanation. Proposed Subcontractor(s): _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above-named Project/Contract: (if more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

NAICS Code 237310 Highway, Road and Street Construction

Indicate the Dollar Amount, Percentage, and the Terms of Payment for the above-described Commodities/Services:

\$5,360,456.63 + 100% NET-30
24-16%

THE UNDERSIGNED PARTIES AGREE that this letter of intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. The undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Signature (M/WBE)

Domenico DiGi oia

Print Name

Acura, Inc.

Firm Name

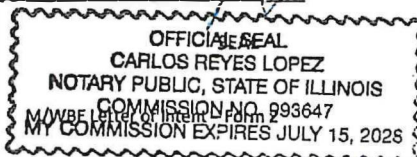
12/10/2024

Date

Subscribed and sworn before me

this 10th day of December, 2024.

Notary Public



Signature (Prime Bidder/Proposer)

JOE MICHAEL

Print Name

BUZZERS PAVANI, LLC

Firm Name

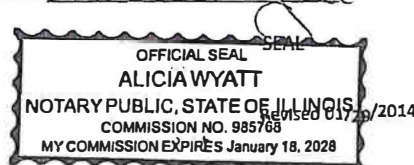
12/11/2024

Date

Subscribed and sworn before me

this 11th day of DECEMBER, 2024.

Notary Public



Certified ProfileCLOSE WINDOW [Print](#)**Business & Contact Information**

BUSINESS NAME	Acura Inc.
OWNER	Mr. Domenico DiGioia
ADDRESS	556 County Line Rd. Suite B. Bensenville, IL 60106 [map]
PHONE	630-766-9979 Ext. 1001
FAX	630-766-6826
EMAIL	nico@acurainc.com
WEBSITE	http://www.acurainc.com
ETHNICITY	Hispanic/Latino

Certification Information

CERTIFYING AGENCY	City of Chicago
CERTIFICATION TYPE	MBE - Minority Business Enterprise
CERTIFICATION DATE	1/16/2024
RENEWAL DATE	3/15/2025
EXPIRATION DATE	3/15/2025
CERTIFIED BUSINESS DESCRIPTION	Certified MBE for NAICS Code(s): 237110 – Water and Sewer Line and Related Structures Construction 237310 – Highway, Road and Street Construction 237990 – Drainage Project Construction 327320 – Ready-Mix Concrete Manufacturing and Distributing 327331 – Concrete Block and Brick Manufacturing 484110 – General Freight Trucking 484220 – Dump Trucking (e.g., gravel, sand, top-soil) 484220 – Flatbed Trucking, Local 484220 – Specialized Freight (except used goods), Trucking, Local 561730 – Snow Plowing Services Combined with Landscaping Services (i.e. Seasonal property maintenance) 561790 – Snow Plowing Driveways and Parking Lots (i.e., not combined with any other service)

Commodity Codes

Code	Description
NAICS 237110	Water and Sewer Line and Related Structures Construction
NAICS 237310	Highway, Street, and Bridge Construction
NAICS 237990	Drainage project construction
NAICS 238110	Concrete finishing (Graduated effective 4/16/2018)
NAICS 238110	Concrete pouring (Graduated effective 4/16/2018)
NAICS 238110	Concrete repair (Graduated effective 4/16/2018)
NAICS 238110	Concrete resurfacing (Graduated effective 4/16/2018)
NAICS 238110	Footing and foundation concrete contractors (Graduated effective 4/16/2018)
NAICS 238120	Concrete reinforcement placement (Graduated effective 4/16/2018)
NAICS 238120	Placing and tying reinforcing rod at a construction site (Graduated effective 4/16/2018)
NAICS 238120	Precast concrete panel, slab, or form installation (Graduated effective 4/16/2018)
NAICS 238120	Reinforcing rod, bar, mesh and cage installation (Graduated effective 4/16/2018)
NAICS 238910	Concrete breaking and cutting for demolition (Graduated effective 4/16/2018)
NAICS 238910	Demolition contractor (Graduated effective 4/16/2018)
NAICS 238910	Demolition, building and structure (Graduated effective 4/16/2018)
NAICS 238990	Concrete sawing and drilling (except demolition) (Graduated effective 4/16/2018)
NAICS 327320	Ready-Mix Concrete Manufacturing
NAICS 327331	Concrete Block and Brick Manufacturing
NAICS 484110	General freight trucking, local
NAICS 484220	Dump trucking (e.g., gravel, sand, top-soil)
NAICS 484220	Flatbed trucking, local
NAICS 484220	Specialized Freight (except Used Goods) Trucking, Local
NAICS 561730	Snow plowing services combined with landscaping services (i.e., seasonal property maintenance services)

NAICS 561790

Snow plowing driveways and parking lots (i.e., not combined with any other service)

Additional Information

WARD	N/A
COMMUNITY AREA	N/A
QUALIFIED INVESTMENT AREA	N/A

This profile was generated on 12/2/2024

MBE/WBE UTILIZATION PLAN – FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by either Cook County or with the City of Chicago.

I. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)

☐ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current letter of Certification)

☐ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs (if so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture and a completed Joint Venture Affidavit-available online at www.cookcountyil.gov/contract/compliance)

☒ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but Will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (if so, complete Sections II below and the Letter(s) of Intent – Form 2).

II. ☒ Direct Participation of MBE/WBE Firms ☐ Indirect Participation of MBE/WBE Firms

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only After written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following

MBE/WBE Firm: Galaxy Underground, Inc.

Address: 1075 Morse Avenue Schaumburg, IL 60193

E-mail: info@galaxyunderground.com

Contact Person: Domenica Ruggieri

Dollar Amount Participation: \$1,146,146.00

Percent Amount of Participation: 5.17%

*Letter of Intent attached? Yes ☒ No ☐

*Current Letter of Certification attached? Yes ☒ No ☐

Attach additional sheets as needed

*Letter(s) of intent and current Letters of Certification must be submitted at the time of bid.

MBE/WBE LETTER OF INTENT – FORM 2

M/WBE Firm: Galaxy Underground, Inc. Certifying Agency: Cook County
 Contract Person: Domenica Ruggieri Certification Expiration Date: 4/27/25
 Address: 1075 Morse Avenue Ethnicity: Caucasian
 City/State: Schaumburg, IL Zip: 60193 Bid/Proposal/Contract #: 2411-10160
 Phone: 847.455.8522 Fax: 847.455.8533 FEIN #: 36-3483145

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

☒ No ☐ Yes - Please attach explanation. Proposed Subcontractor(s): _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above-named Project/Contract: *(if more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)*

Underground Sewer and Water Installation, Repair, and Cleaning

Indicate the Dollar Amount, Percentage, and the Terms of Payment for the above-described Commodities/Services:
\$1,146,146.00 100% Net-30

5.17%

JM

THE UNDERSIGNED PARTIES AGREE that this letter of intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statues required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. The undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

[Signature]
 Signature (M/WBE)

Domenica Ruggieri

Print Name

Galaxy Underground, Inc.

Firm Name

12/10/24

Date

Subscribed and sworn before me

this 10th day of December, 20 24.

Notary Public

Kelly M. Hamblin

SEAL



M/WBE Letter of Intent – Form 2

[Signature]
 Signature (Prime Bidder/Proposer)

JOE MICHAEL

Print Name

BUSINESS PARTNERS, LLC

Firm Name

12/11/2024

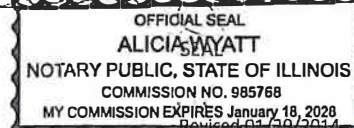
Date

Subscribed and sworn before me

this 11th day of Dec., 20 24.

Notary Public

Alicia Wyatt





TONI PRECKWINKLE

PRESIDENT
Cook County Board
of Commissioners

TARA STAMPS
1st District

DENNIS DEER
2nd District

BILL LOWRY
3rd District

STANLEY MOORE
4th District

MONICA GORDON
5th District

DONNA MILLER
6th District

ALMA E. ANAYA
7th District

ANTHONY QUEZADA
8th District

MAGGIE TREVOR
9th District

BRIDGET GAINER
10th District

JOHN P. DALEY
11th District

BRIDGET DEGNEN
12th District

JOSINA MORITA
13th District

SCOTT R. BRITTON
14th District

KEVIN B. MORRISON
15th District

FRANK AGUILAR
16th District

SEAN M. MORRISON
17th District

OFFICE OF CONTRACT COMPLIANCE

NICOLE MANDEVILLE

DIRECTOR

161 N. Clark Street, 23rd Floor • Chicago, Illinois 60601 • (312) 603-5502

June 28, 2024

Domenica Ruggieri, President
Galaxy Underground Inc.
1075 Morse Avenue
Schaumburg, IL 60193

Annual Certification Renewal: April 27, 2025

Dear Ms. Ruggieri:

Congratulations on your continued eligibility for Certification as a **Women-owned Business Enterprise ("WBE")** by Cook County Government.

As a condition of continued Certification, you must file a **No Change Affidavit** within ninety (90) calendar days prior to the date of the annual renewal, **April 27th**. Failure to file this affidavit may result in the termination of your Certification. In addition, you must notify Cook County's Office of Contract Compliance of any change in ownership or control or any other matters or facts affecting your firm's eligibility for Certification within **ten (10) calendar days** of such change.

Cook County Government may commence action to remove your firm as a certified vendor if you fail to notify us of any changes of facts affecting your firm's Certification, or if your firm otherwise fails to cooperate with the County in any inquiry or investigation. Removal of your status may also be commenced if your firm is found to be involved in bidding or contractual irregularities.

Your firm's name will be listed in Cook County's Directory of certified firms in the following area(s) of specialty:

NAICS CODES:

237110 – Water and Sewer Line and Related Structures Construction

237990 – Drainage Project Construction

238220 – Plumbing, Heating, and Air-Conditioning Contractors

562998 – Catch Basin Cleaning Services

Your firm's participation on Cook County contracts will be credited toward **WBE** goals in your area(s) of specialty. While your participation on Cook County contracts is not limited to your specialty, credit toward **WBE** goals will be given only for work done in the specialty category.

Thank you for your continued interest in Cook County Government's Minority, Women, Veteran, Service-Disabled Veteran, and Persons with Disabilities Business Enterprise Programs.

Sincerely,

Desiree M. Otkins

Desiree M. Otkins, EMBA
Deputy Director, Contract Compliance

DMO/lar

MBE/WBE UTILIZATION PLAN – FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by either Cook County or with the City of Chicago.

I. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)

☐ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current letter of Certification)

☐ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs (if so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture and a completed Joint Venture Affidavit-available online at www.cookcountyil.gov/contract/compliance)

☒ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but Will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (if so, complete Sections II below and the Letter(s) of Intent – Form 2).

II. ☐ Direct Participation of MBE/WBE Firms

☒ Indirect Participation of MBE/WBE Firms

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only After written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following

MBE/WBE Firm: WRANGLER TECH

Address: 9000 67TH STREET, HODGKINS, IL 60525

E-mail: SCASSIDY@WRANGLERTECH.NET

Contact Person: JUSIE CASSIDY

Dollar Amount Participation: \$131,796.00

Percent Amount of Participation: 0.607%

*Letter of Intent attached? Yes ☒ No ☐

*Current Letter of Certification attached? Yes ☒ No ☐

Attach additional sheets as needed

*Letter(s) of intent and current Letters of Certification must be submitted at the time of bid.

Jim

DBE LETTER OF INTENT - FORM 2

DBE Firm: Wrangler Tech Certifying Agency: Cook County
 Contact Person: Susie Cassidy Certification Expiration Date: 1/15/2025
 Address: 9000 67th Street Ethnicity: Caucasian
 City/State: Hodgkins, IL Zip: 60525 Bid/Proposal/Contract #: _____
 Phone: 312-301-7254 Fax: _____ FEIN #: 81-1781090
 Email: scassidy@wranglertech.net

Participation: ☐ Direct ☒ Indirect

Will the DBE firm be subcontracting any of the goods or services of this contract to another firm?

☒ No ☐ Yes – Please attach explanation. Proposed Subcontractor(s): _____

The undersigned DBE is prepared to provide the following Commodities/Services for the above named Project/ Contract: *(If more space is needed to fully describe DBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)*

TRAFFIC SIGNAL MAST ARMS

Indicate the Dollar Amount, Percentage, and the Terms of Payment for the above-described Commodities/ Services:

0-607%
 Terms of Payment: Net 60 days A \$134,796.00

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a DBE firm for the above work. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Susie Cassidy
 Signature (DBE)

Joe Michael
 Signature (Prime Bidder/Proposer)

Susie Cassidy
 Print Name

JOE MICHAEL
 Print Name

Wrangler Tech, LLC
 Firm Name

BUILDERS PARTNERS, LLC
 Firm Name

12/10/2024
 Date

12/10/2024
 Date

Subscribed and sworn before me

Subscribed and sworn before me

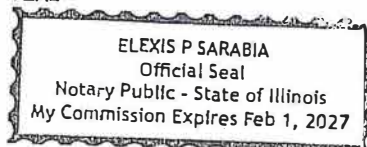
this 10 day of December, 2024.

this 11 day of DEC., 2024.

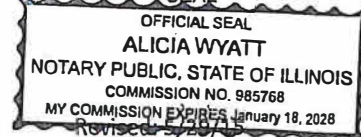
Notary Public Elexis P Sarabia

Notary Public Alicia Wyatt

SEAL



SEAL



DBE MATERIAL**VENDOR:****WRANGLER TECH****Project:** 2022 Pavement Rehab Program - Various Locations**Contract #****Section #****22-PRPN1-00-PV****Estimate #:** R9112**Bid Date:** 12/11/2024**CONTACT:** DAN GREEN**PHONE #:** 847-223-2800**FAX #:** 847-223-7577

Pay Item	DBE Supplier	Description	Unit	Quantity	DBE UNIT PRICE	DBE TOTAL
CCDOTH249A030	WRANGLER TECH	S MAA & P 24	EACH	1.00	6,600.00	6,600.00
CCDOTH249A035	WRANGLER TECH	S MAA & P 26	EACH	4.00	7,782.00	31,128.00
CCDOTH249A040	WRANGLER TECH	S MAA & P 28	EACH	5.00	8,091.00	40,455.00
CCDOTH249A045	WRANGLER TECH	S MAA & P 30	EACH	1.00	8,082.00	8,082.00
CCDOTH249A050	WRANGLER TECH	S MAA & P 32	EACH	1.00	8,597.00	8,597.00
CCDOTH249A055	WRANGLER TECH	S MAA & P 34	EACH	2.00	8,669.00	17,338.00
CCDOTH249A075	WRANGLER TECH	S MAA & P 42	EACH	1.00	10,600.00	10,600.00
CCDOTH249A080	WRANGLER TECH	S MAA & P 44	EACH	1.00	10,665.00	10,665.00
CCDOTH249C025	WRANGLER TECH	STL COMB MAA&P 26	EACH	1.00	11,434.00	11,434.00
CCDOTH249C030	WRANGLER TECH	STL COMB MAA&P 28	EACH	1.00	11,405.00	11,405.00
CCDOTH249C045	WRANGLER TECH	STL COMB MAA&P 34	EACH	2.00	12,321.00	24,642.00
CCDOTH249C050	WRANGLER TECH	STL COMB MAA&P 36	EACH	1.00	13,538.00	13,538.00
CCDOTH249C065	WRANGLER TECH	STL COMB MAA&P 42	EACH	1.00	14,495.00	14,495.00
CCDOTH249C080	WRANGLER TECH	STL COMB MAA&P 46	EACH	1.00	15,681.00	15,681.00

TOTAL:	224,660.00
DBE CREDIT AT 60%	134,796.00

July 1, 2024

Danene McMahon
Wrangler Tech, LLC
9000 West 67th Street
Hodgkins, IL 60525

Annual Certification Renewal: July 1, 2025

Dear Ms. McMahon:

Congratulations on your continued eligibility for certification as a **Women Business Enterprise (WBE)**, by Cook County Government. This certification does not expire; however, you must re-validate your firm's certification annually.

In the past, we have provided annual letters, this practice will no longer continue given that your firm will remain certified indefinitely based on your compliance to programmatic requirements. Please refer to this letter, the Vendor Directory, and your account dashboard for evidence of certification.

As a condition of continued Certification, you must file a No Change Affidavit within ninety (90) calendar days prior to the date of the annual renewal. Failure to file this affidavit may result in the removal of your Certification. You must notify Cook County's Office of Contract Compliance of any change in ownership or control or any other matters or facts affecting your firm's eligibility for Certification within ten (10) calendar days of such change.

Cook County Government may commence action to remove your firm as a certified vendor if you fail to notify us of any changes of facts affecting your firm's Certification, fails to submit annual renewals, or if your firm otherwise fails to cooperate with the County in any inquiry or investigation. Removal of your status may also be commenced if your firm is found to be involved in bidding or contractual irregularities.

Your firm's name will be listed in Cook County's Directory of certified firms in the following area(s) of specialty:

NAICS CODES:

NAICS 423430: COMPUTER PERIPHERAL EQUIPMENT MERCHANT WHOLESALERS

NAICS 423610: ALARM APPARATUS, ELECTRIC, MERCHANT WHOLESALERS

NAICS 423610: COAXIAL CABLE MERCHANT WHOLESALERS

NAICS 423610: ELECTRICAL APPARATUS AND EQUIPMENT, WIRING SUPPLIES, AND RELATED EQUIPMENT MERCHANT WHOLESALERS

NAICS 423610: ELECTRICAL APPARATUS MERCHANT WHOLESALERS

NAICS 423610: SECURITY SYSTEMS MERCHANT WHOLESALERS

NAICS 423690: TELECOMMUNICATIONS EQUIPMENT MERCHANT WHOLESALERS

NAICS 423730: HVAC EQUIPMENT MERCHANT WHOLESALERS

Your firm's participation on Cook County contracts will be credited toward Women Business Enterprise (WBE) goals in your area(s) of specialty. While your participation on Cook County contracts is not limited to your specialty, credit toward Women Business Enterprise (WBE) goals will be given only for work done in the specialty category.

Thank you for your continued interest in Cook County Government's Minority, Women, Veteran, Service-Disabled Veteran, and Persons with Disabilities Business Enterprise Programs.

Sincerely,

The Office of Contract Compliance

Cook County
Office of Contract Compliance
118 N. Clark Street Room 1020
Chicago, Illinois 60602

Telephone: 312.603.5502

Fax: 312.603.6138

<https://cookcounty.diversitycompliance.com>

MBE/WBE UTILIZATION PLAN – FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by either Cook County or with the City of Chicago.

I. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)

☐ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current letter of Certification)

☐ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs (if so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture and a completed Joint Venture Affidavit-available online at www.cookcountyil.gov/contract/compliance)

☒ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but Will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (if so, complete Sections II below and the Letter(s) of Intent – Form 2).

II. ☐ Direct Participation of MBE/WBE Firms

☒ Indirect Participation of MBE/WBE Firms

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only After written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following

MBE/WBE Firm: MATERIAL SERVICE TESTING

Address: 1327 W WASHINGTON BLVD, SUITE 205, CHICAGO, IL 60607

E-mail: JKROZEL@MSIL.COM

Contact Person: JEFFREY KROZEL

Dollar Amount Participation: \$35,000.00

Percent Amount of Participation: 0.158%

*Letter of Intent attached? Yes ☒ No ☐

*Current Letter of Certification attached? Yes ☒ No ☐

Attach additional sheets as needed

*Letter(s) of intent and current Letters of Certification must be submitted at the time of bid.

jm

DBE LETTER OF INTENT - FORM 2

DBE Firm: Material Service Testing Certifying Agency: Metra
 Contact Person: Jeffrey Krozel Certification Expiration Date: 11/1/2027
 Address: 1327 W Washington Blvd, Suite 105 Ethnicity: Asian American
 City/State: Chicago, IL Zip: 60607 Bid/Proposal/Contract #: _____
 Phone: 312-546-6246 Fax: _____ FEIN #: 27-1261603
 Email: jkrozel@mstil.com
 Participation: ☐ Direct ☒ Indirect

Will the DBE firm be subcontracting any of the goods or services of this contract to another firm?

☒ No ☐ Yes – Please attach explanation. Proposed Subcontractor(s): _____

The undersigned DBE is prepared to provide the following Commodities/Services for the above named Project/ Contract: (If more space is needed to fully describe DBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

CONCRETE TESTING (FOR ELECTRICAL ITEMS)

Indicate the Dollar Amount, Percentage, and the Terms of Payment for the above-described Commodities/ Services:

\$35,000.00 0-150%

Terms of Payment: Pay when Paid JM

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a DBE firm for the above work. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Signature (DBE)

Jeffrey Krozel

Print Name

Material Service Testing, Inc

Firm Name

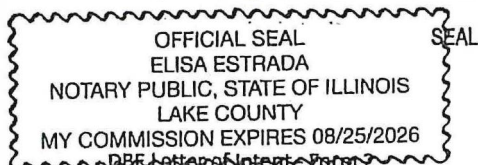
12/10/2024

Date

Subscribed and sworn before me

this 10 day of December, 2024.

Notary Public Elisa Estrada



Signature (Prime Bidder/Proposer)

JOE MICHAEL

Print Name

BUILDERS PAVANA, LLC

Firm Name

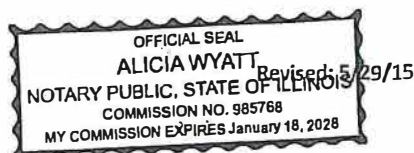
12/10/2024

Date

Subscribed and sworn before me

this 11th day of December, 2024

Notary Public Alicia Wyatt





547 W. Jackson Boulevard, Chicago, IL 60661

312.322.6900

metra.com

February 13, 2024

Clayton Hamano
Material Service Testing, Inc.
1327 W. Washington Blvd., Ste.105
Chicago, IL 60607

Dear Mr. Hamano:

Metra has reviewed your annual *No Change Affidavit* and supporting documentation and is pleased to inform you that your firm continues to meet the Disadvantaged Business Enterprise (DBE) program certification eligibility standards set forth in 49 CFR Subpart D 26.61. Your next No Change Affidavit is due **February 1, 2025**.

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Transit Authority, Metra, and Pace.

If there is any change in your certification that affect your ability to meet size standards, disadvantaged status, ownership, or control requirements or any material change in the information provided in your initial application, you must provide written notification to this agency within thirty (30) days of the occurrence of the change. Failure to provide this information is grounds for removal of certification based on failure to cooperate pursuant to 49 CFR 26.109(c).

Your firm's name will appear in the IL UCP directory, which is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firms. The Directory can be accessed at www.metra.com under the Office of Diversity & Business Enterprise link. Your firm's name will appear in the IL UCP DBE Directory under the following:

NAICS Codes: 541330, 541380

Specialty: 541330 - Geo-Technical, Construction Inspection, Quality Control and Assurance
541380 - Construction Material Field and Laboratory Testing

Your participation on contracts will only be credited toward DBE contract goals when your firm performs in a Commercially Useful Function (CUF) in its approved area(s) of specialty.

Sincerely,

Adriana Mena

Adriana Mena
Sr. DBE Certification Specialist
Office of Diversity & Business Enterprise

MBE/WBE UTILIZATION PLAN – FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by either Cook County or with the City of Chicago.

I. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)

____ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current letter of Certification)

____ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs (if so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture and a completed Joint Venture Affidavit-available online at www.cookcountyil.gov/contract/compliance)

☒ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but Will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (if so, complete Sections II below and the Letter(s) of Intent – Form 2).

II. ☒ Direct Participation of MBE/WBE Firms

☒ Indirect Participation of MBE/WBE Firms

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only After written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following

MBE/WBE Firm: The Sivi Group LLC

Address: P.O. Box 222, Wayne, IL 60184

E-mail: Cynthiasivia@gmail.com

Contact Person: Cynthia Holland

Dollar Amount Participation: \$1,000,000.00

Percent Amount of Participation: 1.0%

*Letter of Intent attached? Yes ☒ No ☐

*Current Letter of Certification attached? Yes ☒ No ☐

Attach additional sheets as needed

*Letter(s) of intent and current Letters of Certification must be submitted at the time of bid.

MBE/WBE LETTER OF INTENT - FORM 2

M/WBE Firm: The Sivi Group LLCCertifying Agency: City of ChicagoContract Person: Cynthia Holland

Certification Expiration Date: _____

Address: P.O. Box 272

Ethnicity: _____

City/State: Wayne, IL Zip: 60184

Bid/Proposal/Contract #: _____

Phone: 630-608-8805 Fax: _____FEIN #: 47-1135432

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

☒ No ☐ Yes - Please attach explanation. Proposed Subcontractor(s): _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above-named Project/Contract: *(if more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)*

Hauling of aggregates and removal of spoils

Indicate the Dollar Amount, Percentage, and the Terms of Payment for the above-described Commodities/Services:

\$400,000.00 100% NET 50

THE UNDERSIGNED PARTIES AGREE that this letter of intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. The undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Cynthia S. Holland
Signature (M/WBE)

[Signature]
Signature (Prime Bidder/Proposer)

Cynthia Holland
Print Name

JOE MICHAEL
Print Name

The Sivi Group LLC
Firm Name

BUILDERS PAVING, LLC
Firm Name

12-11-24
Date

12/11/2024
Date

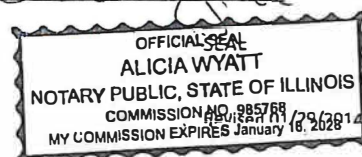
Subscribed and sworn before me

this 11 day of DEC, 2024.Notary Public [Signature]

Subscribed and sworn before me

this 11 day of DEC., 2024.Notary Public [Signature]

M/WBE Letter of Intent - Form 2





CITY OF CHICAGO

DEPARTMENT OF PROCUREMENT SERVICES

SEP - 3 2024

Cynthia Holland
The Sivi Group, LLC
1200 Gasket Drive
Elgin, IL 60120

RE: CONTINUATION OF CERTIFICATION

Dear Ms. Holland:

We are pleased to inform you that **The Sivi Group, LLC** continues to be certified as a **Women-Owned Business Enterprise ("WBE")** by the City of Chicago ("City"). This recertification is a continuation of your previous certification which expired **May 1, 2024** and will remain effective for as long as your firm continues to meet all certification eligibility requirements and is contingent upon the firm affirming its eligibility by filing an **annual No-Change Affidavit** each year. In the past, the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. Therefore, we require you to be even more diligent in filing your **annual No-Change Affidavit 60 calendar days before your annual anniversary date of May 1st**.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification, you must **file an annual No-Change Affidavit 60 calendar days before your anniversary date of May 1st**. Please remember, you have an affirmative duty to file your No-Change Affidavit 60 days prior to the anniversary date for timely processing. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

It is important to note that you also have an ongoing affirmative duty to notify the City of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification **within 10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, gross receipts and or personal net worth that exceed the program threshold. Failure to provide the City with timely notice of such changes may result in the suspension or rescission of your certification. In addition, you may be liable for civil penalties under Chapter 1-22, "False Claims", of the Municipal Code of Chicago.

You shall be deemed to have had your certification lapse and will be ineligible to participate as an **MBE** if you fail to:

- File your annual No-Change Affidavit within the required time period;
- Provide financial or other records requested pursuant to an audit within the required time period;

- Notify the City of any changes affecting your firm's certification **within 10 days** of such change.

You have an obligation to cooperate with the City with any reviews, audits or investigation of its contracts and affirmative action programs. We strongly encourage you to assist us in maintaining the integrity of our programs by reporting instances or suspicions of fraud or abuse to the **City's Inspector General** at chicagoinspectorgeneral.org, or **866-IG-TIPLINE (866-448-4754)**.

If you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. In addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining a contract with the City by falsely representing the individual or entity, or the individual or entity assisted is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months, or a fine of not less than \$5,000 and not more than \$10,000 or both.

Your firm's name will be listed in the City's Directory of Minority and Women-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):

484220 – Dump Trucking (e.g. gravel, sand and top soil)

Specializes in hauling construction materials such as stone, dirt, pipe, small equipment.

Your firm's participation on City contracts will be credited only toward **MBE** goals in your area(s) specialty. While your participation on City contracts is not limited to your area of specialty, credit toward goals will be given only for work that is self-performed and providing a commercially useful function that is done in the approved specialty category.

Thank you for your interest in the City's Minority, Women-Owned Business Enterprise, Veteran-Owned Business Enterprise and Business Enterprise Owned or Operated by People with Disabilities (MBE/WBE/VBE/BEPD) Program.

Sincerely,



Tammi Morgan
Contracting Equity Officer

TM/kr



MBE/WBE UTILIZATION PLAN – FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by either Cook County or with the City of Chicago.

I. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)

☐ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current letter of Certification)

☐ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs (if so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture and a completed Joint Venture Affidavit-available online at www.cookcountyil.gov/contract/compliance)

☒ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but Will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (if so, complete Sections II below and the Letter(s) of Intent – Form 2).

II. ☒ Direct Participation of MBE/WBE Firms

☐ Indirect Participation of MBE/WBE Firms

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only After written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following

MBE/WBE Firm: MAINTENANCE COATINGS COMPANY

Address: 543 WOODBURY STREET, SOUTH ELGIN, IL 60177

E-mail: JULIE@MAINTENANCECOATINGS.COM

Contact Person: JULIE WEIGMAN

Dollar Amount Participation: \$ 639,863.25

Percent Amount of Participation: 2.88%

*Letter of Intent attached? Yes ☒ No ☐

*Current Letter of Certification attached? Yes ☒ No ☐

Attach additional sheets as needed

*Letter(s) of intent and current Letters of Certification must be submitted at the time of bid.

MBE/WBE LETTER OF INTENT – FORM 2

M/WBE Firm: Maintenance Coatings Company Certifying Agency: City of Chicago
 Contract Person: Julie Wrightsman President Certification Expiration Date: 04/01/2025
 Address: 543 Woodbury Street Ethnicity: Caucasian
 City/State: South Elgin, IL Zip: 60177 Bid/Proposal/Contract #: 24 11- 100
 Phone: 847-622-0020 Fax: _____ FEIN #: 36-2379228

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

☒ No ☐ Yes - Please attach explanation. Proposed Subcontractor(s): _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above-named Project/Contract: *(if more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)*

Payment marking and traffic control - see attached quote

Indicate the Dollar Amount, Percentage, and the Terms of Payment for the above-described Commodities/Services:

\$637,883.25 100% PAY WHEN PAID

-See attached quote 2.00%

THE UNDERSIGNED PARTIES AGREE that this letter of intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. The undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Julie A. Wrightsman
 Signature (M/WBE)

Julie Wrightsman President

Print Name

Maintenance Coatings Company

Firm Name

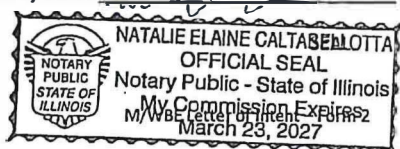
12/10/2024

Date

Subscribed and sworn before me

this 10th day of December, 2024.

Notary Public



Joe Michael
 Signature (Prime Bidder/Proposer)

JOE MICHAEL

Print Name

BUILDERS PAVING, LLC

Firm Name

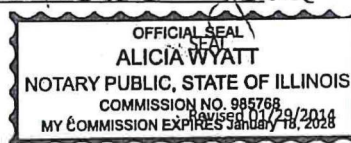
12/19/2024

Date

Subscribed and sworn before me

this 19th day of DECEMBER, 2024.

Notary Public





CITY OF CHICAGO

DEPARTMENT OF PROCUREMENT SERVICES

MAY 21 2024

Julie Ann Wrightsman
Maintenance Coatings Co.
543 Woodbury St
South Elgin, Illinois 60177

Dear Ms. Wrightsman:

The City of Chicago has reviewed your annual *No Change Affidavit* and supporting documentation and is pleased to inform you that your firm, **Maintenance Coatings Co.**, continues to meet the **Disadvantaged Business Enterprise ("DBE")** program certification eligibility standards set forth in 49 CFR Part 26. Your next No Change Affidavit is due **December 1, 2024.**

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the City of Chicago, Illinois Department of Transportation, the Chicago Transit Authority, Metra and Pace.

If there is any change in circumstances during the course of your certification period that affect your ability to meet size, disadvantaged status, ownership, or control requirements or any material change in the information provided in your initial application, you must provide written notification to this agency within **thirty (30) days** of the occurrence of the change. Failure to provide this information is a ground for denial of certification based on failure to cooperate pursuant to 49 CFR 26.109(c).

Your firm's name will appear in the IL UCP DBE Directory under the following category name(s):

NAICS Code(s):

**237310 – Pavement Marking Services: Painting, Raised; Epoxy; Signing;
Thermoplastic Hand; Preformed Plastic Pavement; Temporary Wall
Barrier Installation**

561990 – Flagging (i.e., traffic control) Services

The Directory is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE, and ACDBE firms. The Directory can be accessed on the Internet at <https://webapps.dot.illinois.gov/UCP/ExternalSearch>.

Your participation on contracts will only be credited toward **DBE** contract goals when you perform in your firm's approved area(s) of specialty. Credit for participation in an area outside your specialty requires prior approval (verification of resources, expertise, and corresponding support documentation, etc.).

Sincerely,



Tammi Morgan
Contracting Equity Officer

TM/cm





CITY OF CHICAGO

DEPARTMENT OF PROCUREMENT SERVICES

APR 28 2020

Julie Wrigtsman
Maintenance Coatings Co.
543 Woodbury St.
South Elgin, IL 60177

Dear Ms. Wrigtsman:

We are pleased to inform you that **Maintenance Coatings Co.** has been recertified as a **Women-Owned Business Enterprise ("WBE")** by the City of Chicago ("City"). This **WBE** recertification is valid until **4/1/2025**; however, your firm's certification must be revalidated annually. In the past, the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. Therefore, we require you to be even more diligent in filing your **annual No-Change Affidavit 60 days** before your annual anniversary date.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification during the five year period stated above, you must file an **annual No-Change Affidavit**. Your firm's annual No-Change Affidavit is due by **4/1/2021, 4/1/2022, 4/1/2023 and 4/1/2024**. Please remember, you have an affirmative duty to file your No-Change Affidavit 60 days prior to the date of expiration. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

Your firm's five year certification will expire on **4/1/2025**. You have an affirmative duty to file for recertification **60 days** prior to the date of the five year anniversary date. Therefore, you must file for recertification by **2/1/2025**.

It is important to note that you also have an ongoing affirmative duty to notify the City of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification **within 10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, gross receipts and or personal net worth that exceed the program threshold. Failure to provide the City with timely notice of such changes may result in the suspension or rescission of your certification. In addition, you may be liable for civil penalties under Chapter 1-22, "False Claims", of the Municipal Code of Chicago.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **WBE** if you fail to:

- File your annual No-Change Affidavit within the required time period;

- Provide financial or other records requested pursuant to an audit within the required time period;
- Notify the City of any changes affecting your firm's certification **within 10 days** of such change; or
- File your recertification within the required time period.

Please be reminded of your contractual obligation to cooperate with the City with respect to any reviews, audits or investigation of its contracts and affirmative action programs. We strongly encourage you to assist us in maintaining the integrity of our programs by reporting instances or suspicions of fraud or abuse to the **City's Inspector General at chicagoinspectorgeneral.org, or 866-IG-TIPLINE (866-448-4754).**

Be advised that if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. In addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining a contract with the City by falsely representing the individual or entity, or the individual or entity assisted is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months, or a fine of not less than \$5,000 and not more than \$10,000 or both.

Your firm's name will be listed in the City's Directory of Certified Firms in the specialty area(s) of:

NAICS Code(s):

237310 – Painting Lines on Highways, Streets and Bridges (i.e. painting traffic lanes, parking lots and runways)

561990 – Flagging (i.e. traffic control) Services

Your firm's participation on City contracts will be credited only toward **WBE** goals in your area(s) specialty. While your participation on City contracts is not limited to your area of specialty, credit toward goals will be given only for work that is self-performed and providing a commercially useful function that is done in the approved specialty category.

Thank you for your interest in the City's Minority and Women-Owned Business Enterprise, Veteran-Owned Business Enterprise and Business Enterprise Owned or Operated by People with Disabilities (WBE/WBE/VBE/BEPO) Programs.

Sincerely,



Shannon E. Andrews
Chief Procurement Officer
SEA/nm

PETITION FOR REDUCTION/WAIVER OF MBE/WBE PARTICIPATION- FORM 3

34

A. BIDDER/PROPOSER HEREBY REQUESTS:

☐ FULL MBE WAIVER

☐ FULL WBE WAIVER

☐ REDUCTION (PARTIAL MBE and/or WBE Participation)

_____ % of Reduction for MBE Participation

_____ % of Reduction for WBE Participation

NOT APPLICABLE,
OUR BID MEETS THE
GOALS OF 24% MBE &
10% WBE PARTICIPATION.

B. REASON FOR FULL/REDUCTION WAIVER REQUEST

Bidder/Proposer shall check each item applicable to its reason for a waiver request. Additionally, supporting documentation shall be submitted with this request.

- ☐ (1) Lack of sufficient qualified MBEs and/or WBEs capable of providing the goods or services required by the contract. (Please explain)
- ☐ (2) The specifications and necessary requirements for performing the contract make it impossible or Economically infeasible to divide the contract to enable the contractor to utilize MBEs and/or WBEs in accordance with the applicable participation. (Please explain)
- ☐ (3) Price(s) quoted by potential MBEs and/or WBEs are above competitive levels and increase cost of doing business and would make acceptance of such MBE and/or WBE bid economically impracticable, taking into consideration the percentage of total contract price represented by such MBE and/or WBE bid. (Please explain)
- ☐ (4) There are other relevant factors making it impossible or economically infeasible to utilize MBE and/or WBE firms. (Please explain)

C. GOOD FAITH EFFORTS TO OBTAIN MBE/WBE PARTICIPATION

- ☐ (1) Made timely written solicitation to identified MBEs and WBEs for utilization of goods and/or Services; and provided MBEs and WBEs with a timely opportunity to review and obtain relevant Specifications, terms and conditions of the proposal to enable MBEs and WBEs to prepare an Informed response to solicitation. (Attach a copy of written solicitations made)
- ☐ (2) Used the services and assistance of the Office of Contract Compliance staff. (Please explain)
- ☐ (3) Timely notified and used the services and assistance of community, minority and women business organizations. (Attach a copy of written solicitations made)
- ☐ (4) Followed up on initial solicitation of MBEs and WBEs to determine if firms are interested in Doing business. (Attach supporting documentation)
- ☐ (5) Engaged MBEs & WBEs for direct/indirect participation. (Please explain)

D. OTHER RELEVANT INFORMATION

Attach any other documentation relative to Good Faith Efforts in complying with MBE/WBE Participation

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

OCPO ONLY:

- ☐ Disqualification
☐ Check Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract. In the even that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 2411-10160	Date: 12/11/24
Total Bid or Proposal Amount: \$22,188,808.00	Contract Title: 2022 Pavement Rehabilitation Program - North Corridors Package 3
Contractor: Builders Paving, LLC	Subcontractor/Supplier/ Subconsultant to be Added or substituted: ACURA Inc.
Authorized Contact For Contractor: Steven Salinas, Vice President	Authorized Contact for Subcontractor/Supplier/ Subconsultant: CARLOS Lopez
Email Address (Contractor): ssalinas@builderspavingllc.com	Email Address (Subcontractor):
City, State and Zip (Contractor): 4401 Roosevelt Road Hillside, IL 60162	City, State and Zip (Subcontractor): 5500 COUNTY Line Rd, Suite B BENSENVILLE, IL 60106
Telephone and Fax (Contractor): (847) 419-9000	Telephone and Fax (Subcontractor): (630) 716-9979
Estimated Start and Completion Dates (Contractor): TBD	Estimated Start and Completion Dates (Subcontractor): TBD

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services of Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
concrete	\$ 5,360,456.88

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principle contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations. And is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor: Builders Paving, LLC

Name: Joseph Michael

Title: Secretary

Prime Contractor Signature



Date: 12/11/24

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

OCPO ONLY:☐ Disqualification☐ Chick Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract. In the even that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 2411-10160	Date: 12/11/24
Total Bid or Proposal Amount: \$ 22,188,808.00	Contract Title: 2022 Pavement Rehabilitation Program - North Corridors Package 3
Contractor: Builders Paving, LLC	Subcontractor/Supplier/ Subconsultant to be Added or substituted: Galaxy Underground Inc.
Authorized Contact For Contractor: Steven Salinas, Vice President	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Nick Ruggieri
Email Address (Contractor): ssalinas@builderspavingllc.com	Email Address (Subcontractor):
City, State and Zip (Contractor): 4401 Roosevelt Road Hillside, IL 60162	City, State and Zip (Subcontractor): 1075 MORSE AVE. SCHAMMBURG, IL 60193
Telephone and Fax (Contractor): (847) 419-9000	Telephone and Fax (Subcontractor): (847) 455-8522
Estimated Start and Completion Dates (Contractor): TBD	Estimated Start and Completion Dates (Subcontractor): TBD

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services of Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
SEWER	\$ 1,146,146.00

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principle contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations. And is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor: Builders Paving, LLC

Name: Joseph Michael

Title: Secretary

Prime Contractor Signature



Date: 12/11/24

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

OCPO ONLY:

- ☐ Disqualification
☐ Chick Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract. In the even that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 2411-10160	Date: 12/11/24
Total Bid or Proposal Amount: \$ 22,188,800.00	Contract Title: 2022 Pavement Rehabilitation Program - North Corridors Package 3
Contractor: Builders Paving, LLC	Subcontractor/Supplier/ Subconsultant to be Maintenance Coatings Added or substituted: Company
Authorized Contact For Contractor: Steven Salinas, Vice President	Authorized Contact for Subcontractor/Supplier/ Jeff Schudt Subconsultant:
Email Address (Contractor): ssalinas@builderspavingllc.com	Email Address (Subcontractor):
City, State and 4401 Roosevelt Road Zip (Contractor): Hillside, IL 60162	City, State and 543 Woodbury St. Zip (Subcontractor): South Elgin, IL 60177
Telephone and Fax (Contractor): (847) 419-9000	Telephone and Fax (Subcontractor): (847) 422-0020
Estimated Start and Completion Dates TBD (Contractor):	Estimated Start and Completion Dates TBD (Subcontractor):

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services of Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
Striping & TCP	\$ 439,883.25

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principle contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations. And is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor: Builders Paving, LLC

Name: Joseph Michael

Title: Secretary

Prime Contractor Signature



Date: 12/11/24

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

OCPO ONLY:

- ☐ Disqualification
☐ Check Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract. In the even that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 2411-10160	Date: 12/11/24
Total Bid or Proposal Amount: \$22,188,888.00	Contract Title: 2022 Pavement Rehabilitation Program - North Corridors Package 3
Contractor: Builders Paving, LLC	Subcontractor/Supplier/ Subconsultant to be Landscapes by Added or substituted: Gary Weiss
Authorized Contact For Contractor: Steven Salinas, Vice President	Authorized Contact for Subcontractor/Supplier/ Subconsultant:
Email Address (Contractor): ssalinas@builderspavingllc.com	Email Address (Subcontractor):
City, State and 4401 Roosevelt Road Zip (Contractor): Hillside, IL 60162	City, State and 9314 McConnell Road Zip (Subcontractor): Woodstock, IL 60098
Telephone and Fax (Contractor): (847) 419-9000	Telephone and Fax (Subcontractor): (815) 337-7889
Estimated Start and Completion Dates TBD (Contractor):	Estimated Start and Completion Dates TBD (Subcontractor):

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services of Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
Landscaping	\$487,493.90

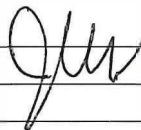
The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principle contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations. And is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor: Builders Paving, LLC

Name: Joseph Michael

Title: Secretary

Prime Contractor Signature



Date: 12/11/24

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

OCPO ONLY:☐ Disqualification☐ Check Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract. In the even that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 2411-10160	Date: 12/11/24
Total Bid or Proposal Amount: \$22,188,808.00	Contract Title: 2022 Pavement Rehabilitation Program - North Corridors Package 3
Contractor: Builders Paving, LLC	Subcontractor/Supplier/ Subconsultant to be <u>Advanced Video</u> Added or substituted: <u>Solutions Inc.</u>
Authorized Contact For Contractor: Steven Salinas, Vice President	Authorized Contact for Subcontractor/Supplier/ Subconsultant: <u>Karen Kowalik</u>
Email Address (Contractor): ssalinas@builderspavingllc.com	Email Address (Subcontractor):
City, State and Zip (Contractor): 4401 Roosevelt Road Hillside, IL 60162	City, State and Zip (Subcontractor): <u>615 Berkshire Ct</u> <u>Shmumburg, IL 60193</u>
Telephone and Fax (Contractor): (847) 419-9000	Telephone and Fax (Subcontractor): <u>(847) 534-0100</u>
Estimated Start and Completion Dates (Contractor): TBD	Estimated Start and Completion Dates (Subcontractor): TBD

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services of Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
<u>Pre-construction video</u>	<u>\$18,995.00</u>

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principle contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations. And is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor: Builders Paving, LLC

Name: Joseph Michael

Title: Secretary

Prime Contractor Signature



Date: 12/11/24

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

OCPO ONLY:☐ Disqualification☐ Check Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract. In the even that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 2411-10160	Date: 12/11/24
Total Bid or Proposal Amount: \$22,188,808.00	Contract Title: 2022 Pavement Rehabilitation Program - North Corridors Package 3
Contractor: Builders Paving, LLC	Subcontractor/Supplier/ Subconsultant to be Added or substituted: D+R / Peterson Environmental
Authorized Contact For Contractor: Steven Salinas, Vice President	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Brendan Peterson
Email Address (Contractor): ssalinas@builderspavingllc.com	Email Address (Subcontractor):
City, State and Zip (Contractor): 4401 Roosevelt Road Hillside, IL 60162	City, State and Zip (Subcontractor): 4044 N. Lincoln Ave, #137 Chicago, IL 60618
Telephone and Fax (Contractor): (847) 419-9000	Telephone and Fax (Subcontractor): (773) 447-5829
Estimated Start and Completion Dates (Contractor): TBD	Estimated Start and Completion Dates (Subcontractor): TBD

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services of Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
Environmental	\$128,900.00

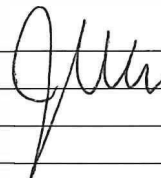
The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principle contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations. And is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor: Builders Paving, LLC

Name: Joseph Michael

Title: Secretary

Prime Contractor Signature



Date: 12/11/24

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

OCPO ONLY:

- ☐ Disqualification
☐ Check Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract. In the even that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 2411-10160	Date: 12/11/24
Total Bid or Proposal Amount: \$ 22,188,808.00	Contract Title: 2022 Pavement Rehabilitation Program - North Corridors Package 3
Contractor: Builders Paving, LLC	Subcontractor/Supplier/ Subconsultant to be Added or substituted: Home Towne Electric, Inc.
Authorized Contact For Contractor: Steven Salinas, Vice President	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Dan Green
Email Address (Contractor): ssalinas@builderspavingllc.com	Email Address (Subcontractor):
City, State and Zip (Contractor): 4401 Roosevelt Road Hillside, IL 60162	City, State and Zip (Subcontractor): PO Box 863, Lake Villa, IL 60046
Telephone and Fax (Contractor): (847) 419-9000	Telephone and Fax (Subcontractor): (847) 223-2800
Estimated Start and Completion Dates (Contractor): TBD	Estimated Start and Completion Dates (Subcontractor): TBD

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services of Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
Electric	\$2,658,634.70

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principle contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations. And is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor: Builders Paving, LLC
Name: Joseph Michael
Title: Secretary
Prime Contractor Signature  Date: 12/11/24

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

OCPO ONLY:

- ☒ Disqualification
☐ Check Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract. In the even that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: <u>2411-10160</u>	Date: <u>1/10/2025</u>
Total Bid or Proposal Amount: <u>\$2,658,634.70</u>	Contract Title: <u>2022 PAVEMENT REHAB PROGRAM NORTH COLLINGS PACKAGE 3</u>
Contractor: <u>HOME TOWNE ELECTRIC</u>	Subcontractor/Supplier/ Subconsultant to be <u>MATERIAL SERVICE TESTING</u> Added or substituted:
Authorized Contact For Contractor: <u>DAN GREEN</u>	Authorized Contact for Subcontractor/Supplier/ Subconsultant: <u>JEFFREY KROZEL</u>
Email Address (Contractor): <u>ESTIMATING@HT-ELECTRIC.COM</u>	Email Address (Subcontractor): <u>JKROZEL@MSTIL.COM</u>
City, State and Zip (Contractor): <u>P.O. BOX 863, LAKE VILLA, IL 60040</u>	City, State and Zip (Subcontractor): <u>CHICAGO, IL 60607</u>
Telephone and Fax (Contractor): <u>(617) 223-2800</u>	Telephone and Fax (Subcontractor): <u>(312) 546-6246</u>
Estimated Start and Completion Dates (Contractor): <u>TBD</u>	Estimated Start and Completion Dates (Subcontractor): <u>TBD</u>

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services of Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
<u>CONCRETE TESTING (ELECTRICAL WORK)</u>	<u>\$35,000.00</u>

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principle contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations. And is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor: BUILDERS PAVING, LLC
 Name: JOE MICHAEL
 Title: SECRETARY
 Prime Contractor Signature [Signature] Date: 1/10/2025

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

OCPO ONLY:

- ☐ Disqualification
☐ Check Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract. In the even that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 2411-10160	Date: 12/11/24
Total Bid or Proposal Amount: \$22,188,800.00	Contract Title: 2022 Pavement Rehabilitation Program - North Corridors Package 3
Contractor: Builders Paving, LLC	Subcontractor/Supplier/ Subconsultant to be Added or substituted: EVERGREEN ROADWORKS
Authorized Contact For Contractor: Steven Salinas, Vice President	Authorized Contact for Subcontractor/Supplier/ Subconsultant: RANDY MILLER
Email Address (Contractor): ssalinas@builderspavingllc.com	Email Address (Subcontractor):
City, State and Zip (Contractor): 4401 Roosevelt Road Hillside, IL 60162	City, State and Zip (Subcontractor): 1370 Bungalow Rd MORRIS, IL 60450
Telephone and Fax (Contractor): (847) 419-9000	Telephone and Fax (Subcontractor): (815) 564-7840
Estimated Start and Completion Dates (Contractor): TBD	Estimated Start and Completion Dates (Subcontractor): TBD

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services of Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
LJS	\$259,301.84

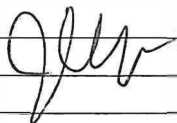
The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principle contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations. And is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor: Builders Paving, LLC

Name: Joseph Michael

Title: Secretary

Prime Contractor Signature



Date: 12/11/24

OFFICE OF THE COOK COUNTY COMPTROLLER
ELECTRONIC PAYABLES PROGRAM ("E-PAYABLE")

FOR INFORMATION PURPOSES ONLY

This document describes the Office of the Cook County Comptroller's Electronic Payable Program ("E-Payables"). If you wish to participate in E-Payables, please contact the Cook County Comptroller's Office, Accounts Payable, 118 N. Clark Street, Room 500, Chicago, IL. 60602

DESCRIPTION

To increase payment efficiency and timelines, we have introduced E-Payables program, a new payment initiative to our accounts payable model. This new initiative utilizes a Visa purchasing card and operates through the Visa payment network. This is County's preferred method of payment and your participation in our Visa purchasing card program will provide mutual benefits both to your organization and ours.

As a vendor, you may experience the following benefits by accepting this new payment type:

- Improved cash flow and accelerated payment
- Reduced paperwork and a more streamlined accounts receivable process
- Elimination of stop payment issues
- Reduced payment delays
- Reduced costs for handling paper checks
- Payments settled directly to your merchant account

There are two options within this initiative:

1. Dedicated Credit Card – "PULL" Settlement

For this option, you will have an assigned dedicated credit card to be used for each payment. You will provide a point of contact within your organization who will keep credit card information on file. Each time a payment is made, you will receive a remittance advice via email detailing the invoices being paid. Each time you receive a remittance advice, you will process payments in the same manner you process credit card transactions today.

2. One-Time Use Credit – SUGA" Settlement

For this option, you will provide a point of contact within your organization who will receive an email notification authorizing you to process payments in the same manner you process credit card transactions today. Each time payment is made, you will receive a remittance advice, via email, detailing the invoices being paid. Also, each time you receive a remittance advice, you will receive a new, unique credit card number. This option is ideal for suppliers who are unable to keep credit card account information on file.

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VETERAN'S PREFERENCE FOR VBE AND SDVBE

N/A

INSTRUCTIONS

In accordance with Section 34-236(b) of the Cook County Procurement Code, the Chief Procurement Officer ("CPO") shall give a preference of five percent of the amount of the Contract to a Responsible and Responsive Veterans Owned Business Enterprise (VBE) and Service Disabled Veterans Business Enterprise (SDVBE) requesting a preference for Bids. **All Bidders who are requesting this preference must complete the form, and attach a copy of its certification. Prior to applying the five percent preference, the CPO must receive approval from the Contract Compliance Director (CCD) that the Bidder is a qualified VBE or SDVBE.**

DEFINITIONS

Veteran-owned Business Enterprise (VBE) means a small business (i) that is at least 51 percent owned, controlled and managed by one or more Eligible Veterans or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled and managed by one or more Eligible Veterans; (ii) that has its home office in Illinois, as certified by the Contract Compliance Director (CCD) under policies and procedures promulgated by the CCD.

Eligible Veteran means a person who (i) has been either a member of the armed forces of the United States or, while a citizen of the United States, was a member of the armed forces of allies of the United States in time of hostilities with a foreign country and (ii) has served under one or more of the following conditions: (a) the veteran served a total of at least 6 months; (b) the veteran served for the duration of hostilities regardless of the length of the engagement; (c) the veteran was discharged on the basis of hardship; or (d) the veteran was released from active duty because of a service connected disability and was discharged under honorable conditions.

Armed forces of the United States means the United States Army, Navy, Air Force, Marine Corps, Coast Guard or service in active duty as defined under 38 U.S.C. Section 101. Service in the Merchant Marine that constitutes active duty under Section 401 of federal Public Act 95-202 shall also be considered service in the armed forces for purposes of this Division.

Service-Disabled Veteran-owned Business Enterprise (SDVBE) means a small business (i) that is at least 51 percent owned, controlled, and managed by one or more qualified service disabled veterans or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled and managed by one or more Service Disabled Veterans; (ii) that has its home office in Illinois, as certified by the CCD under policies and procedures promulgated by the CCD.

Service-Disabled Veteran means an Eligible Veteran who has been found to have 10 percent or more service connected disability by the United States Department of Veterans Affairs or the United States Department of Defense.

Service-connected disability means a disability incurred in the line of duty in the active military, naval or air service as described in 38 U.S.C. 101(16).

Small Business means a small business as defined by the U.S. Small Business Administration, pursuant to the business size standards found in 13 CFR Part 121, as related to the nature of the work the Person seeks to perform on Contracts. A Person is not an eligible small business enterprise in any calendar fiscal year in which its gross receipts, averaged over the Person's previous five fiscal years, exceed the size standards of 13 CFR Part 121.

REQUEST FOR PREFERENCE

_____ Bidder is requesting to receive a preference as a VBE. By requesting this preference, Bidder certifies that it meets the definition of a VBE, as set forth above and has included a copy of its certification.

_____ Bidder is requesting to receive a preference as a SDVBE. By requesting this preference, Bidder certifies that it meets The definition of a SDVBE, as set forth above and has included a copy of its certification.

Bidder (please print or type)

Title

Signature

Date

E-mail address

Phone Number

Subscribed to and sworn before me
this ____ day of _____, 20____.

My commission expires:

X _____
Notary Public Signature

Notary Seal

Eligible Preference for Business Owned by People with Disabilities

In accordance with Section 34-242 (a) of the Cook County Procurement Code, the CPO shall recommend award to the lowest Responsible and Responsive Bidder who is a PDBE, Provided that the Bid of such bidder does not exceed the Bid of the lowest Responsible and Responsive Bidder by more than five percent (5%).

Preference for Businesses Owned by People with Disabilities Form**INSTRUCTIONS**

N/A

In accordance with Section 34-236(b) of the Cook County Procurement Code, the Chief Procurement Officer ("CPO") shall give a preference of **five percent of the amount of the Contract** to a Responsible and Person with Disabilities Owned Business Enterprise ("PDBE") requesting a preference for Bids. **All Bidders who are requesting this preference must complete the form and attach a copy of its certification. Prior to applying the five percent preference, the CPO must receive approval from the Contract Compliance Director (CCD) that the Bidder is a qualified PDBE.**

DEFINITIONS

Persons with Disabilities Owned Business Enterprise (PDBE) means a small business (i) that is at least 51 percent owned, controlled and managed by one or more Persons with a Disability; or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled, and managed by one or more Persons with a Disability; (ii) that has its home office in Illinois, as certified by the CCD under policies and procedures promulgated by the CCD.

Disability or Disabled means, with respect to an individual, a physical or mental impairment that substantially limits one or more of the major life activities of the individual, a record of physical or mental impairment that substantially limits one or more of the major life activities of the individual, or being regarded as an individual with a physical or mental impairment that substantially limits one or more of the major life activities of the individual.

Small Business means a small business as defined by the U.S. Small Business Administration, pursuant to the business size standards found in 13 CFR Part 121, as related to the nature of the work the Person seeks to perform on Contracts. A Person is not an eligible small business enterprise in any calendar fiscal year in which its gross receipts, averaged over the Person's previous five fiscal years, exceed the size standards of 13 CFR Part 121.

REQUEST FOR PREFERENCE

_____ Bidder is requesting to receive a preference as a PDBE. By requesting this preference, Bidder certifies that it meets the definition of a PDBE, as set forth above and has included a copy of its certification.

Bidder (please print or type)_____
Title_____
Signature_____
Date_____
E-mail address_____
Phone Number

Subscribed to and sworn before me
this ____ day of _____, 20____.

My commission expires:

X _____
Notary Public Signature

Notary Seal

COOK COUNTY AFFIDAVIT FOR GREEN CONSTRUCTION ORDINANCE

Effective April 12, 2017, every Prime Contractor seeking a Public Works Contract for which their bid price is \$2 million or more, including pricing for Subcontractors, with Cook County must comply with the Cook County Green Construction Ordinance set forth in Chapter 30, Article III, Division II, Subdivision V. Alternatively, a Prime Contractor may submit, as a part of the bid package, substantial evidence, as set out in Chapter 30 Sec. 443, as to why they are not able to comply with the Green Construction Ordinance.

All Prime Contractors are required to complete this affidavit and comply with the Cook County Green Construction Ordinance before any Contract is awarded. Signature of this form constitutes a certification of the information provided below is correct and complete, and that the individual(s) signing this form has/have personal knowledge of such information.

Public Works Contract for purposes of this Affidavit means a contract, budgeted at \$2,000,000.00 or more, with a County agency for a construction program or project bid by Cook County involving the construction, demolition, restoration, rehabilitation, repair, renovation, or abatement of any building, structure, tunnel, excavation, roadway, park or bridge; a contract with a County agency for the preparation for any construction program or project involving the construction, demolition, restoration, rehabilitation, repair, renovation, or abatement of any building, structure, tunnel, excavation, roadway, park or bridge; or a contract with a County agency for any final work involved in the completion of any construction program or project involving the construction, demolition, restoration, rehabilitation, repair, renovation, or abatement of any building, structure, tunnel, excavation, roadway, park or bridge.

Prime Contractor means any person or business entity that enters into a Public Works Contract with Cook County.

I. Contract Information:

Contract Number 2411-10160

County Using Agency (requesting procurement) Cook County Dept of Transportation & Highways

II. Person/Owner information: SKEJG, LLC

Person (Corporate Entity Name) Builders Paving, LLC

FEIN# 27-2209007

Email Address ssalinas@builderspavingllc.com

Street Address: 4401 Roosevelt Road

City Hillside State: Illinois Zip: 60162

Phone Number: (847) 419-9000

III. Compliance

- A. Ultra Low Sulfur Diesel fuel for diesel motor vehicles, non-road vehicles, and stationary generators will be used in the performance of the contract.
- B. All heavy-duty diesel vehicles or diesel non-road vehicles used in the performance of this Public Works Contract for more three days over the life of the project, by either the Prime Contractor or Subcontractor, have level 3 Controls installed and such controls are properly maintained and operating (as may be provided by regulations promulgated pursuant to this act).

If the response to the above is NO, will

All heavy-duty diesel vehicles or diesel non-road vehicles used in the performance of this Public Works Contract for more than three days over the life of the project, by either the Prime

Contractor or Subcontractor, which the contractor has certified cannot be retrofit with Level 3 Controls have Level 2 Controls Installed that are available and appropriate for such vehicles.

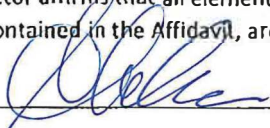
~~Builder~~

If the response to the above is NO, will

All diesel non-road vehicles used in the performance of this Public Works Contract for more three days over the life of the project, by either the Prime Contractor or Subcontractor, which the contractor has certified cannot be retrofit with Level 2 controls have Level 1 Controls installed that are available and appropriate for such vehicles.

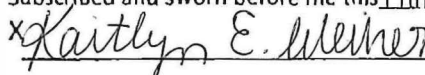
IV. Affirmation

The Prime Contractor affirms that all elements, including those elements pertaining to Subcontractors, contained in the Affidavit, are true, accurate and complete.

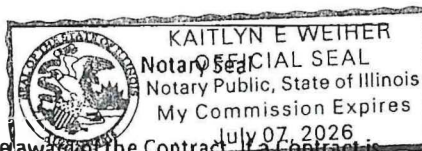
Signature  Date: 12/11/24

Name of Person Signing (print) Steven Salinas Title: Vice President

Subscribed and sworn before me this 11th Day of December 2024



Notary Public Signature



Note: The above information is subject to verification prior to the award of the Contract. If a Contract is awarded, Cook County reserves the right to independently monitor compliance with the Green Construction Ordinance. Any false statements may subject the Prime Contractor to penalties, cost recovery and remedies set forth in Section 30-131.

**COOK COUNTY
ECONOMIC DISCLOSURE STATEMENT
AND EXECUTION DOCUMENT
INDEX**

Section	Description	Pages
1	Instructions for Completion of EDS	EDS i - ii
2	Certifications	EDS 1– 2
3	Economic and Other Disclosures, Affidavit of Child Support Obligations, Disclosure of Ownership Interest and Familial Relationship Disclosure Form	EDS 3 – 12
4	Cook County Affidavit for Wage Theft Ordinance	EDS 13-14
5	Contract and EDS Execution Page	EDS 15
6	Cook County Signature Page	EDS 16

Please go to link below for fillable forms:

<https://www.cookcountyil.gov/service/forms-affidavits>

SECTION 1
INSTRUCTIONS FOR COMPLETION OF
ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT

This Economic Disclosure Statement and Execution Document ("EDS") is to be completed and executed by every Bidder on a County contract, every Proposer responding to a Request for Proposals, and every Respondent responding to a Request for Qualifications, and others as required by the Chief Procurement Officer. The execution of the EDS shall serve as the execution of a contract awarded by the County. The Chief Procurement Officer reserves the right to request that the Bidder or Proposer, or Respondent provide an updated EDS on an annual basis.

Definitions. Terms used in this EDS and not otherwise defined herein shall have the meanings given to such terms in the Instructions to Bidders, General Conditions, Request for Proposals, Request for Qualifications, as applicable.

Affiliate means a person that directly or indirectly through one or more intermediaries, Controls is Controlled by, or is under common Control with the Person specified.

Applicant means a person who executes this EDS.

Bidder means any person who submits a Bid.

Code means the Code of Ordinances, Cook County, Illinois available on municode.com.

Contract shall include any written document to make Procurements by or on behalf of Cook County.

Contractor or *Contracting Party* means a person that enters into a Contract with the County.

Control means the unfettered authority to directly or indirectly manage governance, administration, work, and all other aspects of a business.

EDS means this complete Economic Disclosure Statement and Execution Document, including all sections listed in the Index and any attachments.

Joint Venture means an association of two or more Persons proposing to perform a for-profit business enterprise. Joint Ventures must have an agreement in writing specifying the terms and conditions of the relationship between the partners and their relationship and respective responsibility for the Contract

Lobby or *lobbying* means to, for compensation, attempt to influence a County official or County employee with respect to any County matter.

Lobbyist means any person who lobbies.

Person or *Persons* means any individual, corporation, partnership, Joint Venture, trust, association, Limited Liability Company, sole proprietorship or other legal entity.

Prohibited Acts means any of the actions or occurrences which form the basis for disqualification under the Code, or under the Certifications hereinafter set forth.

Proposal means a response to an RFP.

Proposer means a person submitting a Proposal.

Response means response to an RFQ.

Respondent means a person responding to an RFQ.

RFP means a Request for Proposals issued pursuant to this Procurement Code.

RFQ means a Request for Qualifications issued to obtain the qualifications of interested parties.

**INSTRUCTIONS FOR COMPLETION OF
ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT**

Section 1: Instructions. Section 1 sets forth the instructions for completing and executing this EDS.

Section 2: Certifications. Section 2 sets forth certifications that are required for contracting parties under the Code and other applicable laws. Execution of this EDS constitutes a warranty that all the statements and certifications contained, and all the facts stated, in the Certifications are true, correct and complete as of the date of execution.

Section 3: Economic and Other Disclosures Statement. Section 3 is the County's required Economic and Other Disclosures Statement form. Execution of this EDS constitutes a warranty that all the information provided in the EDS is true, correct and complete as of the date of execution, and binds the Applicant to the warranties, representations, agreements and acknowledgements contained therein.

Required Updates. The Applicant is required to keep all information provided in this EDS current and accurate. In the event of any change in the information provided, including but not limited to any change which would render inaccurate or incomplete any certification or statement made in this EDS, the Applicant shall supplement this EDS up to the time the County takes action, by filing an amended EDS or such other documentation as is required.

Additional Information. The County's Governmental Ethics and Campaign Financing Ordinances impose certain duties and obligations on persons or entities seeking County contracts, work, business, or transactions, and the Applicant is expected to comply fully with these ordinances. For further information please contact the Director of Ethics at (312) 603-4304 (69 W. Washington St. Suite 3040, Chicago, IL 60602) or visit the web-site at cookcountyil.gov/ethics-board-of.

Authorized Signers of Contract and EDS Execution Page. If the Applicant is a corporation, the President and Secretary must execute the EDS. In the event that this EDS is executed by someone other than the President, attach hereto a certified copy of that section of the Corporate By-Laws or other authorization by the Corporation, satisfactory to the County that permits the person to execute EDS for said corporation. If the corporation is not registered in the State of Illinois, a copy of the Certificate of Good Standing from the state of incorporation must be submitted with this Signature Page.

If the Applicant is a partnership or joint venture, all partners or joint venturers must execute the EDS, unless one partner or joint venture has been authorized to sign for the partnership or joint venture, in which case, the partnership agreement, resolution or evidence of such authority satisfactory to the Office of the Chief Procurement Officer must be submitted with this Signature Page.

If the Applicant is a member-managed LLC all members must execute the EDS, unless otherwise provided in the operating agreement, resolution or other corporate documents. If the Applicant is a manager-managed LLC, the manager(s) must execute the EDS. The Applicant must attach either a certified copy of the operating agreement, resolution or other authorization, satisfactory to the County, demonstrating such person has the authority to execute the EDS on behalf of the LLC. If the LLC is not registered in the State of Illinois, a copy of a current Certificate of Good Standing from the state of incorporation must be submitted with this Signature Page.

If the Applicant is a Sole Proprietorship, the sole proprietor must execute the EDS.

A "Partnership" "Joint Venture" or "Sole Proprietorship" operating under an Assumed Name must be registered with the Illinois county in which it is located, as provided in 805 ILCS 405 (2012), and documentation evidencing registration must be submitted with the EDS.

Effective October 1, 2016 all foreign corporations and LLCs must be registered with the Illinois Secretary of State's Office unless a statutory exemption applies to the applicant. Applicants who are exempt from registering must provide a written statement explaining why they are exempt from registering as a foreign entity with the Illinois Secretary of State's Office.

SECTION 2

CERTIFICATIONS

THE FOLLOWING CERTIFICATIONS ARE MADE PURSUANT TO STATE LAW AND THE CODE. THE APPLICANT IS CAUTIONED TO CAREFULLY READ THESE CERTIFICATIONS PRIOR TO SIGNING THE SIGNATURE PAGE. SIGNING THE SIGNATURE PAGE SHALL CONSTITUTE A WARRANTY BY THE APPLICANT THAT ALL THE STATEMENTS, CERTIFICATIONS AND INFORMATION SET FORTH WITHIN THESE CERTIFICATIONS ARE TRUE, COMPLETE AND CORRECT AS OF THE DATE THE SIGNATURE PAGE IS SIGNED. THE APPLICANT IS NOTIFIED THAT IF THE COUNTY LEARNS THAT ANY OF THE FOLLOWING CERTIFICATIONS WERE FALSELY MADE, THAT ANY CONTRACT ENTERED INTO WITH THE APPLICANT SHALL BE SUBJECT TO TERMINATION.

A. PERSONS AND ENTITIES SUBJECT TO DISQUALIFICATION

No person or business entity shall be awarded a contract or sub-contract, for a period of five (5) years from the date of conviction or entry of a plea or admission of guilt, civil or criminal, if that person or business entity:

- 1) Has been convicted of an act committed, within the State of Illinois, of bribery or attempting to bribe an officer or employee of a unit of state, federal or local government or school district in the State of Illinois in that officer's or employee's official capacity;
- 2) Has been convicted by federal, state or local government of an act of bid-rigging or attempting to rig bids as defined in the Sherman Anti-Trust Act and Clayton Act. Act. 15 U.S.C. Section 1 *et seq.*;
- 3) Has been convicted of bid-rigging or attempting to rig bids under the laws of federal, state or local government;
- 4) Has been convicted of an act committed, within the State, of price-fixing or attempting to fix prices as defined by the Sherman Anti-Trust Act and the Clayton Act. 15 U.S.C. Section 1, *et seq.*;
- 5) Has been convicted of price-fixing or attempting to fix prices under the laws the State;
- 6) Has been convicted of defrauding or attempting to defraud any unit of state or local government or school district within the State of Illinois;
- 7) Has made an admission of guilt of such conduct as set forth in subsections (1) through (6) above which admission is a matter of record, whether or not such person or business entity was subject to prosecution for the offense or offenses admitted to; or
- 8) Has entered a plea of *nolo contendere* to charge of bribery, price-fixing, bid-rigging, or fraud, as set forth in subparagraphs (1) through (6) above.

In the case of bribery or attempting to bribe, a business entity may not be awarded a contract if an official, agent or employee of such business entity committed the Prohibited Act on behalf of the business entity and pursuant to the direction or authorization of an officer, director or other responsible official of the business entity, and such Prohibited Act occurred within three years prior to the award of the contract. In addition, a business entity shall be disqualified if an owner, partner or shareholder controlling, directly or indirectly, 20% or more of the business entity, or an officer of the business entity has performed any Prohibited Act within five years prior to the award of the Contract.

THE APPLICANT HEREBY CERTIFIES THAT: The Applicant has read the provisions of Section A, Persons and Entities Subject to Disqualification, that the Applicant has not committed any Prohibited Act set forth in Section A, and that award of the Contract to the Applicant would not violate the provisions of such Section or of the Code.

B. BID-RIGGING OR BID ROTATING

THE APPLICANT HEREBY CERTIFIES THAT: *In accordance with 720 ILCS 5/33 E-11, neither the Applicant nor any Affiliated Entity is barred from award of this Contract as a result of a conviction for the violation of State laws prohibiting bid-rigging or bid rotating.*

C. DRUG FREE WORKPLACE ACT

THE APPLICANT HEREBY CERTIFIES THAT: The Applicant will provide a drug free workplace, as required by (30 ILCS 580/3).

D. DELINQUENCY IN PAYMENT OF TAXES

THE APPLICANT HEREBY CERTIFIES THAT: *The Applicant is not an owner or a party responsible for the payment of any tax or fee administered by Cook County, such as bar award of a contract or subcontract pursuant to the Code, Chapter 34, Section 34-171.*

E. HUMAN RIGHTS ORDINANCE

No person who is a party to a contract with Cook County ("County") shall engage in unlawful discrimination or sexual harassment against any individual in the terms or conditions of employment, credit, public accommodations, housing, or provision of County facilities, services or programs (Code Chapter 42, Section 42-30 *et seq.*).

F. ILLINOIS HUMAN RIGHTS ACT

THE APPLICANT HEREBY CERTIFIES THAT: *It is in compliance with the Illinois Human Rights Act (775 ILCS 5/2-105), and agrees to abide by the requirements of the Act as part of its contractual obligations.*

G. INSPECTOR GENERAL (COOK COUNTY CODE, CHAPTER 34, SECTION 34-174 and Section 34-250)

The Applicant has not willfully failed to cooperate in an investigation by the Cook County Independent Inspector General or to report to the Independent Inspector General any and all information concerning conduct which they know to involve corruption, or other criminal activity, by another county employee or official, which concerns his or her office of employment or County related transaction.

The Applicant has reported directly and without any undue delay any suspected or known fraudulent activity in the County's Procurement process to the Office of the Cook County Inspector General.

H. CAMPAIGN CONTRIBUTIONS (COOK COUNTY CODE, CHAPTER 2, SECTION 2-585)

THE APPLICANT CERTIFIES THAT: It has read and shall comply with the Cook County's Ordinance concerning campaign contributions, which is codified at Chapter 2, Division 2, Subdivision II, Section 585, and can be read in its entirety at www.municode.com.

I. GIFT BAN, (COOK COUNTY CODE, CHAPTER 2, SECTION 2-574)

THE APPLICANT CERTIFIES THAT: It has read and shall comply with the Cook County's Ordinance concerning receiving and soliciting gifts and favors, which is codified at Chapter 2, Division 2, Subdivision II, Section 574, and can be read in its entirety at www.municode.com.

J. LIVING WAGE ORDINANCE PREFERENCE (COOK COUNTY CODE, CHAPTER 34, SECTION 34-160;

Unless expressly waived by the Cook County Board of Commissioners, the Code requires that a living wage must be paid to individuals employed by a Contractor which has a County Contract and by all subcontractors of such Contractor under a County Contract, throughout the duration of such County Contract. The amount of such living wage is annually by the Chief Financial Officer of the County, and shall be posted on the Chief Procurement Officer's website.

The term "Contract" as used in Section 4, I, of this EDS, specifically excludes contracts with the following:

- 1) Not-For Profit Organizations (defined as a corporation having tax exempt status under Section 501(C)(3) of the United State Internal Revenue Code and recognized under the Illinois State not-for -profit law);
- 2) Community Development Block Grants;
- 3) Cook County Works Department;
- 4) Sheriff's Work Alternative Program; and
- 5) Department of Correction inmates.

SECTION 3

REQUIRED DISCLOSURES

1. DISCLOSURE OF LOBBYIST CONTACTS

List all persons that have made lobbying contacts on your behalf with respect to this contract:

Name	Address
None	

2. LOCAL BUSINESS PREFERENCE STATEMENT (CODE, CHAPTER 34, SECTION 34-230)

Local business means a Person, including a foreign corporation authorized to transact business in Illinois, having a bona fide establishment located within the County at which it is transacting business on the date when a Bid is submitted to the County, and which employs the majority of its regular, full-time work force within the County. A Joint Venture shall constitute a Local Business if one or more Persons that qualify as a "Local Business" hold interests totaling over 50 percent in the Joint Venture, even if the Joint Venture does not, at the time of the Bid submittal, have such a bona fide establishment within the County.

a) Is Applicant a "Local Business" as defined above?

Yes: ☒ No: ☐

b) If yes, list business addresses within Cook County:

4401 Roosevelt Road, Hillside, IL 60162

c) Does Applicant employ the majority of its regular full-time workforce within Cook County?

Yes: ☐ No: ☒

3. THE CHILD SUPPORT ENFORCEMENT ORDINANCE (CODE, CHAPTER 34, SECTION 34-172)

Every Applicant for a County Privilege shall be in full compliance with any child support order before such Applicant is entitled to receive or renew a County Privilege. When delinquent child support exists, the County shall not issue or renew any County Privilege, and may revoke any County Privilege.

All Applicants are required to review the Cook County Affidavit of Child Support Obligations attached to this EDS (EDS-5) and complete the Affidavit, based on the instructions in the Affidavit.

4. REAL ESTATE OWNERSHIP DISCLOSURES.

The Applicant must indicate by checking the appropriate provision below and providing all required information that either:

- a) The following is a complete list of all real estate owned by the Applicant in Cook County:

PERMANENT INDEX NUMBER(S): _____

(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX
NUMBERS)

OR:

- b) ☒ The Applicant owns no real estate in Cook County.

5. EXCEPTIONS TO CERTIFICATIONS OR DISCLOSURES.

If the Applicant is unable to certify to any of the Certifications or any other statements contained in this EDS and not explained elsewhere in this EDS, the Applicant must explain below:

NA

If the letters, "NA", the word "None" or "No Response" appears above, or if the space is left blank, it will be conclusively presumed that the Applicant certified to all Certifications and other statements contained in this EDS.

COOK COUNTY DISCLOSURE OF OWNERSHIP INTEREST STATEMENT

The Cook County Code of Ordinances (§2-610 *et seq.*) requires that any Applicant for any County Action must disclose information concerning ownership interests in the Applicant. This Disclosure of Ownership Interest Statement must be completed with all information current as of the date this Statement is signed. Furthermore, this Statement must be kept current, by filing an amended Statement, until such time as the County Board or County Agency shall take action on the application. The information contained in this Statement will be maintained in a database and made available for public viewing. **County reserves the right to request additional information to verify veracity of information contained in this statement.**

If you are asked to list names, but there are no applicable names to list, you must state NONE. An incomplete Statement will be returned and any action regarding this contract will be delayed. A failure to fully comply with the ordinance may result in the action taken by the County Board or County Agency being voided.

"Applicant" means any Entity or person making an application to the County for any County Action.

"County Action" means any action by a County Agency, a County Department, or the County Board regarding an ordinance or ordinance amendment, a County Board approval, or other County agency approval, with respect to contracts, leases, or sale or purchase of real estate.

"Person" "Entity" or "Legal Entity" means a sole proprietorship, corporation, partnership, association, business trust, estate, two or more persons having a joint or common interest, trustee of a land trust, other commercial or legal entity or any beneficiary or beneficiaries thereof.

This Disclosure of Ownership Interest Statement must be submitted by :

1. An Applicant for County Action and
2. A Person that holds stock or a beneficial interest in the Applicant and is listed on the Applicant's Statement (a "Holder") must file a Statement and complete #1 only under **Ownership Interest Declaration**.

Please print or type responses clearly and legibly. Add additional pages if needed, being careful to identify each portion of the form to which each additional page refers.

This Statement is being made by the ☒ Applicant or ☐ Stock/Beneficial Interest Holder

This Statement is an: ☒ Original Statement or ☐ Amended Statement

Identifying Information:

Name Builders Paving, LLC

D/B/A: _____ FEIN # Only: 27-2209007

Street Address: 4401 Roosevelt Road

City: Hillside State: Illinois Zip Code: 60162

Phone No.: (847) 419-9000 Fax Number: (847) 419-9050 Email: ssalinas@builderspavingllc.com

Cook County Business Registration Number: _____
(Sole Proprietor, Joint Venture Partnership)

Corporate File Number (if applicable): _____

Form of Legal Entity:

☐ Sole Proprietor ☐ Partnership ☐ Corporation ☐ Trustee of Land Trust

☐ Business Trust ☐ Estate ☐ Association ☐ Joint Venture

☒ Other (describe) Limited Liability Company

Ownership Interest Declaration:

1. List the name(s), address, and percent ownership of each Person having a legal or beneficial interest (including ownership) of more than five percent (5%) in the Applicant/Holder.

Name	Address	Percentage Interest in Applicant/Holder
SKEJG, LLC	321 Center Street, Hillside, IL 60162	100%

2. If the interest of any Person listed in (1) above is held as an agent or agents, or a nominee or nominees, list the name and address of the principal on whose behalf the interest is held.

Name of Agent/Nominee	Name of Principal	Principal's Address
N/A		

3. Is the Applicant constructively controlled by another person or Legal Entity? [☐] Yes [☒] No
If yes, state the name, address and percentage of beneficial interest of such person, and the relationship under which such control is being or may be exercised.

Name	Address	Percentage of Beneficial Interest	Relationship
N/A			

Corporate Officers, Members and Partners Information:

For all corporations, list the names, addresses, and terms for all corporate officers. For all limited liability companies, list the names, addresses for all members. For all partnerships and joint ventures, list the names, addresses, for each partner or joint venture.

Name	Address	Title (specify title of Office, or whether manager or partner/joint venture)	Term of Office
SKEJG, LLC	321 Center Street, Hillside, IL 60162	Owner	Indefinitely

Declaration (check the applicable box):

- ☐ I state under oath that the Applicant has withheld no disclosure as to ownership interest in the Applicant nor reserved any information, data or plan as to the intended use or purpose for which the Applicant seeks County Board or other County Agency action.
- ☒ I state under oath that the Holder has withheld no disclosure as to ownership interest nor reserved any information required to be disclosed.

COOK COUNTY DISCLOSURE OF OWNERSHIP INTEREST STATEMENT SIGNATURE PAGE

Steven Salinas

Vice President

Name of Authorized Applicant/Holder Representative (Please print or type)

Title

Signature

ssalinas@builderspavingllc.com

E-mail address

12/11/24

Date

(847) 419-9000

Phone Number



Subscribed to and sworn before me
this 11th day of Dec, 2024.

My commission expires:

x Kaitlyn E. Weiher
Notary Public Signature

7/7/26
Notary Seal





COOK COUNTY BOARD OF ETHICS
 69 W. WASHINGTON STREET, SUITE 3040
 CHICAGO, ILLINOIS 60602
 312/603-4304 Office 312/603-9988 Fax

FAMILIAL RELATIONSHIP DISCLOSURE PROVISION

Nepotism Disclosure Requirement:

Doing a significant amount of business with the County requires that you disclose to the Board of Ethics the existence of any familial relationships with any County employee or any person holding elective office in the State of Illinois, the County, or in any municipality within the County. The Ethics Ordinance defines a significant amount of business for the purpose of this disclosure requirement as more than \$25,000 in aggregate County leases, contracts, purchases or sales in any calendar year.

If you are unsure of whether the business you do with the County or a County agency will cross this threshold, err on the side of caution by completing the attached familial disclosure form because, among other potential penalties, any person found guilty of failing to make a required disclosure or knowingly filing a false, misleading, or incomplete disclosure will be prohibited from doing any business with the County for a period of three years. The required disclosure should be filed with the Board of Ethics by January 1 of each calendar year in which you are doing business with the County and again with each bid/proposal/quotation to do business with Cook County. The Board of Ethics may assess a late filing fee of \$100 per day after an initial 30-day grace period.

The person that is doing business with the County must disclose his or her familial relationships. If the person on the County lease or contract or purchasing from or selling to the County is a business entity, then the business entity must disclose the familial relationships of the individuals who are and, during the year prior to doing business with the County, were:

- its board of directors,
- its officers,
- its employees or independent contractors responsible for the general administration of the entity,
- its agents authorized to execute documents on behalf of the entity, and
- its employees who directly engage or engaged in doing work with the County on behalf of the entity.

Do not hesitate to contact the Board of Ethics at (312) 603-4304 for assistance in determining the scope of any required familial relationship disclosure.

Additional Definitions:

“*Familial relationship*” means a person who is a spouse, domestic partner or civil union partner of a County employee or State, County or municipal official, or any person who is related to such an employee or official, whether by blood, marriage or adoption, as a:

☐ Parent	☐ Grandparent	☐ Stepfather
☐ Child	☐ Grandchild	☐ Stepmother
☐ Brother	☐ Father-in-law	☐ Stepson
☐ Sister	☐ Mother-in-law	☐ Stepdaughter
☐ Aunt	☐ Son-in-law	☐ Stepbrother
☐ Uncle	☐ Daughter-in-law	☐ Stepsister
☐ Niece	☐ Brother-in-law	☐ Halfbrother
☐ Nephew	☐ Sister-in-law	☐ Halfsister

**COOK COUNTY BOARD OF ETHICS
FAMILIAL RELATIONSHIP DISCLOSURE FORM**

A. PERSON DOING OR SEEKING TO DO BUSINESS WITH THE COUNTY

Name of Person Doing Business with the County: Builders Paving, LLC

Address of Person Doing Business with the County: 4401 Roosevelt Road, Hillside, IL 60162

Phone number of Person Doing Business with the County: (847) 419-9000

Email address of Person Doing Business with the County: ssalinas@builderspavingllc.com

If Person Doing Business with the County is a Business Entity, provide the name, title and contact information for the individual completing this disclosure on behalf of the Person Doing Business with the County:
Steven Salinas, Vice President

ssalinas@builderspavingllc.com

B. DESCRIPTION OF BUSINESS WITH THE COUNTY

Append additional pages as needed and for each County lease, contract, purchase or sale sought and/or obtained during the calendar year of this disclosure (or the proceeding calendar year if disclosure is made on January 1), identify:

The lease number, contract number, purchase order number, request for proposal number and/or request for qualification number associated with the business you are doing or seeking to do with the County: _____

Contract 2411-1016 0

The aggregate dollar value of the business you are doing or seeking to do with the County: \$ 22,166,800.00

The name, title and contact information for the County official(s) or employee(s) involved in negotiating the business you are doing or seeking to do with the County: _____

Kimberlei Aaron, Contract Negotiator, kimberlei.aaron@cookcountyil.gov

The name, title and contact information for the County official(s) or employee(s) involved in managing the business you are doing or seeking to do with the County: _____

Raffi Sarraflan, Chief Procurement Officer

C. DISCLOSURE OF FAMILIAL RELATIONSHIPS WITH COUNTY EMPLOYEES OR STATE, COUNTY OR MUNICIPAL ELECTED OFFICIALS

Check the box that applies and provide related information where needed

- ☐ The Person Doing Business with the County **is an individual** and there is **no familial relationship** between this individual and any Cook County employee or any person holding elective office in the State of Illinois, Cook County, or any municipality within Cook County.
- ☒ The Person Doing Business with the County **is a business entity** and there is **no familial relationship** between any member of this business entity's board of directors, officers, persons responsible for general administration of the business entity, agents authorized to execute documents on behalf of the business entity or employees directly engaged in contractual work with the County on behalf of the business entity, and any Cook County employee or any person holding elective office in the State of Illinois, Cook County, or any municipality within Cook County.

**COOK COUNTY BOARD OF ETHICS
FAMILIAL RELATIONSHIP DISCLOSURE FORM**

- ☐ The Person Doing Business with the County is **an individual** and **there is a familial relationship** between this individual and at least one Cook County employee and/or a person or persons holding elective office in the State of Illinois, Cook County, and/or any municipality within Cook County. **The familial relationships are as follows:**

Name of Individual Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

If more space is needed, attach an additional sheet following the above format.

- ☐ The Person Doing Business with the County is **a business entity** and **there is a familial relationship** between at least one member of this business entity's board of directors, officers, persons responsible for general administration of the business entity, agents authorized to execute documents on behalf of the business entity and/or employees directly engaged in contractual work with the County on behalf of the business entity, on the one hand, and at least one Cook County employee and/or a person holding elective office in the State of Illinois, Cook County, and/or any municipality within Cook County, on the other. **The familial relationships are as follows:**

Name of Member of Board of Director for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Name of Officer for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Name of Person Responsible for the General Administration of the Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Name of Agent Authorized to Execute Documents for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Name of Employee of Business Entity Directly Engaged in Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

If more space is needed, attach an additional sheet following the above format.

VERIFICATION: To the best of my knowledge, the information I have provided on this disclosure form is accurate and complete. I acknowledge that an inaccurate or incomplete disclosure is punishable by law, including but not limited to fines and imprisonment.

Signature of Recipient Steven Salinas, Vice President

12/11/24
Date



SUBMIT COMPLETED FORM TO: Cook County Board of Ethics
69 West Washington Street, Suite 3040, Chicago, Illinois 60602
Office (312) 603-4304 – Fax (312) 603-9988
CookCounty.Ethics@cookcountyil.gov

* Spouse, domestic partner, civil union partner or parent, child, sibling, aunt, uncle, niece, nephew, grandparent or grandchild by blood, marriage (*i.e.* in laws and step relations) or adoption.

SECTION 4

COOK COUNTY AFFIDAVIT FOR WAGE THEFT ORDINANCE

Effective May 1, 2015, every Person, ***including Substantial Owners***, seeking a Contract with Cook County must comply with the Cook County Wage Theft Ordinance set forth in Chapter 34, Article IV, Section 179. Any Person/Substantial Owner, who fails to comply with Cook County Wage Theft Ordinance, may request that the Chief Procurement Officer grant a reduction or waiver in accordance with Section 34-179(d).

"Contract" means any written document to make Procurements by or on behalf of Cook County.

"Person" means any individual, corporation, partnership, Joint Venture, trust, association, limited liability company, sole proprietorship or other legal entity.

"Procurement" means obtaining supplies, equipment, goods, or services of any kind.

"Substantial Owner" means any person or persons who own or hold a twenty-five percent (25%) or more percentage of interest in any business entity seeking a County Privilege, including those shareholders, general or limited partners, beneficiaries and principals; except where a business entity is an individual or sole proprietorship, Substantial Owner means that individual or sole proprietor.

All Persons/Substantial Owners are required to complete this affidavit and comply with the Cook County Wage Theft Ordinance before any Contract is awarded. Signature of this form constitutes a certification the information provided below is correct and complete, and that the individual(s) signing this form has/have personal knowledge of such information. **County reserves the right to request additional information to verify veracity of information contained in this Affidavit.**

I. Contract Information:

Contract Number: 2411-10160

County Using Agency (requesting Procurement): Cook County Dept. of Transportation and Highways

II. Person/Substantial Owner Information:

Person (Corporate Entity Name): Builders Paving, LLC

Substantial Owner Complete Name: SKEJG, LLC

FEIN# 22-2209007

Date of Birth: _____ E-mail address: ssalinas@builderspavingllc.com

Street Address: 4401 Roosevelt Road

City: Hillside State: Illinois Zip: 60162

III. Compliance with Wage Laws:

Within the past five years has the Person/Substantial Owner, in any judicial or administrative proceeding, been convicted of, entered a plea, made an admission of guilt or liability, or had an administrative finding made for committing a repeated or willful violation of any of the following laws:

No	<i>Illinois Wage Payment and Collection Act, 820 ILCS 115/1 et seq.,</i> YES or NO
No	<i>Illinois Minimum Wage Act, 820 ILCS 105/1 et seq.,</i> YES or NO
No	<i>Illinois Worker Adjustment and Retraining Notification Act, 820 ILCS 65/1 et seq.,</i> YES or NO
No	<i>Employee Classification Act, 820 ILCS 185/1 et seq.,</i> YES or NO
No	<i>Fair Labor Standards Act of 1938, 29 U.S.C. 201, et seq.,</i> YES or NO
No	<i>Any comparable state statute or regulation of any state, which governs the payment of wages</i> YES or NO

If the Person/Substantial Owner answered "Yes" to any of the questions above, it is ineligible to enter into a Contract with Cook County, but can request a reduction or waiver under **Section IV**.

IV. Request for Waiver or Reduction

If Person/Substantial Owner answered “**Yes**” to any of the questions above, it may request a reduction or waiver in accordance with Section 34-179(d), provided that the request for reduction of waiver is made on the basis of one or more of the following actions that have taken place:

- No There has been a bona fide change in ownership or Control of the ineligible Person or Substantial Owner. YES or NO
- No Disciplinary action has been taken against the individual(s) responsible for the acts giving rise to the violation. YES or NO
- No Remedial action has been taken to prevent a recurrence of the acts giving rise to the disqualification or default. YES or NO
- No Other factors that the Person or Substantial Owner believe are relevant. YES or NO

The Person/Substantial Owner must submit documentation to support the basis of its request for a reduction or waiver. The Chief Procurement Officer reserves the right to make additional inquiries and request additional documentation.

V. Affirmation

The Person/Substantial Owner affirms that all statements contained in the Affidavit are true, accurate and complete.

Signature: _____

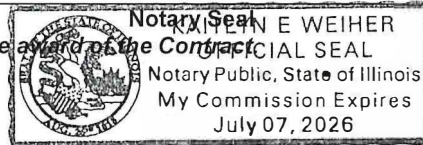
Date: **12/11/24**

Name of Person signing (Print): **Steven Salinas** Title: **Vice President**

Subscribed and sworn to before me this **11th** day of **December**, 20**24**

x Kaitlyn E. Weiher
Notary Public Signature

Note: The above information is subject to verification prior to the award of the Contract.



SECTION 5

CONTRACT AND EDS EXECUTION PAGE

The Applicant hereby certifies and warrants that all of the statements, certifications and representations set forth in this EDS are true, complete and correct; that the Applicant is in full compliance and will continue to be in compliance throughout the term of the Contract or County Privilege issued to the Applicant with all the policies and requirements set forth in this EDS; and that all facts and information provided by the Applicant in this EDS are true, complete and correct. The Applicant agrees to inform the Chief Procurement Officer in writing if any of such statements, certifications, representations, facts or information becomes or is found to be untrue, incomplete or incorrect during the term of the Contract or County Privilege.

Execution by Corporation

Corporation's Name	President's Printed Name and Signature
Telephone	Email
Secretary Signature	Date
Builders Paving, LLC	<i>[Signature]</i> Steven Salinas, Vice President
LLC Name	*Member/Manager Printed Name and Signature
12/11/24	(847) 419-9000 stevensalinas@builderspavingllc.com
Date	Telephone and Email

Execution by LLC

Execution by Partnership/Joint Venture

Partnership/Joint Venture Name	*Partner/Joint Venturer Printed Name and Signature
Date	Telephone and Email

Execution by Sole Proprietorship

Printed Name Signature	Assumed Name (if applicable)
Date	Telephone and Email

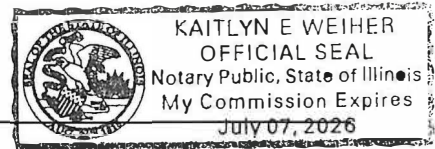
Subscribed and sworn to before me this
11th day of December, 2024.

Kaitlyn E. Weiher
Notary Public Signature

My commission expires:

7/7/26

Notary Seal



*If the operating agreement, partnership agreement or governing documents requiring execution by multiple members, managers, partners, or joint venturers, please complete and execute additional Contract and EDS Execution Pages.

SECTION 6
COOK COUNTY SIGNATURE PAGE

ON BEHALF OF THE COUNTY OF COOK, A BODY POLITIC AND CORPORATE OF THE STATE OF ILLINOIS, THIS CONTRACT IS
HEREBY EXECUTED BY:

Raffi Sarrafian

Digitally signed by Raffi Sarrafian
Date: 2025.02.26 09:40:24 -06'00'

Cook County Chief Procurement Officer

Date

APPROVED AS TO FORM:

Brian Tracy

Assistant State's Attorney
(Required on contracts over \$1,000,000)

1/21/2025

Date

CONTRACT TERM & AMOUNT

2411-10160

Contract #

February 20, 2025 through December 29, 2028

Original Contract Term

Renewal Options (If Applicable)

\$22,188,808.00

Contract Amount

February 6, 2025

Cook County Board Approval Date (If Applicable)

APPROVED BY THE BOARD OF

COOK COUNTY COMMISSIONERS

FEB 06 2025

COM

**CONTRACT
(SECTION 10)**

This AGREEMENT made and entered into this 20 day of February A.D., 20 25 by and between the County of Cook, party of the first part and hereinafter called County, and Builders Paving, LLC, party of the second part and hereinafter called Contractor.

WITNESSETH:

That for and in consideration of the payments to be made by the said County as hereinafter provided, the said Contractor hereby covenants and agrees with the said County to do all the work and furnish all the labor, materials, machinery, apparatus, implements, tools, and other things necessary for the improvement of a section of the public highway known as Cook County Contract:

**2022 Pavement Rehabilitation Program
North Corridors Package 3
Section Number 22-PRPN1-00-PV
Route No W80, A72, A68, A62, and W34**

COOK COUNTY PROCUREMENT CONTRACT NO.: 2411-10160

at his own cost and expense, free from all liens, claims, and charges whatsoever, and in a good substantial, thorough and workmanlike manner, and in strict and full accordance, conformity and compliance with all the terms and conditions of this contract and the requirements under it of the Superintendent of Department of Transportation and Highways of Cook County, Illinois, and under the direction and to the satisfaction of the said Superintendent of Department of Transportation and Highways.

It is expressly understood and agreed by and between said County and said Contractor that the Bid hereto attached and Notice to Contractors, Specifications, Plans, Maps, Blue Prints, and Drawings, on file in the Office of the Superintendent of Department of Transportation and Highways of Cook County, Illinois, and in the office of the Department of Transportation, Springfield, Illinois, copies of which are hereto attached, hereby are included in and made a part of this contract.

The Contractor shall not begin construction operations until the contract has been approved by the Board of Cook County Commissioners and fully executed by the County. Subsequent to contract execution, the Contractor will be notified by a notice-to-proceed letter from the Superintendent of Cook County Department of Transportation of Highways to commence operations on a specified date. The undersigned agrees to start construction operations on the date specified and to complete the proposed improvement in full compliance with the contract on or before **March 30 2026**. The contract period is February 20, 2025 through **December 29, 2028**.

The Superintendent of Cook County Department of Transportation and Highways shall at the end of each month make an estimate in writing, such as in his opinion shall be just and fair, of the amount of materials furnished, delivered, properly set in place and incorporated into the herein described improvement, and the amount of work properly done by said Contractor in the performance of the work hereunder and the value thereof under and according to the terms of this contract.

The first estimate shall cover the amount of work performed and the value of the materials properly set in place and incorporated into the herein described improvement since said Contractor commenced the performance of this contract, and each subsequent estimate, except the final one, shall be of the amount of work performed and the value of the materials properly set in place and incorporated into said improvement since the last preceding estimate was made.

Such estimates of amount and quality shall not be required to be made by strict measurement, but shall be sufficient if they are made approximately only, and each such estimate shall be submitted to the Board of County Commissioners of Cook County and upon approval by said Board of Commissioners said County shall pay to said Contractor ninety per cent (90%) of the amount stated in said estimates.

At least one week before each payment falls due, said Contractor shall submit to said Superintendent of Department of Transportation and Highways requisition for such payment, and, shall, if required, submit therewith an itemized statement of the quantities and cost and proportionate profit of work performed to the termination of the period to be covered by such payment, together with an affidavit setting forth that the items in said statement are true and just, that the services were rendered, that the articles or materials were furnished, that the sum claimed is due and unpaid, after allowing all just credits, that all labor, materials, apparatus, fixtures, and machinery furnished or used have been paid for, and if not, stating those not paid for, giving the amount due, to whom due, and for what due, attaching to said affidavit waivers of lien from those mentioned in said exceptions as having unpaid claims, and such affidavit shall contain such other matter as may be deemed necessary by the said Superintendent of Department of Transportation and Highways to protect said County in its payments, and any such statement shall not be binding upon said Superintendent of Department of Transportation and Highways.

There shall be deducted from the amount so determined for the first fifty (50) percent of the completed work a sum of ten (10) percent to be retained until after the completion of the entire work to the satisfaction of the County. After fifty (50) percent or more of the work is completed, the County may, at its discretion, certify the remaining partial payments without any further retention, provided that satisfactory progress is being made, and provided that the amount retained is not less than five (5) percent of the total adjusted contract price.

It is expressly agreed by the parties hereto that in the event any defects or imperfections in the materials or workmanship to be furnished by the Contractor herein appear within the period of one year from the date of completion of all the work mentioned herein and the acceptance thereof by said County, the Contractor will, upon notice from the said Superintendent of Department of Transportation and Highways, (which notice may be given by letter mailed to said Contractor to the business address of the

Contractor shown in the Proposal), repair and make good at his own cost any such defects or imperfections and replace any defective or imperfect materials or workmanship with other materials or workmanship satisfactory to said Superintendent of Department of Transportation and Highways, and furnish all such new materials and labor as may be necessary to do so; and in the event of the failure, refusal or delay of said Contractor to so make good, repair or replace said workmanship or materials, said County may do so or have same done by others, and said Contractor and the surety or sureties on his bond given for the faithful performance of this contract shall be liable to the County of Cook for all damages and expense occasioned by such failure, refusal or delay.

It is expressly and mutually covenanted and agreed that all of the Plans and Specifications hereinbefore mentioned and this Instrument together are the documents forming the contract between said County and said Contractor and are correlative, and whatever may be provided for and required by one of said documents shall be as binding as if provided for and required by two or more of them.

The Contractor expressly agrees that not less than the general prevailing rate of wages as found by The Board of County Commissioners for the County of Cook in accordance with the provisions of "An Act regulating wages of laborers, mechanics and other workmen employed under contracts for public works", Approved June 26, 1941, as amended, or such wage rates as may be determined by the court on appeal as in said Act provided, shall be paid to all laborers, workmen and mechanics performing work under this contract. The prevailing wage rates as found by the said Board of County Commissioners are on file in the office of the County Clerk for the County of Cook.

It is expressly understood and agreed that if the said Contractor shall fail, refuse or neglect to comply with said contract and Plans and Specifications or any provisions therein contained, or to proceed according to the terms of said contract and Plans and Specifications or any part thereof, in the manner and at the time as directed by the said Superintendent of Department of Transportation and Highways, then the said County shall have the right, and The Board of County Commissioners of Cook County is hereby given authority on behalf of the said County to declare this contract forfeited, and the said County may re-bid the whole or any part thereof upon such terms as it may see fit without prejudice to any of its rights herein.

It is expressly understood and agreed by the parties hereto that the Superintendent of Department of Transportation and Highways shall fix and determine the amount of damages to be paid to said County by the said Contractor by reason of the failure or refusal to perform this contract or comply with the provisions thereof as aforesaid, and the said Contractor hereby agrees to be held liable for the amount so fixed and determined and agrees to pay such amount; and the said County shall apply in payment of any such amount so fixed and determined any and all sums on hand or due and owing to said Contractor, and if there be not sufficient money on hand or due and owing to said Contractor to balance and pay said amount so fixed and determined, then, in such case, any amount remaining unpaid shall be a valid and subsisting claim against the said Contractor and the surety or sureties on his bond given for the faithful performance of this agreement.

**2022 Pavement Rehabilitation Program –
North Corridors Package 3
Project Limits - Various
Section Number 22-PRPN1-00-PV
Contract Number**

**CONTRACT
EXHIBIT A
SCHEDULING**

It is understood that time is of the essence to the contract. The following project milestones will apply to this contract. Failure to meet milestone dates listed below will result in liquidated damages being applied in accordance with Article 108.09 of the Standard Specifications. An extension of time for each requirement may be granted in accordance with Article 108.08 of the Standard Specifications.

Milestone 1:

Requirement: Submittal of Start-up Paperwork

- Start-up Paperwork includes but is not limited to
 - Baseline Schedule
 - Corridor S21 Sunset Ridge Road shall be prioritized for construction
 - Requests for Approval of Subcontractor
 - List of Suppliers
 - Emergency Information
 - Traffic Signal and Street Lighting Material Approval Requests with Shop Drawings
 - Other long-lead items requiring material approval
 - E-Builder Submittal Registry
 - Identification of project staff for e-Builder and scheduling of e-Builder training

Restriction: Requirement completed on or before 2 weeks from receipt of Notice to Proceed.

Due Date: **2 WEEKS FROM NOTICE TO PROCEED**

Interim Milestone 1a:

Requirement: Begin construction of Sunset Ridge corridor improvements

Restriction: Requirement completed on or before 6 weeks from receipt of Notice to Proceed.

Due Date: **6 WEEKS FROM NOTICE TO PROCEED**

Milestone 2:

Requirement: Project Substantial Completion / Final Inspection / Generation of Punch List

Note: The Punch List will be provided one (1) working day after the Project Closeout Milestone.

Note: A Holdback Report will be provided at the Final Inspection

Project Substantial Completion is defined that **ALL** contract work on the project must be completed in entirety including inspections/turn-ons of all electrical, mechanical, and utility systems, the project is ready for final inspection, and the final inspection is completed on or before this date.

NOTE: Milestone dates are determined during contract execution and the final inspection will be performed on the date of this Milestone regardless of status of completion of work. If all work is not completed, the results of the inspection will be used for liquidated damages if they are assessed.

**2022 Pavement Rehabilitation Program –
North Corridors Package 3
Project Limits - Various
Section Number 22-PRPN1-00-PV
Contract Number**

The Contractor and the Resident Engineer shall coordinate and schedule the Final Inspection with Cook County's Construction Bureau at least four (4) weeks prior to the date of this milestone. Notices shall be provided via email appointments to all interested parties.

Restriction: Requirement completed **on or before** the date of the due date.

Due Date: October 31, 2025

Milestone 3:

Requirement: **Completion and Inspection of All Punch List Work / Project Acceptance / Submittal of Performance Bonds.**

All Punch List items must be resolved, corrected, and inspected in accordance with the Contract and to the satisfaction of the Engineer. **ALL** work shall be completed on the project and there should no longer be any Contractor activity on site after this Milestone with the exception of performance and establishment punch list work as needed.

NOTE: Milestone dates are determined during contract execution and inspection of punch list work will be performed on the date of this Milestone regardless of completion of punch list. If punch list is not completed, the results of the inspection will be used for liquidated damages if they are assessed.

The Contractor and the Resident Engineer shall coordinate and formally schedule the Final Inspection of All Punch List Work at least two (2) weeks prior to the date of this milestone. Notices shall be provided via email appointments to all interested parties

Restrictions: Requirement completed **on or before** 30 calendar days from the project substantial completion / final inspection / generation of punch list Milestone.

Due Date: November 28, 2025

Milestone 4:

Requirement: **Resolution and Submittal of All Pay Item Documentation**

Note: A Holdback Report will be provided at the Final Inspection

All missing pay item documentation indicated on the Holdback Report provided at the final inspection must be submitted to the satisfaction of the Engineer. This includes but is not limited to outstanding evidence of material inspection, delivery tickets and certified payrolls. Additional items, as applicable, includes warranty certificates and operation manuals.

Restriction: (For contracts less than \$20m) Requirement completed **on or before** 30 calendar days from Project Substantial Completion / Final Inspection / Generation of Punch List Milestone.
(For contracts equal to or greater than \$20m) Requirement completed **on or before** 45 calendar days from Project Substantial Completion / Final Inspection / Generation of Punch List Milestone.

Due Date: December 29, 2025

**2022 Pavement Rehabilitation Program –
North Corridors Package 3
Project Limits - Various
Section Number 22-PRPN1-00-PV
Contract Number**

Milestone 5:

Requirement A: Return of the Final Construction Report

The Final Construction Report shall be the mechanism for agreement to final quantities between the Department and the Contractor. Article 109.08 3rd paragraph shall be modified as follows:

As soon as possible after final inspection, the final quantities will be sent to the Contractor by email. The Contractor shall respond within 21 days of receipt by either signing and thus accepting the final quantities or by disagreeing in writing on the Final Construction Report, with each change noted, initialed, and dated on the line of the pay items involved with documentation and justification of such disagreement. Failure to respond within the 21 days will be considered as acceptance of final quantities and the Department will proceed with contract closeout. If documentation and justification of each disagreement is not provided at the time the final construction report is returned the disagreement will not be considered.

Restrictions: Return the Final Construction Report **on or before** 21 calendar days of receipt of Final Construction Report.

Due Date: **March 30, 2026**

Requirement B: Submittal of Any and All Written Notifications of Intent to File Claim (If Applicable)

Restrictions: Requirement completed **on or before** 21 calendar days following receipt of the Final Construction Report, and per Article 109.09 of the Standard Specification for Road and Bridge Construction, except Article 109.09(d) is modified as shown below:

109.09(d) Time of Submission. Notice of the intent to file a claim shall be given to the Department within 21 calendar days of receipt of the final quantities on the Final Construction Report. All claims submitted according to this Article shall be filed not later than 90 calendar days after the Department provides final quantities to the Contractor on the Final Construction Report. The 90 calendar days shall run from the date indicated on the final quantities' transmittal. The requirement of a general administrative claims cutoff time provided herein shall not constitute a waiver of any notification time requirements stated elsewhere in these specifications or the special provisions.

Due Date: **March 30, 2026**

Milestone 6

Requirement A: Resolution and Submittal of All Cook County Department of Transportation and Highways (CCDOTH) Required Closeout Paperwork

Resolution and Submittal of All Cook County Department of Transportation and Highways (CCDOTH) Required Closeout Paperwork is the milestone where final quantities must be agreed to between Cook County and the Contractor and all CCDOTH Closeout Paperwork must be submitted.

- CCDOTH Closeout Paperwork includes but is not limited to
 - Contractor's Affidavit (BC 141)
 - Affidavit of Subcontractors or Material Supplier (BC 151) for all subcontractors and suppliers utilized for this contract
 - M/W/DBE Payment Agreement (SBE 2115) for all minority subcontractors
 - All outstanding Pay Item Documentation due to final quantity negotiations

**2022 Pavement Rehabilitation Program –
North Corridors Package 3
Project Limits - Various
Section Number 22-PRPN1-00-PV
Contract Number**

Restrictions: (For contracts less than \$20m) Requirement completed **on or before** 2 calendar months from Return of the Final Construction Report
(For contracts equal to or greater than \$20m) Requirement completed **on or before** 3 calendar months from Return of the Final Construction Report

Due Date: May 28, 2026

Requirement B: **Submittal of Contract Claim(s) and all Relevant Information (If Applicable)**

Restrictions: Requirement completed **on or before** 90 calendar days following the receipt of Final Construction Report and per Article 109.09 of the Standard Specification for Road and Bridge Construction, except Article 109.09(d) is modified as shown below:

109.09(d) Time of Submission. Notice of the intent to file a claim shall be given to the Department within 21 calendar days of receipt of the final quantities on the Final Construction Report. All claims submitted according to this Article shall be filed not later than 90 calendar days after the Department provides final quantities to the Contractor on the Final Construction Report. The 90 calendar days shall run from the date indicated on the final quantities transmittal. The requirement of a general administrative claims cutoff time provided herein shall not constitute a waiver of any notification time requirements stated elsewhere in these specifications or the special provisions.

Due Date: May 28, 2026

**2022 Pavement Rehabilitation Program –
North Corridors Package 3
Project Limits - Various
Section Number 22-PRPN1-00-PV
Contract Number**

Milestone 7:

Requirement A: Fertilizer and Seeding Performance Inspection / Generation of Punch List

Note: The Fertilizer & Seeding Performance Punch List will be provided 1 working day after the Fertilizer and Seeding Performance & Establishment Inspection.

All Fertilizer and Seeding, shall be in place and all punch list work completed prior to the Completion and Inspection of All Punch List Work / Project Acceptance / Submittal of Performance Bonds Milestone and in place a minimum of 30 calendar days prior to the date of this performance inspection. Only after all planting establishment periods are met per the contract specifications for the various plant species, shall the Contractor be considered ready for the Fertilizer and Seeding Performance & Establishment inspection.

The Contractor and the Resident Engineer shall coordinate and schedule the Fertilizer and Seeding Performance & Establishment Inspection with the County's Construction Bureau at least four (4) weeks prior to the date of this milestone. Notices shall be provided via email appointments to all interested parties.

Restriction: Requirement completed on or before due date.

Due Date: April 10, 2026

Requirement B: Fertilizer and Seeding Completion and Inspection of All Performance Punch List Work / Performance Inspection Acceptance

All Fertilizer and Seeding Performance Punch List items must be resolved and corrected within 30 calendar days of the Fertilizer and Seeding Performance Inspection / Generation of Punch List Milestone in accordance with the Contract and to the satisfaction of the Engineer. This inspection will be performed 30 calendar days after the Fertilizer and Seeding Performance Inspection / Generation of Punch List Milestone regardless of status of completion of performance punch list work. If all performance punch list work is not completed, the results of the inspection will be used for liquidated damages if they are assessed.

The Contractor and Resident Engineer shall coordinate and schedule the Final Inspection of Fertilizer and Seeding Performance Punch List Work with the County's Construction Bureau at least two (2) weeks prior to the date of this milestone. Notices shall be provided via email appointments to all interested parties.

Restriction: Requirement completed on or before 30 calendar days from the Fertilizer and Seeding Performance Inspection / Generation of Punch List Milestone.

Due Date: May 11, 2026

**2022 Pavement Rehabilitation Program –
North Corridors Package 3
Project Limits - Various
Section Number 22-PRPN1-00-PV
Contract Number**

Milestone 8:

Requirement A: Fertilizer and Sod Performance Inspection / Generation of Punch List

Note: The Fertilizer & Sod Performance Punch List will be provided 1 working day after the Fertilizer and Sod Performance & Establishment Inspection.

All fertilizer and sod shall be in place and all punch list work completed prior to the Completion and Inspection of All Punch List Work / Project Acceptance / Submittal of Performance Bonds Milestone and in place a minimum of 30 calendar days prior to the date of this performance inspection. Only after all planting establishment periods are met per the contract specifications for the various plant species, shall the Contractor be considered ready for the Fertilizer and Sod Performance & Establishment inspection.

The Contractor and the Resident Engineer shall coordinate and schedule the Fertilizer and Sod Performance & Establishment Inspection with the County's Construction Bureau at least four (4) weeks prior to the date of this milestone. Notices shall be provided via email appoints to all interested parties.

Restriction: Requirement completed on or before the due date
Due Date: **April 10, 2026**

Requirement B: Fertilizer and Sod Completion of All Performance Punch List Work / Performance Inspection Acceptance

Fertilizer and Sod Performance Punch List items must be resolved and corrected within 30 calendar days of the Fertilizer and Sod Performance inspection / Generation of Punch List Milestone in accordance with the Contract and to the satisfaction of the Engineer. This inspection will be performed 30 calendar days after the Fertilizer and Sod Performance Inspection / Generation of Punch List Milestone regardless of status of completion of performance punch list work. If all performance punch list work is not complete, the results of the inspection will be used for liquidated damages if they are assessed.

The Contractor and Resident Engineer shall coordinate and schedule the Final Inspection of the Fertilizer and Sod Performance Punch List work with the County's Construction Bureau at least two (2) weeks prior to the date of this milestone. Notices shall be provided via email appointments to all interested parties.

Restriction: Requirement completed on or before 30 calendar days from the Fertilizer and Sod Performance Inspection / Generation of Punch List Milestone.
Due Date: **May 11, 2026**

**2022 Pavement Rehabilitation Program –
North Corridors Package 3
Project Limits - Various
Section Number 22-PRPN1-00-PV
Contract Number**

Milestone 9:

Requirement A: Pavement Markings Performance Inspection / Generation of Punch List

Note: The Pavement Marking Performance Inspection Punchlist will be provided 1 working day after the Pavement Marking Performance Inspection.

All Pavement Marking shall be in place and all punch list work completed prior to the Completion and Inspection of All Punch List Work / Project Acceptance / Submittal of Performance Bonds Milestone. All pavement markings shall be in place by November 30. Only after the subsequent winter performance period, per Article 780.13 of the Standard Specifications for Road and Bridge Construction. Only after the winter performance period shall the contractor be considered ready for the Pavement Marking Performance Inspection.

The Contractor and Resident Engineer shall coordinate and schedule the Pavement Marking Performance Inspection with the County's Construction Bureau at least four (4) weeks prior to the date of this milestone. Notices shall be provided via email appointments to all interested parties.

Restriction: Requirement completed within 15 calendar days following the end of the subsequent winter performance period.

Due Date: **April 10, 2026**

Requirement B: Pavement Marking Completion of All Performance Punch List Work / Performance Inspection Acceptance

All Pavement Marking Punch List items must be resolved and corrected within 45 calendar days of the Pavement Marking Performance Inspection / Generation of Punch List Milestone in accordance with the Contract and to the satisfaction of the Engineer. This inspection will be performed 45 days after the Pavement Marking Performance Inspection / Generation of Punch List Milestone regardless of status of completion of performance punch list work. If all performance punch list work is not completed, the results of the inspection will be used for liquidated damages if they are assessed.

The Contractor and Resident Engineer shall coordinate and schedule the Final Inspection of Pavement Marking Performance Punch List work with the County's Construction Bureau at least two (2) weeks prior to the date of this milestone. Notices shall be provided via email appointments to all interested parties.

Restriction: Requirement completed on or before 45 calendar days after Pavement Markings Performance Inspection / Generation of Punchlist Milestone.

Due Date: **May 25, 2026**

SURETY'S STATEMENT
of
QUALIFICATION FOR BONDING
 (Section 10)

This document must be accurately executed (by the Surety Company) and yielded as part of this Bid.

IF THIS DOCUMENT IS NOT ACCURATELY EXECUTED AND SUBMITTED WITH THE BID PACKAGE, THIS CONSTITUTES CAUSE FOR DISQUALIFICATION OF THE VENDOR FROM BIDDING ON THIS CONTRACT.

The undersigned confirms that: _____
 (SURETY COMPANY)

would execute a Performance/Payment Bond in favor of the County of Cook for the full amount of the bid/contract: **2411-10160**

to: _____
 (BIDDER)

The penalty of this bond is to be \$ _____
 (TOTAL DOLLAR AMOUNT OF CONTRACT)

SURETY _____
 (SURETY COMPANY'S AUTHORIZED SIGNATURE)

CORPORATE

 (ATTORNEY-IN-FACT)

 AMB # NAIC

SEAL



January 8, 2025

Cook County
Attn: Kimberlei Aaron/Elaine McLaughlin
Office of the Chief Procurement Officer
161 North Clark Street
Suite 2300
Chicago, IL 60602

RE: 2022 Pavement Rehabilitation Program – North Corridors Package 3
Contract No. 2411-10160
Section No. 22-PRPN1-00-PV
Cook County
Builders Job No. 90-25001

Please be advised that Builders Paving, LLC chooses to opt out of the Trust Agreement Provision for the above referenced project.

Should you have any questions or require any additional information, please feel free to contact our office anytime.

Sincerely,

Steven Salinas
Vice President
Builders Paving, LLC

OPTIONAL

NO

**COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
TRUST AGREEMENT**

THIS TRUST AGREEMENT is made and entered into by and between the County of Cook, by and through the Department of Transportation and Highways, whose address is 69 West Washington, Suite 2300, Chicago, Illinois, 60602, hereinafter called the COUNTY, and _____, whose address is _____, IL hereinafter called the CONTRACTOR, and _____, a FINANCIAL INSTITUTION or trust company located in Cook County, whose deposits are insured by an agency or instrumentality of the federal government and whose address is _____, IL, phone number (____) _____ hereinafter called the FINANCIAL INSTITUTION. The contact person for the FINANCIAL INSTITUTION is: _____. The account number in which the funds are held is: _____.

WITNESSETH:

WHEREAS the COUNTY has awarded to the CONTRACTOR Cook County contract number _____

**2022 Pavement Rehabilitation Program – North Corridors Package 3
Section Number 22-PRPN1-00-PV
Route No W80, A72, A68, A62, and W34**

COOK COUNTY PROCUREMENT CONTRACT NO.: 2411-10160

providing for the construction of a COUNTY highway improvement for a total price of \$_____ dollars; and

WHEREAS under Section 5-409 of the Illinois Highway Code, as amended, the COUNTY is authorized to make progress payments as the CONTRACTOR performs the work under the contract and may retain a percentage of progress payments; and

WHEREAS the COUNTY may, at the request of CONTRACTOR, deposit the retainage under a Trust Agreement with a FINANCIAL INSTITUTION of the CONTRACTOR'S choice which is located in Cook County and has been approved for the deposit of such funds by the Superintendent of the Cook County Department of Transportation and Highways pursuant to Cook County Code Section 34-36; and

WHEREAS by execution of this Agreement, the CONTRACTOR and said FINANCIAL INSTITUTION request that the retainage be deposited with said FINANCIAL INSTITUTION as provided by law.

NOW THEREFORE, the parties do hereby agree that:

1. This Agreement shall not change any of the rights, duties, privileges or responsibilities of the parties to the above-referenced construction contract, except as may be provided herein.

2. Notwithstanding the provisions of this Agreement, the COUNTY may withhold progress payments or any portion thereof on account of lien claims, liquidated damages, or as may otherwise be provided by the above contract or by law.

3. All progress payments, including final payment under the above contract, shall be made by COUNTY warrants payable to the CONTRACTOR and FINANCIAL INSTITUTION, as trustee, jointly, and such payments shall be sent to the FINANCIAL INSTITUTION at the above address.

4. The progress payments shall specify on a copy of the COUNTY'S invoice to be mailed with the warrant the amount thereof to be paid to the CONTRACTOR and the amount to be held by the FINANCIAL INSTITUTION as retainage under this Agreement.

5. The money so held by the FINANCIAL INSTITUTION shall be described as "retainage" and shall be held in trust according to the terms of this Agreement. Interest earned on the retainage may be paid to the CONTRACTOR as it accrues or as the FINANCIAL INSTITUTION'S policy permits.

6. The principal balance of the retainage, or any part thereof, shall not be paid over to the CONTRACTOR except upon written directive to the FINANCIAL INSTITUTION by the COUNTY.

7. The FINANCIAL INSTITUTION may invest or reinvest said retainage in:

- a. Certificates of Deposit issued by a financial institution whose principal office is located in Cook County, including this FINANCIAL INSTITUTION;
- b. United States Government Bonds;
- c. United States Treasury Notes;
- d. United States Treasury Bills;
- e. Time Deposit on Open Account.

Provided, however, that the investment of said retainage shall not relieve the FINANCIAL INSTITUTION from the return or repayment of such funds within ninety (90) days as provided in this Agreement.

8. Retainage is the property of the COUNTY until notice of final payment, and the principal amount, or any part thereof, shall not be pledged or used as security for any purpose.

9. The COUNTY shall be the sole judge of return or repayment of the funds to the Cook County Treasurer. Upon written demand made by the COUNTY to the FINANCIAL INSTITUTION for the return or repayment of the retainage, the FINANCIAL INSTITUTION shall make such return or repayment regardless of whether the COUNTY shall state any reason therefor and without imposition of any other requirements or conditions. The funds shall not be transferred by the FINANCIAL INSTITUTION without the approval of the COUNTY.

10. The repayment or return of retainage to the COUNTY shall be by check from the FINANCIAL INSTITUTION payable to the Treasurer of Cook County and shall be mailed to the COUNTY within ninety (90) days after the COUNTY'S demand.

11. The CONTRACTOR does not waive or release any rights he has against the COUNTY for breach of contract, including this Agreement, by reason of the repayment by the FINANCIAL INSTITUTION to the COUNTY on account of demand made by the COUNTY.

12. In the event demand for the retainage is made under this Agreement by the COUNTY, the COUNTY may specify, in its sole judgment, the amount to be repaid or returned as all or part of the principal balance of the retainage. This Agreement shall continue as to any retainage not returned to the COUNTY and any future payments by the COUNTY to the CONTRACTOR.

13. Upon return or repayment of the full principal balance of the retainage to the COUNTY, this Agreement shall terminate and have no further force or effect.

14. The FINANCIAL INSTITUTION shall confirm and provide account balances each year by June 30th to: The Cook County Department of Transportation and Highways, Bureau Chief of Construction at 69 West Washington Street, 23rd Floor, Chicago, Illinois 60602. The FINANCIAL INSTITUTION'S failure to comply with this provision shall be reason to demand return of the retainage pursuant to this Agreement.

15. At no time shall any balance(s) on the account be escheated.

16. The COUNTY shall provide notice of final payment to the FINANCIAL INSTITUTION and the CONTRACTOR. When said final payment is made, this Agreement shall be terminated, and the retainage or interest thereon shall be paid to the CONTRACTOR by the FINANCIAL INSTITUTION. The COUNTY and the CONTRACTOR agree that the

date of mailing such notice of final payment to the FINANCIAL INSTITUTION shall constitute the date of final payment to the CONTRACTOR under the contract. Any provisions of the contract regarding final payment shall be deemed to have been complied with regardless of any delay in the CONTRACTOR'S receiving said final payment or any retainage and interest thereon from the FINANCIAL INSTITUTION.

17. The FINANCIAL INSTITUTION shall look only to the CONTRACTOR to pay any costs or fees for either its services or expenses hereunder and no deduction shall be made therefor for any retainage or interest thereon except such deduction that may be made after final payment has been made.

18. Failure of the FINANCIAL INSTITUTION to comply with any of the terms of this Agreement shall be cause for the COUNTY to refuse approval of the FINANCIAL INSTITUTION as a party to any future Trust Agreements.

IN WITNESS WHEREOF the parties to this Trust Agreement have hereunder signed and executed this Trust Agreement this _____ day of _____, 20__.

(To be dated by the COUNTY.)

CONTRACTOR

Company Name

By: _____

Printed Name: _____

Title: _____

ATTEST: _____

Printed Name: _____

Title: _____

CONTRACTOR (IF JOINT VENTURE)

Company Name

By: _____

Printed Name: _____

Title: _____

ATTEST: _____

Printed Name: _____

Title: _____

FINANCIAL INSTITUTION

By: _____

Printed Name: _____

Title: _____

ATTEST: _____

Printed Name: _____

Title: _____

CONTRACTOR (IF JOINT VENTURE)

Company Name

By: _____

Printed Name: _____

Title: _____

ATTEST: _____

Printed Name: _____

Title: _____

CONTRACTOR (IF JOINT VENTURE)

Company Name

By: _____

Printed Name: _____

Title: _____

ATTEST: _____

Printed Name: _____

Title: _____

COOK COUNTY

**DEPARTMENT OF TRANSPORTATION AND
HIGHWAYS**

By: _____

Superintendent

PERFORMANCE AND PAYMENT BOND TO THE COUNTY OF COOKKnow All Men by These Presents, That we, Builders Paving, LLCas principle, and Fidelity and Deposit Company of Maryland as surety, are held and firmly bound unto the County of Cook in the penal sum of Twenty-Two Million, One Hundred Eighty-Eight Thousand, Eight Hundred Eight & 00/100

(\$ 22,188,808.00), lawful money of the United States of America, for the payment of which sum of money well and truly to be made, we bind ourselves, our respective heirs, executors,

administrators, successors and assigns, firmly, by these presents.

Signed, sealed, and delivered this 8th day of January A.D. 20 25.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, That whereas, the above bounded principle entered into a certain contract with the County of Cook, bearing date the day of (DATE OF AWARD OF CONTRACT) for

**2022 Pavement Rehabilitation Program
North Corridors Package 3
Section Number 22-PRPN1-00-PV
Route No W80, A72, A68, A62, and W34**

COOK COUNTY PROCUREMENT CONTRACT NO.: 2411-10160

The terms and conditions of the Illinois Public Construction Bond Act, 30 ILCS 550

The terms and conditions of the Illinois Public Construction Bond Act, 30 ILCS 550 *et seq.* are hereby incorporated by reference.

It is hereby expressly understood and agreed, and made a condition hereof, that any judgment rendered in favor of any person not a party to said contract against the County of Cook in any suit arising out of said contract or its performance, when reasonable notice of the pendency of such suit shall have been given to said principle and to said surety, shall be conclusive against said principle and said surety as to both liability and amount.

In Witness Whereof, said parties hereto have caused this bond to be executed and delivered at Chicago, Illinois, all on the day and year first above written.

Builders Paving, LLC, 4401 Roosevelt Road, Hillside, IL 60162

PRINCIPAL/CONTRACTOR

By [Signature]
Vice PRESIDENT Steven SalinasBy [Signature]
SECRETARY Joseph MichaelFidelity and Deposit Company of Maryland

SURETY

SEAL

By [Signature]
SURETY/ATTORNEY-IN-FACT James I. Moore
(ATTACH POWER OF ATTORNEY)

AMB# 000387

NAIC# 39306

AMB#

NAIC#

Approved as to form:

By: Brian Tracy
ASSISTANT STATES ATTORNEY
PW5.18

Bond Number: 9470159

Obligee: Cook County Department of Transportation and Highways

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by Robert D. Murray, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **James I. Moore**, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 10th day of October, A.D. 2023.



ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

A handwritten signature in black ink, appearing to read 'Robert D. Murray', is written over a horizontal line.

By: Robert D. Murray
Vice President

A handwritten signature in black ink, appearing to read 'Dawn E. Brown', is written over a horizontal line.

By: Dawn E. Brown
Secretary

State of Maryland
County of Baltimore

On this 10th day of October, A.D. 2023, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, Robert D. Murray, Vice President and Dawn E. Brown, Secretary of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Genevieve M. Maison



Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 8th day of January, 2025.



MJ Pethick

By: Mary Jean Pethick
Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
reportsfclaims@zurichna.com
800-626-4577

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

State of Illinois
} ss.
County of DuPage

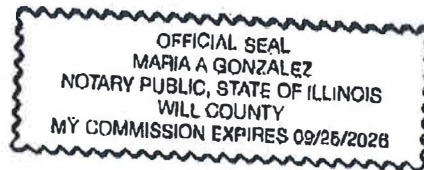
On January 8, 2025, before me, Maria A. Gonzalez, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared, James I. Moore, known to me to be Attorney-in-Fact of Fidelity and Deposit Company of Maryland, the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires September 25, 2026



Maria A. Gonzalez, Notary Public



Commission No. 882909



Fidelity and Deposit Company of Maryland

Home Office: 1299 Zurich Way, Schaumburg, IL 60196

Bond No. 9470159

RIDER

To be attached to and form a part of Performance and Payment Bond, No. 9470159 dated the 8th day of January, 2025 issued by the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, as Surety, on behalf of Builders Paving, LLC, as Principal, in the penal sum of Twenty-Two Million, One Hundred Eighty-Eight Thousand, Eight Hundred Eight and 00/100 Dollars (\$ 22,188,808.00), and in favor of Builders Paving, LLC.

In consideration of the premium charged for the attached bond, it is hereby agreed that the attached bond be amended as follows:

Adding the following surety company:

Zurich North America

1299 Zurich Way - Schaumburg, IL 60196

Provided, However, that the attached bond shall be subject to all its agreements, limitations and conditions except as herein expressly modified, and further that the liability of the Surety under the attached bond and the attached bond as amended by this rider shall not be cumulative.

This rider shall become effective as of the 8th day of January, 2025.

Signed, sealed and dated this 8th day of January, 2025.

ATTEST:

Builders Paving, LLC

Principal

Steven Salinas, Vice President Principal

Principal

FIDELITY AND DEPOSIT COMPANY OF MARYLAND

WITNESS:

Mania Af



By:

James I. Moore

, Attorney-in-Fact

Bond Number: 9470159

Obligee: Cook County Department of Transportation and Highways

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by Robert D. Murray, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **James I. Moore**, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 10th day of October, A.D. 2023.



ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

By: *Robert D. Murray*
Vice President

By: *Dawn E. Brown*
Secretary

**State of Maryland
County of Baltimore**

On this 10th day of October, A.D. 2023, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, Robert D. Murray, Vice President and Dawn E. Brown, Secretary of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Genevieve M. Maison



Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 8th day of January, 2025.



MJ Pethick

By: Mary Jean Pethick
Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
reportsfclaims@zurichna.com
800-626-4577

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

State of Illinois

} ss.

County of DuPage

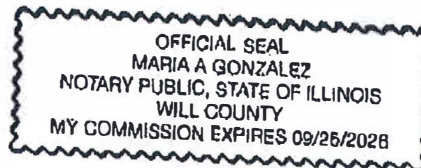
On January 8, 2025, before me, Maria A. Gonzalez, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared, James I. Moore, known to me to be Attorney-in-Fact of Fidelity and Deposit Company of Maryland, the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires September 25, 2026



Maria A. Gonzalez, Notary Public



Commission No. 882909

CONTRACTOR:

Builders Paving, LLC

PROJECT NAME: 2022 PAVEMENT REHABILITATION PROGRAM – NORTH CORRIDORS PACKAGE 3

PROJECT LIMITS: LANDWEHR ROAD - HAMPTON COURT TO DUNDEE ROAD
 WALTERS AVENUE - LANDWEHR ROAD TO PFINGSTEN ROAD
 LANDMEIER ROAD - ARLINGTON HEIGHTS ROAD TO WEST OF BUSSE ROAD
 LANDMEIER ROAD - CAMBRIDGE DRIVE TO HIGGINS ROAD
 SHOE FACTORY ROAD - BEVERLY ROAD TO BARTLETT ROAD
 SUNSET RIDGE ROAD - LAKE AVENUE TO SKOKIE BOULEVARD

SECTION NO: 22-PRPN1-00-PV

ITEM NO.	PAY CODE	QUAN- TITY	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	20200100	3,380	CU YD	EARTH EXCAVATION	\$ 55.00	\$ 185,900.00
2	20201200	323	CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	\$ 75.00	\$ 24,225.00
3	20400800	200	CU YD	FURNISHED EXCAVATION	\$ 55.00	\$ 11,000.00
4	20800150	102	CU YD	TRENCH BACKFILL	\$ 21.00	\$ 2,142.00
5	21101615	18,835	SQ YD	TOPSOIL FURNISH AND PLACE, 4"	\$ 0.10	\$ 1,883.50
6	21400100	3,933	FOOT	GRADING AND SHAPING DITCHES	\$ 15.00	\$ 58,995.00
7	25000210	0.50	ACRE	SEEDING, CLASS 2A	\$ 33,880.00	\$ 16,940.00
8	25000400	263	POUND	NITROGEN FERTILIZER NUTRIENT	\$ 1.00	\$ 263.00
9	25000600	263	POUND	POTASSIUM FERTILIZER NUTRIENT	\$ 1.00	\$ 263.00
10	25000750	3.75	ACRE	MOWING	\$ 500.00	\$ 1,875.00
11	25100630	552	SQ YD	EROSION CONTROL BLANKET	\$ 5.00	\$ 2,760.00
12	25100635	803	SQ YD	HEAVY DUTY EROSION CONTROL BLANKET	\$ 5.00	\$ 4,015.00
13	25200110	17,362	SQ YD	SODDING, SALT TOLERANT	\$ 23.75	\$ 412,347.50
14	25200200	192	UNIT	SUPPLEMENTAL WATERING	\$ 0.10	\$ 19.20
15	28000250	392	POUND	TEMPORARY EROSION CONTROL SEEDING	\$ 0.10	\$ 39.20
16	28000400	7,222	FOOT	PERIMETER EROSION BARRIER	\$ 3.00	\$ 21,666.00
17	28000510	444	EACH	INLET FILTERS	\$ 200.00	\$ 88,800.00
18	28001100	18,835	SQ YD	TEMPORARY EROSION CONTROL BLANKET	\$ 0.50	\$ 9,417.50
19	31101400	4,016	SQ YD	SUBBASE GRANULAR MATERIAL, TYPE B 6"	\$ 18.00	\$ 72,288.00
20	35101600	2,020	SQ YD	AGGREGATE BASE COURSE, TYPE B 4"	\$ 15.00	\$ 30,300.00
21	40600290	122,719	POUND	BITUMINOUS MATERIALS (TACK COAT)	\$ 0.50	\$ 61,359.50
22	40600370	88,802	FOOT	LONGITUDINAL JOINT SEALANT	\$ 3.40	\$ 301,926.80
23	40600400	100	TON	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	\$ 750.00	\$ 75,000.00
24	40600982	1,570	SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	\$ 55.00	\$ 86,350.00
25	40600990	271	SQ YD	TEMPORARY RAMP	\$ 20.00	\$ 5,420.00
26	40603080	4,190	TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	\$ 125.00	\$ 523,750.00
27	40603085	4,519	TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	\$ 125.00	\$ 564,875.00
28	40603200	5,245	TON	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	\$ 160.00	\$ 839,200.00
29	40604060	10,494	TON	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	\$ 125.00	\$ 1,311,750.00
30	40604062	7,429	TON	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	\$ 130.00	\$ 965,770.00
31	40605026	2,756	TON	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	\$ 180.00	\$ 496,080.00
32	42000060	6,396	SQ YD	WELDED WIRE REINFORCEMENT	\$ 15.00	\$ 95,940.00

CONTRACTOR:

Builders Paving, LLC

PROJECT NAME: 2022 PAVEMENT REHABILITATION PROGRAM – NORTH CORRIDORS PACKAGE 3

PROJECT LIMITS: LANDWEHR ROAD - HAMPTON COURT TO DUNDEE ROAD
 WALTERS AVENUE - LANDWEHR ROAD TO PFINGSTEN ROAD
 LANDMEIER ROAD - ARLINGTON HEIGHTS ROAD TO WEST OF BUSSE ROAD
 LANDMEIER ROAD - CAMBRIDGE DRIVE TO HIGGINS ROAD
 SHOE FACTORY ROAD - BEVERLY ROAD TO BARTLETT ROAD
 SUNSET RIDGE ROAD - LAKE AVENUE TO SKOKIE BOULEVARD

SECTION NO: 22-PRPN1-00-PV

ITEM NO.	PAY CODE	QUAN- TITY	UNIT	PAY ITEM	UNIT COST	TOTAL COST
33	42000500	8,469	SQ YD	PORTLAND CEMENT CONCRETE PAVEMENT 10"	\$ 130.00	\$ 1,100,970.00
34	42001300	3,288	SQ YD	PROTECTIVE COAT	\$ 0.01	\$ 32.88
35	42400200	6,842	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	\$ 15.00	\$ 102,630.00
36	42400410	8,613	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	\$ 18.00	\$ 155,034.00
37	44000100	4,772	SQ YD	PAVEMENT REMOVAL	\$ 45.00	\$ 214,740.00
38	44000157	1,411	SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	\$ 8.20	\$ 11,570.20
39	44000161	94,524	SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	\$ 9.90	\$ 935,787.60
40	44000164	15,342	SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	\$ 8.80	\$ 135,009.60
41	44000165	33,216	SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	\$ 9.60	\$ 318,873.60
42	44000166	21,256	SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"	\$ 10.20	\$ 216,811.20
43	44000400	2,985	FOOT	GUTTER REMOVAL	\$ 12.50	\$ 37,312.50
44	44000500	3,293	FOOT	COMBINATION CURB AND GUTTER REMOVAL	\$ 12.50	\$ 41,162.50
45	44000600	16,638	SQ FT	SIDEWALK REMOVAL	\$ 4.00	\$ 66,552.00
46	44003100	34,815	SQ FT	MEDIAN REMOVAL	\$ 14.50	\$ 504,817.50
47	44003510	30,459	SQ FT	MEDIAN REMOVAL PARTIAL DEPTH	\$ 2.20	\$ 67,009.80
48	44004250	1,581	SQ YD	PAVED SHOULDER REMOVAL	\$ 28.00	\$ 44,268.00
49	44200929	87	SQ YD	CLASS B PATCHES, TYPE I, 8 INCH	\$ 240.00	\$ 20,880.00
50	44200934	287	SQ YD	CLASS B PATCHES, TYPE II, 8 INCH	\$ 210.00	\$ 60,270.00
51	44200942	1,187	SQ YD	CLASS B PATCHES, TYPE III, 8 INCH	\$ 210.00	\$ 249,270.00
52	44200944	2,027	SQ YD	CLASS B PATCHES, TYPE IV, 8 INCH	\$ 205.00	\$ 415,535.00
53	44200966	180	SQ YD	CLASS B PATCHES, TYPE I, 10 INCH	\$ 270.00	\$ 48,600.00
54	44200970	1,929	SQ YD	CLASS B PATCHES, TYPE II, 10 INCH	\$ 240.00	\$ 462,960.00
55	44200974	1,365	SQ YD	CLASS B PATCHES, TYPE III, 10 INCH	\$ 240.00	\$ 327,600.00
56	44200976	1,817	SQ YD	CLASS B PATCHES, TYPE IV, 10 INCH	\$ 230.00	\$ 417,910.00
57	44201682	829	SQ YD	CLASS D PATCHES, TYPE II, 3 INCH	\$ 21.00	\$ 17,409.00
58	44201683	829	SQ YD	CLASS D PATCHES, TYPE III, 3 INCH	\$ 20.00	\$ 16,580.00
59	44201684	1,105	SQ YD	CLASS D PATCHES, TYPE IV, 3 INCH	\$ 19.00	\$ 20,995.00
60	44201692	829	SQ YD	CLASS D PATCHES, TYPE II, 4 INCH	\$ 26.00	\$ 21,554.00
61	44201694	829	SQ YD	CLASS D PATCHES, TYPE III, 4 INCH	\$ 25.00	\$ 20,725.00
62	44201696	1,105	SQ YD	CLASS D PATCHES, TYPE IV, 4 INCH	\$ 22.00	\$ 24,310.00
63	44201737	1,065	SQ YD	CLASS D PATCHES, TYPE I, 8 INCH	\$ 51.00	\$ 54,315.00
64	44201741	3,193	SQ YD	CLASS D PATCHES, TYPE II, 8 INCH	\$ 52.00	\$ 166,036.00

CONTRACTOR:

Builders Paving, LLC

PROJECT NAME: 2022 PAVEMENT REHABILITATION PROGRAM – NORTH CORRIDORS PACKAGE 3

PROJECT LIMITS: LANDWEHR ROAD - HAMPTON COURT TO DUNDEE ROAD
 WALTERS AVENUE - LANDWEHR ROAD TO PFINGSTEN ROAD
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SECTION NO: 22-PRPN1-00-PV

ITEM NO.	PAY CODE	QUAN-TITY	UNIT	PAY ITEM	UNIT COST	TOTAL COST
65	44201745	3,193	SQ YD	CLASS D PATCHES, TYPE III, 8 INCH	\$ 47.00	\$ 150,071.00
66	44201747	3,193	SQ YD	CLASS D PATCHES, TYPE IV, 8 INCH	\$ 39.00	\$ 124,527.00
67	44201749	1,881	SQ YD	CLASS D PATCHES, TYPE I, 9 INCH	\$ 59.00	\$ 110,979.00
68	44201753	5,639	SQ YD	CLASS D PATCHES, TYPE II, 9 INCH	\$ 54.00	\$ 304,506.00
69	44201757	5,639	SQ YD	CLASS D PATCHES, TYPE III, 9 INCH	\$ 47.00	\$ 265,033.00
70	44201759	5,639	SQ YD	CLASS D PATCHES, TYPE IV, 9 INCH	\$ 41.00	\$ 231,199.00
71	44201794	19	SQ YD	CLASS D PATCHES, TYPE III, 12 INCH	\$ 275.00	\$ 5,225.00
72	44201796	38	SQ YD	CLASS D PATCHES, TYPE IV, 12 INCH	\$ 275.00	\$ 10,450.00
73	44213200	159,202	FOOT	SAW CUTS	\$ 0.25	\$ 39,800.50
74	45100100	8,000	FOOT	CRACK ROUTING (PAVEMENT)	\$ 1.25	\$ 10,000.00
75	45100200	4,000	POUND	CRACK FILLING	\$ 4.50	\$ 18,000.00
76	45200100	2,000	FOOT	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	\$ 2.50	\$ 5,000.00
77	45200300	1,000	POUND	JOINT OR CRACK FILLING	\$ 8.00	\$ 8,000.00
78	48102100	50	TON	AGGREGATE WEDGE SHOULDER, TYPE B	\$ 280.00	\$ 14,000.00
79	48203029	1,447	SQ YD	HOT-MIX ASPHALT SHOULDERS, 8"	\$ 76.00	\$ 109,972.00
80	50102400	5	CU YD	CONCRETE REMOVAL	\$ 360.00	\$ 1,800.00
81	54213660	2	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	\$ 6,985.00	\$ 13,970.00
82	54214521	1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	\$ 9,855.00	\$ 9,855.00
83	54248160	1	EACH	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 36"	\$ 2,885.00	\$ 2,885.00
84	550A0050	40	FOOT	STORM SEWERS, CLASS A, TYPE 1 12"	\$ 445.00	\$ 17,800.00
85	550A0340	330	FOOT	STORM SEWERS, CLASS A, TYPE 2 12"	\$ 447.00	\$ 147,510.00
86	550A0360	49	FOOT	STORM SEWERS, CLASS A, TYPE 2 15"	\$ 585.00	\$ 28,665.00
87	550A5300	30	FOOT	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	\$ 985.00	\$ 29,550.00
88	55100200	5	FOOT	STORM SEWER REMOVAL 6"	\$ 50.00	\$ 250.00
89	55100500	12	FOOT	STORM SEWER REMOVAL 12"	\$ 50.00	\$ 600.00
90	55100700	65	FOOT	STORM SEWER REMOVAL 15"	\$ 50.00	\$ 3,250.00
91	55100900	31	FOOT	STORM SEWER REMOVAL 18"	\$ 65.00	\$ 2,015.00
92	55101600	42	FOOT	STORM SEWER REMOVAL 36"	\$ 85.00	\$ 3,570.00
93	60201340	18	EACH	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	\$ 9,850.00	\$ 177,300.00
94	60218400	5	EACH	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	\$ 8,685.00	\$ 43,425.00
95	60236200	1	EACH	INLETS, TYPE A, TYPE 8 GRATE	\$ 4,785.00	\$ 4,785.00
96	60500060	1	EACH	REMOVING INLETS	\$ 260.00	\$ 260.00

CONTRACTOR:

Builders Paving, LLC

PROJECT NAME: 2022 PAVEMENT REHABILITATION PROGRAM – NORTH CORRIDORS PACKAGE 3

PROJECT LIMITS: LANDWEHR ROAD - HAMPTON COURT TO DUNDEE ROAD
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SECTION NO: 22-PRPN1-00-PV

ITEM NO.	PAY CODE	QUAN-TITY	UNIT	PAY ITEM	UNIT COST	TOTAL COST
97	60600095	11	CU YD	CLASS SI CONCRETE (OUTLET)	\$ 325.00	\$ 3,575.00
98	60602800	2,867	FOOT	CONCRETE GUTTER, TYPE B	\$ 60.00	\$ 172,020.00
99	60603800	1,318	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	\$ 56.00	\$ 73,808.00
100	60605000	2,114	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	\$ 64.00	\$ 135,296.00
101	60622305	836	SQ FT	CONCRETE MEDIAN, TYPE SM - 4.12	\$ 36.00	\$ 30,096.00
102	60905305	84	FOOT	BOX CULVERTS TO BE CLEANED	\$ 50.00	\$ 4,200.00
103	60920012	76	FOOT	PIPE CULVERTS TO BE CLEANED 12"	\$ 8.00	\$ 608.00
104	60920018	257	FOOT	PIPE CULVERTS TO BE CLEANED 18"	\$ 10.00	\$ 2,570.00
105	60920024	220	FOOT	PIPE CULVERTS TO BE CLEANED 24"	\$ 15.00	\$ 3,300.00
106	60920030	49	FOOT	PIPE CULVERTS TO BE CLEANED 30"	\$ 20.00	\$ 980.00
107	60920048	57	FOOT	PIPE CULVERTS TO BE CLEANED 48"	\$ 25.00	\$ 1,425.00
108	63000001	3,548	FOOT	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	\$ 49.00	\$ 173,852.00
109	63000003	93	FOOT	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	\$ 55.00	\$ 5,115.00
110	63000350	25	FOOT	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	\$ 55.00	\$ 1,375.00
111	63000360	19	FOOT	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	\$ 45.00	\$ 855.00
112	63100167	23	EACH	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	\$ 3,900.00	\$ 89,700.00
113	63200310	4,082	FOOT	GUARDRAIL REMOVAL	\$ 11.00	\$ 44,902.00
114	66900200	1,341	CU YD	NON-SPECIAL WASTE DISPOSAL	\$ 105.00	\$ 140,805.00
115	66900530	63	EACH	SOIL DISPOSAL ANALYSIS	\$ 350.00	\$ 22,050.00
116	66901001	1	L SUM	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	\$ 10,000.00	\$ 10,000.00
117	66901003	1	L SUM	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	\$ 1,000.00	\$ 1,000.00
118	66901006	87	CAL DA	REGULATED SUBSTANCES MONITORING	\$ 350.00	\$ 30,450.00
119	67100100	1	L SUM	MOBILIZATION	\$ 1,321,962.17	\$ 1,321,962.17
120	70107025	900	CAL DA	CHANGEABLE MESSAGE SIGN	\$ 30.00	\$ 27,000.00
121	72400100	3	EACH	REMOVE SIGN PANEL ASSEMBLY - TYPE A	\$ 250.00	\$ 750.00
122	72400500	3	EACH	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	\$ 175.00	\$ 525.00
123	72501000	23	EACH	TERMINAL MARKER - DIRECT APPLIED	\$ 75.00	\$ 1,725.00
124	72800100	39	FOOT	TELESCOPING STEEL SIGN SUPPORT	\$ 19.00	\$ 741.00
125	78009000	2,817	SQ FT	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	\$ 6.00	\$ 16,902.00
126	78009004	220,195	FOOT	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	\$ 0.75	\$ 165,146.25
127	78009006	9,744	FOOT	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	\$ 1.00	\$ 9,744.00
128	78009008	606	FOOT	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	\$ 2.00	\$ 1,212.00

CONTRACTOR:

Builders Paving, LLC

PROJECT NAME: 2022 PAVEMENT REHABILITATION PROGRAM – NORTH CORRIDORS PACKAGE 3

PROJECT LIMITS: LANDWEHR ROAD - HAMPTON COURT TO DUNDEE ROAD
 WALTERS AVENUE - LANDWEHR ROAD TO PFINGSTEN ROAD
 LANDMEIER ROAD - ARLINGTON HEIGHTS ROAD TO WEST OF BUSSE ROAD
 LANDMEIER ROAD - CAMBRIDGE DRIVE TO HIGGINS ROAD
 SHOE FACTORY ROAD - BEVERLY ROAD TO BARTLETT ROAD
 SUNSET RIDGE ROAD - LAKE AVENUE TO SKOKIE BOULEVARD

SECTION NO: 22-PRPN1-00-PV

ITEM NO.	PAY CODE	QUAN-TITY	UNIT	PAY ITEM	UNIT COST	TOTAL COST
129	78009012	8,960	FOOT	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	\$ 3.00	\$ 26,880.00
130	78009024	939	FOOT	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	\$ 6.00	\$ 5,634.00
131	78200005	74	EACH	GUARDRAIL REFLECTORS, TYPE A	\$ 11.00	\$ 814.00
132	78300200	2,133	EACH	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	\$ 20.00	\$ 42,660.00
133	78300202	122	SQ FT	PAVEMENT MARKING REMOVAL - WATER BLASTING	\$ 65.00	\$ 7,930.00
134	86400100	1	EACH	TRANSCEIVER - FIBER OPTIC	\$ 6,959.00	\$ 6,959.00
135	87900200	3	EACH	DRILL EXISTING HANDHOLE	\$ 657.00	\$ 1,971.00
136	89502300	18,158	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT	\$ 0.60	\$ 10,894.80
137	89502380	53	EACH	REMOVE EXISTING HANDHOLE	\$ 1,000.00	\$ 53,000.00
138	89502382	2	EACH	REMOVE EXISTING DOUBLE HANDHOLE	\$ 1,500.00	\$ 3,000.00
139	89502385	56	EACH	REMOVE EXISTING CONCRETE FOUNDATION	\$ 1,000.00	\$ 56,000.00
140	CCDOTH011	1	L SUM	RAILROAD PROTECTIVE LIABILITY INSURANCE	\$ 10,000.00	\$ 10,000.00
141	CCDOTH026	750,000	UNIT	CONTRACT EXTRA WORK	\$ 1.00	\$ 750,000.00
142	CCDOTH029A	1	L SUM	CONSTRUCTION LAYOUT (SPECIAL)	\$ 150,000.00	\$ 150,000.00
143	CCDOTH031	12	CAL MO	ENGINEER'S FIELD OFFICE, TYPE A	\$ 2,500.00	\$ 30,000.00
144	CCDOTH048	20,554	SQ YD	PCC PAVEMENT REMOVAL (MILLING), 2"	\$ 5.25	\$ 107,908.50
145	CCDOTH059	16	EACH	SURVEY MONUMENTS	\$ 500.00	\$ 8,000.00
146	CCDOTH063	1	L SUM	AGGREGATE FOR TEMPORARY ACCESS	\$ 10,000.00	\$ 10,000.00
147	CCDOTH070	1	L SUM	RAILROAD FLAGGERS	\$ 10,000.00	\$ 10,000.00
148	CCDOTH176	89	EACH	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	\$ 1,950.00	\$ 173,550.00
149	CCDOTH186A	1	EACH	WATER VALVE BOXES TO BE ADJUSTED	\$ 885.00	\$ 885.00
150	CCDOTH231	1	L SUM	TRAFFIC PROTECTION	\$ 350,000.00	\$ 350,000.00
151	CCDOTH239	1,439	EACH	RECESSED REFLECTIVE PAVEMENT MARKER (HMA)	\$ 23.50	\$ 33,816.50
152	CCDOTH243	5	EACH	PEDESTRIAN SIGNAL POST, 5 FT.	\$ 1,192.00	\$ 5,960.00
153	CCDOTH243A	8	EACH	PEDESTRIAN SIGNAL POST, 10 FT.	\$ 1,414.00	\$ 11,312.00
154	CCDOTH244C	25	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	\$ 853.00	\$ 21,325.00
155	CCDOTH244D	28	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	\$ 968.00	\$ 27,104.00
156	CCDOTH244G	18	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	\$ 1,212.00	\$ 21,816.00
157	CCDOTH244H	20	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	\$ 1,347.00	\$ 26,940.00
158	CCDOTH245A	38	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	\$ 665.00	\$ 25,270.00
159	CCDOTH246A	48	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	\$ 280.00	\$ 13,440.00
160	CCDOTH248C	21	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	\$ 2,389.00	\$ 50,169.00

CONTRACTOR:

Builders Paving, LLC

PROJECT NAME: 2022 PAVEMENT REHABILITATION PROGRAM – NORTH CORRIDORS PACKAGE 3

PROJECT LIMITS: LANDWEHR ROAD - HAMPTON COURT TO DUNDEE ROAD
 WALTERS AVENUE - LANDWEHR ROAD TO PFINGSTEN ROAD
 LANDMEIER ROAD - ARLINGTON HEIGHTS ROAD TO WEST OF BUSSE ROAD
 LANDMEIER ROAD - CAMBRIDGE DRIVE TO HIGGINS ROAD
 SHOE FACTORY ROAD - BEVERLY ROAD TO BARTLETT ROAD
 SUNSET RIDGE ROAD - LAKE AVENUE TO SKOKIE BOULEVARD

SECTION NO: 22-PRPN1-00-PV

ITEM NO.	PAY CODE	QUAN-TITY	UNIT	PAY ITEM	UNIT COST	TOTAL COST
161	CCDOTH249A030	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 24 FT.	\$ 10,143.00	\$ 10,143.00
162	CCDOTH249A035	4	EACH	STEEL MAST ARM ASSEMBLY AND POLE 26 FT.	\$ 11,542.00	\$ 46,168.00
163	CCDOTH249A040	5	EACH	STEEL MAST ARM ASSEMBLY AND POLE 28 FT.	\$ 11,937.00	\$ 59,685.00
164	CCDOTH249A045	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 30 FT.	\$ 11,927.00	\$ 11,927.00
165	CCDOTH249A050	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 32 FT.	\$ 12,559.00	\$ 12,559.00
166	CCDOTH249A055	2	EACH	STEEL MAST ARM ASSEMBLY AND POLE 34 FT.	\$ 12,722.00	\$ 25,444.00
167	CCDOTH249A075	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 42 FT.	\$ 15,338.00	\$ 15,338.00
168	CCDOTH249A080	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 44 FT.	\$ 15,492.00	\$ 15,492.00
169	CCDOTH249C025	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	\$ 16,217.00	\$ 16,217.00
170	CCDOTH249C030	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	\$ 16,183.00	\$ 16,183.00
171	CCDOTH249C045	2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	\$ 17,237.00	\$ 34,474.00
172	CCDOTH249C050	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	\$ 18,636.00	\$ 18,636.00
173	CCDOTH249C065	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	\$ 20,057.00	\$ 20,057.00
174	CCDOTH249C080	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	\$ 21,421.00	\$ 21,421.00
175	CCDOTH250B	6	EACH	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	\$ 25,238.00	\$ 151,428.00
176	CCDOTH250E	39	EACH	INDUCTIVE LOOP DETECTOR	\$ 208.00	\$ 8,112.00
177	CCDOTH251B	1	EACH	MASTER CONTROLLER, SPECIAL	\$ 19,396.00	\$ 19,396.00
178	CCDOTH252A	3,075	FOOT	DETECTOR LOOP, TYPE I	\$ 20.70	\$ 63,652.50
179	CCDOTH255B	6,050	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	\$ 27.90	\$ 168,795.00
180	CCDOTH255D	859	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	\$ 42.60	\$ 36,593.40
181	CCDOTH255F	2,404	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	\$ 82.10	\$ 197,368.40
182	CCDOTH258A	11,472	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	\$ 0.90	\$ 10,324.80
183	CCDOTH258B	5,722	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	\$ 1.70	\$ 9,727.40
184	CCDOTH258C	7,703	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	\$ 1.90	\$ 14,635.70
185	CCDOTH258D	8,546	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	\$ 2.30	\$ 19,655.80
186	CCDOTH258E	6,877	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	\$ 3.00	\$ 20,631.00
187	CCDOTH258F	13,826	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	\$ 1.80	\$ 24,886.80
188	CCDOTH258H	1,050	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	\$ 4.70	\$ 4,935.00
189	CCDOTH258N	3,591	FOOT	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	\$ 3.60	\$ 12,927.60
190	CCDOTH260J	11,564	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F SM24F	\$ 5.10	\$ 58,976.40
191	CCDOTH261K	5,140	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	\$ 2.40	\$ 12,336.00
192	CCDOTH262A	1	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER	\$ 218.00	\$ 218.00

CONTRACTOR:

Builders Paving, LLC

PROJECT NAME: 2022 PAVEMENT REHABILITATION PROGRAM – NORTH CORRIDORS PACKAGE 3

PROJECT LIMITS: LANDWEHR ROAD - HAMPTON COURT TO DUNDEE ROAD
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SECTION NO: 22-PRPN1-00-PV

ITEM NO.	PAY CODE	QUAN- TITY	UNIT	PAY ITEM	UNIT COST	TOTAL COST
193	CCDOTH264A	6	EACH	SERVICE INSTALLATION, GROUND MOUNTED	\$ 4,473.00	\$ 26,838.00
194	CCDOTH266A	20	EACH	HANDHOLE	\$ 2,315.00	\$ 46,300.00
195	CCDOTH266B	24	EACH	HEAVY-DUTY HANDHOLE	\$ 3,825.00	\$ 91,800.00
196	CCDOTH266C	11	EACH	DOUBLE HANDHOLE	\$ 4,105.00	\$ 45,155.00
197	CCDOTH267B	3	EACH	REBUILD EXISTING HEAVY DUTY HANDHOLE	\$ 3,825.00	\$ 11,475.00
198	CCDOTH268A	104	FOOT	CONCRETE FOUNDATION, TYPE A	\$ 337.80	\$ 35,131.20
199	CCDOTH268B	24	FOOT	CONCRETE FOUNDATION, TYPE C	\$ 904.50	\$ 21,708.00
200	CCDOTH268D	178	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	\$ 301.30	\$ 53,631.40
201	CCDOTH268E	84	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	\$ 395.30	\$ 33,205.20
202	CCDOTH268G	52	FOOT	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	\$ 309.00	\$ 16,068.00
203	CCDOTH270A	6	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	\$ 2,560.00	\$ 15,360.00
204	CCDOTH271A	6	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION	\$ 49,366.00	\$ 296,196.00
205	CCDOTH272A	8	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	\$ 6,400.00	\$ 51,200.00
206	CCDOTH274A	12	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	\$ 566.00	\$ 6,792.00
207	CCDOTH275A	6	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	\$ 246.00	\$ 1,476.00
208	CCDOTH277B	2	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL II	\$ 2,335.00	\$ 4,670.00
209	CCDOTH282A	9	CAL MO	MAINTENANCE OF LIGHTING SYSTEM	\$ 2,560.00	\$ 23,040.00
210	CCDOTH284A	6	EACH	UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	\$ 7,859.00	\$ 47,154.00
211	CCDOTH286A	12	EACH	TEMPORARY TRAFFIC SIGNAL TIMING	\$ 1,455.00	\$ 17,460.00
212	CCDOTH288A	22	EACH	LED INTERNALLY ILLUMINATED STREET NAME SIGN	\$ 4,966.00	\$ 109,252.00
213	CCDOTH290A	6	EACH	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	\$ 11,433.00	\$ 68,598.00
214	CCDOTH297A	38	EACH	ACCESSIBLE PEDESTRIAN SIGNAL	\$ 1,363.00	\$ 51,794.00
215	CCDOTH298A	1,732	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	\$ 1.40	\$ 2,424.80
216	CCDOTH325	1,502	SQ FT	DETECTABLE WARNINGS (SPECIAL)	\$ 60.00	\$ 90,120.00
217	CCDOTH812	2	EACH	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	\$ 20,582.00	\$ 41,164.00
218	CCDOTH816	465	FOOT	UNIT DUCT, 600V, 7-1C NO.4, 1/C NO.8 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	\$ 47.50	\$ 22,087.50
219	CCDOTH817	38,283	SQ YD	DIAMOND GRINDING CONCRETE PAVEMENT	\$ 9.60	\$ 367,516.80
220	X2130010	300	FOOT	EXPLORATION TRENCH, SPECIAL	\$ 25.00	\$ 7,500.00
221	X5537600	47	FOOT	STORM SEWERS TO BE CLEANED 8"	\$ 4.00	\$ 188.00
222	X5537700	224	FOOT	STORM SEWERS TO BE CLEANED 10"	\$ 4.00	\$ 896.00
223	X5537800	17,030	FOOT	STORM SEWERS TO BE CLEANED 12"	\$ 4.00	\$ 68,120.00
224	X5537900	3,085	FOOT	STORM SEWERS TO BE CLEANED 15"	\$ 4.00	\$ 12,340.00

CONTRACTOR:

Builders Paving, LLC

PROJECT NAME: 2022 PAVEMENT REHABILITATION PROGRAM – NORTH CORRIDORS PACKAGE 3

PROJECT LIMITS: LANDWEHR ROAD - HAMPTON COURT TO DUNDEE ROAD
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SECTION NO: 22-PRPN1-00-PV

ITEM NO.	PAY CODE	QUAN- TITY	UNIT	PAY ITEM	UNIT COST	TOTAL COST
225	X5538000	1,906	FOOT	STORM SEWERS TO BE CLEANED 18"	\$ 5.25	\$ 10,006.50
226	X5538200	5,231	FOOT	STORM SEWERS TO BE CLEANED 24"	\$ 5.50	\$ 28,770.50
227	X8100105	2	EACH	CONDUIT SPLICE	\$ 755.00	\$ 1,510.00
228	X8440102	1	EACH	RELOCATE EXISTING LUMINAIRE	\$ 640.00	\$ 640.00
229	XX003668	1	L SUM	PRECONSTRUCTION VIDEO TAPING	\$ 25,000.00	\$ 25,000.00
230	XX005845	1,067	SQ FT	MODULAR CONCRETE PAVERS (SPECIAL)	\$ 15.00	\$ 16,005.00
231	Z0017400	76	EACH	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	\$ 2,350.00	\$ 178,600.00
232	Z0017700	9	EACH	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	\$ 4,750.00	\$ 42,750.00
233	Z0018500	90	EACH	DRAINAGE STRUCTURES TO BE CLEANED	\$ 325.00	\$ 29,250.00
					TOTAL	\$ 22,188,808.00

County of Cook
Department of Transportation and Highways

Proposal Bid Bond

Project: **Pavement Rehabilitation Program 2022 North**
Section **22-PRPN1-00-PV**
Date
Letting 12/11/24

We Builders Paving, LLC

as Principal, and Fidelity and Deposit Company of Maryland

as Surety, are held and firmly bound unto the County of Cook a body politic and corporate of the state of Illinois herein after called the County in the penal sum of 5% of the total bid price, or for the amount specified in Article 102.09 of the "Standard Specifications for Road and Bridge Construction" in effect on the date of invitation for bids. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly to pay to the County this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the County acting through its awarding agency for the construction of the work designated as the above section.

THEREFORE, if the proposal is accepted and a contract awarded to the PRINCIPAL by the County for the above-designated section, and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish the required insurance coverage, all as provided in the Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

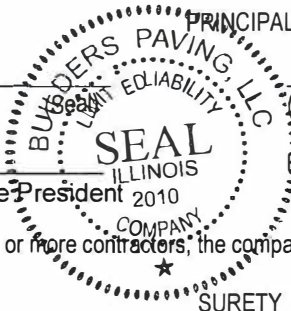
IN THE EVENT the County determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the County acting through its awarding agency shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and said SURETY have caused this instrument to be signed by their respective officers and their corporate seals to be hereunto affixed this 11th day of December A.D. 20 24.

Builders Paving, LLC
(Company Name)

BY:

(Signature & Title) Steven Salinas, Vice President



(Company Name)

(Seal)

BY:

(Signature & Title)

(If PRINCIPAL is a joint venture of two or more contractors, the company names, seals and authorized signatures of each contractor must be affixed.)

Fidelity and Deposit Company of Maryland
(Name of Surety) (Seal)

BY: James I. Moore
(Signature of Attorney-in-fact) James I. Moore



STATE OF ILLINOIS
COUNTY OF ~~XXX~~ DuPage

I, Maria A. Gonzalez, a Notary Public in and for Cook County, do hereby certify that Steven Salinas and James I. Moore

(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

Who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed, sealed, and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 11th day of December A.D., 20 24. My commission expires 09/25/2026

Maria A. Gonzalez
Notary Public



*Improper execution of this form (i.e. Missing Signatures or Seals or incomplete certification) will result in bid being declared irregular.

** If Bid Bond is used in lieu of proposal guaranty check, it must be on this form and must be submitted with Bid.

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by Robert D. Murray, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint Kelly A. GARDNER, Sherry BACSKAI, Stephen T. KAZMER, Jennifer J. MCCOMB, Diane M. RUBRIGHT, James I. MOORE, Melissa SCHMIDT **all of Downers Grove, Illinois**, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 27th day of July, A.D. 2023.



ATTEST:
**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

By: *Robert D. Murray*
Vice President

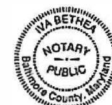
By: *Dawn E. Brown*
Secretary

**State of Maryland
County of Baltimore**

On this 27th day of July, A.D. 2023, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Robert D. Murray, Vice President and Dawn E. Brown, Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Iva Betha
Notary Public
My Commission Expires September 30, 2023



Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 11th day of December, 2024.





By: Mary Jean Pethick
Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
reportsfclaims@zurichna.com
800-626-4577

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

We agree to deposit

BID DEPOSIT FORM

AS REQUIRED BY INSTRUCTION TO BIDDER OF/AND INCONJUNCTION
WITH THE BID HEREWITH SUBMITTED

(THIS FORM MUST BE SUBMITTED WITH THE BID)

TO: COOK COUNTY DEPARTMENT OF TRANSPORTATION AND
HIGHWAYS

BID FOR: Pavement Rehabilitation Program 2022 - North Corridors Package 3

22-PRPN1-00-PV

BID OPENING DATE: 12/11/2024

We agree deposit (subject to all condition of said proposal) the following
described deposit check: **(A copy of which is attached)**

() Cashier's Check () Bank Draft (x) Bid Bond () Other

Drawn on: _____ of _____
Bank City State

Draft or Check Number: _____ Date: _____

Amount: \$ 5% of total bid

Submitted by: Builders Paving, LLC

Bidder

4401 Roosevelt Road

Street Address

Hillside Illinois 60162

City State Zip Code

DO NOT WRITE IN THE SPACES BELOW

The above described Deposit Check is:

() Held _____	Date _____
() Mailed _____	Date _____
() Delivered To _____	Date _____
() Bond Substituted _____	Date _____
() Bond Mailed To _____	Date _____



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/4/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION** IS **WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Hub International Midwest West 1411 Opus Place, Suite 450 Downers Grove IL 60515	CONTACT NAME: PHONE (A/C, No, Ext): 630-468-5600 FAX (A/C, No): E-MAIL ADDRESS: CSUConstruction@hubinternational.com
INSURED Builders Paving, LLC 4401 Roosevelt Road Hillside IL 60162	INSURER(S) AFFORDING COVERAGE INSURER A: Zurich American Insurance Company INSURER B: Allied World National Assurance Company INSURER C: TransGuard Insurance Company of America INSURER D: Travelers Casualty Insurance Company of America INSURER E: Starr Indemnity and Liability INSURER F:

COVERAGES**CERTIFICATE NUMBER:** 2015960511**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☒ LOC OTHER:	Y	Y	GLO 4281634	3/1/2024	3/1/2025	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000 \$
A	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY	Y	Y	BAP 4281635	3/1/2024	3/1/2025	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED ☒ RETENTION \$ 10,000			0313-7353	3/1/2024	3/1/2025	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	Y	WC 4281632	3/1/2024	3/1/2025	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
C D E	Leased/Rented/Borrowed Equipment Excess Liability (\$5M x/s \$5M) Excess Liability (\$5M x/s \$10M)			IMP4000651 EX-8X949904-24-NF 1000588844241	3/1/2024 3/1/2024 3/1/2024	3/1/2025 3/1/2025 3/1/2025	Limit/Deductible 1,000,000/5,000 Each Occ./Aggregate 5,000,000 Each Occ./Aggregate 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Contractors Pollution Liability Policy # CPY G47511197 001
Carrier: Illinois Union Insurance Company
Limits: \$1,000,000/\$2,000,000
Effective Dates: 3/17/2025-10/31/2025

Builder's Risk Policy - # TBD
Carrier: Travelers
Covered Property Limit of Insurance: \$22,188,808
See Attached...

CERTIFICATE HOLDER**CANCELLATION**

Cook County
118 N. Clark Street
Room 1018
Chicago IL 60602

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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**ADDITIONAL REMARKS SCHEDULE**Page 1 of 1

AGENCY Hub International Midwest West		NAMED INSURED Builders Paving, LLC 4401 Roosevelt Road Hillside IL 60162
POLICY NUMBER		
CARRIER	NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,****FORM NUMBER:** 25 **FORM TITLE:** CERTIFICATE OF LIABILITY INSURANCE

Effective Dates: 4/1/2025-10/31/2025

RE: Builders Job No. 90-25001 – Contract # 2411-10160 – CCHD 2022 Pavement Rehabilitation Program – North Corridors Package 3 Section No. 22-PRPN1-00-PV

Cook County, its officials, employees, and agents are included as additional insureds under General Liability & Auto Liability, on a primary and non-contributory basis, when agreed in a written contract, subject to policy terms, conditions, and exclusions. Waiver of Subrogation in favor of the additional insured applies under General Liability, Auto Liability & Workers Compensation when agreed in a written contract, subject to policy terms, conditions, and exclusions. Umbrella/Excess Liability follows form of underlying General Liability, Auto Liability & Employer's Liability. 30 days' notice of cancellation/10 days for non-pay applies.

Coverage Extension Endorsement



Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer No.	Add'l. Prem	Return Prem.
BAP 4281635				24332000		

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:

Business Auto Coverage Form
Motor Carrier Coverage Form

A. Amended Who Is An Insured

1. The following is added to the **Who Is An Insured** Provision in **Section II – Covered Autos Liability Coverage**:

The following are also "insureds":

- a. Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow for acts performed within the scope of employment by you. Any "employee" of yours is also an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.
- b. Anyone volunteering services to you is an "insured" while using a covered "auto" you don't own, hire or borrow to transport your clients or other persons in activities necessary to your business.
- c. Anyone else who furnishes an "auto" referenced in Paragraphs **A.1.a.** and **A.1.b.** in this endorsement.
- d. Where and to the extent permitted by law, any person(s) or organization(s) where required by written contract or written agreement with you executed prior to any "accident", including those person(s) or organization(s) directing your work pursuant to such written contract or written agreement with you, provided the "accident" arises out of operations governed by such contract or agreement and only up to the limits required in the written contract or written agreement, or the Limits of Insurance shown in the Declarations, whichever is less.

2. The following is added to the **Other Insurance** Condition in the Business Auto Coverage Form and the **Other Insurance – Primary and Excess Insurance Provisions Condition** in the Motor Carrier Coverage Form:

Coverage for any person(s) or organization(s), where required by written contract or written agreement with you executed prior to any "accident", will apply on a primary and non-contributory basis and any insurance maintained by the additional "insured" will apply on an excess basis. However, in no event will this coverage extend beyond the terms and conditions of the Coverage Form.

B. Amendment – Supplementary Payments

Paragraphs **a.(2)** and **a.(4)** of the **Coverage Extensions** Provision in **Section II – Covered Autos Liability Coverage** are replaced by the following:

- (2) Up to \$5,000 for the cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.
- (4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 a day because of time off from work.

C. Fellow Employee Coverage

The **Fellow Employee** Exclusion contained in **Section II – Covered Autos Liability Coverage** does not apply.

D. Driver Safety Program Liability and Physical Damage Coverage

1. The following is added to the **Racing** Exclusion in **Section II – Covered Autos Liability Coverage**:

This exclusion does not apply to covered "autos" participating in a driver safety program event, such as, but not limited to, auto or truck rodeos and other auto or truck agility demonstrations.

2. The following is added to Paragraph **2.** in the **Exclusions** of **Section III – Physical Damage Coverage** of the Business Auto Coverage Form and Paragraph **2.b.** in the **Exclusions** of **Section IV – Physical Damage Coverage** of the Motor Carrier Coverage Form:

This exclusion does not apply to covered "autos" participating in a driver safety program event, such as, but not limited to, auto or truck rodeos and other auto or truck agility demonstrations.

E. Lease or Loan Gap Coverage

The following is added to the **Coverage** Provision of the **Physical Damage Coverage** Section:

Lease Or Loan Gap Coverage

In the event of a total "loss" to a covered "auto", we will pay any unpaid amount due on the lease or loan for a covered "auto", less:

- a. Any amount paid under the **Physical Damage Coverage** Section of the Coverage Form; and
- b. Any:
 - (1) Overdue lease or loan payments at the time of the "loss";
 - (2) Financial penalties imposed under a lease for excessive use, abnormal wear and tear or high mileage;
 - (3) Security deposits not returned by the lessor;
 - (4) Costs for extended warranties, credit life insurance, health, accident or disability insurance purchased with the loan or lease; and
 - (5) Carry-over balances from previous leases or loans.

F. Towing and Labor

Paragraph **A.2.** of the **Physical Damage Coverage** Section is replaced by the following:

We will pay up to \$75 for towing and labor costs incurred each time a covered "auto" of the private passenger type is disabled. However, the labor must be performed at the place of disablement.

G. Extended Glass Coverage

The following is added to Paragraph **A.3.a.** of the **Physical Damage Coverage** Section:

If glass must be replaced, the deductible shown in the Declarations will apply. However, if glass can be repaired and is actually repaired rather than replaced, the deductible will be waived. You have the option of having the glass repaired rather than replaced.

H. Hired Auto Physical Damage – Increased Loss of Use Expenses

The **Coverage Extension** for **Loss Of Use Expenses** in the **Physical Damage Coverage** Section is replaced by the following:

Loss Of Use Expenses

For Hired Auto Physical Damage, we will pay expenses for which an "insured" becomes legally responsible to pay for loss of use of a vehicle rented or hired without a driver under a written rental contract or written rental agreement. We will pay for loss of use expenses if caused by:

- (1) Other than collision only if the Declarations indicate that Comprehensive Coverage is provided for any covered "auto";
 - (2) Specified Causes Of Loss only if the Declarations indicate that Specified Causes Of Loss Coverage is provided for any covered "auto"; or
 - (3) Collision only if the Declarations indicate that Collision Coverage is provided for any covered "auto".
- However, the most we will pay for any expenses for loss of use is \$100 per day, to a maximum of \$3000.

I. Personal Effects Coverage

The following is added to the **Coverage** Provision of the **Physical Damage Coverage** Section:

Personal Effects Coverage

- a. We will pay up to \$750 for "loss" to personal effects which are:
 - (1) Personal property owned by an "insured"; and
 - (2) In or on a covered "auto".
- b. Subject to Paragraph a. above, the amount to be paid for "loss" to personal effects will be based on the lesser of:
 - (1) The reasonable cost to replace; or
 - (2) The actual cash value.
- c. The coverage provided in Paragraphs a. and b. above, only applies in the event of a total theft of a covered "auto". No deductible applies to this coverage. However, we will not pay for "loss" to personal effects of any of the following:
 - (1) Accounts, bills, currency, deeds, evidence of debt, money, notes, securities, or commercial paper or other documents of value.
 - (2) Bullion, gold, silver, platinum, or other precious alloys or metals; furs or fur garments; jewelry, watches, precious or semi-precious stones.
 - (3) Paintings, statuary and other works of art.
 - (4) Contraband or property in the course of illegal transportation or trade.
 - (5) Tapes, records, discs or other similar devices used with audio, visual or data electronic equipment.

Any coverage provided by this Provision is excess over any other insurance coverage available for the same "loss".

J. Tapes, Records and Discs Coverage

1. The Exclusion in Paragraph **B.4.a.** of **Section III – Physical Damage Coverage** in the Business Auto Coverage Form and the Exclusion in Paragraph **B.2.c.** of **Section IV – Physical Damage Coverage** in the Motor Carrier Coverage Form does not apply.
2. The following is added to Paragraph **1.a. Comprehensive Coverage** under the **Coverage** Provision of the **Physical Damage Coverage** Section:

We will pay for "loss" to tapes, records, discs or other similar devices used with audio, visual or data electronic equipment. We will pay only if the tapes, records, discs or other similar audio, visual or data electronic devices:

- (a) Are the property of an "insured"; and
- (b) Are in a covered "auto" at the time of "loss".

The most we will pay for such "loss" to tapes, records, discs or other similar devices is \$500. The **Physical Damage Coverage Deductible** Provision does not apply to such "loss".

K. Airbag Coverage

The Exclusion in Paragraph **B.3.a.** of **Section III – Physical Damage Coverage** in the Business Auto Coverage Form and the Exclusion in Paragraph **B.4.a.** of **Section IV – Physical Damage Coverage** in the Motor Carrier Coverage Form does not apply to the accidental discharge of an airbag.

L. Two or More Deductibles

The following is added to the **Deductible** Provision of the **Physical Damage Coverage** Section:

If an accident is covered both by this policy or Coverage Form and by another policy or Coverage Form issued to you by us, the following applies for each covered "auto" on a per vehicle basis:

1. If the deductible on this policy or Coverage Form is the smaller (or smallest) deductible, it will be waived; or
2. If the deductible on this policy or Coverage Form is not the smaller (or smallest) deductible, it will be reduced by the amount of the smaller (or smallest) deductible.

M. Physical Damage – Comprehensive Coverage – Deductible

The following is added to the **Deductible** Provision of the **Physical Damage Coverage** Section:

Regardless of the number of covered "autos" damaged or stolen, the maximum deductible that will be applied to Comprehensive Coverage for all "loss" from any one cause is \$5,000 or the deductible shown in the Declarations, whichever is greater.

N. Temporary Substitute Autos – Physical Damage

1. The following is added to **Section I – Covered Autos**:

Temporary Substitute Autos – Physical Damage

If Physical Damage Coverage is provided by this Coverage Form on your owned covered "autos", the following types of vehicles are also covered "autos" for Physical Damage Coverage:

Any "auto" you do not own when used with the permission of its owner as a temporary substitute for a covered "auto" you do own but is out of service because of its:

1. Breakdown;
 2. Repair;
 3. Servicing;
 4. "Loss"; or
 5. Destruction.
2. The following is added to the Paragraph **A. Coverage** Provision of the **Physical Damage Coverage** Section:

Temporary Substitute Autos – Physical Damage

We will pay the owner for "loss" to the temporary substitute "auto" unless the "loss" results from fraudulent acts or omissions on your part. If we make any payment to the owner, we will obtain the owner's rights against any other party.

The deductible for the temporary substitute "auto" will be the same as the deductible for the covered "auto" it replaces.

O. Amended Duties In The Event Of Accident, Claim, Suit Or Loss

Paragraph **a.** of the **Duties In The Event Of Accident, Claim, Suit Or Loss** Condition is replaced by the following:

- a. In the event of "accident", claim, "suit" or "loss", you must give us or our authorized representative prompt notice of the "accident", claim, "suit" or "loss". However, these duties only apply when the "accident", claim, "suit" or "loss" is known to you (if you are an individual), a partner (if you are a partnership), a member (if you are a limited liability company) or an executive officer or insurance manager (if you are a corporation). The failure of any

agent, servant or employee of the "insured" to notify us of any "accident", claim, "suit" or "loss" shall not invalidate the insurance afforded by this policy.

Include, as soon as practicable:

- (1) How, when and where the "accident" or "loss" occurred and if a claim is made or "suit" is brought, written notice of the claim or "suit" including, but not limited to, the date and details of such claim or "suit";
- (2) The "insured's" name and address; and
- (3) To the extent possible, the names and addresses of any injured persons and witnesses.

If you report an "accident", claim, "suit" or "loss" to another insurer when you should have reported to us, your failure to report to us will not be seen as a violation of these amended duties provided you give us notice as soon as practicable after the fact of the delay becomes known to you.

P. Waiver of Transfer Of Rights Of Recovery Against Others To Us

The following is added to the **Transfer Of Rights Of Recovery Against Others To Us** Condition:

This Condition does not apply to the extent required of you by a written contract, executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by such contract. This waiver only applies to the person or organization designated in the contract.

Q. Employee Hired Autos – Physical Damage

Paragraph **b.** of the **Other Insurance** Condition in the Business Auto Coverage Form and Paragraph **f.** of the **Other Insurance – Primary and Excess Insurance Provisions** Condition in the Motor Carrier Coverage Form are replaced by the following:

For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:

- (1) Any covered "auto" you lease, hire, rent or borrow; and
- (2) Any covered "auto" hired or rented under a written contract or written agreement entered into by an "employee" or elected or appointed official with your permission while being operated within the course and scope of that "employee's" employment by you or that elected or appointed official's duties as respect their obligations to you.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

R. Unintentional Failure to Disclose Hazards

The following is added to the **Concealment, Misrepresentation Or Fraud** Condition:

However, we will not deny coverage under this Coverage Form if you unintentionally:

- (1) Fail to disclose any hazards existing at the inception date of this Coverage Form; or
- (2) Make an error, omission, improper description of "autos" or other misstatement of information.

You must notify us as soon as possible after the discovery of any hazards or any other information that was not provided to us prior to the acceptance of this policy.

S. Hired Auto – World Wide Coverage

Paragraph **7a.(5)** of the **Policy Period, Coverage Territory** Condition is replaced by the following:

- (5) Anywhere in the world if a covered "auto" is leased, hired, rented or borrowed for a period of 60 days or less,

T. Bodily Injury Redefined

The definition of "bodily injury" in the **Definitions** Section is replaced by the following:

"Bodily injury" means bodily injury, sickness or disease, sustained by a person including death or mental anguish, resulting from any of these at any time. Mental anguish means any type of mental or emotional illness or disease.

U. Expected Or Intended Injury

The **Expected Or Intended Injury** Exclusion in Paragraph **B. Exclusions** under **Section II – Covered Auto Liability Coverage** is replaced by the following:

Expected Or Intended Injury

"Bodily injury" or "property damage" expected or intended from the standpoint of the "insured". This exclusion does not apply to "bodily injury" or "property damage" resulting from the use of reasonable force to protect persons or property.

V. Physical Damage – Additional Temporary Transportation Expense Coverage

Paragraph **A.4.a.** of **Section III – Physical Damage Coverage** is replaced by the following:

4. Coverage Extensions

a. Transportation Expenses

We will pay up to \$50 per day to a maximum of \$1,000 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type. We will pay only for those covered "autos" for which you carry either Comprehensive or Specified Causes of Loss Coverage. We will pay for temporary transportation expenses incurred during the period beginning 48 hours after the theft and ending, regardless of the policy's expiration, when the covered "auto" is returned to use or we pay for its "loss".

W. Replacement of a Private Passenger Auto with a Hybrid or Alternative Fuel Source Auto

The following is added to Paragraph **A. Coverage** of the **Physical Damage Coverage** Section:

In the event of a total "loss" to a covered "auto" of the private passenger type that is replaced with a hybrid "auto" or "auto" powered by an alternative fuel source of the private passenger type, we will pay an additional 10% of the cost of the replacement "auto", excluding tax, title, license, other fees and any aftermarket vehicle upgrades, up to a maximum of \$2500. The covered "auto" must be replaced by a hybrid "auto" or an "auto" powered by an alternative fuel source within 60 calendar days of the payment of the "loss" and evidenced by a bill of sale or new vehicle lease agreement.

To qualify as a hybrid "auto", the "auto" must be powered by a conventional gasoline engine and another source of propulsion power. The other source of propulsion power must be electric, hydrogen, propane, solar or natural gas, either compressed or liquefied. To qualify as an "auto" powered by an alternative fuel source, the "auto" must be powered by a source of propulsion power other than a conventional gasoline engine. An "auto" solely propelled by biofuel, gasoline or diesel fuel or any blend thereof is not an "auto" powered by an alternative fuel source.

X. Return of Stolen Automobile

The following is added to the **Coverage Extension** Provision of the **Physical Damage Coverage** Section:

If a covered "auto" is stolen and recovered, we will pay the cost of transport to return the "auto" to you. We will pay only for those covered "autos" for which you carry either Comprehensive or Specified Causes of Loss Coverage.

All other terms, conditions, provisions and exclusions of this policy remain the same.



ZURICH[®]

Additional Insured – Automatic – Owners, Lessees Or Contractors

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

Policy No. GLO 4281634

Effective Date:

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

A. Section II – Who Is An Insured is amended to include as an additional insured any person or organization whom you are required to add as an additional insured under a written contract or written agreement executed by you, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" and subject to the following:

1. If such written contract or written agreement specifically requires that you provide that the person or organization be named as an additional insured under one or both of the following endorsements:

a. The Insurance Services Office (ISO) ISO CG 20 10 (10/01 edition); or

b. The ISO CG 20 37 (10/01 edition),

such person or organization is then an additional insured with respect to such endorsement(s), but only to the extent that "bodily injury", "property damage" or "personal and advertising injury" arises out of:

(1) Your ongoing operations, with respect to Paragraph **1.a.** above; or

(2) "Your work", with respect to Paragraph **1.b.** above,

which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph **1.**, insurance afforded to such additional insured:

(a) Only applies if the "bodily injury", "property damage" or "personal and advertising injury" offense occurs during the policy period and subsequent to your execution of the written contract or written agreement; and

(b) Does not apply to "bodily injury" or "property damage" caused by "your work" and included within the "products-completed operations hazard" unless the written contract or written agreement specifically requires that you provide such coverage to such additional insured.

2. If such written contract or written agreement specifically requires that you provide that the person or organization be named as an additional insured under one or both of the following endorsements:

a. The Insurance Services Office (ISO) ISO CG 20 10 (07/04 edition); or

b. The ISO CG 20 37 (07/04 edition),

such person or organization is then an additional insured with respect to such endorsement(s), but only to the extent that "bodily injury", "property damage" or "personal and advertising injury" is caused, in whole or in part, by:

(1) Your acts or omissions; or

(2) The acts or omissions of those acting on your behalf,

in the performance of:

- (a) Your ongoing operations, with respect to Paragraph 2.a. above; or
- (b) "Your work" and included in the "products-completed operations hazard", with respect to Paragraph 2.b. above,

which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph 2., insurance afforded to such additional insured:

- (i) Only applies if the "bodily injury", "property damage" or "personal and advertising injury" offense occurs during the policy period and subsequent to your execution of the written contract or written agreement; and
- (ii) Does not apply to "bodily injury" or "property damage" caused by "your work" and included within the "products-completed operations hazard" unless the written contract or written agreement specifically requires that you provide such coverage to such additional insured.

3. If neither Paragraph 1. nor Paragraph 2. above apply and such written contract or written agreement requires that you provide that the person or organization be named as an additional insured:

- a. Under the ISO CG 20 10 (04/13 edition, any subsequent edition or if no edition date is specified); or
- b. With respect to ongoing operations (if no form is specified),

such person or organization is then an additional insured only to the extent that "bodily injury", "property damage" or "personal and advertising injury" is caused, in whole or in part by:

- (1) Your acts or omissions; or
- (2) The acts or omissions of those acting on your behalf,

in the performance of your ongoing operations, which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph 3., insurance afforded to such additional insured:

- (a) Only applies to the extent permitted by law;
- (b) Will not be broader than that which you are required by the written contract or written agreement to provide for such additional insured; and
- (c) Only applies if the "bodily injury", "property damage" or "personal and advertising injury" offense occurs during the policy period and subsequent to your execution of the written contract or written agreement.

4. If neither Paragraph 1. nor Paragraph 2. above apply and such written contract or written agreement requires that you provide that the person or organization be named as an additional insured:

- a. Under the ISO CG 20 37 (04/13 edition, any subsequent edition or if no edition date is specified); or
- b. With respect to the "products-completed operations hazard" (if no form is specified),

such person or organization is then an additional insured only to the extent that "bodily injury" or "property damage" is caused, in whole or in part by "your work" and included in the "products-completed operations hazard", which is the subject of the written contract or written agreement.

However, solely with respect to this Paragraph 4., insurance afforded to such additional insured:

- (1) Only applies to the extent permitted by law;
- (2) Will not be broader than that which you are required by the written contract or written agreement to provide for such additional insured;
- (3) Only applies if the "bodily injury" or "property damage" occurs during the policy period and subsequent to your execution of the written contract or written agreement; and

- (4) Does not apply to "bodily injury" or "property damage" caused by "your work" and included within the "products-completed operations hazard" unless the written contract or written agreement specifically requires that you provide such coverage to such additional insured.

B. Solely with respect to the insurance afforded to any additional insured referenced in Section A. of this endorsement, the following additional exclusion applies:

This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or failure to render, any professional architectural, engineering or surveying services including:

1. The preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
2. Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of or the failure to render any professional architectural, engineering or surveying services.

C. Solely with respect to the coverage provided by this endorsement, the following is added to Paragraph 2. Duties In The Event Of Occurrence, Offense, Claim Or Suit of Section IV – Commercial General Liability Conditions:

The additional insured must see to it that:

- (1) We are notified as soon as practicable of an "occurrence" or offense that may result in a claim;
- (2) We receive written notice of a claim or "suit" as soon as practicable; and
- (3) A request for defense and indemnity of the claim or "suit" will promptly be brought against any policy issued by another insurer under which the additional insured may be an insured in any capacity. This provision does not apply to insurance on which the additional insured is a Named Insured if the written contract or written agreement requires that this coverage be primary and non-contributory.

D. Solely with respect to the coverage provided by this endorsement:

1. The following is added to the **Other Insurance** Condition of Section IV – **Commercial General Liability Conditions**:

Primary and Noncontributory insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured provided that:

- a. The additional insured is a Named Insured under such other insurance; and
- b. You are required by written contract or written agreement that this insurance be primary and not seek contribution from any other insurance available to the additional insured.

2. The following paragraph is added to Paragraph 4.b. of the **Other Insurance** Condition under Section IV – **Commercial General Liability Conditions**:

This insurance is excess over:

Any of the other insurance, whether primary, excess, contingent or on any other basis, available to an additional insured, in which the additional insured on our policy is also covered as an additional insured on another policy providing coverage for the same "occurrence", offense, claim or "suit". This provision does not apply to any policy in which the additional insured is a Named Insured on such other policy and where our policy is required by a written contract or written agreement to provide coverage to the additional insured on a primary and non-contributory basis.

E. This endorsement does not apply to an additional insured which has been added to this Coverage Part by an endorsement showing the additional insured in a Schedule of additional insureds, and which endorsement applies specifically to that identified additional insured.

- F. Solely with respect to the insurance afforded to an additional insured under Paragraph **A.3.** or Paragraph **A.4.** of this endorsement, the following is added to Section **III – Limits Of Insurance**:

Additional Insured – Automatic – Owners, Lessees Or Contractors Limit

The most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the written contract or written agreement referenced in Section **A.** of this endorsement; or
 2. Available under the applicable Limits of Insurance shown in the Declarations,
- whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

All other terms, conditions, provisions and exclusions of this policy remain the same.

Waiver Of Subrogation (Blanket) Endorsement

Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer	Add'l Prem.	Return Prem.
GLO 4281634				24332000	\$ INCL	\$

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

The following is added to the **Transfer Of Rights Of Recovery Against Others To Us Condition**:

If you are required by a written contract or agreement, which is executed before a loss, to waive your rights of recovery from others, we agree to waive our rights of recovery. This waiver of rights shall not be construed to be a waiver with respect to any other operations in which the insured has no contractual interest.

Other Insurance Amendment – Primary And Non-Contributory



Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer No.	Add'l. Prem	Return Prem.
GLO 4281634				24332000	INCL	

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

Named Insured:

Address (including ZIP Code):

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

1. The following paragraph is added to the Other Insurance Condition of Section **IV – Commercial General Liability Conditions**:

This insurance is primary insurance to and will not seek contribution from any other insurance available to an additional insured under this policy provided that:

- a. The additional insured is a Named Insured under such other insurance; and
- b. You are required by a written contract or written agreement that this insurance would be primary and would not seek contribution from any any other insurance available to the additional insured.

2. The following paragraph is added to Paragraph **4.b.** of the Other Insurance Condition of Section **IV – Commercial General Liability Conditions**:

This insurance is excess over:

Any of the other insurance, whether primary, excess, contingent or on any other basis, available to an additional insured, in which the additional insured on our policy is also covered as an additional insured on another policy providing coverage for the same "occurrence", offense, claim or "suit". This provision does not apply to any policy in which the additional insured is a Named Insured on such other policy and where our policy is required by written contract or written agreement to provide coverage to the additional insured on a primary and non-contributory basis.

All other terms and conditions of this policy remain unchanged.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

ALL PERSONS AND/OR ORGANIZATIONS THAT ARE REQUIRED BY WRITTEN CONTRACT OR AGREEMENT WITH THE INSURED, EXECUTED PRIOR TO THE ACCIDENT OR LOSS, THAT WAIVER OF SUBROGATION BE PROVIDED UNDER THIS POLICY FOR WORK PERFORMED BY YOU FOR THAT PERSON AND/OR ORGANIZATION

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective:

Policy No. WC 4281633

Endorsement No.

Insured:

Premium \$

Insurance Company Zurich American Insurance Company

Countersigned by _____



Hudson Insurance Company
A Stock Company
100 William Street, 5th Floor
New York, NY 10038
Toll-Free Telephone: 1-866-246-9945

**THIS POLICY IS NONPARTICIPATING WITH REGARD TO PAYMENT OF
POLICYHOLDER DIVIDENDS.**

IN WITNESS WHEREOF, We have caused this policy to be executed by our President and our Corporate Secretary at New York, New York.

Handwritten signature of Christy Z. Gallo in cursive script.

President

Handwritten signature of Dina Daskal in cursive script.

Secretary



Hudson Insurance Company
A Stock Company
100 William Street, 5th Floor
New York, NY 10038
1-866-246-9945

POLICY CERTIFICATE RAILROAD PROTECTIVE LIABILITY

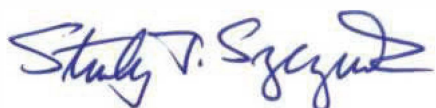
THIS POLICY CERTIFICATE IS ISSUED UNDER MASTER POLICY NUMBER RRP202101 ISSUED TO
RAILROAD PROTECTIVE INSURANCE GROUP

A voluntary membership organization whose principal office is:
4323 Warren Street, NW, Washington, D.C. 20016-2437

Policy Certificate Number:	RRP018117816476
Named Insured:	Wisconsin Central Ltd. Railroad (Owned by CN Rail)
Mailing Address:	17641 Ashland Ave. Homewood, IL 60430
Policy Period:	From: 4/1/2025 12:01 AM To: 4/1/2026 12:01 AM Standard Time at the mailing address shown above
Producer Name:	HUB International Midwest Limited
Producer Address:	1411 Opus Lane Suite 450 Downers Grove, IL 60559
Program Administrator:	123ocp / Alliant Insurance Services
Program Administrator Address:	565 East Swedesford Road, Ste 100 Wayne, PA 19087
Designated Contractor:	Builders Paving LLC
Designated Contractor Address:	4401 Roosevelt Road Hillside, IL 60162
Contract Number Or Name:	Builders Job No. 90-25001 – CCHD Contract # 2411-10160
“Work” Performed For:	-- Cook County Department of Transportation and Highways (69 W. Washington
“Job Location”:	Just East of intersection between Shoe Factory Road and Bridlewood Drive in
Description Of “Work”	Milling of existing asphalt pavement and hot-mix asphalt resurfacing
Total Contract Cost:	\$15,000,000
Contract Cost Within 50 Feet:	\$40,000
Territory:	United States of America
Limits Of Liability:	\$5,000,000 per occurrence \$10,000,000 annual aggregate
State Tax (if applicable)	
Premium:	\$3,651.00
Audit Period (if applicable):	☐ Annually ☐ Semi-Annually ☐ Quarterly ☐ Monthly

Forms Attached

Form Number	Form Title
HRRP-1400 (09-22)	Policy Certificate Railroad Protective Liability
CG 00 35 (04-13)	Railroad Protective Liability Coverage Form
CG 33 71 (03-05)	Silica or Silica-Related Dust Exclusion
CG 34 96 (05-23)	Exclusion - Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)
HRRP-2002 (01-22)	Who Is An Insured Endorsement
HRRP-3000 (03-24)	Asbestos Exclusion
HRRP-3001 (03-24)	Exclusion Liability For Hazards of Lead
HRRP-3002 (03-24)	Fully Earned Premium Endorsement
HRRP-3003 (03-24)	Fungi, Virus, Or Bacterial Exclusion Endorsement
IL 00 21 (09-08)	Nuclear Energy Liability Exclusion Endorsement (Broad Form)
HTER-0001 (01-21)	Disclosure - Terrorism Risk Insurance Act
CG 21 70 (01-15)	Disclosure - Terrorism Risk Insurance Act
CG 21 76 (01-15)	Exclusion of Punitive Damages Related to a Certified Act of Terrorism
IL P 001 (01-04)	OFAC Advisory Notice to Policyholders
CG 29 06 (01-18)	Illinois Changes - Cancellation and Nonrenewal
IL 01 62 (10-13)	Illinois Changes - Defense Costs



Authorized Representative

1/8/2025

Date

Notices required to be given by the Named Insured under this policy shall be sent to:

Attn: Claims Department, Hudson Insurance Company
100 William Street, 5th Floor; New York, N.Y. 10038

You may also call: 1-866-546-3981 or email: HudsonClaims300@HudsonInsGroup.com
to report or discuss a claim.

RAILROAD PROTECTIVE LIABILITY COVERAGE FORM

Various provisions in this policy restrict coverage. Read the entire policy carefully to determine rights, duties and what is and is not covered.

Throughout this policy the words "you" and "your" refer to the Named Insured shown in the Declarations. The words "we", "us" and "our" refer to the company providing this insurance.

The word "insured" means any person or organization qualifying as such under Section II – Who Is An Insured.

Other words and phrases that appear in quotation marks have special meaning. Refer to Section V – Definitions.

SECTION I – COVERAGES

COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY

1. Insuring Agreement

- a. We will pay those sums that the insured becomes legally obligated to pay as damages because of "bodily injury" or "property damage" to which this insurance applies. We will have the right and duty to defend the insured against any "suit" seeking those damages. However, we will have no duty to defend the insured against any "suit" seeking damages for "bodily injury" or "property damage" to which this insurance does not apply. We may, at our discretion, investigate any occurrence and settle any claim or "suit" that may result. But:

- (1) The amount we will pay for damages is limited as described in Section III – Limits Of Insurance; and
- (2) Our right and duty to defend ends when we have used up the applicable limit of insurance in the payment of judgments or settlements.

No other obligation or liability to pay sums or perform acts or services is covered unless explicitly provided for under Supplementary Payments – Coverage A.

- b. This insurance applies to "bodily injury" and "property damage" only if:

- (1) The "bodily injury" or "property damage" occurs during the policy period; and

- (2) The "bodily injury" or "property damage" arises out of acts or omissions at the "job location" which are related to or are in connection with the "work" described in the Declarations.

- c. Damages because of "bodily injury" include damages claimed by any person or organization for care, loss of services or death resulting at any time from the "bodily injury".

2. Exclusions

This insurance does not apply to:

a. Expected Or Intended Injury

"Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" resulting from the use of reasonable force to protect persons or property.

b. Contractual Liability

"Bodily injury" or "property damage" for which the insured is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages assumed in a contract or agreement that is a "covered contract".

c. Completed Work

"Bodily injury" or "property damage" occurring after the "work" is completed. The "work" will be deemed completed at the earliest of the following times:

- (1) When all the "work" called for in the "contractor's" contract has been completed.
- (2) When all the "work" to be done at the "job location" has been completed.
- (3) When that part of the "work" done at the "job location" has been put to its intended use by you, the governmental authority or other contracting party.

This exclusion does not apply to "bodily injury" or "property damage" resulting from the existence of or removal of tools, uninstalled equipment or abandoned or unused materials.

d. Acts Or Omissions Of Insured

"Bodily injury" or "property damage", the sole proximate cause of which is an act or omission of any insured other than acts or omissions of any of "your designated employees". This exclusion does not apply to injury or damage sustained at the "job location" by any of "your designated employees" or employee of the "contractor", or by any employee of the governmental authority or any other contracting party (other than you) specified in the Declarations.

e. Workers' Compensation And Similar Laws

Any obligation of the insured under a workers' compensation, disability benefits or unemployment compensation law or any similar law. This exclusion does not apply to any obligation of the insured under the Federal Employers Liability Act, as amended.

f. Pollution

"Bodily injury" or "property damage" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants" at or from the "job location":

- (1) Due to the past or present use of the "job location" by you or for you or others for the handling, storage, disposal, processing or treatment of waste; or
- (2) Due to the dumping or disposal of waste on the "job location" by the "contractor" with the knowledge of you or any of "your designated employees"; or
- (3) On which you or "contractors" working directly or indirectly on any insured's behalf are performing operations if the "pollutants" are brought on or to the "job location" in connection with such operations by you, the "contractor" or "your designated employee". However, this subparagraph does not apply to:
 - (a) "Bodily injury" or "property damage" arising out of fuels or lubricants for equipment used at the "job location".
 - (b) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire".
- (4) On which you or "contractors" working directly or indirectly on any insured's behalf are performing operations if the operations are to test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants".

g. Damage To Owned, Leased Or Entrusted Property

"Property damage" to property owned by you or leased or entrusted to you under a lease or trust agreement.

h. War

"Bodily injury" or "property damage", however caused, arising, directly or indirectly, out of:

- (1) War, including undeclared or civil war;
- (2) Warlike action by a military force, including action in hindering or defending against an actual or expected attack, by any government, sovereign or other authority using military personnel or other agents; or
- (3) Insurrection, rebellion, revolution, usurped power, or action taken by governmental authority in hindering or defending against any of these.

COVERAGE B – PHYSICAL DAMAGE TO PROPERTY

1. Insuring Agreement

We will pay for "physical damage to property" to which this insurance applies. The "physical damage to property" must occur during the policy period. The "physical damage to property" must arise out of acts or omissions at the "job location" which are related to or in connection with the "work" described in the Declarations. The property must be owned by or leased or entrusted to you under a lease or trust agreement.

2. Exclusions

This insurance does not apply to "physical damage to property":

a. Completed Work

Occurring after the "work" is completed. The "work" will be deemed completed at the earliest of the following times:

- (1) When all the "work" called for in the "contractor's" contract has been completed.
- (2) When all the "work" to be done at the "job location" has been completed.
- (3) When that part of the "work" done at the "job location" has been put to its intended use by you, the governmental authority or other contracting party.

This exclusion does not apply to "physical damage to property" resulting from the existence of tools, uninstalled equipment or abandoned or unused materials.

b. Acts Or Omissions Of Insured

The sole proximate cause of which is an act or omission of any insured other than acts or omissions of any of "your designated employees".

c. Nuclear Incidents Or Conditions

Due to nuclear reaction, nuclear radiation or radioactive contamination or to any related act or condition.

d. Pollution

Due to the discharge, dispersal, seepage, migration, release or escape of "pollutants" excluded under Exclusion f. Pollution, Coverage A.

SUPPLEMENTARY PAYMENTS – COVERAGE A

We will pay, with respect to any claim we investigate or settle, or any "suit" against an insured we defend:

1. All expenses we incur.
2. All court costs taxed against the insured in the "suit". However, these payments do not include attorneys' fees or attorneys' expenses taxed against the insured.
3. All interest on the full amount of any judgment that accrues after entry of the judgment and before we have paid, offered to pay, or deposited in court the part of the judgment that is within the applicable limit of insurance.
4. The cost of bonds to release attachments, but only for bond amounts within the applicable limit of insurance. We do not have to furnish these bonds.
5. Expenses incurred by the insured for first aid administered to others at the time of an accident, for "bodily injury" to which this insurance applies.
6. All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the claim or "suit", including actual loss of earnings up to \$250 a day because of time off from work.
7. Prejudgment interest awarded against the insured on that part of the judgment we pay. If we make an offer to pay the applicable limit of insurance, we will not pay any prejudgment interest based on that period of time after the offer.

These payments will not reduce the limits of insurance.

SECTION II – WHO IS AN INSURED

1. You are an insured.
2. Your "executive officers" and directors are insureds, but only with respect to their duties as your officers and directors.
3. Your stockholders are insureds, but only with respect to their liability as stockholders.

4. Any railroad operating over your tracks is an insured.

SECTION III – LIMITS OF INSURANCE

1. The Limits of Insurance shown in the Declarations and the rules below fix the most we will pay regardless of the number of:
 - a. Insureds;
 - b. Claims made or "suits" brought; or
 - c. Persons or organizations making claims or bringing "suits".
2. The Aggregate Limit is the most we will pay for the sum of all damages because of all "bodily injury", all "property damage" and all "physical damage to property".
3. Subject to Paragraph 2. above, the Each Occurrence Limit is the most we will pay for the sum of all damages because of all "bodily injury", all "property damage" and all "physical damage to property" arising out of any one occurrence.
4. Subject to Paragraph 3. above, the payment for "physical damage to property" shall not exceed the lesser of:
 - a. The actual cash value of the property at the time of loss; or
 - b. The cost to repair or replace the property with other property of like kind or quality.

The Limits of Insurance of this Coverage Part apply separately to each consecutive annual period and to any remaining period of less than 12 months, starting with the beginning of the policy period shown in the Declarations, unless the policy period is extended after issuance for an additional period of less than 12 months. In that case, the additional period will be deemed part of the last preceding period for purposes of determining the Limits of Insurance.

SECTION IV – CONDITIONS

- A.** The following Conditions apply to Coverages A and B:
1. **Assignment**
Assignment of interest under this Coverage Part shall not bind us unless we issue an endorsement consenting to the assignment.
 2. **Bankruptcy**
Bankruptcy or insolvency of the insured or of the insured's estate will not relieve us of our obligations under this Coverage Part.
 3. **Cancellation**
 - a. You may cancel this policy by mailing or delivering to us advance written notice of cancellation.

- b. We may cancel this policy by mailing or delivering to you, the "contractor" and any involved governmental authority or other contracting party designated in the Declarations, at the respective mailing addresses last known to us, written notice of cancellation at least 60 days before the effective date of cancellation.
- c. Notice of cancellation will state the effective date of cancellation. The policy period will end on that date.
- d. If this policy is cancelled, any unearned premium will be refunded. If we cancel, the refund will be pro rata. If you cancel, the refund may be less than pro rata. The cancellation will be effective even if we have not made or offered a refund.
- e. If notice is mailed, proof of mailing will be sufficient proof of notice.

4. Changes

This policy contains all the agreements between you and us concerning the insurance afforded. You are authorized to make changes in the terms of this policy with our consent. This policy's terms can be amended or waived only by endorsement issued by us and made a part of this policy.

5. Inspections And Surveys

- a. We have the right to:
 - (1) Make inspections and surveys at any time;
 - (2) Give you reports on the conditions we find; and
 - (3) Recommend changes.
- b. We are not obligated to make inspections, surveys, reports or recommendations and any such actions we do undertake relate only to insurability and the premiums to be charged. We do not make safety inspections. We do not undertake to perform the duty of any person or organization to provide for the health or safety of workers or the public. And we do not warrant that conditions:
 - (1) Are safe or healthful; or
 - (2) Comply with laws, regulations, codes or standards.
- c. Paragraphs a. and b. of this condition apply not only to us, but also to any rating, advisory, rate service or similar organization which makes insurance inspections, surveys, reports or recommendations.

- d. Paragraph b. of this condition does not apply to any inspections, surveys, reports or recommendations we may make relative to certification, under state or municipal statutes, ordinances or regulations, of boilers, pressure vessels or elevators.

6. Other Insurance

The insurance afforded by this policy is:

- a. Primary insurance and we will not seek contribution from any other insurance available to you except if the other insurance is provided by a contractor other than the designated contractor for the same operation and "job location"; and
- b. If the other insurance is available, we will share with that other insurance by the method described below.

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach, each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

7. Premium And Premium Audit

- a. We will compute all premiums for this Coverage Part in accordance with our rules and rates.
- b. Contract cost, the premium base shown in the Declarations, means the total cost of the operations described in the Declarations.
- c. The premium shown in the Declarations as advance premium is a deposit premium only. At the close of each audit period we will compute the earned premium for that period and send notice to the "contractor" designated in the Declarations. The due date for audit and retrospective premiums is the date shown as the due date on the bill. If the sum of the advance and audit premiums paid for the policy period is greater than the earned premium, we will return the excess to the contractor designated in the Declarations.

In no event shall the payment of premium be your obligation.

8. Transfer Of Rights Of Recovery Against Others To Us

If the insured has rights to recover all or part of any payment we have made under this policy, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

9. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

B. The following Conditions apply to Coverage A only:

1. Legal Action Against Us

No person or organization has a right under this policy:

- a. To join us as a party or otherwise bring us into a "suit" asking for damages from an insured; or
- b. To sue us on this policy unless all of its terms have been fully complied with.

A person or organization may sue us to recover on an agreed settlement or on a final judgment against an insured; but we will not be liable for damages that are not payable under the terms of this policy or that are in excess of the applicable limit of insurance. An agreed settlement means a settlement and release of liability signed by us, the insured and the claimant or the claimant's legal representative.

2. Duties In The Event Of Occurrence, Claim Or Suit

- a. You must see to it that we are notified as soon as practicable of an occurrence which may result in a claim. To the extent possible, notice should include:
 - (1) How, when and where the occurrence took place;
 - (2) The names and addresses of any injured persons and witnesses; and
 - (3) The nature and location of any injury or damage arising out of the occurrence.
- b. If a claim is made or "suit" is brought against any insured, you must:
 - (1) Immediately record the specifics of the claim or "suit" and the date received; and

- (2) Notify us as soon as practicable.

You must see to it that we receive written notice of the claim or "suit" as soon as practicable.

c. You and any other involved insured must:

- (1) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the claim or "suit";
- (2) Authorize us to obtain records and other information;
- (3) Cooperate with us in the investigation or settlement of the claim or defense against the "suit"; and
- (4) Assist us, upon our request, in the enforcement of any right against any person or organization which may be liable to the insured because of injury or damage to which this insurance may also apply.

- d. No insured will, except at that insured's own cost, voluntarily make a payment, assume any obligation, or incur any expense, other than for first aid, without our consent.

3. Separation Of Insureds

Except with respect to the Limits of Insurance, this insurance applies:

- a. As if each Named Insured were the only Named Insured; and
- b. Separately to each insured against whom claim is made or "suit" is brought.

C. The following Conditions apply to Coverage B only:

1. Appraisal

If you fail to agree with us on the value of the property, or the amount of loss, either you or we may make written demand for an appraisal of the loss within 60 days after proof of loss is filed. In this event, each party will select a competent appraiser. The two appraisers will select a competent and impartial umpire. The appraisers will state separately the value of the property and the amount of loss. If they fail to agree, they will submit their differences to the umpire. A decision agreed to by any two will be binding. Each party will:

- a. Pay its chosen appraiser; and
- b. Bear the other expenses of the appraisal and umpire equally.

If we submit to an appraisal, we still retain our right to deny the claim.

2. No Benefit To Bailee

No person or organization, other than you, having custody of the property will benefit from this insurance.

3. Insured's Duties In The Event Of A Loss

You must:

- a. Protect the property, whether or not the loss is covered by this policy. Any further loss due to your failure to protect the property shall not be recoverable under this policy. Reasonable expenses incurred in affording such protection shall be deemed to be incurred at our request; and
- b. Submit to us, as soon after the loss as possible, your sworn proof of loss containing the information we request to settle the loss and, at our request, make available the damaged property for examination.

4. Legal Action Against Us

No person or organization has a right under this policy to sue us on this policy unless all of its terms have been fully complied with and until 30 days after proof of loss is filed and the amount of loss is determined as provided in this policy.

5. Payment Of Loss

We may pay for the loss in money, but there can be no abandonment of any property to us.

SECTION V – DEFINITIONS

1. "Bodily injury" means bodily injury, sickness or disease sustained by a person, including death resulting from any of these at any time.
2. "Contractor" means the contractor designated in the Declarations and includes all subcontractors working directly or indirectly for that "contractor" but does not include you.
3. "Covered contract" means any contract or agreement to carry a person or property for a charge or any interchange contract or agreement respecting motive power, or rolling stock equipment.
4. "Executive officer" means a person holding any of the officer positions created by your charter, constitution, bylaws or any other similar governing document.
5. "Hostile fire" means one which becomes uncontrollable or breaks out from where it was intended to be.
6. "Job location" means the job location designated in the Declarations including any area directly related to the "work" designated in the Declarations. "Job location" includes the ways next to it.
7. "Physical damage to property" means direct and accidental loss of or damage to rolling stock and their contents, mechanical construction equipment or motive power equipment, railroad tracks, roadbeds, catenaries, signals, bridges or buildings.
8. "Pollutants" means any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals and waste. Waste includes material to be recycled, reconditioned or reclaimed.
9. "Property damage" means:
 - a. Physical injury to tangible property, including all resulting loss of use of that property. All such loss of use shall be deemed to occur at the time of the physical injury that caused it; or
 - b. Loss of use of tangible property that is not physically injured. All such loss of use shall be deemed to occur at the time of the occurrence that caused it.
10. "Suit" means a civil proceeding in which damages because of "bodily injury" or "property damage" to which this insurance applies are alleged. "Suit" includes:
 - a. An arbitration proceeding in which such damages are claimed and to which the insured must submit or does submit with our consent; or
 - b. Any other alternative dispute resolution proceeding in which such damages are claimed and to which the insured submits with our consent.
11. "Work" means work or operations performed by the "contractor" including materials, parts or equipment furnished in connection with the work or operations.
12. "Your designated employee" means:
 - a. Any supervisory employee of yours at the "job location";
 - b. Any employee of yours while operating, attached to or engaged on work trains or other railroad equipment at the "job location" which are assigned exclusively to the "contractor"; or
 - c. Any employee of yours not described in Paragraph a. or b. above who is specifically loaned or assigned to the work of the "contractor" for the prevention of accidents or protection of property.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

SILICA OR SILICA-RELATED DUST EXCLUSION

This endorsement modifies insurance provided under the following:

RAILROAD PROTECTIVE LIABILITY COVERAGE PART

- A.** The following exclusion is added to Paragraph 2., **Exclusions of Section I – Coverages, Coverage A – Bodily Injury And Property Damage Liability:**

2. Exclusions

This insurance does not apply to:

SILICA OR SILICA-RELATED DUST

- a.** "Bodily injury" arising, in whole or in part, out of the actual, alleged, threatened or suspected inhalation of, or ingestion of, "silica" or "silica-related dust".
- b.** "Property damage" arising, in whole or in part, out of the actual, alleged, threatened or suspected contact with, exposure to, existence of, or presence of, "silica" or "silica-related dust".

- c.** Any loss, cost or expense arising, in whole or in part, out of the abating, testing for, monitoring, cleaning up, removing, containing, treating, detoxifying, neutralizing, remediating or disposing of, or in any way responding to or assessing the effects of, "silica" or "silica-related dust", by any insured or by any other person or entity.

- B.** The following definitions are added to the **Definitions** Section:

- 1.** "Silica" means silicon dioxide (occurring in crystalline, amorphous and impure forms), silica particles, silica dust or silica compounds.
- 2.** "Silica-related dust" means a mixture or combination of silica and other dust or particles.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EXCLUSION – PERFLUOROALKYL AND POLYFLUOROALKYL SUBSTANCES (PFAS)

This endorsement modifies insurance provided under the following:

RAILROAD PROTECTIVE LIABILITY COVERAGE PART

- A.** The following exclusion is added to Paragraph 2. **Exclusions of Section I – Coverage A – Bodily Injury And Property Damage Liability:**

2. Exclusions

This insurance does not apply to:

**Perfluoroalkyl And Polyfluoroalkyl
Substances**

- a. "Bodily injury" or "property damage" which would not have occurred, in whole or in part, but for the actual, alleged, threatened or suspected inhalation, ingestion, absorption, consumption, discharge, dispersal, seepage, migration, release or escape of, contact with, exposure to, existence of, or presence of, any "perfluoroalkyl or polyfluoroalkyl substances".
- b. Any loss, cost or expense arising, in whole or in part, out of the abating, testing for, monitoring, cleaning up, removing, containing, treating, detoxifying, neutralizing, remediating or disposing of, or in any way responding to or assessing the effects of, "perfluoroalkyl or polyfluoroalkyl substances", by any insured or by any other person or entity.

- B.** The following definition is added to the **Definitions** Section:

"Perfluoroalkyl or polyfluoroalkyl substances" means any:

1. Chemical or substance that contains one or more alkyl carbons on which hydrogen atoms have been partially or completely replaced by fluorine atoms, including but not limited to:
 - a. Polymer, oligomer, monomer or nonpolymer chemicals and their homologues, isomers, telomers, salts, derivatives, precursor chemicals, degradation products or by-products;
 - b. Perfluoroalkyl acids (PFAA), such as perfluorooctanoic acid (PFOA) and its salts, or perfluorooctane sulfonic acid (PFOS) and its salts;
 - c. Perfluoropolyethers (PFPE);
 - d. Fluorotelomer-based substances; or
 - e. Side-chain fluorinated polymers; or
2. Good or product, including containers, materials, parts or equipment furnished in connection with such goods or products, that consists of or contains any chemical or substance described in Paragraph **B.1.**

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WHO IS AN INSURED ENDORSEMENT

This endorsement modifies insurance provided under the following:

RAILROAD PROTECTIVE LIABILITY COVERAGE PART

SECTION II –WHO IS AN INSURED is amended with the addition of the following:

Any subsidiary company of the Named Insured, as shown in the Declarations, including any subsidiary company thereof:

- a. Existing at the effective date of this policy, or
- b. Acquired during the policy period.

Any other company controlled and actively managed by Named Insured, as shown in the Declarations, or other subsidiary thereof, other than a partnership or joint venture:

- a. At the effective date of this policy, or
- b. Upon the acquisition of the control, and active management thereof if acquired during the policy period.

All other terms and conditions of the policy remain unchanged.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

ASBESTOS EXCLUSION ENDORSEMENT

This endorsement modifies insurance provided under the following:

RAILROAD PROTECTIVE LIABILITY COVERAGE FORM

SECTION I – COVERAGES, COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY
paragraph **2. Exclusions** and **SECTION I – COVERAGES, COVERAGE B – PHYSICAL DAMAGE TO**
PROPERTY paragraph **2. Exclusions** is amended with the addition of the following;

This insurance does not apply to any obligation of the Company:

- A. to investigate, settle or defend any claim or suit against any “insured” alleging actual or threatened injury or damage of any nature or kind including loss of use to persons or property which arises out of or would not have occurred but for:
 - (1) exposure to asbestos; or
 - (2) manifestation of any disease relating to the exposure to asbestos;during policy period or at any time prior to the policy period;
- B. to pay, contribute or indemnify another for any injury or damage resulting in judgments, settlements, loss, costs or expenses awarded or incurred that:
 - (1) arises out of any such claim or suit; or
 - (2) arises due to compliance with any action authorized by law relating to such injury or damage.

All other terms and conditions of the policy remain unchanged.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EXCLUSION – LIABILITY FOR HAZARDS OF LEAD

This endorsement modifies insurance provided under the following:

RAILROAD PROTECTIVE LIABILITY COVERAGE FORM

SECTION I – COVERAGES, COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY, 2.

Exclusions is amended with the addition of the following:

This insurance does not apply to:

"Bodily injury" caused in whole or in part, either directly or indirectly, by lead paint or lead contamination, or arising out of or incidental to the inhalation, ingestion, use, handling, or contact with lead paint or lead contamination.

All other terms and conditions of the policy remain unchanged.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

FULLY EARNED PREMIUM ENDORSEMENT

This endorsement modifies insurance provided under the following:

RAILROAD PROTECTIVE LIABILITY COVERAGE PART

SECTION IV – CONDITIONS, A, 3. Cancellation; d. is deleted in its entirety and replaced with the following:

If this policy is cancelled, the earned premium may be determined by final audit. In no event will the final premium be less than 100% of the premium as described on the policy certificate.

SECTION IV – CONDITIONS, A, 7. Premium and Premium Audit; c. is deleted in its entirety and replaced with the following:

The premium shown on the policy certificate as advance premium is a deposit premium only. In no event will the final premium be less than 100% of the premium as described on the policy certificate. At the close of each audit period we reserve the right to compute the earned premium for that period and if there is any additional premium due, we will send notice to the “contractor” designated in the Declarations. The due date for audit additional premium is the date shown as the due date on the bill.

All other terms and conditions of the policy remain unchanged.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

FUNGI, VIRUS, OR BACTERIA EXCLUSION ENDORSEMENT

This endorsement modifies insurance provided under the following:

RAILROAD PROTECTIVE LIABILITY COVERAGE PART

SECTION I – COVERAGES, COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY –
paragraph **2. Exclusions** is amended with the addition of the following:

This insurance does not apply to:

"Bodily injury" or "property damage" which would not have occurred, in whole or in part, but for the actual, alleged or threatened inhalation of, ingestion of, contact with, exposure to, existence of, or presence of, any "fungi", "virus", bacteria or other microorganism, whether related, in any manner, to a declared or undeclared "epidemic or pandemic" that induces or is capable of inducing physical distress, illness or disease regardless of whether any other cause, event, material or product contributed concurrently or in any sequence to such injury or damage.

This exclusion applies, whether or not due to the insured's negligence, unintentional act or wrongdoing in the:

- (1) Abating, testing for, monitoring, clean up, removing, containing, treating, detoxifying, neutralizing, remediating or disposing of, or in any way responding to, or assessing the effects of, "fungi", "virus", bacteria or other microorganism, by any insured or by any other person or entity.
- (2) Failure to provide any state or governmental mandated personal protective equipment;
- (3) Failure to prevent the spread of the disease;
- (4) Failure to report the disease to authorities; or
- (5) Supervising, hiring, employing, training or monitoring of others, whether or not infected with and spread a communicable disease, by any insured.

This exclusion further applies to defense costs, fines and penalties related, in any manner, to the above. We shall have no duty to investigate, defend or settle any claim or "suit" related, in any manner, to the above.

It is further understood that this insurance will not become excess of any reduced or exhausted aggregate limit of any other insurance as a result of claims, suits, demands, judgments or causes of action arising any way out of or in any way related to the above.

SECTION I – COVERAGES, COVERAGE B – PHYSICAL DAMAGE TO PROPERTY paragraph **2. Exclusions** is amended with the addition of the following:

This insurance does not apply to:

"Physical damage to property" which would not have occurred, in whole or in part, but for the actual, alleged or threatened inhalation of, ingestion of, contact with, exposure to, existence of, or presence of, any "fungi", "virus", bacteria or other microorganism, whether related, in any manner, to a declared or undeclared "epidemic or pandemic" that induces or is capable of inducing physical distress, illness or disease regardless of whether any other cause, event, material or product contributed concurrently or in any sequence to such injury or damage.

This exclusion applies, whether or not due to the insured's negligence, unintentional act or wrongdoing in the:

- (1) Abating, testing for, monitoring, clean up, removing, containing, treating, detoxifying, neutralizing, remediating or disposing of, or in any way responding to, or assessing the effects of, "fungi", "virus", bacteria or other microorganism, by any insured or by any other person or entity.
- (2) Failure to provide any state or governmental mandated personal protective equipment;
- (3) Failure to prevent the spread of the disease;
- (4) Failure to report the disease to authorities; or
- (5) Supervising, hiring, employing, training or monitoring of others, whether or not infected with and spread a communicable disease, by any insured.

This exclusion further applies to defense costs, fines and penalties related, in any manner, to the above. We shall have no duty to investigate, defend or settle any claim or "suit" related, in any manner, to the above.

It is further understood that this insurance will not become excess of any reduced or exhausted aggregate limit of any other insurance as a result of claims, suits, demands, judgments or causes of action arising any way out of or in any way related to the above.

SECTION V – DEFINITIONS is amended with the addition of the following:

"Epidemic or pandemic" means an outbreak of an infectious disease transmissible from person to person (whether by direct contact with an affected individual, by casual contact with an affected person's secretions or objects touched by an affected person, by airborne means or by indirect means) that spreads and affects a significant proportion of a population, either geographically or globally.

"Fungi" means any type or form of fungus, including mold or mildew and any mycotoxins, spores, scents or byproducts produced or released by fungi.

"Virus" means any type of submicroscopic infectious agent that replicates only inside the living cells of an organism.

All other terms and conditions of the policy remain unchanged.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

NUCLEAR ENERGY LIABILITY EXCLUSION ENDORSEMENT

(Broad Form)

This endorsement modifies insurance provided under the following:

COMMERCIAL AUTOMOBILE COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
FARM COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
MEDICAL PROFESSIONAL LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY

1. The insurance does not apply:

A. Under any Liability Coverage, to "bodily injury" or "property damage":

- (1)** With respect to which an "insured" under the policy is also an insured under a nuclear energy liability policy issued by Nuclear Energy Liability Insurance Association, Mutual Atomic Energy Liability Underwriters, Nuclear Insurance Association of Canada or any of their successors, or would be an insured under any such policy but for its termination upon exhaustion of its limit of liability; or
- (2)** Resulting from the "hazardous properties" of "nuclear material" and with respect to which **(a)** any person or organization is required to maintain financial protection pursuant to the Atomic Energy Act of 1954, or any law amendatory thereof, or **(b)** the "insured" is, or had this policy not been issued would be, entitled to indemnity from the United States of America, or any agency thereof, under any agreement entered into by the United States of America, or any agency thereof, with any person or organization.

B. Under any Medical Payments coverage, to expenses incurred with respect to "bodily injury" resulting from the "hazardous properties" of "nuclear material" and arising out of the operation of a "nuclear facility" by any person or organization.

C. Under any Liability Coverage, to "bodily injury" or "property damage" resulting from "hazardous properties" of "nuclear material", if:

- (1)** The "nuclear material" **(a)** is at any "nuclear facility" owned by, or operated by or on behalf of, an "insured" or **(b)** has been discharged or dispersed therefrom;
- (2)** The "nuclear material" is contained in "spent fuel" or "waste" at any time possessed, handled, used, processed, stored, transported or disposed of, by or on behalf of an "insured"; or
- (3)** The "bodily injury" or "property damage" arises out of the furnishing by an "insured" of services, materials, parts or equipment in connection with the planning, construction, maintenance, operation or use of any "nuclear facility", but if such facility is located within the United States of America, its territories or possessions or Canada, this exclusion **(3)** applies only to "property damage" to such "nuclear facility" and any property thereat.

2. As used in this endorsement:

"Hazardous properties" includes radioactive, toxic or explosive properties.

"Nuclear material" means "source material", "special nuclear material" or "by-product material".

"Source material", "special nuclear material", and "by-product material" have the meanings given them in the Atomic Energy Act of 1954 or in any law amendatory thereof.

"Spent fuel" means any fuel element or fuel component, solid or liquid, which has been used or exposed to radiation in a "nuclear reactor".

"Waste" means any waste material **(a)** containing "by-product material" other than the tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its "source material" content, and **(b)** resulting from the operation by any person or organization of any "nuclear facility" included under the first two paragraphs of the definition of "nuclear facility".

"Nuclear facility" means:

- (a)** Any "nuclear reactor";
- (b)** Any equipment or device designed or used for **(1)** separating the isotopes of uranium or plutonium, **(2)** processing or utilizing "spent fuel", or **(3)** handling, processing or packaging "waste";

- (c)** Any equipment or device used for the processing, fabricating or alloying of "special nuclear material" if at any time the total amount of such material in the custody of the "insured" at the premises where such equipment or device is located consists of or contains more than 25 grams of plutonium or uranium 233 or any combination thereof, or more than 250 grams of uranium 235;

- (d)** Any structure, basin, excavation, premises or place prepared or used for the storage or disposal of "waste";

and includes the site on which any of the foregoing is located, all operations conducted on such site and all premises used for such operations.

"Nuclear reactor" means any apparatus designed or used to sustain nuclear fission in a self-supporting chain reaction or to contain a critical mass of fissionable material.

"Property damage" includes all forms of radioactive contamination of property.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

DISCLOSURE – TERRORISM RISK INSURANCE ACT

THIS ENDORSEMENT IS MADE PART OF YOUR POLICY PURSUANT TO THE TERRORISM RISK INSURANCE ACT.

In accordance with the Terrorism Risk Insurance Act, including all amendments, ("TRIA" or the "Act"), we are required to provide you with a notice of the portion of your premium attributable to coverage for "certified acts of terrorism," the federal share of payment of losses from such acts, and the limitation or "cap" on our liability under the Act

Disclosure of Premium

The Company has made available coverage for "certified acts of terrorism" as defined in the Act, for **ZERO** additional premium.

Federal Participation In Payment of Terrorism Losses

If covered terrorism losses exceed a statutorily established deductible amount paid by the insurance company providing coverage, as specified in the Act, the United States Government generally reimburses 80% beginning on January 1, 2020 of covered terrorism losses exceeding the statutorily established deductible paid by the insurance company providing the coverage.

Cap on Insurer Participation In Payment Of Terrorism Losses

If aggregate insured losses attributable to "certified acts of terrorism" exceed \$100 billion in a calendar year and we have met our deductible under the Act, we shall not be liable for the payment of any portion of the amount of such losses that exceeds \$100 billion. Nor shall Treasury make any payment for any portion of the amount of such losses that exceeds \$100 billion. In such case, insured losses up to that amount are subject to pro rata allocation in accordance with procedures established by the Secretary of the Treasury.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CAP ON LOSSES FROM CERTIFIED ACTS OF TERRORISM

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY

- A.** If aggregate insured losses attributable to terrorist acts certified under the federal Terrorism Risk Insurance Act exceed \$100 billion in a calendar year and we have met our insurer deductible under the Terrorism Risk Insurance Act, we shall not be liable for the payment of any portion of the amount of such losses that exceeds \$100 billion, and in such case insured losses up to that amount are subject to pro rata allocation in accordance with procedures established by the Secretary of the Treasury.
- "Certified act of terrorism" means an act that is certified by the Secretary of the Treasury, in accordance with the provisions of the federal Terrorism Risk Insurance Act, to be an act of terrorism pursuant to such Act. The criteria contained in the Terrorism Risk Insurance Act for a "certified act of terrorism" include the following:
- 1.** The act resulted in insured losses in excess of \$5 million in the aggregate, attributable to all types of insurance subject to the Terrorism Risk Insurance Act; and
 - 2.** The act is a violent act or an act that is dangerous to human life, property or infrastructure and is committed by an individual or individuals as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.
- B.** The terms and limitations of any terrorism exclusion, or the inapplicability or omission of a terrorism exclusion, do not serve to create coverage for injury or damage that is otherwise excluded under this Coverage Part.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EXCLUSION OF PUNITIVE DAMAGES RELATED TO A CERTIFIED ACT OF TERRORISM

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY

A. The following exclusion is added:

This insurance does not apply to:

TERRORISM PUNITIVE DAMAGES

Damages arising, directly or indirectly, out of a "certified act of terrorism" that are awarded as punitive damages.

B. The following definition is added:

"Certified act of terrorism" means an act that is certified by the Secretary of the Treasury, in accordance with the provisions of the federal Terrorism Risk Insurance Act, to be an act of terrorism pursuant to such Act. The criteria contained in the Terrorism Risk Insurance Act for a "certified act of terrorism" include the following:

1. The act resulted in insured losses in excess of \$5 million in the aggregate, attributable to all types of insurance subject to the Terrorism Risk Insurance Act; and

2. The act is a violent act or an act that is dangerous to human life, property or infrastructure and is committed by an individual or individuals as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

- C.** The terms and limitations of any terrorism exclusion, or the inapplicability or omission of a terrorism exclusion, do not serve to create coverage for injury or damage that is otherwise excluded under this Coverage Part.

U.S. TREASURY DEPARTMENT'S OFFICE OF FOREIGN ASSETS CONTROL ("OFAC") ADVISORY NOTICE TO POLICYHOLDERS

No coverage is provided by this Policyholder Notice nor can it be construed to replace any provisions of your policy. You should read your policy and review your Declarations page for complete information on the coverages you are provided.

This Notice provides information concerning possible impact on your insurance coverage due to directives issued by OFAC. **Please read this Notice carefully.**

The Office of Foreign Assets Control (OFAC) administers and enforces sanctions policy, based on Presidential declarations of "national emergency". OFAC has identified and listed numerous:

- Foreign agents;
- Front organizations;
- Terrorists;
- Terrorist organizations; and
- Narcotics traffickers;

as "Specially Designated Nationals and Blocked Persons". This list can be located on the United States Treasury's web site – <http://www.treas.gov/ofac>.

In accordance with OFAC regulations, if it is determined that you or any other insured, or any person or entity claiming the benefits of this insurance has violated U.S. sanctions law or is a Specially Designated National and Blocked Person, as identified by OFAC, this insurance will be considered a blocked or frozen contract and all provisions of this insurance are immediately subject to OFAC. When an insurance policy is considered to be such a blocked or frozen contract, no payments nor premium refunds may be made without authorization from OFAC. Other limitations on the premiums and payments also apply.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ILLINOIS CHANGES – CANCELLATION AND NONRENEWAL

This endorsement modifies insurance provided under the following:

RAILROAD PROTECTIVE LIABILITY COVERAGE PART

A. Cancellation (Section IV 3.) is replaced by the following:

1. Cancellation

- a. You may cancel this Policy by mailing to us advance written notice of cancellation.
- b. We may cancel this Policy by mailing you, the "contractor", and any involved government authorities or other contracting parties designated in the declarations, at your last mailing addresses known to us, written notice stating the reason for cancellation. Proof of mailing will be sufficient proof of notice.

If we cancel:

- (1) For nonpayment of premium, we will mail the notice at least 10 days prior to the effective date of cancellation.
- (2) For a reason other than nonpayment of premium, we will mail the notice at least 60 days prior to the effective date of cancellation.
- c. If this Policy has been in effect for more than 60 days, we may cancel only for one or more of the following reasons:
 - (1) Nonpayment of premium;
 - (2) The Policy was obtained through a material misrepresentation;
 - (3) Any insured has violated any of the terms and conditions of the Policy;
 - (4) The risk originally accepted has measurably increased;
 - (5) Certification to the Director of Insurance of the loss of reinsurance by the insurer that provided coverage to us for all or a substantial part of the underlying risk insured; or

(6) A determination by the Director of Insurance that the continuation of the Policy could place us in violation of the insurance laws of this state.

- d. Notification of cancellation will also be sent to your broker, if known, or agent of record, if known.
- e. Notice of cancellation will state the effective date of cancellation. The policy period will end on that date.
- f. If this Policy is cancelled, any unearned premium will be refunded. If we cancel, the refund will be pro rata. If you cancel, the refund may be less than pro rata. The cancellation will be effective even if we have not made or offered a refund.

B. The following is added and supersedes any provision to the contrary:

Nonrenewal

If we decide not to renew or continue this Policy, we will mail you, the "contractor", and any involved government authority, written notice, stating the reason for nonrenewal, at least 60 days before the end of the policy period. Proof of mailing will be sufficient proof of notice. Notification of nonrenewal will also be sent to your broker, if known, or agent of record, if known. If we offer to renew or continue and you do not accept, this Policy will terminate at the end of the current policy period. Failure to pay the required renewal or continuation premium when due shall mean that you have not accepted our offer.

If we fail to mail proper written notice of nonrenewal and you obtain other insurance, this Policy will end on the effective date of that insurance.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ILLINOIS CHANGES – DEFENSE COSTS

This endorsement modifies insurance provided under the following:

COMMERCIAL AUTOMOBILE COVERAGE PART
 COMMERCIAL GENERAL LIABILITY COVERAGE PART
 COMMERCIAL LIABILITY UMBRELLA COVERAGE PART
 COMMERCIAL PROPERTY COVERAGE PART – LEGAL LIABILITY COVERAGE FORM
 COMMERCIAL PROPERTY COVERAGE PART – MORTGAGEHOLDERS ERRORS AND OMISSIONS COVERAGE FORM
 EMPLOYMENT-RELATED PRACTICES LIABILITY COVERAGE PART
 FARM COVERAGE PART
 FARM UMBRELLA LIABILITY POLICY
 LIQUOR LIABILITY COVERAGE PART
 MEDICAL PROFESSIONAL LIABILITY COVERAGE PART
 OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
 POLLUTION LIABILITY COVERAGE PART
 PRODUCT WITHDRAWAL COVERAGE PART
 PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
 RAILROAD PROTECTIVE LIABILITY COVERAGE PART
 UNDERGROUND STORAGE TANK COVERAGE PART

A. The provisions of Paragraph **B.** are added to all Insuring Agreements that set forth a duty to defend under:

1. Section **I** of the Commercial General Liability, Commercial Liability Umbrella, Employment-related Practices Liability, Farm, Liquor Liability, Owners And Contractors Protective Liability, Pollution Liability, Products/Completed Operations Liability, Product Withdrawal, Medical Professional Liability, Railroad Protective Liability, Underground Storage Tank Coverage Parts, Auto Dealers Coverage Form and the Farm Umbrella Liability Policy;
2. Section **II** under the Auto Dealers, Business Auto and Motor Carrier Coverage Forms;
3. Section **III** under the Auto Dealers and Motor Carrier Coverage Forms;
4. Section **A.** Coverage under the Legal Liability Coverage Form; and

5. Coverage **C** – Mortgageholder's Liability under the Mortgageholders Errors And Omissions Coverage Form.

Paragraph **B.** also applies to any other provision in the policy that sets forth a duty to defend.

B. If we initially defend an insured ("insured") or pay for an insured's ("insured's") defense but later determine that the claim(s) is (are) not covered under this insurance, we will have the right to reimbursement for the defense costs we have incurred.

The right to reimbursement for the defense costs under this provision will only apply to defense costs we have incurred after we notify you in writing that there may not be coverage, and that we are reserving our rights to terminate the defense and seek reimbursement for defense costs.



Board of Commissioners of Cook County

118 North Clark Street
Chicago, IL

Legislation Details (With Text)

File #:	25-0862	Version:	1	Name:	Contract for Pavement Rehabilitation North 2022 Contract no. 2411-10160
Type:	Contract (Highway)	Status:			Approved
File created:	1/7/2025	In control:			Board of Commissioners
On agenda:	2/6/2025	Final action:			2/6/2025
Title:	PROPOSED CONTRACT (TRANSPORTATION AND HIGHWAYS)				

Department(s): Transportation and Highways

Vendor: Builders Paving, LLC, Hillside, Illinois

Request: Authorization for the Chief Procurement Officer to enter into and execute contract.

Good(s) or Service(s): Construction Services

Location:

2022 Pavement Rehabilitation Program North Corridors Package 3

Landwehr Road - Hampton Court to Dundee Road

Walters Avenue - Landwehr Road to Pfingsten Road

Landmeier Road - Arlington Heights Road to west of Busse Road

Landmeier Road - Cambridge Drive to Higgins Road

Shoe Factory Road - Beverly Road to Bartlett Road

Sunset Ridge Road - Lake Avenue to Skokie Boulevard

Section: 22-PRPN1-00-PV

Contract Value: \$22,188,808.00

Contract period: 2/20/2025 - 12/29/2028

Contract Utilization: The vendor has met the Minority- and Women-owned Business Enterprise Ordinance via: Direct participation.

Potential Fiscal Year Budget Impact:

Account	FY 2025	FY 2026
Motor Fuel Tax: 11300.1500.29150.560019	\$5,263,734.96	\$1,315,933.75
Rebuild Illinois: 11300.1500.29150.521536	\$12,487,311.43	\$3,121,827.86

Accounts:

Motor Fuel Tax: 11300.1500.29150.560019 (\$6,579,668.71)

Rebuild Illinois: 11300.1500.29152.560019 (\$15,609,139.29)

Contract Number(s): 2411-10160

Summary: The Department of Transportation and Highways respectfully requests approval of the proposed contract between the County and Builders Paving, LLC, Hillside, Illinois. This contract provides for preliminary engineering services including Phase I or Part A studies for intersections, small roadway segments, roadway corridors or bridges. Services will include data collection; environmental studies; traffic, drainage, and structural analyses; preparation of preliminary design plans; public outreach and coordination; preparation of funding and permit applications, land acquisition services, and other related work necessary to complete various Phase I, Part A, and

Feasibility or Environmental Studies. These services will be requested as a work order on an as-needed basis.

This contract is being awarded pursuant to a publicly advertised Invitation for Bids (IFB) in accordance with the Cook County Procurement Code. Builders Paving, LLC was the lowest, responsive, and responsible bidder.

Sponsors:

Indexes: JENNIFER (SIS) KILLEN, Superintendent, Department of Transportation and Highways

Code sections:

Attachments:

Date	Ver.	Action By	Action	Result
2/6/2025	1	Board of Commissioners	approve	Pass

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