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: April 1, 2026 **No Later Than 10 a.m. CST**

Bridge Rehabilitation South 01
Section No: 24-BRREH-00-BR
Route No: Countywide

COOK COUNTY PROCUREMENT CONTRACT NO.: 2611-01290,
Purchase Order Number: 70000407960

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, MARCH 17, 2026
10 a.m.
TEAMS MEETING:
https://teams.microsoft.com/l/meetup-join/19%3ameeting_Njc2OTdkZmQtNGI0OS00MjY5LThhYWEtOGYxMWY3MTI5NmVl%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, March 20, 2026** 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 Path Construction Company, Inc Phone No. 847-398-7100
Email Address: PSowa@pathcc.com
Address 125 E. Algonquin Road
City Arlington Heights State IL Zip Code 60005

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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://cookcountyil.bonfirehub.com/portal/?tab=openOpportunities**.

No later than 10:00 a.m. Wednesday, April 1, 2026

Improvement: Bridge Rehabilitation South 01 Township: Countywide

From: Countywide To:

Route: Countywide Section: 24-BRREH-00-BR

Cook County Purchasing Contract No.: **2611-01290**

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.

Steger Rd over Deer Creek: The proposed improvement begins at station 1+65.08 on Steger Rd and extends East for 71 feet (0.01 miles). The project is located within the Village of Steger in Cook County to the North and the Village of Crete in Will County to the South.

Olympian Way over Butterfield Creek: The proposed improvement begins at station 13+41.00 on Olympian Way and extends Northeast 218 feet (0.04 miles). The project is located within the Village of Olympia Fields in Cook County.

170th St over I-94: The proposed improvement is located on 170th St over I-94 and is 275 feet (0.05 miles). The Gross Length inclusive of all assumed MOT taper lengths and traffic control devices and materials placed in the roadway is 1,035 feet (.196 miles). The project is located within the Village of South Holland in Cook County.

Thornton Rd over Midlothian Creek: The proposed improvement is located on Thornton Rd over Midlothian Creek and is 37.5 feet (0.01 miles). The project is located within the City of Blue Island in Cook County.

Cottage Grove Ave over Deer Creek: The proposed improvement is located on Cottage Grove Ave over Deer Creek and is 169 feet (.03 miles). The Gross Length inclusive of all assumed MOT taper lengths and traffic control devices and materials placed in the roadway is 2,249 feet (.426 miles). The project is located in Sauk Village in Cook County.

Central Ave over Tinley Creek: The proposed improvement is located on Central Ave over Tinley Creek and is 76.5 feet (.01 miles). The project is located in the Village of Crestwood in Cook County.

DESCRIPTION OF IMPROVEMENT

The improvement consists of work at the following locations:

Steger Rd over Deer Creek: Work includes scarifying existing overlay on the bridge deck and approaches, partial depth deck and approach slab repairs, and installation of a new latex concrete overlay. Work will be performed with full road closure and a posted detour route.

Olympian Way over Butterfield Creek: Work includes cleaning floor drains, joint gland replacement between approach slab and slab bridge, slab bridge deck and curb repair, sealing cracks and repairing spalls in concrete approach slab, remove bridge median and close longitudinal joint between adjacent slab bridges, and substructure concrete repair and crack injection. Work will be performed with full road closure and a posted detour route.

170th St over I-94: Work includes bridge washing, cleaning bridge scuppers and downspouts, replacing bridge expansion joints, handrail and fence repairs, concrete median and approach slab repairs, sealing cracks in the bridge deck, median, sidewalk and parapets. Work will be performed in two stages.

Thornton Rd over Midlothian Creek: Work includes partial depth deck repairs and sealing cracks in bridge approaches. Work will be performed with full road closure and a posted detour route.

Cottage Grove Ave over Deer Creek: Work includes cleaning bridge floor drains, installation of flexible delineators, sealing cracks in the concrete bridge deck, and partial depth approach slab repairs. Work will be performed with standard urban lane closures.

Central Ave over Tinley Creek: Work includes bolt replacement in parapet railing, cleaning graffiti and sealing substructure units. Work will be performed with standard sidewalk closure.

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
Proposal Bid Bond	Copy
Bid Bond	Copy
Surety Statement of Qualifications	original

The following documents are to be submitted <u>within fourteen (14) calendar days</u> 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

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:

	Amount Bid	**Proposal Guaranty**
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, March 17, 2026
Time: 10 a.m.

Place: Teams Meeting

https://teams.microsoft.com/l/meetup-join/19%3ameeting_Njc2OTdkZmQtNGI0OS00MjY5LThhYWEtOGYxMWY3MTI5NmVl%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

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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 7% 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 that 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 Contact 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) <u>Additional Insured</u>

The required insurance policies, with the exception of Workers Compensation and Errors & Omissions, shall name **Cook County, its officials, employees, and agents, and Village of Steger, Village of Crete, Village of Olympia Fields, Village of Matteson, Village of South Holland, City of Blue Island, Village of Sauk Village, and Village of Crestwood** 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
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.

Village of Steger
Village of Crete
Village of Olympia Fields
Village of Matteson
Village of South Holland
City of Blue Island
Village of Sauk Village
Village of Crestwood

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: Bridge Rehabilitation South 01

Township: **Bloom (Steger) / Rich (Olympian) / Thornton (170th, Thornton) / Bloom (Cottage Grove) / North (Central)**

Route: **C13 (Steger) / N/A (Olympian) / B59 (170th) / B77 (Thornton) / W59 (Cottage Grove) / W39 (Central)**

Section: **24-BRREH-00-BR**

Cook County Purchasing Contract No.: **2611-01290**

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.

Steger Rd over Deer Creek: The proposed improvement begins at station 1+65.08 on Steger Rd and extends East for 71 feet (0.01 miles). The project is located within the Village of Steger in Cook County to the North and the Village of Crete in Will County to the South.

Olympian Way over Butterfield Creek: The proposed improvement begins at station 13+41.00 on Olympian Way and extends Northeast 218 feet (0.04 miles). The project is located within the Village of Olympia Fields in Cook County.

170th St over I-94: The proposed improvement is located on 170th St over I-94 and is 275 feet (0.05 miles). The Gross Length inclusive of all assumed MOT taper lengths and traffic control devices and materials placed in the roadway is 1,035 feet (.196 miles). The project is located within the Village of South Holland in Cook County.

Thornton Rd over Midlothian Creek: The proposed improvement is located on Thornton Rd over Midlothian Creek and is 37.5 feet (0.01 miles). The project is located within the City of Blue Island in Cook County.

Cottage Grove Ave over Deer Creek: The proposed improvement is located on Cottage Grove Ave over Deer Creek and is 169 feet (.03 miles). The Gross Length inclusive of all MOT taper lengths and traffic control devices and materials placed in the roadway is 2,249 feet (.426 miles). The project is located in Sauk Village in Cook County.

Central Ave over Tinley Creek: The proposed improvement is located on Central Ave over Tinley Creek and is 76.5 feet (.01 miles). The project is located in the Village of Crestwood in Cook County.

DESCRIPTION OF IMPROVEMENT

Steger Rd over Deer Creek: Work includes scarifying existing overlay on the bridge deck and approaches, partial depth deck and approach slab repairs, and installation of a new latex concrete overlay. Work will be performed with full road closure and a posted detour route.

Olympian Way over Butterfield Creek: Work includes cleaning floor drains, joint gland replacement between approach slab and slab bridge, slab bridge deck and curb repair, sealing cracks and repairing spalls in concrete approach slab, remove bridge median and close longitudinal joint between adjacent slab bridges, and substructure concrete repair and crack injection. Work will be performed with full road closure and a posted detour route.

170th St over I-94: Work includes bridge washing, cleaning bridge scuppers and downspouts, replacing bridge expansion joints, handrail and fence repairs, concrete median and approach slab repairs, sealing cracks in the bridge deck, median, sidewalk and parapets. Work will be performed in two stages.

Thornton Rd over Midlothian Creek: Work includes partial depth deck repairs and sealing cracks in bridge approaches. Work will be performed with full road closure and a posted detour route.

Cottage Grove Ave over Deer Creek: Work includes cleaning bridge floor drains, installation of flexible delineators, sealing cracks in the concrete bridge

deck, and partial depth approach slab repairs. Work will be performed with standard urban lane closures.

Central Ave over Tinley Creek: Work includes bolt replacement in parapet railing, cleaning graffiti and sealing substructure units. Work will be performed with standard sidewalk closure.

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: April 1, 2026 **No Later Than 10 a.m. CST**

Bridge Rehabilitation South 01
Section No: 24-BRREH-00-BR
Route No: Countywide

COOK COUNTY PROCUREMENT CONTRACT NO.: 2611-01290

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, MARCH 17, 2026
10 a.m.
TEAMS MEETING:
https://teams.microsoft.com/l/meetup-join/19%3ameeting_Njc2OTdkZmQtNGI0OS00MjY5LThhYWEtOGYxMWY3MTI5NmVl%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, March 20, 2026** 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 Path Construction Company, Inc Phone No. 847-398-7100
Email Address: PSowa@pathcc.com
Address 125 E. Algonquin Road
City Arlington Heights State IL Zip Code 60005

Project: Bridge Rehabilitation South 01
Limits: Countywide
Section: 24-BRREH-00-BR

Book II - Table of Contents/SP Checklist

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1		**Book II Cover Sheet**	(CC) May 8, 2023
2		**Special Provision Checklist and Table of Contents**	(CC) Oct 24, 2023
5	26	Contract Extra Work	(CC) Oct 10, 2024
6	31	Engineer's Field Office	(CC) Mar 1, 2023
9	46	Managing Concrete Waste	(CC) Jan 1, 2009
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14	185	Locations of and Conflicts with Utilities	(CC) May 21, 2018
15	185a	Status of Utilities to be Adjusted	(CC) May 21, 2018
17	239	Recessed Reflective Pavement Marker (HMA)	(CC) Feb 8, 2021
19	241	Traffic Signal Work General	(ILD1-CC) May 1, 2021
31	272	Maintenance of Existing Traffic Signal Installation	(ILD1-CC) Jan 1, 2018
35	286	Temporary Traffic Signal Timing	(ILD1-CC) Oct 15, 2024
36	**400**	**IDOT Recurring Special Provision Checklist**	**(IL Recur) Current**
		Reccurring Special Provsions are included by reference as noted on the checklist and are not included in the proposal.	
37	**500**	**IDOT Local Roads and Streets Recurring Special Provisions Checklist**	**(IL LR) Current**
		IDOT LRSR Special Provisions are included by reference as notes on the checklist and are not included in the proposal.	
38	**600**	**IDOT Bureau of Design and Environment Checklist**	**(IL BDE) Current**
40	601	Automated Flagger Assistance Devices	(IL BDE) Apr 1, 2023
41	602	Bridge Deck Concrete Overlays	(IL BDE) Jan 1, 2026
50	603	Cement, Finely Divided Materials, Admixtures, Concrete, and Mortar	(IL BDE) Jan 1, 2026
67	604	Compensable Delay Costs	(IL BDE) Apr 1, 2019
71	605	Construction Air Quality - Diesel Retrofit	(IL BDE) Jan 1, 2025
73	606	Deck Slab Repair	(IL BDE) Jan 1, 2026
77	607	Longitudinal Tining	(IL BDE) Jan 1, 2026
78	608	Pavement Marking	(IL BDE) Nov 1, 2025
79	609	Performance Graded Asphalt Binder	(IL BDE) Jan 1, 2023
84	610	Removal and Disposal of Regulated Substances	(IL BDE) Apr 1, 2024
86	611	Short Term and Temporary Pavement Markings	(IL BDE) Apr 2, 2024
89	612	Structural Repair of Concrete	(IL BDE) Jan 1, 2026
96	613	Subcontractor and DBE Payment Reporting	(IL BDE) Apr 2, 2018
97	614	Subcontractor Mobilization Payments	(IL BDE) Apr 1, 2019
98	615	Surface Testing of Pavements - IRI	(IL BDE) Jan 1, 2023
104	616	Surveying Services	(IL BDE) Apr 1, 2025
105	617	Vehicle and Equipment Warning Lights	(IL BDE) Nov 1, 2022

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106	618	Work Zone Traffic Control Devices	(IL BDE) Jan 1, 2026
109	**700**	**IDOT Bureau of Local Roads and Streets District 1**	**(IL D1) Current**
120	701	Maintenance of Roadways	(IL D1) Nov 1, 1996
121	702	Public Convenience and Safety	(IL D1) Jul 15, 2012
122	703	HMA Binder and Surface Course	(IL D1) Jan 1, 2026
130	704	Traffic Control Plan	(IL D1) Jan 1, 2007
132	705	Friction Aggregate	(IL D1) Dec 1, 2021
135	706	Mineralized Carbon Dioxide Concrete	(IL D1) Jan 1, 2026
137	707	HMA - Mixture Design Verification and Production	(IL D1) Jan 1, 2026
139	708	Temporary Information Signing	(IL D1) Jan 29, 2020
141	709	Speed Display Trailer	(IL D1) Apr 1, 2021
143	**800**	**IDOT Guide Bridge Special Provision Checklist**	**(GBSP) Current**
145	801	Preformed Pavement Joint Seal	(GBSP) Mar 24, 2023
152	802	Preformed Bridge Joint Seal	(GBSP) Jun 28, 2024
	900	**Additional/Project Specific**	
159	901	Graffiti Removal	(CC) Jan 8, 2024
162	902	Bolt Replacement	(CC) Sep 29, 2023
163	903	Bridge Deck Concrete Crack Sealer	(CC) Aug 7, 2024
164	904	Floor Drains to be Cleaned	(CC) Jun 27, 2024
165	905	Handrail Repairs	(CC) Jul 28, 2025
166	906	Cleaning Bridge Scuppers and Downspout	(CC) Jul 28, 2025
167	907	Bridge Deck Concrete Sealer	(CC) Jun 27, 2024
169	908	Corrugated Median Removal	(CC) Oct 17, 2024
170	909	Flexible Delineators	(CC) Jan 8, 2024
171	910	Chain Link Fabric, Special	(CC) Jul 28, 2025
172	911	Traffic Control and Protection (Special)	(CC) Aug 7, 2024
173	912	Silane Surface Sealer	(CC) Aug 21, 2025
174	913	Approach Slab Repair	(IL-CC) Aug 6, 2024
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181	915	Keeping the Expressway Open to Traffic	

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Page No.	Special Provision No.	Description	Origin and Date Last Revised

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
CONTRACT EXTRA WORK

Effective: 12/24/12
Revised: 04/26/19 (Added requirements from SP 028)
Revised: 10/10/2024

Description: Due to the nature of construction projects, additional work germane to the contract may arise. This item is intended to timely compensate the contractor for such extra work. All extra work paid under this item will be included in a contract amendment to adjust or create new line items and this pay item will be reduced to zero on the final contract amendment.

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

Basis of Payment: Payment will be made under this item at the discretion of the Engineer for extra work performed on the contract.

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 350ºF (177ºC) 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 lcok 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), 3 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 receptable, 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
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
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
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
PROPOSED BRIDGE MAINTENANCE
VARIOUS LOCATIONS ACROSS COOK COUNTY
SECTION: 24-BRREH-00-BR

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
	N/A – no utilities to be adjusted	

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
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 intension 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.

a) 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.

b) 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 signalizing 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 feet. 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.

01/01/2015	□□□□□□□□□□□□	□□□□□□□□□□□□□□□□□□□□□□□□□□□□	□1□59□□□□□	□□7□769□76
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01/01/2015	□□M□□□□□□□□ □□□□□□□□□□□□ □□□□□□□□□□		□1□5□□600	□□7□79□□□2
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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
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
TEMPORARY TRAFFIC SIGNAL TIMING

Effective: 7/1/16
Revised: 10/15/24 (updated phone number")

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) 603-1734 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-turning 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.

Illinois Department of Transportation

Check Sheet for Recurring Special Provisions

Local Public Agency	County	Section Number
Department of Transportation and Highways	Cook	24-BRREH-00-BR

☐ **Check this box for lettings prior to 01/01/2026**

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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1	☐	Additional State Requirements for Federal-Aid Construction Contracts	87
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27	☐	Restoring Bridge Approach Pavements Using High-Density Foam	166
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29	☐	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	173
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Local Public Agency	County	Section Number
Department of Transportation and Highways	Cook	24-BRREH-00-BR

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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LRS 1		**Reserved**	181
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LRS 18	☐	Multigrade Cold Mix Asphalt	215
LRS 19	☐	Reflective Crack Control Treatment	216

BDE SPECIAL PROVISIONS
For the January 16 and February 27, 2026 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
80475	6	☒	Bridge Deck Concrete Overlays	Jan. 1, 2026	
* 80241	7	☐	Bridge Demolition Debris	July 1, 2009	
* 5053I	8	☐	Building Removal	Sept. 1, 1990	Aug. 1, 2022
* 5026I	9	☐	Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
80460	10	☒	Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar	Jan. 1, 2025	Jan. 1, 2026
80384	11	☒	Compensable Delay Costs	June 2, 2017	April 1, 2019
* 80198	12	☐	Completion Date (via calendar days)	April 1, 2008	
* 80199	13	☐	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80461	14	☐	Concrete Barrier	Jan. 1, 2025	
80453	15	☐	Concrete Sealer	Nov. 1, 2023	
80261	16	☒	Construction Air Quality – Diesel Retrofit	June 1, 2010	Jan. 1, 2025
80476	17	☒	Deck Slab Repair	Jan. 1, 2026	
* 80029	18	☐	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Jan. 2, 2025
80467	19	☐	Erosion Control Blanket	Aug. 1, 2025	
80229	20	☐	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80452	21	☐	Full Lane Sealant Waterproofing System	Nov. 1, 2023	
80433	22	☐	Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
80471	23	☐	Guardrail	Nov. 1, 2025	
80472	24	☐	High Friction Surface Treatment	Nov. 1, 2025	
80456	25	☐	Hot-Mix Asphalt	Jan. 1, 2024	Jan. 1, 2026
80446	26	☐	Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
80438	27	☐	Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
80477	28	☒	Longitudinal Tining	Jan. 1, 2026	
80450	29	☐	Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	Aug. 1, 2025
80478	30	☐	Modified Longitudinal Construction Joint	Jan. 1, 2026	
80464	31	☒	Pavement Marking	April. 1, 2025	Nov. 1, 2025
80468	32	☐	Pavement Patching	Aug. 1, 2025	
80441	33	☒	Performance Graded Asphalt Binder	Jan. 1, 2023	
80459	34	☐	Preformed Plastic Pavement Marking	June 2, 2024	
* 3426I	35	☐	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
80473	36	☐	Raised Reflective Pavement Markers	Nov. 1, 2025	
80455	37	☒	Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
80474	38	☐	Residential Driveway Temporary Signal	Nov. 1, 2025	
80445	39	☐	Seeding	Nov. 1, 2022	
80457	40	☒	Short Term and Temporary Pavement Markings	April 1, 2024	April 2, 2024
80462	41	☐	Sign Panels and Appurtenances	Jan. 1, 2025	Jan. 1, 2026
80479	42	☐	Sinusoidal Rumble Strips	Jan. 1, 2026	
80469	43	☐	Slope Wall	Aug. 1, 2025	
80448	44	☐	Source of Supply and Quality Requirements	Jan. 2, 2023	Jan. 1, 2026
80340	45	☐	Speed Display Trailer	April 2, 2014	Jan. 1, 2022
80127	46	☐	Steel Cost Adjustment	April 2, 2004	Nov. 1, 2025
80480	47	☒	Structural Repair of Concrete	Jan. 1, 2026	
80397	48	☒	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	49	☒	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
80463	50	☐	Submission of Bidders List Information	Jan. 2, 2025	Mar. 2, 2025
80437	51	☐	Submission of Payroll Records	April 1, 2021	Nov. 2, 2023

	80435	52	☒	Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
	80465	53	☒	Surveying Services	April 1, 2025	
	80481	54	☐	Temporary Concrete Barrier	Jan. 1, 2026	
	80466	55	☐	Temporary Rumble Strips	April 1, 2025	
	80470	56	☐	Traffic Signal Backplate	Aug. 1, 2025	
*	20338	57	☐	Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
	80429	58	☐	Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
	80439	59	☒	Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
	80458	60	☐	Waterproofing Membrane System	Aug. 1, 2024	
	80302	61	☐	Weekly DBE Trucking Reports	June 2, 2012	Jan. 2, 2025
	80454	62	☐	Wood Sign Support	Nov. 1, 2023	
	80427	63	☒	Work Zone Traffic Control Devices	Mar. 2, 2020	Jan. 1, 2026
*	80071	64	☐	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 2026 Supplemental Specifications and Recurring Special Provisions.

File Name	Special Provision Title	New Location(s)	Effective	Revised
80447	Grading and Shaping Ditches	Articles 214.03 & 214.04	Jan. 1, 2023	

AUTOMATED FLAGGER ASSISTANCE DEVICES (BDE)

Effective: January 1, 2008
Revised: April 1, 2023

Description. This work shall consist of furnishing and operating automated flagger assistance devices (AFADs) as part of the work zone traffic control and protection for two-lane highways where two-way traffic is maintained over one lane of pavement in segments where no sideroads or entrances require deployment of additional flaggers. Use of these devices shall be at the option of the Contractor.

Equipment. AFADs shall be the STOP/SLOW or Red/Yellow Lens type mounted on a trailer or moveable cart meeting the requirements of the MUTCD and NCHRP 350 or MASH 2016, Category 4.

General. AFADs shall be placed at each end of the traffic control, where a flagger is shown on the plans. The AFAD shall be setup within five degrees of vertical.

Flagger symbol signs as shown on the plans shall be replaced with “BE PREPARED TO STOP” signs when the AFAD is in operation.

Personal communication devices shall not be used to operate the AFAD.

Flagging Requirements. Flaggers and flagging requirements shall be according to Article 701.13 of the Standard Specifications and the following.

Each AFAD shall be operated by a flagger trained to operate the specific AFAD to be deployed. A minimum of two flaggers shall be on site at all times during operation. Each flagger shall be positioned outside the lane of traffic and near each AFAD’s location.

Flagging equipment required for traditional flagging shall be available near each AFAD location in the event of AFAD equipment malfunction/failure.

For nighttime flagging, the AFAD and flagger shall be illuminated according to Article 701.13 of the Standard Specifications.

When not in use, AFADs will be considered non-operating equipment and shall be stored according to Article 701.11 of the Standard Specifications.

Basis of Payment. This work will not be paid for separately but shall be considered as included in the cost of the various traffic control items included in the contract.

80192

BRIDGE DECK CONCRETE OVERLAYS

Effective: January 1, 2026

Add the following Section 531 to the Standard Specifications:

"**SECTION 531. BRIDGE DECK CONCRETE OVERLAYS**

531.01 Description. This work shall consist of constructing a concrete overlay on an existing concrete bridge deck or approach slab.

531.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Coarse Aggregate (Note 1)	1004.02
(b) Packaged, Dry, Rapid Hardening Mortar or Concrete	1018
(c) Portland Cement Concrete (Note 2) (Note 3)	1020
(d) Fibers for Concrete (Note 4)	1014

Note 1. Coarse aggregate shall be crushed stone or crushed gravel.

Note 2. Concrete shall be Class BS with the following exceptions.

Overlay Type	Gradation
Fly Ash Ground Granulated Blast Furnace (GGBF) Slag High Reactivity Metakaolin (HRM) Microsilica	CA 11, CA 13, CA 14, or CA 16
Latex	CA 13, CA 14, or CA 16

Slump shall be 2-7 in. (50-175 mm). For latex overlays, the maximum slump may be increased if no visible segregation is observed.

For latex overlays, air content shall be a maximum of 7.0 percent and maximum water/cement ratio shall be 0.40.

For Class F fly ash overlays, fly ash shall replace cement at the maximum rate permitted according to Article 1020.05(c)(1)b. The replacement ratio shall be 1:1.

For Class C fly ash overlays, fly ash shall replace cement at a rate ranging from a minimum of 25 percent to the maximum rate permitted according to Article 1020.05(c)(1)c. The replacement ratio shall be 1:1.

For GGBF slag overlays, GGBF slag shall replace cement at a rate ranging from a minimum of 25 percent to the maximum rate permitted according to Article 1020.05(c)(2)b. The replacement ratio shall be 1:1.

For microsilica and HRM overlays, the cementitious factor (excluding microsilica or HRM) shall be 565 lb/cu yd (390 kg/cu m). The minimum amount of microsilica or HRM added to the mix shall be 33 lb/cu yd (20 kg/cu m) and the maximum shall be 37 lb/cu yd (22 kg/cu m).

For latex overlays, the cementitious factor shall be a minimum of 658 lbs/cu yd (335 kg/cu m), the dosage of the latex admixture shall be 24.5 gal/cu yd (121.3 L/cu m), the coarse aggregate shall be 42-50 percent by weight (mass) of total aggregate, no air entraining admixture shall be used, and water used shall be a maximum of 157 lb/cu yd (93.1 kg/cu m) (including free moisture on the fine and coarse aggregates).

Note 3. For HRM and microsilica overlays, the Contractor shall submit a specific batching sequence for verification by the Engineer. The submittal shall include whether a truck or stationary mixer will be used. For HRM overlays, the submittal shall include whether bulk or bagged HRM will be used. For microsilica overlays, the submittal shall include whether the microsilica to be used is a water based slurry, bulk densified, or bagged densified.

Note 4. Synthetic fibers, when required, shall be according to Article 1014.01, and 1014.04 or 1014.05, as applicable.

531.03 Equipment. Equipment shall be according to the following.

Item	Article/Section
(a) Concrete Equipment (Note 1)	1020.03
(b) Finishing Equipment	503.03
(c) Fogging Equipment	1103.17(k)
(d) Mechanical Scarifying Equipment (Note 2)	1101.16
(e) Hydro-Scarification Equipment (Note 3)	
(f) Hand-Held Blast Cleaning Equipment (Note 4)	
(g) Mechanical Blast Cleaning Equipment (Note 5)	
(h) Pull-Off Test Equipment (Note 6)	

Note 1. For latex concrete overlays, a mobile portland cement concrete plant shall be used according to Articles 1020.12 and 1103.04.

Note 2. Mechanical scarifying equipment shall be capable of uniformly scarifying or removing the old concrete surface and new patches to the depth required. The minimum width of the equipment shall be 3 ft (1 m).

Note 3. Hydro-scarification equipment shall consist of filtering and pumping units operating with a computerized, self-propelled robotic machine capable of removing sound concrete in a single pass to the specified depth and operating at a 16,000 psi (110 MPa) minimum water pressure with a 55 gal/min (208 L/min) minimum water flow rate.

Note 4. Hand-held blast cleaning shall be performed by high-pressure waterblasting or abrasive blasting. High-pressure waterblasting equipment shall have a minimum water pressure of 7000 psi (48 MPa) and have oil traps.

Note 5. Mechanical blast cleaning shall be performed by high-pressure waterblasting or shotblasting capable of removing weak concrete at the surface, including the microfractured concrete surface layer remaining as a result of mechanical scarification, and shall have oil traps.

Mechanical high-pressure waterblasting equipment shall be mounted on a wheeled carriage, include multiple nozzles mounted on a rotating assembly, and shall be operated with a 7000 psi (48 MPa) minimum water pressure. The distance between the nozzles and the deck surface shall be kept constant and the wheels shall maintain contact with the deck surface during operation.

Note 6. Equipment used to perform pull-off testing shall be on the Department's qualified product list "Pull-Off Test Equipment for Bridge Deck Overlays".

CONSTRUCTION REQUIREMENTS

531.04 General. The Contractor shall control the runoff water generated by the various construction activities in such a manner as to minimize, to the maximum extent practicable, the discharge of untreated effluent into adjacent waters, and shall properly dispose of the solids generated according to Article 202.03. The Contractor shall submit a water management plan to the Engineer specifying the control measures to be used. The control measures shall be in place prior to the start of runoff water generating activities. Runoff water shall not be allowed to constitute a hazard to adjacent or underlying roadways, waterways, drainage areas or railroads nor be allowed to erode existing slopes.

531.05 Preparation. Sidewalks, curbs, drains, reinforcement, existing transverse and longitudinal joints, and other appurtenances which are to remain in place shall be protected from damage during scarification and cleaning operations.

(a) Scarification. The scarification shall consist of removing the concrete using mechanical and hydro-scarifying equipment to the depth specified on the plans. The depth specified shall be measured from the existing concrete surface to the grout line between aggregates remaining after scarification. Power-driven hand tools shall be used for removal around areas to remain in place and areas not accessible to the scarifying equipment. Power-driven hand tools include jackhammers lighter than the nominal 45 lb (20 kg) class. Jackhammers or chipping hammers shall be operated at an angle less than 45 degrees measured from the surface of the slab.

Mechanical scarification equipment shall be used to remove the initial 1/4 in. (25 mm) minimum depth of concrete, creating a uniform roughened concrete surface. If the Contractor's use of mechanical scarifying equipment results in exposing, snagging, or

dislodging the top mat of reinforcing steel, the mechanical scarifying depth shall be reduced as necessary immediately. If the exposing, snagging, or dislodging the top mat of reinforcing steel cannot be avoided, the mechanical scarifying shall be stopped immediately and the remaining removal shall be accomplished using the hydro-scarification equipment. All damage to the existing reinforcement resulting from the Contractor's operation shall be repaired or replaced at no additional cost to the Department. Replacement shall include the removal of any additional concrete required to position or splice the new reinforcing steel. Undercutting of exposed reinforcement bars shall only be as required to replace or repair damaged reinforcement. Repairs to existing reinforcement shall be according to Section 530.

(b) Sounding. Just prior to performing hydro-scarification, the deck shall be sounded, with unsound areas marked on the deck by the Engineer. A trial section, in an area of sound concrete, on the existing deck surface will be designated by the Engineer to calibrate the equipment settings to remove sound concrete to the required depth, in a single pass, and provide a highly roughened bondable surface. The trial section shall consist of approximately 30 sq ft (3 sq m). After calibration in an area of sound concrete, the equipment shall be moved to a second trial section, as designated by the Engineer, in an area containing unsound concrete to verify the calibrated settings are sufficient to remove the unsound concrete. If the calibrated settings are insufficient to remove the unsound concrete, the equipment may be moved back to an area of sound concrete and the calibration settings verified.

After the equipment settings are established, they shall be supplied to the Engineer and include the following.

(1) Water pressure
(2) Water flow rate
(3) Nozzle type and size
(4) Nozzle travel speed
(5) Machine staging control (step/advance rate)

Hydro-scarification may begin after the calibration settings have been approved by the Engineer. At least the last 1/2 in. (13 mm) of removal shall be accomplished with hydro-scarification equipment.

The removal depth will be verified by the Engineer. If sound concrete is being removed below the desired depth, the equipment shall be recalibrated.

(c) Cleaning. After hydro-scarification, the concrete shall be vacuum cleaned before the water and debris are allowed to dry and re-solidify to the deck. The vacuum shall be equipped with fugitive dust control devices capable of removing wet debris and water in the same pass. The vacuum shall also be capable of washing the deck with pressurized water prior to the vacuum operation to dislodge all debris and slurry from the deck surface. The use of alternative cleaning and debris removal methods to minimize driving heavy

vacuum equipment over the exposed reinforcement may be used subject to the approval of the Engineer.

531.06 Patching. After scarification and cleaning, the Engineer will sound the scarified concrete and survey the existing reinforcement condition. All remaining unsound concrete and unacceptably corroded reinforcement bars will be marked for additional removal and/or repairs and shall be completed according to Section 530 except as noted below.

In areas where unsound concrete extends below the specified removal depth and hydro-scarification completely removes unsound concrete, a full-depth repair shall be required when the bottom mat of reinforcement is exposed.

Full-depth patches shall be struck off to the scarified surface and then roughened with a suitable stiff bristled broom or wire brush to provide a rough texture. Hand finishing of the patch surface shall be kept to a minimum to prevent overworking of the surface.

Any removal required or made below the specified depth for scarification, which does not result in full-depth repair, shall be filled with the overlay material at the time of the overlay placement.

Undercutting of exposed reinforcement bars shall only be as required to replace or repair damaged or corroded reinforcement, or to perform a full depth repair.

531.07 Final Surface Preparation. Final surface preparation shall include the cleaning of all dust, debris, concrete fines, and other foreign substances from the surface including vertical faces of curbs, previously placed adjacent overlays, barrier walls up to a height of 1 in. (25 mm) above the overlay, depressions, and beneath reinforcement bars using hand-held blast cleaning methods.

If spoils from the scarification operation are allowed to dry and re-solidify on the surface, the surface shall be cleaned with mechanical blast cleaning equipment. Areas determined by the Engineer to be inaccessible to scarifying equipment shall be blast cleaned with hand-held equipment.

The Engineer may require surface pull-off testing of areas inaccessible to scarifying equipment. The Contractor shall provide the testing equipment in accordance with Illinois Test Procedure 304 “Pull-Off Test (Surface Method)”. Prior to the start of testing, the Contractor shall submit to the Engineer a technical data sheet and material safety data sheet for the epoxy used to perform the testing. For solvents used to clean the equipment, a material safety data sheet shall be submitted. The Engineer will determine each test location, and each individual test shall have a minimum strength of 175 psi (1,207 kPa). In the case of a failing test, the Contractor shall adjust the blast cleaning method and re-clean the area. Testing will be repeated until satisfactory results are attained.

Exposed reinforcement bars shall be free of dirt, detrimental scale, paint, oil, and other foreign substances which may reduce bond with the concrete. Loose, scaling rust shall be removed by

rubbing with burlap, wire brushing, blast cleaning, or another method approved by the Engineer. Loose reinforcement bars, as determined by the Engineer, shall be retied.

Dust, concrete fines, debris, and water resulting from the surface preparation shall be confined and immediately removed. If concrete placement does not follow immediately after the final cleaning, the area shall be protected with anchored white polyethylene sheeting.

531.08 Equipment Preparation. Before placing the overlay, the finishing machine shall be operated over the full length of bridge segment to be overlaid to check support rails for deflection and confirm the minimum overlay thickness. If adjustments are needed, another check shall be performed.

531.09 Placing. Concrete placement shall be according to Article 503.07, 503.16, and the following.

The surface shall be cleaned to the satisfaction of the Engineer and shall be thoroughly wetted and maintained in a dampened condition with water for at least 12 hours before placement of the overlay. Excess water shall be removed by compressed air or by vacuuming prior to the beginning of overlay placement. Water shall not be applied to the surface within one hour before or at any time during placement of the overlay.

Internal vibration shall be performed along edges, adjacent to bulkheads, and where the overlay thickness exceeds 3 in. (75 mm). Internal vibration along the longitudinal edges of a pour shall be performed with a minimum of two hand-held vibrators, one on each edge of the pour. Hand finishing shall be performed along the edges of the pour from sidewalks, curbs, or work bridges.

A construction dam or bulkhead shall be installed in case of a delay of 30 minutes or more in the concrete placement operation.

Construction joints shall be formed. When required by the Engineer, the previously placed overlay shall be sawed full-depth to a straight and vertical edge before fresh concrete is placed. The Engineer will determine the extent of the removal. When longitudinal joints are not shown on the plans, the locations shall be subject to approval by the Engineer and shall not be located in the wheel paths.

The Contractor shall stencil the date of construction (month and year) and the appropriate letters into the overlay before it takes its final set, as follows.

(a) MS, for MicroSilica
(b) MSFA, when fly ash is used in the silica fume mix design, for MicroSilica Fly Ash
(c) MSF, for MicroSilica with Fibers
(d) MSFAF, when fly ash is used in the silica fume mix design, for MicroSilica Fly Ash with Fibers
(e) LX, for LateX
(f) LXF, for LateX with Fibers

(g) HRM, for High-Reactivity Metakaolin
(h) HRMFA, when fly ash is used in the HRM mix design, for High-Reactivity Metakaolin Fly Ash
(i) HRMF, for High-Reactivity Metakaolin with Fibers
(j) HRMFAF, when fly ash is used in the HRM mix design, for High-Reactivity Metakaolin Fly Ash with Fibers
(k) FA, for Fly Ash
(l) FAF, for Fly Ash with Fibers
(m) GGBF, for Ground Granulated Blast Furnace slag
(n) GGBFF, for Ground Granulated Blast Furnace slag with Fibers

The stencil shall be in a noticeable location, as determined by the Engineer, for each stage of construction outside of the grooving where possible and within 3 ft (1 m) of an abutment joint. The characters shall be 3 to 4 in. (75 to 100 mm) in height, 1/4 in. (5 mm) in depth and face the centerline of the roadway.

531.10 Weather and Other Limitations. Temperature control for concrete placement shall be according to Article 1020.14(b). The concrete protection from low air temperatures during the curing period shall be according to Article 1020.13(d). Concrete shall not be placed when rain is expected during the working period. If night placement is required, illumination and placement procedures will be subject to approval by the Engineer.

Concrete delivery vehicles driven on the structure shall be limited to a maximum load of 6 cu yd (4.6 cu m).

Truck mixers, concrete pumps, or other heavy equipment will not be permitted on any portion where the top reinforcing mat has been exposed. Conveyors, buggy ramps, and pump piping shall be installed in a way that will not displace undercut reinforcement bars. Air compressors may be operated on the deck only if located directly over a pier and supported off undercut reinforcement bars. Compressors will not be allowed to travel over undercut reinforcement bars.

Concrete removal may proceed during final cleaning and concrete placement on adjacent portions, provided the removal does not interfere with the cleaning or placement operations.

Water or contaminants from the hydro-scarification shall not be permitted in areas where the new overlay has been placed until the overlay has cured a minimum of 24 hours.

No concrete shall be removed within 6 ft (1.8 m) of a newly-placed overlay until the concrete has obtained a minimum compressive strength of 3000 psi (20,700 kPa) or flexural strength of 600 psi (4,150 kPa).

531.11 Curing. For silica fume, HRM, GGBF, and fly ash concrete overlays, the surface shall be continuously wet cured for at least seven days according to Articles 1020.13(a)(5) or (a)(6).

For latex modified concrete overlays, the surface shall be continuously wet cured for at least 48 hours according to Articles 1020.13(a)(3), (a)(5), or (a)(6). After the wet cure is completed, all layers of covering materials shall be removed to allow for a dry cure for at least 48 hours. If the ambient temperature falls below 45°F (10°C) during either the wet or dry curing periods, the time below 45°F (10°C) will not be included in the 96 hour curing period. If there is sufficient rain to wet the surface of the overlay for more than one hour of the dry cure period, the wet time will not be included in the 48 hour dry cure period.

When the mats or blankets have been pre-dampened, excess water shall not be allowed to drip onto the overlay during placement.

531.12 Testing. The Engineer reserves the right to conduct pull-off tests on the overlay to determine if any areas are not bonded to the underlying concrete. The overlay will be tested according to the Illinois Test Procedure 305 “Pull-Off Test (Overlay Method)”, and the Contractor shall provide the test equipment. Prior to the start of testing, the Contractor shall submit to the Engineer a technical data sheet and material safety data sheet for the epoxy used to perform the testing. For solvents used to clean the equipment, a material safety data sheet shall be submitted. Each individual test shall have a minimum strength of 150 psi (1,034 kPa). If the test results are unacceptable, the overlay shall be removed and replaced at the locations determined by the Engineer. When removing portions of an overlay, the saw cut shall be a minimum depth of 1 in. (25 mm).

If the overlay is to remain in place, all core holes due to testing shall be filled with a rapid set mortar or concrete. Only enough water to permit placement and consolidation by rodding shall be used, and the material shall be struck-off flush with the adjacent material.

For a rapid set mortar mixture, one part packaged rapid set cement shall be combined with two parts fine aggregate, by volume; or a packaged rapid set mortar shall be used. For a rapid set concrete mixture, a packaged rapid set mortar shall be combined with coarse aggregate according to the manufacturer’s instructions; or a packaged rapid set concrete shall be used. Mixing of a rapid set mortar or concrete shall be according to the manufacturer’s instructions.

531.13 Opening to Traffic. No traffic or construction equipment will be permitted on the overlay until after the cure period and the concrete has obtained a minimum compressive strength of 4000 psi (27,500 kPa) or flexural strength of 675 psi (4,650 kPa).

531.14 Method of Measurement. Scarification will be measured for payment in square yards (square meters). No additional payment will be made for multiple passes of the equipment.

The concrete overlay will be measured for payment in square yards (square meters).

Additional concrete placed with the overlay, required to fill all depressions below the specified thickness will be measured for payment in cubic yards (cubic meters). The volume will be determined by subtracting the theoretical volume of the overlay from the ticketed volume of overlay delivered minus the volume estimated by the Engineer left in the last truck at the end of the overlay placement. The theoretical cubic yard (cubic meter) quantity for the overlay will be

determined by multiplying the plan surface area of the overlay times the specified thickness of the overlay.

Partial depth removal in concurrence with hydro-scarification will not be measured for payment.

531.15 Basis of Payment. Scarification will be paid for at the contract unit price per square yard (square meter) for BRIDGE DECK SCARIFICATION, of the depth specified.

Silica fume concrete overlay will be paid for at the contract unit price per square yard (square meter) for BRIDGE DECK MICROSILICA CONCRETE OVERLAY, of the thickness specified. Latex modified concrete overlay will be paid for at the contract unit price per square yard (square meter) for BRIDGE DECK LATEX CONCRETE OVERLAY, of the thickness specified. HRM concrete overlay will be paid for at the contract unit price per square yard (square meter) for BRIDGE DECK HRM CONCRETE OVERLAY, of the thickness specified. GGBF or fly ash concrete overlay will be paid for at the contract unit price per square yard (square meter) for BRIDGE DECK GGBF OR FLY ASH CONCRETE OVERLAY, of the thickness specified.

The additional volume of overlay required to fill all depressions below the specified thickness and/or for grade adjustments will be paid for at the Contractor's actual material cost for the concrete per cubic yard (cubic meter) times an adjustment factor. For volumes 15 percent or less over the theoretical volume of the overlay, the adjustment factor will be 1.15. For volumes greater than 15 percent, the adjustment factor will be 1.25 for that volume over 15 percent of the theoretical volume of the overlay.

Concrete protected according to Article 1020.13(d) will be paid according to Article 503.22.

Areas requiring additional partial depth or full depth removal of unsound concrete after hydro-scarification, as determined by the Engineer, will be paid according to Article 109.04.

Reinforcement bars repaired in-kind, as approved by the Engineer, will be paid according to Article 109.04.

When the Engineer conducts pull-off tests on the existing surface or overlay and they are acceptable, Contractor expenses incurred due to testing and filling core holes will be paid according to Article 109.04. Unacceptable pull-off tests will be at no additional cost to the Department."

80475

CEMENT, FINELY DIVIDED MINERALS, ADMIXTURES, CONCRETE, AND MORTAR (BDE)

Effective: January 1, 2025
Revised: January 1, 2026

Revise the first paragraph of Article 285.05 of the Standard Specifications to read:

"**285.05 Fabric Formed Concrete Revetment Mat.** The grout shall consist of a mixture of cement, fine aggregate, and water so proportioned and mixed as to provide a pumpable slurry. Fly ash or ground granulated blast furnace (GGBF) slag, and concrete admixtures may be used at the option of the Contractor. The grout shall have an air content of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The mix shall obtain a compressive strength of 2500 psi (17,000 kPa) at 28 days according to Article 1020.09."

Revise Article 302.02 of the Standard Specifications to read:

"**302.02 Materials.** Materials shall be according to the following.

	Item	Article/Section
(a)	Cement	1001
(b)	Water	1002
(c)	Hydrated Lime	1012.01
(d)	By-Product, Hydrated Lime	1012.02
(e)	By-Product, Non-Hydrated Lime	1012.03
(f)	Lime Slurry	1012.04
(g)	Fly Ash	1010
(h)	Soil for Soil Modification (Note 1)	1009.01
(i)	Bituminous Materials (Note 2)	1032

Note 1. This soil requirement only applies when modifying with lime (slurry or dry).

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250."

Revise Article 312.07(c) of the Standard Specifications to read:

"(c) Cement ..... 1001"

Add Article 312.07(i) of the Standard Specifications to read:

"(i) Ground Granulated Blast Furnace (GGBF) Slag ..... 1010"

Revise the first paragraph of Article 312.09 of the Standard Specifications to read:

"**312.09 Proportioning and Mix Design.** At least 60 days prior to start of placing CAM II, the Contractor shall submit samples of materials to be used in the work for proportioning and testing. The mixture shall contain a minimum of 200 lb (120 kg) of cement per cubic yard (cubic meter). Cement may be replaced with fly ash or ground granulated blast furnace (GGBF) slag according to Article 1020.05(c)(1) or 1020.05(c)(2), respectively, however the minimum cement content in the mixture shall be 170 lbs/cu yd (101 kg/cu m). Blends of coarse and fine aggregates will be permitted, provided the volume of fine aggregate does not exceed the volume of coarse aggregate. The Engineer will determine the proportions of materials for the mixture according to the "Portland Cement Concrete Level III Technician Course" manual. However, the Contractor may substitute their own mix design. Article 1020.05(a) shall apply, and a Level III PCC Technician shall develop the mix design."

Revise Article 352.02 of the Standard Specifications to read:

"**352.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement (Note 1)	1001
(b) Soil for Soil-Cement Base Course	1009.03
(c) Water	1002
(d) Bituminous Materials (Note 2)	1032

Note 1. Bulk cement may be used for the traveling mixing plant method if the equipment for handling, weighing, and spreading the cement is approved by the Engineer.

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250."

Revise Article 404.02 of the Standard Specifications to read:

"**404.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.08
(d) Bituminous Material (Tack Coat)	1032.06
(e) Emulsified Asphalts (Note 1) (Note 2)	1032.06
(f) Fiber Modified Joint Sealer	1050.05
(g) Additives (Note 3)	

Note 1. When used for slurry seal, the emulsified asphalt shall be CQS-1h according to Article 1032.06(b).

Note 2. When used for micro-surfacing, the emulsified asphalt shall be CQS-1hP according to Article 1032.06(e).

Note 3. Additives may be added to the emulsion mix or any of the component materials to provide the control of the quick-traffic properties. They shall be included as part of the mix design and be compatible with the other components of the mix.

Revise the last sentence of the fourth paragraph of Article 404.08 of the Standard Specifications to read:

"When approved by the Engineer, the sealant may be dusted with fine sand, cement, or mineral filler to prevent tracking."

Revise Note 2 of Article 516.02 of the Standard Specifications to read:

"Note 2. The sand-cement grout mix shall be according to Section 1020 and shall be a 1:1 blend of sand and cement comprised of a Type I, IL, or II cement at 185 lb/cu yd (110 kg/cu m). The maximum water cement ratio shall be sufficient to provide a flowable mixture with a typical slump of 10 in. (250 mm)."

Revise Note 2 of Article 543.02 of the Standard Specifications to read:

"Note 2. The grout mixture shall be 6.50 hundredweight/cu yd (385 kg/cu m) of cement plus fine aggregate and water. Fly ash or ground granulated blast furnace (GGBF) slag may replace a maximum of 5.25 hundredweight/cu yd (310 kg/cu m) of the cement. The water/cement ratio, according to Article 1020.06, shall not exceed 0.60. An air-entraining admixture shall be used to produce an air content, according to Article 1020.08, of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The Contractor shall have the option to use a water-reducing or high range water-reducing admixture."

Revise Article 583.01 of the Standard Specifications to read:

"**583.01 Description.** This work shall consist of placing cement mortar along precast, prestressed concrete bridge deck beams as required for fairing out any unevenness between adjacent deck beams prior to placing of waterproofing membrane and surfacing."

Revise Article 583.02(a) of the Standard Specifications to read:

"(a) Cement .....1001"

Revise the first paragraph of Article 583.03 of the Standard Specifications to read:

"**583.03 General.** This work shall only be performed when the air temperature is 45 °F (7 °C) and rising. The mixture for cement mortar shall consist of three parts sand to one part cement by volume. The amount of water shall be no more than that necessary to produce a workable, plastic mortar."

Revise Article 606.02(h) of the Standard Specifications to read:

"(h) Fibers (Note 1) .....1014"

Revise Note 1 in Article 606.02(h) of the Standard Specifications to read:

"Note 1. Fibers, when required, shall only be used in the concrete mixture for slipform applications."

Revise the third paragraph in Article 606.10 of the Standard Specifications to read:

"Welded wire fabric shall be 6 x 6 in. (150 x 150 mm) mesh, #4 gauge (5.74 mm), 58 lb (26 kg) per 100 sq ft (9 sq m)."

Revise Article 1001.01(d) of the Standard Specifications to read:

"(d) Rapid Hardening Cement. Rapid hardening cement shall be according to the Bureau of Materials Policy Memorandum "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants", and ASTM C 1600, Type URH, Type VRH, or Type RH-CAC. It shall be used according to Article 1020.04 or when approved by the Engineer. The Contractor shall submit a report from the manufacturer or an independent lab that contains results for testing according to ASTM C 1600 which shows the cement meets the requirements of either Type URH, Type VRH, or Type RH-CAC. Test data shall be less than 1 year old from the date of submittal.

Revise Article 1001.01(e) of the Standard Specifications to read:

"(e) Other Cements. Other cements shall be according to the Bureau of Materials Policy Memorandum "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants", and ASTM C 1157 or ASTM C 1600, as applicable. Other cements shall be used according to Article 1020.04 or when approved by the Engineer. For cements according to ASTM C 1157, the Contractor shall submit a report from the manufacturer or an independent lab that contains results of tests which shows the cement meets the requirements Type GU, HE, MS, MH, or LH. For cements according to ASTM C 1600, the Contractor shall submit a report from the manufacturer or an independent lab that contains results of tests which shows the cement meets the requirements Type MRH or GRH. Test data shall be less than 1 year old from the date of submittal."

Revise Article 1002.02 of the Standard Specifications to read:

"**1002.02 Quality**. Water used with cement in concrete or mortar and water used for curing concrete shall be clean, clear, and free from sugar. In addition, water shall be tested and evaluated for acceptance according to one of the following options.

OPTION 1.

(a) Acceptable limits for acidity and alkalinity when tested according to ITP T 26.

(1) Acidity -- 0.1 Normal NaOH ..... 2 ml max.*
(2) Alkalinity -- 0.1 Normal HCl..... 10 ml max.*
*To neutralize 200 ml sample.

(b) Acceptable limits for solids when tested according to the following.

(1) Organic (ITP T 26)..... 0.02% max.
(2) Inorganic (ITP T 26)..... 0.30% max.
(3) Sulfate (SO4) (ASTM D 516-82)..... 0.05% max.
(4) Chloride (ASTM D 512) ..... 0.06% max.

(c) The following tests shall be performed on the water sample and on deionized water. The same cement and sand shall be used for both tests.

(1) Unsoundness (ASTM C 151).
(2) Initial and Final Set Time (ASTM C 266).
(3) Strength (ASTM C 109).

The test results for the water sample shall not deviate from the test results for the deionized water, except as allowed by the precision in the test method.

OPTION 2. Water shall meet the requirements ASTM C 1602 Tables 1 and 2 as outlined in Sections 5.1, 5.2, and 5.4."

Revise Note 2/ in Article 1003.01(b) of the Standard Specifications to read:

"2/ Applies only to sand. Sand exceeding the colorimetric test standard of 11 (Illinois Modified AASHTO T 21) will be checked for mortar making properties according to Illinois Modified ASTM C 87 and shall develop a compressive strength at the age of 14 days when using Type I, IL, or II cement of not less than 95 percent of the comparable standard.

Revise the second sentence of Article 1003.02(e)(1) of the Standard Specifications to read:

"The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.90 percent or greater."

Revise the first sentence of the second paragraph of Article 1003.02(e)(3) of the Standard Specifications to read:

"The ASTM C 1293 test shall be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.80 percent or greater."

Revise the second sentence of Article 1004.02(g)(1) of the Standard Specifications to read:

"The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.90 percent or greater."

Add the following Section to the Standard Specifications.

"**SECTION 1014. FIBERS FOR CONCRETE**

1014.01 General. Fibers used in concrete shall be Type II or Type III (polyolefin or carbon) according to ASTM C 1116. The testing required for Type II fibers or Type III polyolefin fibers shall be performed by an independent lab a minimum of once every five years, and the test results provided to the Department. Manufacturers of Type III carbon fibers shall provide materials certification documentation not more than 6 years old a minimum of once every 5 years to the Department. The Department will maintain a qualified product list. The method of inclusion of fibers into concrete mixtures shall be according to the manufacturer's specifications.

At the discretion of the Engineer, the concrete mixture shall be evaluated in a field demonstration for fiber clumping, ease of placement, and ease of finishing. The field demonstration shall consist of a minimum 2 cu yd (1.5 cu m) trial batch placed in a 12 ft x 12 ft (3.6 m x 3.6 m) slab.

1014.02 Concrete Gutter, Curb, Median and Paved Ditch. Fibers shall be Type III. Fibers shall have a minimum length of 1/2 in. (13 mm) and a maximum length of 0.75 in. (19 mm). The maximum dosage rate in the concrete mixture shall not exceed 1.5 lb/cu yd (0.9 kg/cu m). The minimum dosage rate shall be per the manufacturer's recommendation.

1014.03 Concrete Inlay or Overlay. Fibers shall be Type III. Fibers shall have a minimum length of 1.0 in. (25 mm), a maximum length of 2 1/2 in. (63 mm), and a maximum aspect ratio (length divided by the equivalent diameter of the fiber) of 150. The maximum dosage rate shall not exceed 5.0 lb/cu yd (3.0 kg/cu m). The minimum dosage rate shall be per the manufacturer's recommendation.

1014.04 Bridge Deck Fly Ash, Ground Granulated Blast Furnace (GGBF) Slag, High Reactivity Metakaolin, or Microsilica (Silica Fume) Concrete Overlay. Fibers shall be Type III. The dosage rate shall be a minimum of 3.0 lb/cu yd (1.8 kg/cu m), unless a field demonstration according to Article 1014.01 indicates that a lower dosage rate is necessary. Based on the results of the field demonstration, the Department has the option to reduce the dosage rate of fibers, but the dosage will not be reduced to less than 2.0 lb / cu yd (1.2 kg/cu m).

1014.05 Bridge Deck Latex Concrete Overlay. Fibers shall be Type II or III. Fibers shall have a minimum length of 0.75 in. (19 mm), a maximum length of 1.75 in. (45 mm), and an aspect ratio (length divided by the equivalent diameter of the fiber) of between 70 and 100. The dosage rate shall be a minimum of 3.0 lb/cu yd (1.8 kg/cu m), unless a field demonstration according to Article 1014.01 indicates that a lower dosage rate is necessary. Based on the results of the field

demonstration, the Department has the option to reduce the dosage rate of fibers, but the dosage will not be reduced to less than 2.0 lb/cu yd (1.2 kg/cu m)."

Add the following Section to the Standard Specifications:

"**SECTION 1015. HIGH PERFORMANCE SHOTCRETE**

1015.01 Packaged Shotcrete With Aggregate. The packaged shotcrete with aggregate shall be a pre-blended dry combination of materials for the wet-mix shotcrete method according to ASTM C 1480, Type FA or CA, Grade FR, Class I. The fibers shall be Type III according to Article 1014.01. The cement and finely divided minerals in the mixture shall be a minimum 6.65 cwt/cu yd (395 kg/cu m), and the portland cement shall not be below 4.70 cwt/cu yd (279 kg/cu m). Microsilica is required in the mixture and shall be a minimum of 5 percent by weight (mass) of cementitious material, and a maximum of 10 percent. Strength requirements shall be according to ASTM C 1480 except that the strength at 28 days shall be at least 4000 psi (27,500 kPa). Strength testing shall be according to ASTM C 1140. The air content as shot shall be 4.0 – 8.0 percent when tested according to AASHTO T 152, and the coarse aggregate shall be a maximum size of 1/2 in. (12.5 mm).

The packaged shotcrete shall have a water soluble chloride ion content of less than 0.15% by weight of cementitious material when tested according to ASTM C 1218 or AASHTO T 260.

The testing according to ASTM C 1480, ASTM C 1140, AASHTO 152, and ASTM C 1218 or AASHTO T 260 shall be performed by an independent lab a minimum of once every 5 years, and the test results shall be provided to the Department. The Department will maintain a qualified product list. Batching and mixing shall be per the manufacturer's recommendations.

1015.02 Packaged Shotcrete Without Aggregate. The packaged shotcrete that does not include pre-blended aggregate shall be according to Article 1015.01, except the added aggregate shall be according to Articles 1003.02 and 1004.02. The aggregate gradation shall be according to the manufacturer. The Department will maintain a qualified product list. Batching and mixing shall be per the manufacturer's recommendations."

Revise Section 1017 of the Standard Specifications to read:

"SECTION 1017. PACKAGED, DRY, COMBINED MATERIALS FOR MORTAR AND CONCRETE

1017.01 Mortar. The mortar shall be high-strength according to ASTM C 387 and shall have a minimum 80.0 percent relative dynamic modulus of elasticity when tested according to AASHTO T 161. For prestressed concrete applications, the mortar shall have a water-soluble chloride ion content of less than 0.06 percent by weight of cementitious material when tested according to ASTM C 1218 or AASHTO T 260; and for non-prestressed concrete applications, the water soluble chloride content shall be less than 0.15 percent by weight of cementitious material. The testing according to ASTM C 387, AASHTO T 161, and either ASTM C 1218 or AASHTO T 260 shall be performed by an independent lab a minimum of once every five years, and the test results

shall be provided to the Department. The Department will maintain a qualified product list. Mixing of the high-strength mortar shall be according to the manufacturer's specifications.

1017.02 Concrete. The materials, testing, and preparation of aggregate for the "high slump" packaged concrete mixture shall be according to ASTM C 387. The mixture shall be air entrained, the slump shall be 5-10 in. (125-250 mm), and the coarse aggregate shall be a maximum size of 1/2 in. (12.5 mm). Strength requirements shall be according to ASTM C 387 except that the strength at 28 days shall be at least 4000 psi (27,500 kPa). The "high slump" packaged concrete mixture shall have a water soluble chloride ion content of less than 0.15% by weight of cementitious material when tested according to ASTM C 1218 or AASHTO T 260. The testing according to ASTM C 387, and either ASTM C 1218 or AASHTO T 260 shall be performed by an independent lab a minimum of once every 5 years, and the test results shall be provided to the Department. The Department will maintain a qualified product list. Mixing shall be per the manufacturer's recommendations.

1017.02 Self-Consolidating Concrete. The materials, testing, and preparation of aggregate for the "self-consolidating concrete" packaged concrete mixture shall be according to ASTM C 387. The mixture shall be air entrained, it should be uniformly graded, and the coarse aggregate shall be a maximum size of 1/2 in. (12.5 mm). Strength requirements shall be according to ASTM C 387 except that the strength at 28 days shall be at least 4000 psi (27,500 Pa). Slump flow range shall be 22 in. (550 mm) minimum to 28 in. (700 mm) maximum when tested according to AASHTO T 347. The visual stability index shall be a maximum of 1 when tested according to AASHTO T 351. At the option of the manufacturer, either the J-Ring value shall be a maximum of 2 in. (50 mm) when tested according to AASHTO T 347 or the L-Box blocking ratio shall be a minimum of 80 percent when tested according AASHTO T 419. The hardened visual stability index shall be a maximum of 1 when tested according to AASHTO R 81.

The "self -consolidating concrete" packaged concrete mixture shall have a water soluble chloride ion content of less than 0.15 percent by weight of cementitious material when tested according to ASTM C 1218 or AASHTO T 260.

The testing according to ASTM C 387, AASHTO T 347, AASHTO T 351, AASHTO T 419, AASHTO R 81, ASTM C 1218 and AASHTO T 260 shall be performed by an independent lab a minimum of once every 5 years, and the test results shall be provided to the Department. The Department will maintain a qualified product list. Mixing shall be per the manufacturer's recommendations."

Revise Article 1018.01 of the Standard Specifications to read:

"**1018.01 Requirements.** The rapid hardening mortar or concrete shall be according to ASTM C 928 and shall have successfully completed and remain current with the AASHTO Product Eval and Audit Rapid Hardening Concrete Patching Materials (RHCP) testing program. R1, R2, or R3 concrete shall be air entrained, the slump shall be 5-10 in. (125-250 mm), and the coarse aggregate shall be a maximum size of 1/2 in. (12.5 mm). For prestressed concrete applications, the mortar or concrete shall have a water-soluble chloride ion content of less than 0.06 percent by weight of cementitious material when tested according to ASTM C 1218 or AASHTO T 260;

and for non-prestressed concrete applications, the water soluble chloride content shall be less than 0.15 percent by weight of cementitious material. The Department will maintain a qualified product list. Mixing of the mortar or concrete shall be according to the manufacturer's specifications.."

Revise Article 1019.02 of the Standard Specifications to read:

"**1019.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate for Controlled Low-Strength Material (CLSM)	1003.06
(d) Fly Ash	1010
(e) Ground Granulated Blast Furnace (GGBF) Slag	1010
(f) Admixtures (Note 1)	

Note 1. The air-entraining admixture may be in powder or liquid form. The air content produced by the admixture shall be 15-25 percent when incorporated into Mix 2 or an equivalent mixture as determined by the Department and tested according to AASHTO T 121 or AASHTO T 152. The testing according to AASHTO T 121 or AASHTO T 152 shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. The Department will maintain a qualified product list."

Revise the third paragraph of Article 1019.04 of the Standard Specifications to read:

"The Engineer will instruct the Contractor to adjust the proportions of the mix design in the field as needed to meet the design criteria, provide adequate flowability, maintain proper solid suspension, or other criteria established by the Engineer."

Revise Article 1019.05 of the Standard Specifications to read:

"**1019.05 Department Mix Design.** The Department mix design shall be Mix 1, 2, or 3 and shall be proportioned to yield approximately one cubic yard (cubic meter).

Mix 1	
Cement	50 lb (30 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2900 lb (1720 kg)
Water	50-65 gal (248-322 L)
Air Content	No air is entrained

Mix 2	
Cement	125 lb (74 kg)

Fine Aggregate – Saturated Surface Dry	2500 lb (1483 kg)
Water	35-50 gal (173-248 L)
Air Content	15-25 %

Mix 3	
Cement	40 lb (24 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2500 lb (1483 kg)
Water	35-50 gal (179-248 L)
Air Content	15-25 %”

Revise Article 1020.04, Table 1, Note (8) of the Standard Specifications to read:

“(8) In addition to the Type III portland cement, 100 lb/cu yd of ground granulated blast-furnace slag and 50 lb/cu yd of microsilica (silica fume) shall be used. For an air temperature greater than 85 ºF, the Type III portland cement may be replaced with Type I, IL, or II portland cement.”

Revise Article 1020.04, Table 1 (Metric), Note (8) of the Standard Specifications to read:

“(8) In addition to the Type III portland cement, 60 kg/cu m of ground granulated blast-furnace slag and 30 kg/cu m of microsilica (silica fume) shall be used. For an air temperature greater than 30 ºC, the Type III portland cement may be replaced with Type I, IL, or II portland cement.”

Revise Note 9 of Table 1 of Article 1020.04 of the Standard Specifications to read:

“(9) The cement shall be a rapid hardening according to Article 1001.01(d). Minimum or maximum cement factor may be adjusted when approved by the Engineer.”

Revise the second paragraph of Article 1020.05(a) of the Standard Specifications to read:

“For a mix design using a portland-pozzolan cement, portland blast-furnace slag cement, portland-limestone cement, or replacing portland cement with finely divided minerals per Articles 1020.05(c) and 1020.05(d), the Contractor may submit a mix design with a minimum portland cement content less than 400 lbs/cu yd (237 kg/cu m), but not less than 375 lbs/cu yd (222 kg/cu m), if the mix design is shown to have a minimum relative dynamic modulus of elasticity of 80 percent determined according to AASHTO T 161. Testing shall be performed by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete.”

Revise the first sentence of the first paragraph of Article 1020.05(b) of the Standard Specifications to read:

“Corrosion inhibitors and concrete admixtures shall be according to the qualified product lists.”

Delete the fourth and fifth sentences of the second paragraph of Article 1020.05(b) of the Standard Specifications.

Revise Article 1020.05(b)(5) of the Standard Specifications to read:

"(5) For Class PP-4 concrete, a high range water-reducing admixture, retarder, and/or hydration stabilizer may be used in addition to the air-entraining admixture. The Contractor also has the option to use a water-reducing admixture with the high range water-reducing admixture. An accelerator shall not be used. A mobile portland cement concrete plant shall be used to produce the patching mixture.

For PP-5 concrete, a non-chloride accelerator, high range water-reducing admixture, retarder, hydration stabilizer, and/or air-entraining admixture may be used. The accelerator, high range water-reducing admixture, retarder, hydration stabilizer, and/or air-entraining admixture shall be per the Contractor's recommendation and dosage. The qualified product list of concrete admixtures shall not apply. A mobile portland cement concrete plant shall be used to produce the patching mixture."

Revise second paragraph of Article 1020.05(b)(10) of the Standard Specifications to read:

"When calcium nitrite is used, it shall be added at the rate of 4 gal/cu yd (20 L/cu m) and shall be added to the mix immediately after all compatible admixtures have been introduced to the batch. Other corrosion inhibitors shall be added per the manufacturer's specifications."

Delete the third paragraph of Article 1020.05(b)(10) of the Standard Specifications.

Revise Article 1020.15(b)(1)c. of the Standard Specifications to read:

"c. The minimum portland cement content in the mixture shall be 375 lbs/cu yd (222 kg/cu m). When the total of organic processing additions, inorganic processing additions, and limestone addition exceed 5.0 percent in the cement, the minimum portland cement content in the mixture shall be 400 lbs/cu yd (237 kg/cu m). For a drilled shaft, foundation, footing, or substructure, the minimum portland cement may be reduced to as low as 330 lbs/cu yd (196 kg/cu m) if the concrete has adequate freeze/thaw durability. The Contractor shall provide freeze/thaw test results according to AASHTO T 161, and the relative dynamic modulus of elasticity of the mix design shall be a minimum of 80 percent. Testing shall be performed by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete. Freeze/thaw testing will not be required for concrete that will not be exposed to freezing and thawing conditions as determined by the Engineer."

Revise Article 1021.01 of the Standard Specifications to read:

"**1021.01 General.** Admixtures shall be furnished in liquid or powder form ready for use. The admixtures shall be delivered in the manufacturer's original containers, bulk tank trucks or such containers or tanks as are acceptable to the Engineer. Delivery shall be accompanied by a ticket which clearly identifies the manufacturer, the date of manufacture, and trade name of the material. Containers shall be readily identifiable as to manufacturer, the date of manufacture, and trade name of the material they contain.

Concrete admixtures shall be on one of the Department's qualified product lists. Unless otherwise noted, admixtures shall have successfully completed and remain current with the AASHTO Product Eval and Audit Concrete Admixture (CADD) testing program. For admixture submittals to the Department; the product brand name, manufacturer name, admixture type or types, an electronic link to the product's technical data sheet, and the NTPEP testing number which contains an electronic link to all test data shall be provided. In addition, a letter shall be submitted certifying that no changes have been made in the formulation of the material since the most current round of tests conducted by AASHTO Product Eval and Audit. After 28 days of testing by AASHTO Product Eval and Audit, air-entraining admixtures may be provisionally approved and used on Departmental projects. For all other admixtures, unless otherwise noted, the time period after which provisionally approved status may be earned is 6 months.

The manufacturer shall include the following in the submittal to the AASHTO Product Eval and Audit CADD testing program: the manufacturing range for specific gravity, the midpoint and manufacturing range for residue by oven drying, and manufacturing range of pH. The submittal shall also include an infrared spectrophotometer trace no more than five years old.

For air-entraining admixtures according to Article 1021.02, the specific gravity allowable manufacturing range established by the manufacturer shall be according to AASHTO M 194. For residue by oven drying and pH, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

For admixtures according to Articles 1021.03, 1021.04, 1021.05, 1021.06, 1021.07, and 1021.08, the pH allowable manufacturing range established by the manufacturer shall be according to ASTM E 70. For specific gravity and residue by oven drying, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

All admixtures, except chloride-based accelerators, shall contain a maximum of 0.3 percent chloride by weight (mass) as determined by an appropriate test method. To verify the test result, the Department will use Illinois Modified AASHTO T 260, Procedure A, Method 1.

Prior to final approval of an admixture, the Engineer reserves the right to request a sample for testing. The test and reference concrete mixtures tested by the Engineer will contain a cement content of 5.65 cwt/cu yd (335 kg/cu m). For freeze-thaw testing, the Department will perform the test according to Illinois Modified AASHTO T 161. The flexural strength test will be performed according to AASHTO T 177. If the Engineer decides to test the admixture, the manufacturer shall submit AASHTO T 197 water content and set time test results on the standard cement used by the Department. The manufacturer may select their lab or an independent lab to perform this testing. The laboratory is not required to be accredited by AASHTO.

Random field samples may be taken by the Department to verify an admixture meets specification. A split sample will be provided to the manufacturer if requested. Admixtures that do not meet specification requirements or an allowable manufacturing range established by the manufacturer shall be replaced with new material."

Revise Article 1021.03 of the Standard Specifications to read:

"**1021.03 Retarding and Water-Reducing Admixtures.** The admixture shall be according to the following.

(a) Retarding admixtures shall be according to AASHTO M 194, Type B (retarding) or Type D (water-reducing and retarding).

(b) Water-reducing admixtures shall be according to AASHTO M 194, Type A.

(c) High range water-reducing admixtures shall be according to AASHTO M 194, Type F (high range water-reducing) or Type G (high range water-reducing and retarding)."

Revise Article 1021.05 of the Standard Specifications to read:

"**1021.05 Self-Consolidating Admixtures.** Self-consolidating admixture systems shall consist of either a high range water-reducing admixture only or a high range water-reducing admixture combined with a separate viscosity modifying admixture. The one or two component admixture system shall be capable of producing a concrete that can flow around reinforcement and consolidate under its own weight without additional effort and without segregation.

High range water-reducing admixtures shall be according to AASHTO M 194, Type F.

Viscosity modifying admixtures shall be according to AASHTO M 194, Type S (specific performance)."

Revise Article 1021.06 of the Standard Specifications to read:

"**1021.06 Rheology-Controlling Admixture.** Rheology-controlling admixtures shall be capable of producing a concrete mixture with a lower yield stress that will consolidate easier for slipform applications used by the Contractor. Rheology-controlling admixtures shall be according to AASHTO M 194, Type S (specific performance)."

Revise Article 1021.07 of the Standard Specifications to read:

"**1021.07 Corrosion Inhibitor.** The corrosion inhibitor shall be according to one of the following.

(a) Calcium Nitrite. Corrosion inhibitors shall contain a minimum 30 percent calcium nitrite by weight (mass) of solution and shall comply with either the requirements of AASHTO

M 194, Type C (accelerating) or the requirements of ASTM C 1582. The corrosion inhibiting performance requirements of ASTM C 1582 shall not apply.

(b) Other Materials. The corrosion inhibitor shall be according to ASTM C 1582.

For submittals requiring testing according to ASTM M 194, Type C (accelerating), the admixture shall meet the requirements of the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01.

For submittals requiring testing according to ASTM C 1582, a report prepared by an independent laboratory accredited by AASHTO re:source for portland cement concrete shall be provided. The report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications. However, ASTM G 109 test information specified in ASTM C 1582 is not required to be from an independent accredited lab. All other information in ASTM C 1582 shall be from an independent accredited lab. Test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall instead be submitted directly to the Department."

Add Article 1021.08 of the Standard Specifications as follows:

"**1021.08 Other Specific Performance Admixtures.** Other specific performance admixtures shall, at a minimum, be according to AASHTO M 194, Type S (specific performance). The Department also reserves the right to require other testing, as determined by the Engineer, to show evidence of specific performance characteristics.

Initial testing according to AASHTO M 194 may be conducted under the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01, or by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete. In either case, test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall also be submitted directly to the Department. The independent accredited lab report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications."

Add Article 1021.09 of the Standard Specifications as follows:

"**1021.09 Latex Admixtures**. The latex admixture shall be a uniform, homogeneous, non-toxic, film-forming, polymeric emulsion in water to which all stabilizers have been added at the point of manufacture. The latex admixture shall not contain any chlorides and shall contain 46-49 percent solids.

In lieu of meeting the requirements of Article 1021.01, the Contractor shall submit a manufacturer's certification that the latex emulsion meets the requirements of FHWA Research Report RD-78-35, Chapter VI. The certificate shall include the date of manufacture of the latex admixture, batch or lot number, quantity represented, manufacturer's name, and the location of the manufacturing plant. The latex emulsion shall be sampled and tested in accordance with RD-78-35, Chapter VII, Certification Program.

The latex admixture shall be packaged and stored in containers and storage facilities which will protect the material from freezing and from temperatures above 85°F (30°C). Additionally, the material shall not be stored in direct sunlight and shall be shaded when stored outside of buildings during moderate temperatures."

Revise Article 1024.01 of the Standard Specifications to read:

"**1024.01 Requirements for Grout.** The grout shall be proportioned by dry volume, thoroughly mixed, and shall have a minimum temperature of 50 °F (10 °C). Water shall not exceed the minimum needed for placement and finishing.

Materials for the grout shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.02
(d) Fly Ash	1010
(e) Ground Granulated Blast Furnace (GGBF) Slag	1010
(f) Concrete Admixtures	1021"

Revise Note 1 of Article 1024.02 of the Standard Specifications to read:

"Note 1. Nonshrink grout shall be according to ASTM C 1107.

For prestressed concrete applications, the nonshrink grout shall have a water soluble chloride ion content of less than 0.06 percent by weight of cementitious material when tested according to ASTM C 1218 or AASHTO T 260; and for non-prestressed concrete applications, the water soluble chloride ion content shall be less than 0.15 percent by weight of cementitious material. The testing according to ASTM 1107, and either ASTM C 1218 or AASHTO T 260 shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. The Department will maintain a qualified product list. Mixing of the nonshrink grout shall be according to the manufacturer's specifications."

Revise Article 1029.02 of the Standard Specifications to read:

"**1029.02 Materials.** Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Fly Ash	1010
(c) Ground Granulated Blast Furnace (GGBF) Slag	1010
(d) Water	1002
(e) Fine Aggregate	1003
(f) Concrete Admixtures	1021

(g) Foaming Agent (Note 1)

Note 1. The manufacturer shall submit infrared spectrophotometer trace and test results indicating the foaming agent meets the requirements of ASTM C 869 in order to be on the Department's qualified product list. Submitted data/results shall not be more than five years old."

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."

Revise Article 1103.04 of the Standard Specifications to read:

"**1103.04 Mobile Portland Cement Concrete Plants.** The mobile concrete plant shall be according to AASHTO M 241 and the Bureau of Materials Policy Memorandum "Approval of Volumetric Mobile Mixers for Concrete". The mixer shall be capable of carrying sufficient unmixed materials to produce not less than 6 cu yd (4.6 cu m) of concrete."

Revise the first two sections of Check Sheet #11 "Subsealing of Concrete Pavements" of the Recurring Special Provisions to read:

"Description. This work shall consist of filling voids beneath rigid and composite pavements with cement grout.

Materials. Materials shall be according to the following Articles/Sections of the Standard Specifications:

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fly Ash	1010
(d) Ground Granulated Blast Furnace (GGBF) Slag	1010
(e) Admixtures	1021
(f) Packaged Rapid Hardening Mortar or Concrete	1018"

Revise the Materials section of Check Sheet #28 "Portland Cement Concrete Inlay or Overlay" of the Recurring Special Provisions to read:

"Materials. Materials shall be according to the following Articles/Sections of the Standard Specifications.

Item	Article/Section
(a) Portland Cement Concrete (Note 1)	1020
(b) Fibers for Concrete	1014
(c) Protective Coat	1023.01

Note 1. Class PV concrete shall be used, except the cement factor for central mixed concrete shall be 6.05 cwt/cu yd (360 kg/cu m). A cement factor reduction according to Article 1020.05(b)(8) of the Standard Specifications will be permitted. CA 5 shall not be used and CA 7 may only be used for overlays that are a minimum of 4.5 in. (113 mm) thick. The Class PV concrete shall have a minimum flexural strength of 550 psi (3800 kPa) or a minimum compressive strength of 3000 psi (20,700 kPa) at 14 days."

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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: January 1, 2025

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 according to the table below.

Horsepower Range	Model Year and Older
50-99	2003
100-299	2002
300-599	2000
600-749	2001
750 and up	2005

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* (https://www.epa.gov/verified-diesel-tech/verified-technologies-list-clean-diesel), 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

DECK SLAB REPAIR

Effective: January 1, 2026

Add the following Section 530 to the Standard Specifications:

"**SECTION 530. DECK SLAB REPAIR**

530.01 Description. This work shall consist of the removal of existing hot-mix asphalt (HMA) surface and loose and deteriorated concrete from a bridge deck, and the replacement with new concrete to the existing top of deck.

Work will be classified as follows.

Removal Type	Description
HMA Surface Removal	Removal of the HMA surface from the concrete bridge deck.
Deck Slab Repair (Partial)	Removal and replacement of the concrete deck, at least 3/4 in. (20 mm) but not more than 1/2 of the concrete deck thickness.
Deck Slab Repair (Full Depth, Type I)	Removal and replacement of the concrete deck to full depth, for an area 1 ft x 1 ft (300 mm x 300 mm) to 5 sq ft (0.5 sq m).
Deck Slab Repair (Full Depth, Type II)	Removal and replacement of the concrete deck to full depth, for an area greater than 5 sq ft (0.5 sq m).

530.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Portland Cement Concrete (Note 1)	1020
(b) Reinforcement Bars	508

Note 1. Class PP-1, PP-2, PP-3, PP-4, PP-5, or BS concrete shall be used unless otherwise noted on the plans.

530.03 Equipment. Equipment shall be according to the following.

Item	Article/Section
(a) Concrete Equipment	1020.03
(b) Finishing Equipment	503.03
(c) Hydrodemolition Equipment	1101.11
(e) Hydro-Scarification Equipment (Note 1)	

Note 1. Hydro-scarification equipment shall consist of filtering and pumping units operating with a computerized, self-propelled robotic machine capable of removing

unsound concrete in a single pass to the specified depth and operating at a 16,000 psi (110 MPa) minimum water pressure with a 55 gal/min (208 L/min) minimum water flow rate.

CONSTRUCTION REQUIREMENTS

530.04 General. Sidewalks, curbs, drains, reinforcement, existing transverse and longitudinal joints, and other appurtenances which are to remain in place shall be protected from damage during removal and cleaning operations.

The Contractor shall control the runoff water generated by the various construction activities in such a manner as to minimize, to the maximum extent practicable, the discharge of untreated effluent into adjacent waters, and shall properly dispose of the solids generated according to Article 202.03. The Contractor shall submit a water management plan to the Engineer specifying the control measures to be used. The control measures shall be in place prior to the start of runoff water generating activities. Runoff water shall not be allowed to constitute a hazard to adjacent or underlying roadways, waterways, drainage areas or railroads nor be allowed to erode existing slopes.

530.05 HMA Surface Removal. The existing HMA surface and waterproofing membrane shall be removed and disposed of according to Articles 440.04 and 440.06, except milling equipment will not be allowed if the deck is to receive a waterproofing membrane system. Removal of the HMA surface by the use of radiant or direct heat will not be permitted. If the HMA surface or waterproofing membrane contains asbestos fibers, removal shall be according to the Recurring Special Provision “Asbestos Waterproofing Membrane or Asbestos Hot-Mix Asphalt Surface Removal”.

530.06 Concrete Removal. Concrete shall be removed, as determined by the Engineer, in areas of loose, disintegrated, and unsound concrete. Areas designated for partial depth repair in which unsound concrete is found to extend below half the concrete deck thickness shall be removed to full depth.

A concrete saw shall be used to provide vertical edges 3/4 in. (20 mm) deep around the perimeter of the area to be patched. Where reinforcement bars lack sufficient concrete cover, the depth shall be reduced as directed by the Engineer. A saw cut will not be required if the deck is to get an overlay, or along the face of the curb, parapet or joint, or when sharp vertical edges are provided by hydrodemolition.

(a) Partial-Depth. The loose and unsound concrete shall be removed using power-driven hand tools or hydrodemolition equipment. Power-driven hand tools include jackhammers less than or equal to the nominal 45 lb (20 kg) class. Chipping hammers heavier than the nominal 15 lb (7 kg) class shall not be used for removing concrete from below reinforcing bars, or for removal within 1 ft (300 mm) of existing beams, girders, or other structural members that are to remain in service. Jackhammers and chipping hammers shall not be operated at an angle less than 45 degrees measured from the surface of the deck.

(b) Full Depth. Full depth removal shall be performed according to Article 501.05 except that hydraulic impact equipment may be permitted in areas of full depth removal more than 1 ft (300 mm) away from the edges of existing beams, girders or other supporting structural members or more than 1 ft (300 mm) from the boundaries of full depth repairs.

Forms for full depth repair may be supported by hangers with adjustable bolts or by blocking from the beams below. When approved by the Engineer, forms for Type I patches may be supported by No. 9 (3.8 mm) wires or other devices attached to the reinforcement bars.

Exposed reinforcement bars and newly exposed concrete shall be blast cleaned. If the Engineer determines the bond between existing concrete and reinforcement bars within the patch area has been destroyed, the concrete adjacent to the bar shall be removed to a depth that will permit new concrete to bond to the entire periphery of the exposed bar. A minimum of 1 in. (25 mm) clearance will be required. If the Engineer enlarges a designated removal area due to deterioration beyond the limits previously designated, a new saw cut shall be made around the extended area before additional removal is begun. The removal area shall not be enlarged solely to correct debonded reinforcement or deficient lap lengths.

530.07 Reinforcement Treatment. Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage. Damage to the reinforcement bars or structural steel to remain in place shall be repaired or replaced. Existing reinforcement bars shall remain in place and loose bars shall be tied. Reinforcing bars which have been removed with the patch or lost at least 25 percent of their original cross-sectional area due to corrosion shall be supplemented by new in-kind reinforcement bars. New bars shall be lapped a minimum of 32 bar diameters to existing bars. A mechanical splicer capable of developing in tension at least 125 percent of the yield strength of the existing bar shall be used when it is not feasible to provide the minimum bar lap. No welding of bars will be permitted.

530.08 Cleaning. After concrete removal and reinforcement repairs, the repair areas shall be cleaned of dust and debris. Once the initial cleaning is completed, the repair areas shall be blast cleaned to a roughened appearance free from concrete fines and foreign matter.

Exposed reinforcement bars shall be free of dirt, detrimental scale, paint, oil, or other foreign substances which may reduce bond with the concrete. Loose, scaling rust shall be removed by rubbing with burlap, wire brushing, blast cleaning, or another method approved by the Engineer.

Dust, concrete fines, debris, and water resulting from the blast cleaning shall be confined and immediately removed. If concrete placement does not follow immediately after the final cleaning, the area shall be protected with anchored polyethylene sheeting.

530.09 Placing. Concrete placement shall be according to Articles 503.07, 503.16, 1020.14(b), and the following.

The patch area shall be cleaned to the satisfaction of the Engineer and shall be thoroughly wetted and maintained in a dampened condition with water for at least 12 hours before placement of the concrete. Excess water shall be removed by compressed air or by vacuuming prior to the beginning of concrete placement. Water shall not be applied to the surface within one hour before or at any time during placement of the concrete.

When an overlay system is not specified, the patches shall be finished according to Article 503.16(a), followed by a light brooming.

530.10 Curing and Protection. Concrete patches shall be cured according to Articles 1020.13(a)(3) or (a)(5). The curing period shall be three days for Class PP-1, PP-2, PP-3, PP-4, and PP-5 concrete, and seven days for Class BS concrete. When the air temperature is below 55º F (13º C), the Contractor shall cover the patch according to Article 1020.13(d)(1) with minimum R12 insulation.

A 72 hour minimum drying period shall be required before placing waterproofing or HMA surfacing.

530.11 Opening to Traffic. No traffic will be permitted on a patch until after the cure period and the concrete has obtained a minimum compressive strength of 4000 psi (27.6 MPa) or flexural strength of 675 psi (4.65 MPa). Construction equipment will be permitted on a patch during the cure period if the concrete has obtained the minimum required strength when the specimens are cured with the patch.

530.12 Method of Measurement. HMA surface removal and deck slab repair will be measured for payment in place and the area computed in square yards (square meters).

530.13 Basis of Payment. HMA surface removal will be paid for at the contract unit price per square yard (square meter) for HOT-MIX ASPHALT SURFACE REMOVAL (DECK).

Areas removed and replaced up to and including a depth of half the concrete deck thickness will be paid for at the contract unit price per square yard (square meter) for DECK SLAB REPAIR (PARTIAL). Areas removed and replaced to a depth greater than half the concrete deck thickness will be paid for at the contract unit price per square yard (square meter) for DECK SLAB REPAIR (FULL DEPTH, of the type specified).

Concrete protected according to Article 1020.13(d) will be paid according to Article 503.22.

Reinforcement bars repaired in-kind, as approved by the Engineer, will be paid according to Article 109.04."

80476

LONGITUDINAL TINING (BDE)

Effective: January 1, 2026

Revise the first three paragraphs of Article 420.09(e)(1) of the Standard Specifications to read:

"(1) Type A. Type A final finish shall be obtained by the use of a carpet drag composed of an artificial turf followed immediately by a mechanically operated metal comb longitudinal tining device.

The artificial turf shall be made of molded polyethylene with synthetic turf blades approximately 0.85 in. (20 mm) long and contain approximately 7,200 individual blades per 1 sq ft (0.1 sq m). The artificial turf shall be attached to a device that will permit control of the time and rate of texturing. The artificial turf carpet shall be full pavement width and of sufficient size that during the finishing operation, approximately 2 ft (600 mm) of carpet in the direction of drag (i.e., parallel to the pavement centerline) will be in contact with the pavement surface over the entire pavement width. The drag shall be operated in a longitudinal direction to produce a uniform appearing finish. If necessary for maintaining contact with the pavement surface, the carpet may be weighted.

The metal comb shall consist of a single line of tempered spring steel tines uniformly spaced at 3/4 in. (19 mm). The tines shall be flat and of a size and stiffness sufficient to produce a groove of the specified dimensions in the plastic concrete without tearing of the pavement surface. The mechanically operated metal comb shall be either an exclusive piece of equipment which is mechanically self-propelled or shall be combined with the curing equipment. The artificial turf carpet drag may be attached to this piece of equipment provided a surface texture is produced satisfactory to the Engineer. The tining device shall be operated to produce a pattern of grooves, 1/8 to 3/16 in. (3 to 5 mm) deep and 1/10 to 1/8 in. (2.5 to 3 mm) wide along the pavement in a single pass. The tining shall be operated parallel to the longitudinal joint or edge of pavement and shall not deviate more than 1 in. (25 mm) in 25 ft (8 m). Tining shall be withheld 1 to 1 1/2 in. (25 to 38 mm) from a longitudinal joint or pavement edge.

Hand tining or tining with a mechanically operated comb combined with the curing equipment specified in Article 1101.09 will be permitted where the specifications permit hand finishing or screeds, one lane construction up to 16 ft (5 m) wide, gaps, projects with a net length of 1/2 mile (800 m) or less, and where the production rate on any paving day will be less than 1,500 cu yd (1200 cu m) per day. A foot bridge shall be provided for the hand tining operation for all pavement over 12 ft (3.6 m) wide, unless it can be demonstrated that an alternate texturing operation produces satisfactory results."

80477

PAVEMENT MARKING (BDE)

Effective: April 1, 2025
Revised: November 1, 2025

Revise the fourth sentence of the fourth paragraph of Article 780.05 of the Standard Specifications to read:

"Grooves for letters and symbols shall be cut in a rectangular shape or in the shape of the proposed marking so the entire marking will fit within the limits of the grooved area."

Revise the last sentence of the third paragraph of Article 780.08 of the Standard Specifications to read:

"The Contractor shall install the preformed plastic pavement markings according to the manufacturer's recommendations."

Revise the second sentence of the first paragraph of Article 780.13 of the Standard Specifications to read:

"In addition, thermoplastic, preformed plastic, epoxy, preformed thermoplastic, polyurea, and modified urethane pavement markings will be inspected following a winter performance period that extends from November 15 to April 1 of the next year."

80464

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, ΔTc, 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 µm)	95 ± 5
No. 50 (300 µm)	> 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, ΔTc, 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, Δ|G*|peak τ, 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

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 (RSMDR)"."

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

SHORT TERM AND TEMPORARY PAVEMENT MARKINGS (BDE)

Effective: April 1, 2024

Revise Article 1095.06 of the Standard Specifications to read:

"**1095.06 Pavement Marking Tapes.** 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 marking tape shall consist of a matte black, non-reflective, patterned surface that is precoated with a pressure sensitive adhesive. The surface of the blackout pavement marking tape shall provide a minimum skid resistance value of 45 BPN when tested according to ASTM E 303.

(a) Color. The material 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		
Observation Angle	White	Yellow
0.2°	1300	1200
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 markings shall provide an average minimum skid resistance of 50 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. The pavement marking 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 the Engineer certification, from the manufacturer of the tape, that the material to be furnished 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 Federal Test Method Standard No. 141A, Method 6192, using a CS-17 wheel and 1000-gram load, and shall meet the following criteria for minimum initial thickness and for durability, showing no significant change in color after being tested for the number of cycles indicated.

Test	White	Yellow	Blackout
Initial Thickness, mils (mm)	20 (0.51)	20 (0.51)	65 (1.65) 1/ 10 (0.25) 2/
Durability (cycles)	1,500	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."

80457

STRUCTURAL REPAIR OF CONCRETE (BDE)

Effective: January 1, 2026

Add the following Section 532 to the Standard Specifications:

"**SECTION 532. STRUCTURAL REPAIR OF CONCRETE**

532.01 Description. This work shall consist of repairing concrete on a bridge substructure, culvert, retaining wall, or other structure.

532.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Portland Cement Concrete (Note 1)	1020
(b) R1, R2, or R3 Concrete	1018
(c) Packaged, Dry, Combined Materials for Concrete	1017.02, 1017.03
(d) High Performance Shotcrete	1015
(e) Reinforcement Bars	1006.10
(f) Anchor Bolts	1006.09
(g) Water	1002
(h) Curing Compound	1022.01
(i) Cotton Mats	1022.02
(j) Protective Coat	1023
(k) Epoxy (Note 2)	1025
(l) Mechanical Bar Splicers	508.06(c)
(m) Polymer Modified Portland Cement Mortar (Note 3)	

Note 1. The concrete shall be Class SI, except the cement and finely divided minerals shall be a minimum 6.65 cwt/cu yd (395 kg/cu m) with no reductions permitted, the cement shall not be below 4.70 cwt/cu yd (279 kg/cu m), the coarse aggregate shall be a CA 16, the strength shall be a minimum 4000 psi (27,500 kPa) at 28 days, and the slump shall be 5-10 in. (125-250 mm). A self-consolidating concrete mixture will also permitted. Slump flow range, visual stability index, J-Ring, L-Box, and hardened visual stability index requirements shall be according to Article 1020.04.

Note 2. ASTM C 881, Type IV, Grade 2 or 3, Class A, B, or C may also be used.

Note 3. Polymer modified portland cement mortar shall be a packaged product consisting of cementitious materials, fine aggregate, and a polymer modifier; and shall have successfully completed and remain current with the AASHTO Product Eval and Audit Rapid Hardening Concrete Patching Materials (RHCP) testing program. The mortar shall be a workable mix capable of bonding and holding its own plastic weight when mixed and placed according to manufacturer's instructions on vertical and overhead surfaces. It shall have a minimum compressive strength of 1,500 psi (10,300 kPa) at 24 hours, 4,000 psi (27,500 kPa) at 7 days, and 5,000 psi (34,500 kPa) at 28 days when tested according to

ASTM C 109 or AASHTO T 106. In addition, the mortar shall have a minimum bond strength of 1,500 psi (10,300 kPa) at 7 days when tested according to ASTM C 882. For prestressed concrete applications, the mortar shall have a water-soluble chloride ion content of less than 0.06 percent by weight of cementitious material when tested according to ASTM C 1218 or AASHTO T 260; and for non-prestressed concrete applications, the water-soluble chloride ion content shall be less than 0.15 percent by weight of cementitious material. The Department will maintain a Qualified Product List of Polymer Modified Portland Cement Mortar.

532.03 Equipment. Equipment shall be according to Article 503.03 and the following.

Item	Article/Section
(a) Hydrodemolition Equipment	1101.11
(b) High Performance Shotcrete Equipment (Note1)	

Note 1. The batching, mixing, pumping, hose, nozzle, and auxiliary equipment shall be for the wet-mix shotcrete method and meet the requirements of ACI 506R.

CONSTRUCTION REQUIREMENTS

532.04 General. The repair method shall be either formed concrete repair or shotcrete according to the following.

(a) Formed Concrete Repair. For formed concrete repair, a subsequent patch to repair the placement point after initial concrete placement will not be allowed. As an example, this may occur in a vertical location located at the top of the repair.

Formed concrete repair shall not be used for overhead applications except as noted for polymer modified portland cement mortar.

Polymer modified portland cement mortar shall only be used for repairs between 3/8 in. (10 mm) and 2 in. (50 mm) deep on horizontal, vertical, and overhead surfaces.

(b) Shotcrete. Shotcrete shall not be used for any repair greater than 6 in. (150 mm) in depth, except in horizontal applications where the shotcrete may be placed from above in one lift.

Shotcrete shall not be used for column repairs greater than 4 in. (100 mm) in depth, unless the shotcrete mixture contains 3/8 in. (9.5 mm) aggregate.

The Contractor shall provide a current copy of ACI 506R to the Engineer a minimum of one week prior to the start of construction.

The shotcrete personnel who perform the work shall have current American Concrete Institute (ACI) nozzlemen certification for vertical wet and overhead wet applications,

except one individual may be in training. This individual shall be adequately supervised by a certified ACI nozzlemen as determined by the Engineer and a copy of the nozzlemen certificate(s) provided to the Engineer.

532.05 Temporary Shoring or Cribbing. When a temporary shoring or cribbing support system is required, the Contractor shall provide details and computations, prepared and sealed by an Illinois Licensed Structural Engineer, to the Department for approval. Whenever possible, the support system shall be installed prior to starting the associated concrete removal. If no system is specified, but during the course of removal the need for temporary shoring or cribbing becomes apparent or is directed by the Engineer due to a structural concern, the Contractor shall not proceed with any further removal work until an approved support system is installed.

532.06 Concrete Removal. The Contractor shall provide ladders or other appropriate equipment for the Engineer to mark the removal areas. Repair configurations will be kept simple, and squared corners will be indicated whenever possible. The repair perimeter shall be sawed a depth of 1/2 in. (13 mm) or less, as required to avoid cutting the reinforcement. If the concrete is broken or removed beyond the limits of the initial saw cut, the new repair perimeter shall be recut. The areas to be repaired shall have all loose, unsound concrete removed completely by the use of hydrodemolition equipment or chipping hammer with a 15 lb. (7 kg) maximum class. The concrete removal shall extend along the reinforcement bar until the reinforcement is free of bond inhibiting corrosion. Reinforcement bars with 50 percent or more exposed area shall be undercut to a depth of 3/4 in. (19 mm) or the diameter of the reinforcement bar, whichever is greater.

The minimum repair depth shall be 1 in. (25 mm). The substrate profile shall be ± 1/16 in. (± 1.5 mm). The perimeter of the repair area shall have a vertical face.

If sound concrete is encountered before existing reinforcement bars are exposed, further removal of concrete shall not be performed unless the minimum repair depth is not met.

If a repair is located at the ground line, any excavation required below the ground line to complete the repair shall be included in this work.

Once concrete removal has started, the Contractor shall have 14 calendar days to complete each repair location.

The Engineer shall be notified of concrete removal that exceeds 6 in. (150 mm) in depth, one fourth the cross section of a structural member, more than half the vertical column reinforcement is exposed in a cross section, more than six consecutive reinforcement bars are exposed in any direction, within 1.5 in. (38 mm) of a bearing area, or other structural concern. Excessive deterioration or removal may require further evaluation of the structure or installation of temporary shoring and cribbing support system.

532.07 Surface Preparation. Prior to placing the concrete or shotcrete, the Contractor shall blast clean the repair area and exposed reinforcement to provide a surface that is free of oil, dirt, and loose material.

The repair area and perimeter vertical face shall have a rough surface. Just prior to concrete or shotcrete placement, the repair area shall be saturated with water to a saturated surface-dry condition. Any standing water shall be removed.

If a succeeding layer of shotcrete is to be applied, the initial shotcrete surface and remaining exposed reinforcement shall be free of curing compound, oil, dirt, loose material, rebound, and overspray. Preparation may be by lightly brushing or blast cleaning if the previous shotcrete surface was less than 36 hours prior. If more than 36 hours prior, the surface shall be prepared by blast cleaning.

532.08 Reinforcement. Exposed reinforcement bars shall be cleaned of concrete and corrosion by blast cleaning. After cleaning, exposed reinforcement will be evaluated to determine if replacement or additional reinforcement bars are required.

Reinforcing bars that have been cut or have lost 25 percent or more of their original cross-sectional area shall be supplemented by new in kind reinforcement bars. New bars shall be lapped a minimum of 32 bar diameters to existing bars. A mechanical bar splicer shall be used when it is not feasible to provide the minimum bar lap. No welding of bars will be permitted.

Intersecting reinforcement bars shall be tightly secured to each other using 0.006 in. (0.15 mm) or heavier gauge tie wire and shall be adequately supported to minimize movement during concrete placement or application of shotcrete.

Where the depth of concrete removal is greater than 8 in. (205 mm) and there is no existing reinforcement extending into the repair area, the Contractor shall anchor the new concrete to the existing concrete with 3/4 in. (19 mm) diameter hook bolts spaced at 15 in. (380 mm) maximum centers both vertically and horizontally, and a minimum of 12 in. (305 mm) away from the perimeter of the repair according to Section 584.

532.09 Repair Methods. Within 3 calendar days of the surface preparation and after the repair areas are approved by the Engineer, the concrete or shotcrete shall be placed according to the following.

(a) Formed Concrete Repair. Falsework and forms shall be according to Articles 503.05 and Article 503.06. Formwork shall provide a smooth and uniform concrete finish and shall approximately match the existing concrete structure. Air vents may be provided to reduce voids and improve surface appearance. The Contractor may use exterior mechanical vibration, as approved by the Engineer, to release air pockets. The concrete shall be Class SI concrete; packaged R1, R2, or R3 concrete; packaged, dry, combined materials for concrete; or polymer modified portland cement mortar. The concrete shall be placed and consolidated according to Article 503.07.

Curing shall be according to Article 1020.13.

The surfaces of the completed repair shall be finished according to Article 503.15.

(b) Shotcrete. In the field, shotcrete shall be tested for air content according to Illinois Modified AASHTO T 152 or AASHTO T 152. The sample shall be obtained from the discharge end of the nozzle by shooting a pile large enough to scoop a representative amount for filling the air meter measuring bowl. Shotcrete shall not be shot directly into the measuring bowl for testing.

Compressive strength shall be according to ASTM C 1140, except the test panel shall be cured according to Article 1020.13(a)(3) or (5) while stored at the jobsite and during delivery to the laboratory. At the discretion of the Engineer, the test panel may be reduced to 18x18x3.5 in. (457x457x89 mm).

The method of alignment control (i.e., ground wires, guide strips, depth gages, depth probes, and formwork) to ensure the specified shotcrete thickness and reinforcing bar cover is obtained shall be according to ACI 506R. Ground wires shall be removed after completion of cutting operations. Guide strips and formwork shall be of dimensions and a configuration that do not prevent proper application of shotcrete. Metal depth gauges shall be cut 1/4 in. (6 mm) below the finished surface. All repaired members shall be restored as close as practicable to their original dimensions.

Air temperature limits according to the first paragraph of Article 1020.14(b) shall apply in cold weather. Shotcrete shall not be applied when the air temperature is greater than 90 °F (32 °C). The applied shotcrete shall have a minimum temperature of 50 °F (10 °C) and a maximum temperature of 90 °F (32 °C). The shotcrete shall not be applied during periods of rain unless protective covers or enclosures are installed. If necessary, lighting shall be provided to provide a clear view of the shooting area.

The shotcrete shall be applied according to ACI 506R and shall be done in a manner that does not result in cold joints, laminations, sandy areas, voids, sags, or separations. In addition, the shotcrete shall be applied in a manner that results in maximum densification of the shotcrete. Shotcrete which is identified as being unacceptable while still plastic shall be removed and re-applied.

The nozzle shall normally be at a distance of 2-5 ft. (0.6-1 m) from the receiving surface and shall be oriented at right angles to the receiving surface. Exceptions to this requirement will be permitted to fill corners, encase large diameter reinforcing bars, or as approved by the Engineer. For any exception, the nozzle shall never be oriented more than 4 degrees from the surface. Care shall be taken to keep the front face of the reinforcement bar clean during shooting operations. Shotcrete shall be built up from behind the reinforcement bar. Accumulations of rebound and overspray shall be continuously removed prior to application of new shotcrete. Rebound material shall not be incorporated in the work.

Whenever possible, shotcrete shall be applied to the full thickness in a single layer. When two or more layers are required, the minimum number shall be used and shall be done in a manner without sagging or separation. A flash coat (i.e. a thin layer of up to 1/4 in. (6 mm) applied shotcrete) may be used as the final lift for overhead applications.

Prior to application of a succeeding layer of shotcrete, the initial layer of shotcrete shall be prepared according to the surface preparation and reinforcement bar cleaning requirements. Upon completion of the surface preparation and reinforcement bar treatment, water shall be applied according to the surface preparation requirements unless the surface is moist. The second layer of shotcrete shall then be applied within 30 minutes.

Shotcrete shall be cut back to line and grade using trowels, cutting rods, screeds or other suitable devices. The shotcrete shall be allowed to stiffen sufficiently before cutting. For depressions, cut material may be used for small areas. Rebound material shall not be incorporated in the work. For the final finish, a wood float or a manufacturer approved finishing aid shall be used to approximately match the existing concrete texture.

Contractor operations for curing shall be continuous with shotcrete placement and finishing operations. Curing shall be accomplished using wetted cotton mats, membrane curing, or a combination of both. Cotton mats shall be applied according to Article 1020.13(a)(5), except the exposed layer of shotcrete shall be covered within 10 minutes after finishing and wet curing shall begin immediately. Curing compound shall be applied according to Article 1020.13(a)(4), except the curing compound shall be applied as soon as the shotcrete has hardened sufficiently to prevent marring the surface, and each of the two separate applications shall be applied in opposite directions to ensure coverage. Note 5 of the Index Table in Article 1020.13 shall also apply.

When a shotcrete layer is to be covered by a succeeding shotcrete layer within 36 hours, the repair area shall be protected by wet curing with either burlap or cotton mats until the succeeding layer is applied. Intermittent hand fogging may be used for the first hour and a half if wet curing with mats begins within 10 minutes after fogging has ceased.

The curing period shall be for 7 days, except when there is a succeeding layer of shotcrete. In this instance, the initial shotcrete layer shall be cured until the surface preparation and reinforcement bar treatment is started.

The concrete or shotcrete shall not be placed when frost is present on the surface of the repair area, or the surface temperature of the repair area is less than 40 °F (4 °C). All repaired members shall be restored as close as practicable to their original dimensions.

If temperatures below 45 °F (7 °C) are forecast during the curing period, Protection Method I according to Article 1020.13(d)(1) or Protection Method II according to Article 1020.13(d)(2) shall be used.

532.10 Protective Coat. Protective coat shall be applied to the completed repair at reinforcement bar locations with less than 3/4 in. (19 mm) of cover according to Article 503.19, except blast cleaning shall be performed to remove curing compound.

532.11 Inspection. After curing but no sooner than 28 days after placement of concrete or shotcrete, the Contractor shall provide ladders or other necessary equipment for the Engineer to inspect the repaired areas.

A repaired area with cracks, voids, or delamination shall be considered as nonconforming. Any of the following shall be cause for removal and replacement of a repaired area.

(a) A single surface crack greater than 0.01 in. (0.25 mm) in width and greater than 12 in. (300 mm) in length.

(b) Two or more surface cracks greater than 0.01 in. (0.25 mm) in width that total greater than 24 in. (600 mm) in length.

(c) Map cracking in one or more regions totaling 15 percent or more of the gross surface area of the repair.

(d) Two or more surface voids with least dimension of 3/4 in. (19 mm) each.

(e) A repaired area not within 1/4 in. (6 mm) of the original dimensions.

Cracks greater than 0.007 in. (0.2 mm) in width shall be repaired with epoxy according to Section 590. For cracks less than or equal to 0.007 in. (0.2 mm) in width, the epoxy shall be applied to the surface of the crack as determined by the Engineer. Voids shall be repaired according to Article 503.15.

532.12 Method of Measurement. This work will be measured for payment in place and the area computed in square feet (square meters). For a repair at a corner, both sides will be measured.

532.13 Basis of Payment. This work will be paid for at the contract unit price per square foot (square meter) for STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES or STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES.

Concrete protected according to Article 1020.13(d) will be paid according to Article 503.22.

When not specified to be paid for elsewhere, the work to design, install, and remove the temporary shoring and cribbing will be paid according to Article 109.04.

With the exception of reinforcement damaged by the Contractor, supplemental reinforcement bars, mechanical bar splicers, hook bolts, and protective coat will be paid according to Article 109.04."

80480

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 sublot.

(7) Sublot. A continuous strip of pavement 0.1 mile (160 m) long and one lane wide. A partial sublot greater than or equal to 264 ft (80 m) will be subject to the same evaluation as a whole sublot. Partial sublots less than 264 ft (80 m) shall be included with the previous sublot 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 sublot 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 sublot(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 sublot of high-speed mainline pavement per the Smoothness Assessment Schedule. Assessments will be based on the MRI of each sublot 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 (≤ 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 – MRI) × $45.00 [2/]
> 45.0 (710) to 75.0 (1,190)	+ $0.00
> 75.0 (1,190) to 100.0 (1,580)	– (MRI – 75) × $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

SURVEYING SERVICES (BDE)

Effective: April 1, 2025

Delete the fourth paragraph of Article 667.04 of the Standard Specifications.

Delete Section 668 of the Standard Specifications.

80465

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
Revised: January 1, 2026

Add the following to Article 701.03 of the Standard Specifications:

"(q) Temporary Sign Supports ..... 1106.02"

Revise Article 701.03(p) of the Standard Specifications to read:

"(p) Detectable Pedestrian Channelizing Barricades ..... 1106.02(m)"

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 shall be MASH compliant.

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 shall be MASH compliant.

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 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350, 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 sign supports, speed feedback displays, 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 compliant is available, an NCHRP 350 compliant device may be used, even if manufactured after December 31, 2019."

Revise the first paragraph of Section 1106.02(a) of the Standard Specifications to read:

"(a) Lights. Lights shall meet the requirements of Chapter 13 of the "Equipment and Materials Standards of the Institute of Transportation Engineers," 1998, Institute of Transportation Engineers, and shall be visible on a clear night from a distance of 3000 ft (900 m). Lights are classified as follows."

Revise Articles 1106.02(g), 1106.02(k), 1106.02(l), and 1106.02(m) of the Standard Specifications 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.

(m) Detectable Pedestrian Channelizing Barricades. The top panel or handrail shall be continuous and there should be at least a 2 in. (50 mm) gap between the hand trailing edge and its support. When visible to vehicular traffic, the top rail shall have alternating white and orange retroreflective stripes sloping at 45 degrees. The bottom panel shall be continuous and have alternating white and orange retroreflective stripes sloping at 45 degrees. Barricade stripes shall be 6 in. (150 mm) in width. The predominant color for other barricade components shall be white, orange, or silver."

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 04/01/25
	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\	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 (D-1).docx	HMA Binder and Surface Course (D1)	E 11/01/19 R 01/01/26
	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
	DES\	603. Adjustments-Reconstructs.docx	Adjustments and Reconstructions (D1)	E 03/15/11 R 10/01/21
	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

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	DES\	637. Aggregate For Concrete Barrier (D-1).docx	Aggregate for Concrete Barrier (D1)	E 03/11/04 R 01/24/08
	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
X	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
X	DES\	1021. Mineralized Carbon Dioxide Concrete (D-1).docx	Mineralized Carbon Dioxide Concrete (D1)	E 01/01/26
X	DES\	1030. HMA - Mixture Design Verification & Production (D-1).docx	HMA - Mixture Verification & Production (Modified for I-FIT) (D1)	E 01/01/19 R 01/01/26
		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\	Communications Vault - 2025.doc	Communications Vault	E 01/01/25
	ELE\	Elec Serv Disc lgt sig 2012.docx	Electric Service Disconnect, Lighting And Traffic Signal	E: 01/01/12
	ELE\	Fiber Optic Cable SM 2024.doc	Fiber Optic Cable, Single Mode	E 09/01/24
	ELE\	Fiber Optic Cable SM Micro 2024.doc	Fiber Optic Cable, Micro, Single Mode	E 09/01/24
	ELE\	Fiber Optic Cable Splice 2014 v1.docx	Fiber Optic Cable Splice	E 06/01/14
	ELE\	General Electrical Provisions 2025 v4.docx	General Electrical Requirements	E 07/01/25
	ELE\	HighMast Luminaire LED 2024.docx	Luminaire, LED, Highmast	E 04/01/24
	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 2024.docx	Maintenance of Lighting Systems	E 12/01/24
	ELE\	Luminaire safety cable 2012.docx	Luminaire Safety Cable Assembly	E 01/01/12
	ELE\	Luminaire shield 2024.docx	Luminaire Shield	E 05/01/24
	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 2025.docx	Roadway Luminaire, LED	E 04/01/25
	ELE\	Roadway_Luminaire_LED_Replacement2025.docx	Roadway Luminaire, LED, Replacement	E 04/01/24
	ELE\	Service Connection 2025.docx	Electric Utility Service Connection (ComEd)	E 07/01/25
	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\	Temporary Roadway Luminaire LED 2024.docx	Temporary Luminaire, LED, Roadway	E 11/01/24
	ELE\	Tracer Wire 2024.docx	Tracer Wire	E 07/01/24

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	ELE\	UNDERGROUND CONDUIT_MULTI-DUCT_18MM MICRODUCTS_2025_v2.doc	Underground Conduit, Multi-Duct, 18MM Microducts	E 07/01/25
	ELE\	Underpass_Luminaire_LED_2024.docx	Underpass Luminaire, LED	E 04/01/24
	ELE\	Underpass_Luminaire_LED_Replacement2024.docx	Underpass Luminaire, LED, Replacement	E 04/01/24
	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\	gbsp4.doc	Polymer Modified Portland Cement Mortar	E 7/07/94 R 04/07/16
	GBS\	gbsp13.doc	High Load Multi-Rotational Bearings	E 10/13/88 R 09/02/22
	GBS\	gbsp14.doc	Jack and Remove Existing Bearings	E 4/20/94 R 4/13/18
	GBS\	gbsp16.doc	Jacking Existing Superstructure	E 1/11/93 R 4/13/18
	GBS\	gbsp18.docx	Modular Expansion Joint	E 5/19/94 R 10/27/23
	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 04/15/22
	GBS\	GBSP26.doc	Containment and Disposal of Lead Paint Cleaning Residues	E 10/02/01 R 04/22/16
	GBS\	gbsp28.docx	Deck Slab Repair	E 5/15/95 R 02/02/24
	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.docx	Pedestrian Truss Superstructure	E 1/13/98 R 10/27/23
	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.docx	Slipform Parapet	E 06/01/07 R 04/15/22
	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 3/219/17
	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 3/24/23
	GBS\	GBSP85.docx	Micropiles	E 04/19/96 R 10/23/20
	GBS\	GBSP86.docx	Drilled Shafts	E 10/05/15 R 10/27/23
	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

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	GBS\	GBSP89.docx	Preformed Pavement Joint Seal	E 10/4/16 R 3/24/23
	GBS\	GBSP90.docx	Three Sided Precast Concrete Structure	E 12/21/16 R 3/24/23
	GBS\	GBSP91.docx	Crosshole Sonic Logging Testing of Drilled Shafts	E 04/20/16 R 3/24/23
	GBS\	GBSP92.docx	Thermal Integrity testing of Drilled Shafts	E 04/20/16 R 3/24/23
	GBS\	GBSP93.docx	Preformed Bridge Joint Seal	E 12/21/16 R 3/24/23
	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.docx	Bar Splicers, Headed Reinforcement	E 9/2/22 R 10/27/23
	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.docx	GBSP Check Sheet	
Bridge and Roadway Maintenance Special Provisions				
	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\	Brgpad.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

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	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
	MNT1\	StructRepConcr(SP).doc	Structural Repair Of Concrete (Special)	E 04/02/07
	MNT1\	Tmpsh1.doc	Temporary Shoring & Cribbing [when req'd for damaged beam replacement; requires SE]	E 06/16/92 R 03/11/03
	MNT1\	Tmpsh1a.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\	Tmpsh2.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 (ACRE).docx	Selective Clearing (ACRES)	E 10/29/24
	MNT2\	SELECTIVE CLEARING (UNITS).docx	Selective Clearing (UNITS)	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

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		Bureau of Traffic Special Provisions		
	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
X	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
	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
X	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\	805.03TS-REMOVE AND RELOCATE EXISTING GROUND MOUNTED ELECTRICAL SERVICE.docx	Remove and Relocate Existing Ground Mounted Electrical Service	E 03/01/25
	TRF\	810.01TS-COILABLE NON-METALLIC CONDUIT.docx	Coilable Non-Metallic Conduit	E 05/22/02 R 07/01/15

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	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\	810.04TS-UNDERGROUND CONDUIT MULTI-DUCT 3 WAY - 22MM (2) 1.25 SDR 11 (1) MICRODUCTS.docx	Underground Conduit, Multi-Duct, 3 Way - 22MM (2), 1.25" SDR 11 (1) Microducts	E 09/01/24
	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 03/01/25
	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 01/01/26
	TRF\	857.03TS-RAILROAD FULL-ACTUATED CONTROLLER AND CABINET.docx	Railroad, Full-Actuated Controller And Cabinet	E 01/01/02 R 01/01/26
	TRF\	857.04TS-UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL.docx	Upgrade Existing Controller to NTCIP Special	E 11/01/23
	TRF\	857.05TS-ADVANCED TRANSPORTATION CONTROLLER AND CABINET.docx	Advanced Transportation Controller and Cabinet	E 03/01/24 R 01/01/26
	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
	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 03/01/25
	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 03/01/25

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	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 03/01/25
	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
	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 03/01/25
	TRF\	890.01TS-TEMPORARY TRAFFIC SIGNAL INSTALLATION.docx	Temporary Traffic Signal Installation	E 05/22/02 R 03/01/25
	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 R 09/01/24
	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

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	TRF\	892.09TS-RELOCATE NETWORK SWITCH.docx	Relocate Network Switch	E 03/01/25
	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 03/01/25
	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
	TRF\	895.07TS-RELOCATE EXISTING PTZ CAMERA.docx	Relocate Existing PTZ Camera	E 03/01/25
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 AGENGY 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\	3426I.docx	RAILROAD PROTECTIVE LIABILITY INSURANCE	E 12/01/86 R 01/01/22
	ZD&E\	5026I.docx	BUILDING REMOVAL WITH ASBESTOS ABATEMENT	E 09/01/90 R 08/01/22
	ZD&E\	5053I.docx	BUILDING REMOVAL	E 09/01/90 R 08/01/22
	ZD&E\	80029.docx	DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION	E 09/01/00 R 01/02/25
	ZD&E\	80071.doc	WORKING DAYS	E 01/01/02
	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 11/01/25
	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.docx	CONSTRUCTION AIR QUALITY-DIESEL RETROFIT	E 06/01/10 R 01/01/25
	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 01/02/25
	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

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	ZD&E\	80397.docx	SUBCONTRACTOR AND DBE PAYMENT REPORTING	E 04/02/18
	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 R01/01/26
	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\	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\	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 R 01/01/26
	ZD&E\	80450.docx	MECHANICALLY STABILIZED EARTH RETAINING WALLS	E 08/01/23 R 08/01/25
	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 R01/01/26
	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
	ZD&E\	80460.docx	CEMENT, FINELY DIVIDED MINERALS, ADMIXTURES, CONCRETE, AND MORTAR	E 01/01/25 R01/01/26
	ZD&E\	80461.docx	CONCRETE BARRIER	E 01/01/25
	ZD&E\	80462.docx	SIGN PANELS AND APPURTENANCES	E 01/01/25 R 04/01/26
	ZD&E\	80463.docx	SUBMISSION OF BIDDERS LIST INFORMATION	E 01/02/25 R 03/02/25
	ZD&E\	80464.docx	PAVEMENT MARKING INSPECTION	E 04/01/25 R 11/01/25
	ZD&E\	80465.docx	SURVEYING SERVICES	E 04/01/25
	ZD&E\	80466.docx	TEMPORARY RUMBLE STRIPS	E 04/01/25
	ZD&E\	80467.docx	EROSION CONTROL BLANKET	E 08/01/25
	ZD&E\	80468.docx	PAVEMENT PATCHING	E 08/01/25
	ZD&E\	80469.docx	SLOPE WALL	E 08/01/25
	ZD&E\	80470.docx	TRAFFIC SIGNAL BACKPLATE	E 08/01/25
	ZD&E\	80471.docx	GUARDRAIL	E 11/01/25

SPECIAL PROVISIONS CHECK LIST
Generated – 9/29/25 Revised 10/10/25

Designer: _____ **FAP:** _____
Contract No.: _____ **Section:** _____
County: _____

	ZD&E\	80472.docx	HIGH FRICTION SURFACE TREATMENT	E 11/01/25
	ZD&E\	80473.docx	RAISED REFLECTIVE PAVEMENT MARKERS	E 11/01/25
	ZD&E\	80474.docx	RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL	E 11/01/25
	ZD&E\	80475.docx	BRIDGE DECK CONCRETE OVERLAYS	E 01/01/26
	ZD&E\	80476.docx	DECK SLAB REPAIR	E 01/01/26
	ZD&E\	80477.docx	LONGITUDINAL TINING	E 01/01/26
	ZD&E\	80478.docx	MODIFIED LONGITUDINAL CONSTRUCTION JOINT	E 01/01/26
	ZD&E\	80479.docx	SINUSOIDAL RUMBLE STRIPS	E 01/01/26
	ZD&E\	80480.docx	STRUCTURAL REPAIR OF CONCRETE	E 01/01/26
	ZD&E\	80481.docx	TEMPORARY CONCRETE BARRIER	E 01/01/26

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: January 1, 2026

Add the following to the end of Article 406.06(c) of the Standard Specifications:

"The amount of HMA binder course placed shall be limited to that which can be surfaced during the same construction season."

Revise the fifteenth through eighteenth paragraphs of Article 406.14 of the Standard Specifications to read:

"The mixture used in constructing acceptable HMA test strips will be paid for at the contract unit price. Unacceptable HMA test strips shall be removed and replaced at no additional cost to the Department."

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 Standard 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, SMA 9.5 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.

	Voids in the Mineral Aggregate (VMA), % Minimum for Ndesign				
Mix Design	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 steal slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours."

Revise the first and second paragraphs of Articles 1030.06(c)(2) of the Standard Specifications to read:

"(2) Personnel. The Contractor shall provide a QC Manager who shall have overall responsibility and authority for quality control. This individual shall maintain active certification as a Hot-Mix Asphalt Level II technician.

In addition to the QC Manager, the Contractor shall provide sufficient personnel to perform the required visual inspections, sampling, testing, and documentation in a timely manner. Mix designs shall be developed by personnel with an active certification as a Hot-Mix Asphalt Level III technician. Technicians performing mix design testing and plant sampling/testing shall maintain active certification as a Hot-Mix Asphalt Level I technician. The Contractor may provide a technician trainee who has successfully completed the Department's "Hot-Mix Asphalt Trainee Course" to assist in the activities completed by a Hot-Mix Asphalt Level I technician for a period of one year after the course completion date. The Contractor may also provide a Gradation Technician who has successfully completed the Department's "Gradation Technician Course" to run gradation tests only under the supervision of a Hot-Mix Asphalt Level II Technician. The Contractor shall provide a Hot-Mix Asphalt Density Tester who has successfully completed the Department's "Nuclear Density Testing" course to run all nuclear density tests on the job site."

Add Article 1030.06(d)(3) to the Standard Specifications to read:

"(3) The Contractor shall take possession of any Department unused backup or dispute resolution HMA mixture samples or density specimens upon notification by the Engineer. The Contractor shall collect the HMA mixture samples or density specimens from the location designated by the Engineer and may add these materials to RAP stockpiles according to Section 1031."

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 (Gmm) will be based on the running average of four available Department test results for that project. If less than four Gmm test results are available, an average of all available Department test results for that project will be used. The initial Gmm 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 Gmm."

Revise the Quality Control Limits table in Article 1030.09(c) to read:

CONTROL LIMITS						
Parameter	IL-19.0, IL-9.5, IL-9.5FG, IL-19.0L, IL-9.5L		SMA-12.5, SMA-9.5		IL-4.75	
	Individual Test	Moving Avg. of 4	Individual Test	Moving Avg. of 4	Individual Test	Moving Avg. of 4
% Passing: 1/						
1/2 in. (12.5 mm)	± 6 %	± 4 %	± 6 %	± 4 %		
3/8 in. (9.5mm)			± 4 %	± 3 %		
# 4 (4.75 mm)	± 5 %	± 4 %	± 5 %	± 4 %		
# 8 (2.36 mm)	± 5 %	± 3 %	± 4 %	± 2 %		
# 16 (1.18 mm)			± 4 %	± 2 %	± 4 %	± 3 %
# 30 (600 µm)	± 4 %	± 2.5 %	± 4 %	± 2.5 %		
Total Dust Content # 200 (75 µm)	± 1.5 %	± 1.0 %			± 1.5 %	± 1.0 %
Asphalt Binder Content	± 0.3 %	± 0.2 %	± 0.2 %	± 0.1 %	± 0.3 %	± 0.2 %
Air Voids 2/	± 1.2 %	± 1.0 %	± 1.2 %	± 1.0 %	± 1.2 %	± 1.0 %
Field VMA 3/	-0.7 %	-0.5 %	-0.7 %	-0.5 %	-0.7 %	-0.5 %

1/ Based on washed ignition oven or solvent extraction gradation.

2/ The air voids target shall be 3.2 to 4.8 percent.

3/ Allowable limit below minimum design VMA requirement.

Revise Article 1030.09(g)(2) of the Standard Specifications to read:

"(2)The Contractor shall complete split verification sample tests listed in the Limits of Precision table in Article 1030.09(h)(1)."

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 (Gmm) will be the Department mix design verification test result."

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 fourth 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. To be considered acceptable to remain in place, the Department’s mixture test results shall meet the acceptable limits stated in Article 1030.09(i)(1). In addition, no visible pavement distress such as, but not limited to, segregation, excessive coarse aggregate fracturing outside of growth curves, excessive dust balls, or flushing shall be present as determined by the Engineer.”

TRAFFIC CONTROL PLAN (D1)
Effective: September 30, 1985
Revised: January 1, 2007

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the District One Bureau of Traffic at least 72 hours in advance of beginning work.

STANDARDS:

701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH TO 55 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES

DETAILS:

TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGNING
TC-26	DRIVEWAY ENTRANCE

SPECIAL PROVISIONS:
Work Zone Traffic Control Surveillance (BLRS)
Flaggers in Workzone (BLRS)
Automated Flagger Assistance Devices (BDE)
Short Term and Temporary Pavement Markings (BDE)
Vehicle Equipment Warning Lights (BDE)
Work Zone Traffic Control Devices (BDE)
Maintenance of Roadways (D1)
Public Convenience and Safety (D1)

Traffic Control Plan (D1)
Temporary Information Signing (D1)
Speed Display Trailer (D1)
Traffic Control and Protection (Special)

FRICTION 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	Allowed Alone or in Combination [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	Allowed Alone or in Combination [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	Allowed Alone or in Combination [5/ 6/]: Crushed Gravel Carbonate Crushed Stone[2/] Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete[3/]

<table>
<tr><th>Use</th><th>Mixture</th><th>Aggregates Allowed</th></tr>
<tr><td>HMA
High ESAL
Low ESAL</td><td>C Surface and Binder
IL-9.5
IL-9.5FG
or IL-9.5L</td><td><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/]</td></tr>
<tr><td rowspan="5">HMA
High ESAL</td><td rowspan="5">D Surface and Binder
IL-9.5
or IL-9.5FG</td><td><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/]</td></tr>
<tr><td><u>Other Combinations Allowed:</u>

Up to... | With...</td></tr>
<tr><td>25% Limestone | Dolomite</td></tr>
<tr><td>50% Limestone | Any Mixture D aggregate other than Dolomite</td></tr>
<tr><td>75% Limestone | Crushed Slag (ACBF) or Crushed Sandstone</td></tr>
<tr><td rowspan="2">HMA
High ESAL</td><td rowspan="2">E Surface
IL-9.5

SMA
Ndesign 80
Surface</td><td><u>Allowed Alone or in Combination</u> [5/ 6/]:

Crushed Gravel
Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)
Crushed Steel Slag

No Limestone.</td></tr>
<tr><td><u>Other Combinations Allowed:</u>

Up to... | With...</td></tr>
</table>

<table>
<tr><td>Use</td><td>Mixture</td><td colspan="2">Aggregates Allowed</td></tr>
<tr><td rowspan="3"></td><td rowspan="3"></td><td>50% Dolomite[2/]</td><td>Any Mixture E aggregate</td></tr>
<tr><td>75% Dolomite[2/]</td><td>Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone</td></tr>
<tr><td>75% Crushed Gravel[2/]</td><td>Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag</td></tr>
<tr><td rowspan="4">HMA
High ESAL</td><td rowspan="4">F Surface
IL-9.5

SMA
Ndesign 80
Surface</td><td colspan="2"><u>Allowed Alone or in Combination</u> [5/ 6/]:

Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)
Crushed Steel Slag
No Limestone.</td></tr>
<tr><td colspan="2"><u>Other Combinations Allowed</u>:</td></tr>
<tr><td>Up to...</td><td>With...</td></tr>
<tr><td>50% Crushed Gravel[2/] or Dolomite[2/]</td><td>Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone</td></tr>
</table>

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."

MINERALIZED CARBON DIOXIDE CONCRETE (D-1)

Effective: January 1, 2026

Description. This work shall consist of the proportioning, mixing, placement, curing, and evaluation testing of portland cement concrete that utilizes an admixture which promotes carbon dioxide (CO_2) mineralization or an equivalent effect at the Contractor's option.

Materials. Materials shall be according to the following.

Item	Article/Section
(a) Portland Cement Concrete (Note 1)	1020
(b) Concrete Admixtures (Note 2)	1021

Note 1: Concrete shall meet the requirements of Class SI concrete used for the construction of curb and gutter, driveways, sidewalks and other applications as allowed by the Engineer. However, the mix design cement content shall be reduced by 3 to 6 % and an admixture which promotes CO_2 mineralization, or an equivalent effect shall utilized.

Note 2: The admixture which promotes CO_2 mineralization, or an equivalent effect shall be food grade quality from a nearby supplier. In addition, it shall, at a minimum, be according to AASHTO M 194 , Type S (specific performance). The Department also reserves the right to require other testing, as determined by the Engineer, to show evidence of specific performance characteristics. Testing according to AASHTO M 194 and other testing if required by the Engineer shall be by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete. Test data required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01 and other testing data, if required by the Engineer, shall be submitted to the Department. The independent accredited lab report shall show the results of physical tests conducted no more than five years prior to the time of submittal.

Mix Design Verification and Evaluation. The mineralized CO_2 concrete mix design will be verified by the Engineer. Verification of a mix design shall in no manner be construed as acceptance of any mixture produced.

Equipment. Equipment shall be according to applicable portions of Sections 420, 424, 483, and 606; except special equipment needed for production of mineralized CO_2 concrete shall be approved by the Engineer.

Construction Requirements. Construction requirements shall be according to applicable portions of Sections 420, 424, 483, and 606.

The placement locations for the mineralized CO_2 concrete shall be according to the plans or as directed by the Engineer.

The same mixture proportions shall be used for the entire project, unless otherwise stated in the project documents. If during the project there is a change in the type or source of the cement, finely divided minerals, aggregates, or CO_2 mineralization admixture; the mixing shall be suspended, and a new mix design shall be developed, and re-verified.

The cost of this work shall be included in the contract unit price of the PCC pay item involved.

HOT-MIX ASPHALT – MIXTURE DESIGN VERIFICATION AND PRODUCTION (D1)

Effective: January 1, 2019
Revised: January 1, 2026

Add to 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, number and size of prepared samples submitted, shall be according to the following tables.

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

Low ESAL – Required Samples for Verification Testing	
Mixture	I-FIT Testing 1/ 2/
Binder	1 - 160 mm tall brick
Surface	2 - 160 mm tall bricks

1/ The compacted gyratory bricks for Hamburg wheel and I-FIT 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.

In the Supplemental Specifications, replace the addition of the paragraph between the third and fourth paragraphs of Article 1030.10 with the following:

"When a test strip is not required, each HMA mixture shall still be sampled on the first day of production: I-FIT and Hamburg wheel testing for High ESAL; I-FIT testing for Low 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 Low ESAL mixture test results shall meet the requirements of Article 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."

Replace the eleventh paragraph of Article 1030.10 of the Standard Specifications with the following:

"If an initial Hamburg wheel or I-FIT test fails to meet the requirements of Article 1030.05(d), the Department will verify the results by testing the retained gyratory cylinders. Upon notification by the Engineer of a Hamburg wheel or I-FIT test failure on the retained gyratory cylinders, the Contractor shall substitute an approved mix design, submit a new mix design for mix verification testing according to Article 1030.05(d), or pave 250 tons with or without an adjustment and resample for Department Hamburg wheel and I-FIT testing as directed by the Engineer. Paving may continue as long as all other mixture criteria is being met. If Hamburg wheel or I-FIT tests on the resampled HMA fail, production of the affected mixture shall cease and the Contractor shall substitute an approved mix design or submit a new mix design for mix verification testing according to Article 1030.05(d)."

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

"Mixture sampled during first day of production shall include approximately 60 lb (27 kg) of additional material for the Department to conduct Hamburg wheel testing and approximately 80 lb (36 kg) of additional material for the Department to conduct I-FIT 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 and I-FIT testing shall be according to the "High ESAL - Required Samples for Verification Testing" table in Article 1030.05(d)(3) above."

TEMPORARY INFORMATION SIGNING
Effective: November 13, 1996
Revised: January 29, 2020

Description.
This work shall consist of furnishing, installing, maintaining, relocating for various states of construction and eventually removing temporary informational signs. Included in this item may be ground mount signs, skid mount signs, truss mount signs, bridge mount signs, and overlay sign panels which cover portions of existing signs.

Materials.
Materials shall be according to the following Articles of Section 1000 - Materials:

	Item	Article/Section
a.)	Sign Base (Note 1)	1090
b.)	Sign Face (Note 2)	1091
c.)	Sign Legends	1091
d.)	Sign Supports	1093
e.)	Overlay Panels (Note 3)	1090.02

Note 1. The Contractor may use 5/8 inch (16 mm) instead of 3/4 inch (19 mm) thick plywood.
Note 2. The sign face material shall be in accordance with the Department's Fabrication of Highway Signs Policy.
Note 3. The overlay panels shall be 0.08 inch (2 mm) thick.

GENERAL CONSTRUCTION REQUIREMENTS

Installation.
The sign sizes and legend sizes shall be verified by the Contractor prior to fabrication.

Signs which are placed along the roadway and/or within the construction zone shall be installed according to the requirements of Article 701.14 and Article 720.04. The signs shall be 7 ft (2.1 m) above the near edge of the pavement and shall be a minimum of 2 ft (600 mm) beyond the edge of the paved shoulder. A minimum of two (2) posts shall be used.

The attachment of temporary signs to existing bridges, sign structures or sign panels shall be approved by the Engineer. Any damage to the existing signs and/or structures due to the Contractor's operations shall be repaired or signs replaced, as determined by the Engineer, at the Contractor's expense.

Method of Measurement.
This work shall be measured for payment in square feet (square meters) edge to edge (horizontally and vertically).

All hardware, posts or skids, supports, bases for ground mounted signs, connections, which are required for mounting these signs will be included as part of this pay item.

Basis Of Payment.
This work shall be paid for at the contract unit price per square foot (square meter) for TEMPORARY INFORMATION SIGNING.

SPEED DISPLAY TRAILER (D1)

Effective: April 1, 2015
Revised: April 1, 2021

Revise the third paragraph of Article 701.11 of the Standard Specifications to read:

"When not being utilized to inform and direct traffic, sign trailers, speed display trailers, arrow boards, and portable changeable message boards shall be treated as nonoperating equipment."

Add the following to Article 701.15 of the Standard Specifications:

"(m) Speed Display Trailer. A speed display trailer is used to enhance safety of the traveling public and workers in work zones by alerting drivers of their speed, thus deterring them from driving above the posted work zone speed limit."

Whenever the speed display trailer is not in use, it shall be considered non-operating equipment and shall be stored according to Article 701.11."

Add the following to Article 701.20 of the Standard Specifications:

"(k) "Speed Display Trailer will NOT be paid for by separate pay item, but its costs shall be included in the contract unit price of the various traffic control pay items.

Add the following to Article 1106.02 of the Standard Specifications:

"(o) Speed Display Trailer. The speed display trailer shall consist of a LED speed indicator display with self-contained, one-direction radar mounted on an orange see-through trailer. The height of the display and radar shall be such that it will function and be visible when located behind concrete barrier.

The speed measurement shall be by radar and provide a minimum detection distance of 1000 ft (300 m). The radar shall have an accuracy of ±1 mile per hour.

The speed indicator display shall face approaching traffic and shall have a sign legend of "YOUR SPEED" immediately above or below the speed display. The sign letters shall be between 5 and 8 in. (125mm and 200 mm) in height. The digital speed display shall show two digits (00 to 99) in mph. The color of the changeable message legend shall be a yellow legend on a black background. The minimum height of the numerals shall be 18 in. (450 mm), and the nominal legibility distance shall be at least 750 ft (250 m).

The speed indicator display shall be equipped with a violation alert that flashes the displayed detected speed when the posted limit is exceeded. The speed indicator shall have a maximum speed cutoff. On roadway facilities with a normal posted speed limit greater than or equal to 45 mph, the detected speeds of vehicles traveling more than 25mph over the work zone speed limit shall not be displayed. On facilities with normal posted speed limit of less than 45 mph, the detected speeds of vehicles traveling more than 15 mph over the work zone speed limit shall not be displayed. On any roadway facility if detected speeds are less than 25 mph, speed shall not be displayed. The display shall include automatic dimming for nighttime operation.

The speed indicator measurement and display functions shall be equipped with the power supply capable of providing 24 hours of uninterrupted service.”

GUIDE BRIDGE SPECIAL PROVISION INDEX/CHECK SHEET

Effective as of the: January 16, 2026 Letting

√	File Name	Title	Effective	Revised
	GBSP4	Polymer Modified Portland Cement Mortar	June 7, 1994	Oct 17, 2025
	GBSP13	High-Load Multi-Rotational Bearings	Oct 13, 1988	June 28, 2024
	GBSP14	Jack and Remove Existing Bearings	Apr 20, 1994	April 13, 2018
	GBSP16	Jacking Existing Superstructure	Jan 11, 1993	April 13, 2018
	GBSP18	Modular Expansion Joint	May 19, 1994	Oct 27, 2023
	GBSP21	Cleaning and Painting Contact Surface Areas of Existing Steel Structures	Jun 30, 2003	Oct 23, 2020
	GBSP25	Cleaning and Painting Existing Steel Structures	Oct 2, 2001	Oct 17, 2025
	GBSP26	Containment and Disposal of Lead Paint Cleaning Residues	Oct 2, 2001	Apr 22, 2016
	GBSP33	Pedestrian Truss Superstructure	Jan 13, 1998	Oct 27, 2023
	GBSP34	Concrete Wearing Surface	Jun 23, 1994	Oct 17, 2025
	GBSP45	Bridge Deck Thin Polymer Overlay	May 7, 1997	June 28, 2024
	GBSP55	Erection of Curved Steel Structures	Jun 1, 2007	
	GBSP59	Diamond Grinding and Surface Testing Bridge Sections	Dec 6, 2004	April 15, 2022
	GBSP60	Containment and Disposal of Non-Lead Paint Cleaning Residues	Nov 25, 2004	April 22, 2016
	GBSP61	Slipform Parapet	Jun 1, 2007	April 15, 2022
	GBSP67	Structural Assessment Reports for Contractor's Means and Methods	Mar 6, 2009	Oct 5, 2015
	GBSP71	Aggregate Column Ground Improvement	Jan 15, 2009	Oct 15, 2011
	GBSP78	Bridge Deck Construction	Oct 22, 2013	Dec 21, 2016
	GBSP79	Bridge Deck Grooving (Longitudinal)	Dec 29, 2014	Mar 29, 2017
	GBSP81	Membrane Waterproofing for Buried Structures	Oct 4, 2016	March 1, 2019
	GBSP82	Metallizing of Structural Steel	Oct 4, 2016	Oct 20, 2017
	GBSP83	Hot Dip Galvanizing For Structural Steel	Oct 4, 2016	June 28, 2024
	GBSP85	Micropiles	Apr 19, 1996	Oct 23, 2020
	GBSP86	Drilled Shafts	Oct 5, 2015	Oct 27, 2023
	GBSP87	Lightweight Cellular Concrete Fill	Nov 11, 2001	Apr 1, 2016
	GBSP88	Corrugated Structural Plate Structures	Apr 22, 2016	April 13, 2018
✓	GBSP89	Preformed Pavement Joint Seal	Oct 4, 2016	March 24, 2023
	GBSP90	Three Sided Precast Concrete Structure (Special)	Dec 21, 2016	March 22, 2024
	GBSP91	Crosshole Sonic Logging Testing of Drilled Shafts	Apr 20, 2016	March 24, 2023
	GBSP92	Thermal Integrity Profile Testing of Drilled Shafts	Apr 20, 2016	March 24, 2023
✓	GBSP93	Preformed Bridge Joint Seal	Dec 21, 2016	June 28, 2024
	GBSP94	Warranty for Cleaning and Painting Steel Structures	Mar 3, 2000	Nov 24, 2004
	GBSP96	Erection of Bridge Girders Over or Adjacent to Railroads	Aug 9, 2019	
	GBSP97	Folded/Formed PVC Pipeliner	April 15, 2022	
	GBSP98	Cured-in-Place Pipe Liner	April 15, 2022	
	GBSP99	Spray-Applied Pipe Liner	April 15, 2022	
	GBSP100	Bar Splicers, Headed Reinforcement	Sept 2, 2022	Oct. 27, 2023
	GBSP101	Noise Abatement Wall, Ground Mounted	Dec 9, 2022	Oct 17, 2025
	GBSP102	Noise Abatement Wall, Structure Mounted	Dec 9, 2022	Oct 17, 2025
	GBSP103	Noise Abatement Wall Anchor Rod Assembly	Dec 9, 2022	

LIST ADDITIONAL SPECIAL PROVISIONS BELOW

The following Guide Bridge Special Provisions have been incorporated into other specifications:

File Name	Title	Location
GBSP12	Drainage System	SSRBC 523
GBSP15	Three Sided Precast Concrete Structure	Superseded by GBSP90
GBSP28	Deck Slab Repair	BDE Special Provision 80476
GBSP29	Bridge Deck Microsilica Concrete Overlay	BDE Special Provision 80475
GBSP30	Bridge Deck Latex Concrete Overlay	BDE Special Provision 80475
GBSP31	Bridge Deck High-Reactivity Metakaolin (HRM) Conc Overlay	BDE Special Provision 80475
GBSP51	Pipe Underdrain for Structures	SSRBC 601
GBSP53	Structural Repair of Concrete	BDE Special Provision 80480
GBSP56	Setting Piles in Rock	SSRBC 512
GBSP72	Bridge Deck Fly Ash or GGBF Slag Concrete Overlay	BDE Special Provision 80475
GBSP75	Bond Breaker for Prestressed Concrete Bulb-T Beams	SSRBC 504

PREFORMED PAVEMENT JOINT SEAL
Effective: October 4, 2016
Revised: March 24, 2023

Description. This work shall consist of furnishing all labor, equipment and materials necessary to prepare the joint opening and install pavement joint seal(s) at the locations specified. Unless otherwise detailed on the plans, the joint shall be sized for a rated movement of 2 inches (50 mm).

Materials: Unless otherwise specified, one of the following prefabricated joint seals will be permitted.

(a) Preformed Elastomeric Joint Seal. This material shall be according to Section 1053.01.

(b) Preformed Pre-compressed, Silicone Coated, Self-Expanding Sealant System. This Sealant system shall be comprised of three components: 1) cellular polyurethane foam impregnated with hydrophobic 100% acrylic, water-based emulsion, factory coated with highway-grade, fuel resistant silicone; 2) field-applied epoxy adhesive primer, 3) field-injected silicone sealant bands.

The preformed, pre-compressed silicone joint seal shall, as a minimum, be according to the following:

- The joint seal shall be held in place by a non-sag, high modulus silicone adhesive.
- The joint seal shall be compatible with the epoxy and header material.
- The joint seal shall withstand the effects of vertical and lateral movements, skew movements and rotational movement without adhesive or cohesive failure.
- The joint seal shall be designed so that, the material is capable of movement of +50%, -50% (100% total) of nominal material size.
- The gland shall not contain any open, unsealed joints along its length in its final condition.
- Changes in plane and direction shall be executed using factory fabricated 90 degree transition assemblies. The transitions shall be watertight at the inside and outside corners through the full movement of the product.
- The depth of the joint shall be recessed 3/4 in. (19 mm) below the riding surface throughout the normal limits of joint movement.
- The joint seal shall be resistant to ultraviolet rays.
- The joint seal shall be resistant to abrasion, oxidation, oils, gasoline, salt, and other materials that may be spilled on or applied to the surface.
- The manufacturer shall certify that the joint composition shall be free of any waxes or wax compounds; asphalts or asphalt compounds.

The joint material shall meet the following physical properties:

Property	Requirement	Test Method
Tensile Strength of Silicone Coating (min)	140 psi	ASTM D 412
UV Resistance of Joint System	No Changes--2000 Hours	ASTM C793
Density of Cellular Polyurethane Foam	4.0 lb/ cu ft (200kg/cu m)	ASTM D545
Heat Aging Effects (Silicone Coating)	No cracking, chalking	ASTM C 792
Joint System Operating temp range (min)	-40° F to 185° F	ASTM C 711

The adhesive shall be a two-component, 100% solid, modified epoxy meeting the requirements of ASTM C881, Type I, Grade 3, Class B & C. The adhesive shall also have the following properties:

Property	Requirement	Test method
Tensile Strength	2,500 psi (24 MPa) min.	ASTM D638
Compressive Strength	7000 psi (48 MPa) min.	ASTM D695
Bond Strength (Dry Cure)	2000 psi (28MPa) min	ASTM C882
Water Absorption	0.1% by weight	ASTM D570

The silicone band adhesive shall have the following properties:

Property	Requirement	Test Method
Movement Capability	+50/-50%	ASTM C 719
Elongation at Break	>600%	ASTM D 5893
Slump	≤=0.3"	ASTM D 2202
Hardness (Shore A) max.	20	ASTM C 661
Tack free time (max)	60 minutes	ASTM C 679
Heat Aging Effects	No cracking, chalking	ASTM C 792
Resilience	≥ 75%	ASTM D5329
Bond	0% Adhesive or Cohesive Failure after 5 cycles @100%extension	ASTM D 5329

(c) Performed Silicone Joint Seal. The preformed silicone joint seal used for this item shall conform to the following specifications:

Table 1
Physical Properties of Preformed Silicone Gland

Property	Requirement	Test Method
Rated Movement Capability	+2 ¼ inch total	N/A
Tensile Strength, psi.	1000 min	ASTM D 412
Elongation	400% min	ASTM D 412
Tear (die B)	100 ppi. min	ASTM D 624
Hardness Durometer (Shore A).	55 +/- 5 max	ASTM D 2240
Compression set at 212°F, 70 hrs	30% max	ASTM D 395
Heat Aged Properties	5pt max loss on Durometer	ASTM D 573
Tensile and Elongation % Loss	10 % max	

The color of the preformed silicone seal shall be black, made by the addition of Carbon Black fillers which increases UV resistance, tensile strength, and abrasion wear properties.

The locking adhesive shall be non-sag, high modulus silicone adhesive conforming to the following specifications:

Table 2
Physical Properties of the Silicone Locking Adhesive

Property	Requirement	Test Method
Tensile Strength, psi.	200 min	ASTM D 412
Elongation, %	450 min	ASTM D 412
Tack Free Time, minutes.	20 max.	ASTM C 679
Cure Time ¼" bead, hrs	24 max	ASTM C 679
Resistance to U.V.	No cracking, chalking,or degradation	ASTM C793
VOC (g/L)	0	ASTM D 3960

Any rips, tears, or bond failure will be cause for rejection.

The two part epoxy primer shall be supplied for application to the vertical faces of the joint opening. The supplied primer shall be equally as effective when bonded to concrete or steel. This primer shall meet the following criteria:

Table 3
Physical Properties of Preformed Silicone Joint System Primer

Property	Requirement	Test Method
Viscosity (cps)	44	ASTM D 2196
Color	Light Amber	Visual
Solids (%)	41	ASTM D 4209
Specific Gravity	0.92	ASTM D 1217
Product Flash Point (◦F, T.C.C.)	48	ASTM D 56
Package Stability	N/A	One year in tightly sealed containers
Cleaning	N/A	Mineral Spirits
VOC (g/L)	520	ASTM D 3960

(d) Preformed Inverted EPDM Joint Seal. The preformed inverted EPDM joint seal used for this item shall conform to the following specifications:

Table 1
Physical Properties of Preformed Silicone Gland

Property	Requirement	Test Method
Rated Movement Capability	Up To 5 inch total	N/A
Tensile Strength, psi.	1200 psi min	ASTM D 412
Elongation	400 % min	ASTM D 412
Tear (Die C)	150 pli. min	ASTM D 624
Durometer Content	50 +/- 5 max	ASTM D 2240
Water Resistance (70 hrs @ 100c)	10% max	ASTM D 471
Ozone Resistance	100 min	ASTM D 1171

Table 2
Physical Properties of the V-Epoxy-R

V-Epoxy-R adhesive meets the requirements of ASTM C881 Type III, Grade 2. The adhesive shall also have the following properties:

Property	Requirement	Test Method
Color	Gray	Visual
Viscosity	45,000 CP (typ.)	N/A
Gel Time (minutes)	30 min.	ASTM C 881
Shelf Life (Separate Sealed Containers)	12 Months	N/A
Resistance to U.V.	No cracking, chalking,or degradation	ASTM C793
VOC (g/L)	0	ASTM D 3960

Any rips, tears, or bond failure will be cause for rejection.

(e) Bonded Preformed Joint Seal. This joint system shall consist of preformed elastomeric seal bonded to the side walls of the joint opening using an adhesive as specified by the Manufacturer of the joint seal.

The bonded preformed joint seal shall be according to Table 1 of ASTM D2628 with the following exceptions: Compression set shall not be over 40 percent when tested according to Method B (Modified) of ASTM D 395 after 70 hours at 212 ºF (100 ºC). The Compression-Deflection requirement will not apply to the bonded preformed joint seal.

The adhesive shall be epoxy base, dual component, which resists salt, diluted acids, alkalis, solvents, greases, oils, moisture, sunlight and weathering. Temperatures up to 200 ºF (93 ºC) shall not reduce bond strength. At 68 ºF (20 ºC), the bond strength shall be a minimum of 1000 psi (6.9 MPa) within 24 hours.

Any primers or cleaning solutions used on the faces of the joint or on the profile of the sides of the bonded preformed joint seal shall be supplied by the manufacturer of the bonded preformed joint seal.

Any additional installation materials and adhesive for splicing joint sections shall be as supplied by the manufacturer of the preformed joint seal.

The Contractor shall submit the Manufacturer's material certification documentation stating that their materials meet the applicable requirements of this specification for the joint seal(s) installed.

CONSTRUCTION REQUIREMENTS

General. The Contractor shall furnish the Engineer with the manufacturer's product information and installation procedures at least two weeks prior to installation.

The minimum ambient air temperature in which the joint seal can be installed is 40° F (4.4° C) and rising, except for bonded preformed joint seals which shall not be installed when temperatures below 50 ºF (10 ºC) are predicted within a 48 hour period.

The joint surface shall be completely dry before installing the Joint Seal. For newly placed concrete, the concrete shall be fully cured and allowed to dry out a minimum of seven additional days prior to placement of the seal. Cold, wet, inclement weather will require an extended drying time.

The Joint Seal shall not be installed immediately after precipitation or if precipitation is forecasted for the day. Joint preparation and installation of Joint Seal shall be done during the same day.

Surface Preparation. Surface preparation shall be according to the joint seal manufacturer's written instructions.

After surface preparation is completed, the joint shall be cleaned of debris using compressed air with a minimum pressure of 90 psi (620 kPa). The air compressor shall be equipped with traps to prevent the inclusion of water and/or oil in the air line. The compressed air shall be according to the cleanliness requirements of ASTM D 4285.

When priming is required per the manufacturer's instruction, this operation shall immediately follow cleaning.

Joint Installation. The Joint installation shall be per the manufacturer's instructions; special attention shall be given to ensure the joint seal is properly recessed below the top of the riding surface as recommended by the manufacturer.

For bonded joint seals the seal shall be inserted into the joint and held tightly against both sides of the joint until sufficient bond strength has been developed to resist the expected expansion forces.

Opening to traffic. As these joint systems are supposed to be recessed below the top of the riding surface, there should be no restriction, based on the joint seal installation, on when these joints can be reopened to traffic.

Method of Measurement. The installed prefabricated joint seal will not be measured for payment.

Basis of Payment. The prefabricated joint seal will not be paid for separately but shall be considered included in the cost of the adjacent concrete work involved.

PREFORMED BRIDGE JOINT SEAL
Effective: December 21, 2016
Revised: June 28, 2024

Description. This work shall consist of furnishing all labor, equipment and materials necessary to prepare the joint opening and install preformed bridge joint seal(s) at the locations specified. Unless otherwise detailed on the plans or specified herein, the maximum rated movement for this joint type is 4 inches (100 mm).

Materials: Unless otherwise specified, one of the following prefabricated joint seals will be permitted.

(a) Preformed Pre-compressed, Silicone Coated, Self-Expanding Sealant System. This Sealant system shall be comprised of three components: 1) cellular polyurethane foam impregnated with hydrophobic 100% acrylic, water-based emulsion, factory coated with highway-grade, fuel resistant silicone; 2) field-applied epoxy adhesive primer, 3) field-injected silicone sealant bands.

The preformed, pre-compressed silicone joint seal shall, as a minimum, be according to the following:

- The joint seal shall be held in place by a non-sag, high modulus silicone adhesive.
- The joint seal shall be compatible with the epoxy and header material.
- The joint seal shall withstand the effects of vertical and lateral movements, skew movements and rotational movement without adhesive or cohesive failure.
- The joint seal shall be designed so that, the material is capable of movement of +50%, -50% (100% total) of nominal material size. The gland shall not contain any open, unsealed joints along its length it its final condition.
- Changes in plane and direction shall be executed using factory fabricated transition assemblies fabricated to the angle(s) specified on the plans. The transitions shall be watertight at the inside and outside corners through the full movement of the product.
- The depth of the joint shall be recessed 3/4 in. (19 mm) below the riding surface throughout the normal limits of joint movement.
- The joint seal shall be resistant to ultraviolet rays.
- The joint seal shall be resistant to abrasion, oxidation, oils, gasoline, salt, and other materials that may be spilled on or applied to the surface.
- The manufacturer shall certify that the joint composition shall be free of any waxes or wax compounds; asphalts or asphalt compounds.

The joint material shall meet the following physical properties:

Property	Requirement	Test Method
Tensile Strength of Silicone Coating (min)	140 psi	ASTM D 412
UV Resistance of Joint System	No Changes--2000 Hours	ASTM G155-00A
Density of Cellular Polyurethane Foam (Unconfined)	4.0 lb/ cu ft (200kg/cu m)	ASTM D545
Heat Aging Effects (Silicone Coating)	No cracking, chalking	ASTM C 792
Joint System Operating temp range (min)	-40° F to 185° F	ASTM C 711

The adhesive shall be a two-component, 100% solid, modified epoxy meeting the requirements of ASTM C881, Type I, Grade 3, Class B & C. The adhesive shall also have the following properties:

Property	Requirement	Test method
Tensile Strength	2,500 psi (24 MPa) min.	ASTM D638
Compressive Strength	7000 psi (48 MPa) min.	ASTM D695
Bond Strength (Dry Cure)	2000 psi (28MPa) min	ASTM C882
Water Absorption	0.1% by weight	ASTM D570

The silicone band adhesive shall have the following properties:

Property	Requirement	Test Method
Movement Capability	+50/-50%	ASTM C 719
Elongation at Break	>600%	ASTM D 5893
Slump	≤=0.3"	ASTM D 2202
Hardness (Shore A) max.	20	ASTM C 661
Tack free time (max)	60 minutes	ASTM C 679
Heat Aging Effects	No cracking, chalking	ASTM C 792
Resilience	≥ 75%	ASTM D5329
Bond	0% Adhesive or Cohesive Failure after 5 cycles @100%extension	ASTM D 5329

(b) Preformed Silicone Joint Seal. The preformed silicone joint seal used for this item shall conform to the following specifications:

Table 1
Physical Properties of Preformed Silicone Gland

Property	Requirement	Test Method
Rated Movement Capability	+2 ¼ inch total	N/A
Tensile Strength, psi.	1000 min	ASTM D 412
Elongation	400% min	ASTM D 412
Tear (die B)	100 ppi. min	ASTM D 624
Hardness Durometer (Shore A).	55 +/- 5 max	ASTM D 2240
Compression set at 212°F, 70 hrs	30% max	ASTM D 395
Heat Aged Properties	5pt max loss on Durometer	ASTM D 573
Tensile and Elongation % Loss	10 % max	

The color of the preformed silicone seal shall be black, made by the addition of Carbon Black fillers which increases UV resistance, tensile strength, and abrasion wear properties.

The locking adhesive shall be non-sag, high modulus silicone adhesive conforming to the following specifications:

Table 2
Physical Properties of the Silicone Locking Adhesive

Property	Requirement	Test Method
Tensile Strength, psi.	200 min	ASTM D 412
Elongation, %	450 min	ASTM D 412
Tack Free Time, minutes.	20 max.	ASTM C 679
Cure Time ¼" bead, hrs	24 max	ASTM C 679
Resistance to U.V.	No cracking, chalking,or degradation	ASTM C793
VOC (g/L)	55	ASTM D 3960

Any rips, tears, or bond failure will be cause for rejection.

The two-part epoxy primer shall be supplied for application to the vertical faces of the joint opening. The supplied primer shall be equally as effective when bonded to concrete or steel. This primer shall meet the following criteria:

Table 3
Physical Properties of Preformed Silicone Joint System Primer

Property	Requirement	Test Method
Viscosity (cps)	44	ASTM D 2196
Color	Light Amber	Visual
Solids (%)	41	ASTM D 4209
Specific Gravity	0.92	ASTM D 1217
Product Flash Point (◦F, T.C.C.)	48	ASTM D 56
Package Stability	N/A	One year in tightly sealed containers
Cleaning	N/A	Mineral Spirits
VOC (g/L)	520	ASTM D 3960

(c) Preformed Inverted EPDM Joint Seal. The preformed inverted EPDM joint seal used for this item shall conform to the following specifications:

Table 1
Physical Properties of Preformed Silicone Gland

Property	Requirement	Test Method
Rated Movement Capability	Up To 5 inch total	N/A
Tensile Strength, psi.	1200 psi min	ASTM D 412
Elongation	400 % min	ASTM D 412
Tear (Die C)	150 pli. min	ASTM D 624
Durometer Content	50 +/- 5 max	ASTM D 2240
Water Resistance (70 hrs @ 100c)	10% max	ASTM D 471
Ozone Resistance	100 min	ASTM D 1171
Color	Black	Visual

Table 2
Physical Properties of the V-Epoxy-R

V-Epoxy-R adhesive meets the requirements of ASTM C881 Type III, Grade 2. The adhesive shall also have the following properties:

Property	Requirement	Test Method
Color	Gray	Visual
Viscosity	45,000 CP (typ.)	N/A
Gel Time (minutes)	30 min.	ASTM C 881
Shelf Life (Separate Sealed Containers)	12 Months	N/A
Resistance to U.V.	No cracking, chalking,or degradation	ASTM C793
VOC (g/L)	55	ASTM D 3960

Any rips, tears, or bond failure will be cause for rejection.

(d) Bonded Preformed Joint Seal. This joint system shall consist of preformed elastomeric seal bonded to the side walls of the joint opening using an adhesive as specified by the Manufacturer of the joint seal.

The bonded preformed joint seal shall be according to Table 1 of ASTM D2628 with the following exceptions: Compression set shall not be over 40 percent when tested according to Method B (Modified) of ASTM D 395 after 70 hours at 212 ºF (100 ºC). The Compression-Deflection requirement will not apply to the bonded preformed joint seal.

The adhesive shall be epoxy base, dual component, which resists salt, diluted acids, alkalis, solvents, greases, oils, moisture, sunlight and weathering. Temperatures up to 200 ºF (93 ºC) shall not reduce bond strength. At 68 ºF (20 ºC), the bond strength shall be a minimum of 1000 psi (6.9 MPa) within 24 hours.

Any primers or cleaning solutions used on the faces of the joint or on the profile of the sides of the bonded preformed joint seal shall be supplied by the manufacturer of the bonded preformed joint seal.

Any additional installation materials and adhesive for splicing joint sections shall be as supplied by the manufacturer of the preformed joint seal.

The Contractor shall submit the Manufacturer's material certification documentation stating that their materials meet the applicable requirements of this specification for the joint seal(s) installed.

CONSTRUCTION REQUIREMENTS

General. The Contractor shall furnish the Engineer with the manufacturer's product information and installation procedures at least two weeks prior to installation.

The minimum ambient air temperature in which the joint seal can be installed is 40° F (4.4° C) and rising, except for bonded preformed joint seals which shall not be installed when temperatures below 50 ºF (10 ºC) are predicted within a 48-hour period.

The joint surface shall be completely dry before installing the Joint Seal. For newly placed concrete, the concrete shall be fully cured and allowed to dry out a minimum of seven additional days prior to placement of the seal. Cold, wet, inclement weather will require an extended drying time.

The Joint Seal shall not be installed immediately after precipitation or if precipitation is forecasted for the day. Joint preparation and installation of Joint Seal shall be done during the same day.

Surface Preparation. Surface preparation shall be according to the joint seal manufacturer's written instructions.

After surface preparation is completed, the joint shall be cleaned of debris using compressed air with a minimum pressure of 90 psi (620 kPa). The air compressor shall be equipped with traps to prevent the inclusion of water and/or oil in the air line. The compressed air shall be according to the cleanliness requirements of ASTM D 4285.

When priming is required per the manufacturer's instruction, this operation shall immediately follow cleaning.

Joint Installation. The Joint installation shall be per the manufacturer's instructions; special attention shall be given to ensure the joint seal is properly recessed below the top of the riding surface as recommended by the manufacturer.

For bonded joint seals the seal shall be inserted into the joint and held tightly against both sides of the joint until sufficient bond strength has been developed to resist the expected expansion forces.

Opening to traffic. As these joint systems are supposed to be recessed below the top of the riding surface, there should be no restriction, based on the joint seal installation, on when these joints can be reopened to traffic.

Method of Measurement. The installed preformed joint seal will be measured for payment in feet (meters) measured along the centerline of joint, from out to out of the deck, no measurement will be made for joint material used to turn up into the parapet, sidewalk, or median.

Basis of Payment. The preformed bridge joint seal will be paid for at the contract unit price per foot (meter) for PREFORMED JOINT SEAL, of the design movement specified, rounded to the nearest half inch (13 mm).

GRAFFITI REMOVAL

Description: This work shall consist of removing graffiti from the surfaces of portions of the piers, abutments, or wingwalls at locations shown in the plans or other locations as directed by the Engineer, by methods described in this specification.

Materials: All materials and equipment shall be subject to the Engineer's approval before any work can begin.

Abrasive material for blast cleaning shall meet the requirements of IEPA.

Power Wash. Soluble, abrasive blast media shall be a large crystal sodium bicarbonate or a magnesium sulfate-based media. Solubility of the media in water shall meet the requirements of IEPA.

The equipment with the media shall be a soluble media injector type power washer. The Contractor shall submit catalog cuts or other documentation for all equipment proposed for use in this work. The Engineer may require demonstration of the equipment's capabilities. No work shall begin until the equipment have been demonstrated to and accepted by the Engineer.

Solvent Wash. The cleaning compound shall be a blend of an organic solvent of emulsifiers and surfactants. It shall be a bio-degradable, water-based mixture developed from non-toxic and non-corrosive substances. This may be a soybean solution or other, satisfactory to the Engineer. Mineral spirits are also acceptable for this usage.

The cleaner shall lift graffiti from the substrate surface and emulsify and dissolve the paint constituents; pigments; oils; binders and fillers. Acceptance of the cleaning compound will be based on the manufacturer's certification that the material conforms to the requirements of this specification. No work shall begin until these materials have been delivered to and accepted by the Engineer.

Construction Requirements: All work shall conform to the OSHA standards.

Unless otherwise directed by the Engineer, the following methods shall be used to remove graffiti from various surfaces. If one of these prescribed methods is used, and the graffiti still remains visible, the Contractor shall use an alternate method approved by the Engineer.

Graffiti Surface	Suggested Graffiti Removal Method
Steel (smooth, non-porous) Wood (painted or unpainted)	Solvent wash with Enviro-Solutions Paint Stripper & Graffiti Remover; SOY Solv; Mineral Spirits or Painting Over Graffiti or Power Washing
Brick, Stone, Concrete, paving. Solvent Blocks (porous, unpainted)	Wash with Taginator, or Power Washing, Over Graffiti or Abrasive Blasting Painting Over
Painted Masonry	Graffiti or Power Wash
Sign Panel Faces & Aluminum (unpainted mill finish or anodized finish)	Solvent Washing with Enviro-Solutions Paint Stripper & Graffiti Remover; SOY Solv; EZ Solv or Mineral Spirits.

Power Washing Graffiti Surfaces. All graffitied surfaces shall be cleaned with a soluble, abrasive blasting media applied with a soluble media injector or a compressed air delivery system, whichever is satisfactory to the Engineer. No particulate matter of any nature shall be permitted to remain on the cleaned surface. After cleaning, the surface shall be rinsed with tap water applied with a power washer. All visible media shall be removed from the surface.

After rinsing, the Contractor shall repeat the cleaning process in areas where graffiti or paint is still visible. If the second cleaning process fails to remove the graffiti or paint to the Engineer's satisfaction, the equipment and methods used by the Contractor will again be subject to review and approved by the Engineer. Cleaned surfaces shall bear no evidence of graffiti paint layers.

Solvent Washing Graffiti Surfaces. Pre-Cleaning Materials: A wet, non-abrasive cleanser is recommended. This cleanser shall not contain strong solvents or alcohols.

Pre-Cleaning Procedure. Cleanse the surface of loose dirt particles with clean water. Use a soft sponge or brush to wash the graffitied surface with detergent and water. Avoid scrubbing the surface unnecessarily. After the cleaner has been utilized, apply a steady stream of water on the cleaned surface to wash the dirt particles away. Allow to dry.

Cleaning Procedure. The Contractor shall supply the instructions of the cleaning procedure, to the Engineer, at least two weeks prior to starting this work. Graffiti Removal material shall be applied to surfaces as per the manufacturer's instructions. Graffiti Removal material shall not be applied to silk screen processed areas.

After the solvent is applied, the surfaces shall then be wiped with a non-abrasive material. The wiped surfaces shall then be rinsed with a water wash. The cleanliness of the surfaces is subject to the approval by the Engineer.

After rinsing, the Contractor shall repeat the cleaning process in areas where graffiti is still visible. If the second cleaning process fails to remove the graffiti to the Engineer's satisfaction, the equipment and methods used by the Contractor will again be subject to review and approval by

the Engineer.

Cleaned surfaces shall bear no evidence of graffiti. The cleaning of the graffiti image shall be feathered out by using light pressure at the end of the stroke to promote uniformity on the surrounding surface.

Abrasive Blasting off Graffiti. Due to the potential of abrasive blasting to damage the substrate, this method of graffiti removal may only be performed as a last resort, at the direction of the Engineer, after all other methods to remove graffiti have failed.

Graffiti should be removed using vacuum-shrouded blasting or power-tool equipment that has the appropriate attachments for the surface being cleaned to ensure that no dust or abrasive escapes during operation. This equipment should be capable of cleaning all the graffiti off the surface at a rate acceptable to the Engineer while producing no detectable dust. The equipment should operate in a manner such that all dust or abrasive/dust mix generated is simultaneously drawn away from the contact surface into attached vacuum hoses leading to a vacuum that utilizes HEPA filters. The vacuum and its hoses should be sufficiently rated for the volume of debris and/or abrasive/debris generated. The equipment, its method of use, and efficiency shall be demonstrated to the Engineer prior to the start of work. Power tool cleaning should remove the graffiti without causing undue damage to the surface being cleaned.

Graffiti Removal from Overhead Structures. If the use of a mechanical aerial lift is required to safely access the graffitied surface, the Contractor shall obtain the necessary equipment and use it in conjunction with the other graffiti removal items.

Method of Measurement: This work will be measured in square yards of surface area that graffiti is either removed from, or painted over, in accordance with this specification. There will be no payment for removing graffiti that is not done within the time limitations stated in this specification.

Basis of Payment: This work will be paid for at the contract unit price per square yard for GRAFFITI REMOVAL.

BOLT REPLACEMENT

Description: This work shall consist of installing new bolts to replace missing anchor bolts on the existing steel railing.

Construction Requirements: Bolts and washer shall be in accordance with Section 509 of the IDOT Standards Specifications for Road and Bridge Construction and shall be of the size shown on the drawings. A new washer is required for each new bolt.

Existing dirt and debris shall be removed from the exiting bolt hole before the installation of the new bolt. Debris shall be disposed of offsite. If existing threads are damaged, they shall be retapped. If retapping with oversized thread, the proposed bolt shall be adjusted accordingly. Oversizing shall not be done without prior approval from the Engineer.

The removal and reinstallation of rail components may be needed to install proposed bolts, in this event the contractor shall take care to protect the rail components from damage. Any damaged components shall be replaced at no additional cost to the contract. All components must be reinstalled at the end of the word day.

Method Of Measurement: This work will be measured in units of each for each new bolt installed. This included all labor, equipment and hardware necessary for this work. Removal and reinstallation of any existing railing components to facility the installation of proposed bolts will not be measured for payment.

Basis Of Payment: The work will be paid for at the contract unit price per each for BOLT REPLACEMENT.

BRIDGE DECK CONCRETE CRACK SEALER

Description: This work shall consist of preparation and placement of a concrete crack sealer on the structures as specified in the plans. Work shall be according to Section 587 of the Standard Specifications except as modified herein.

Materials: The concrete crack sealer material specified below, or an approved equal, shall be applied to the identified structures.

Product: TK – 9000 (Crack Sealer)
TK Products
11400 West 47th Street
Minnetonka, MN 55343
Phone: (888) 755-2971

Construction Requirements: The concrete crack sealer shall be applied according to the manufacturer's recommendations to all cracks within the deck and approach slab surface that measure 0.03 inch or greater in width at the surface as shown on the plans and as directed by the Engineer. The surface preparation, application techniques, and application rates shall be in accordance with the manufacturer's recommendations. As a minimum, all concrete must be at least 14 days old, and all deck grinding, saw cut grooving, and cleanup operations must be completed. The surface shall have at least a 48-hour drying period since the last rain before application. The concrete crack sealer shall not be applied if rain is forecasted within 24 hours of the application time.

The Contractor shall provide to the Engineer written documentation from the concrete crack sealer manufacturer that outlines the recommended surface preparation, application techniques, and application rates for review and acceptance.

Method of Measurement: This work will be measured in feet along the crack.

Basis of Payment: This work will be paid for at the contract unit price per foot for BRIDGE DECK CONCRETE CRACK SEALER, which price included all materials, labor, equipment and incidentals to complete the work as specified.

FLOOR DRAINS TO BE CLEANED

Description: This work shall consist of cleaning the existing floor drains on the bridge decks.

Construction Requirements: All active existing floor drains shall be cleaned of any accumulation of silt, debris, or foreign matter of any kind, and shall be free from such accumulations at the time of final inspection. Debris that is removed from the drains shall be properly disposed of off-site.

Method of Measurement: This work will be measured in units of each for each floor drain cleaned and shall include all labor, equipment and disposal of debris required to complete the work.

Basis of Payment: This work will be paid for at the contract unit price per each for FLOOR DRAINS TO BE CLEANED.

HANDRAIL REPAIRS

Description: This work shall consist of furnishing and installing portions of missing handrail from the existing bridge fence railing as detailed in the plans. Work shall also include furnishing and installing missing bent plate attached to the railing post at the expansion joint and anchorage assemblies at end posts as detailed in the plans.

Construction Requirements: Work shall conform to applicable portions of Section 509 of the Standard Specifications and as detailed herein. All steel rail elements shall be galvanized according to Article 509.5 of Standard Specifications.

Care shall be taken not to damage portions of the handrail to remain in place. Any damage to the remaining handrail or concrete parapet shall be repaired at the contractor's expense.

The contractor shall be responsible for ensuring that replacement parts fit properly and marry up to the existing rail appropriately. Proper field measuring and fabrication shall be the sole responsibility of the contractor.

The missing handrail parts shall be installed similar to the existing rail and the approximate existing lines and grades. Any anchor studs in the existing concrete may be reused if they remain sound after handrail removal. Any anchors that are not able to be reused shall be air-arced out and replaced with epoxy grouted all-thread as detailed in the plan sheets. New washers and locking anchor nuts shall be provided for all anchors.

Method of Measurement: This work will be measured for payment on a lump sum basis and shall include removal and disposal of existing rail, rail posts, and associated hardware. Also included shall be the furnishing and erecting of replacement rail, rail posts, and all necessary mounting hardware.

Basis of Payment: This work will be paid for at the contract unit price per LUMP SUM price for HANDRAIL REPAIRS.

CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS

Description: This work shall consist of cleaning all bridge drainage scuppers and down spouts from the opening at the bridge deck to the point of discharge below the deck.

Construction Requirements: This item of work shall be performed in accordance to applicable portions of section 592 of the Standard Specifications. The method for cleaning shall not damage the existing drainage system and shall be submitted to the Engineer for approval. Any damage to the drainage system shall be repaired by the Contractor at no additional cost. The drainage system shall be cleaned to the satisfaction of the Engineer, which includes the testing and inspecting of each scupper and deck surface to ensure that it has been completely cleaned.

Basis of Payment: The work described shall be paid for at the contract unit price each for CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS.

BRIDGE DECK CONCRETE SEALER

Description. This work shall consist of the surface preparation and application of a concrete sealer upon the entire top surface of the approach slabs, bridge deck, and the tops and inside vertical faces of the median, sidewalk, and parapets of the structure(s), as outlined in the plans.

Materials. Materials shall be according to the following.

Item	Section
Concrete Sealer	1026

Concrete sealers shall be penetrating sealers from the Illinois Department of Transportation's approved list of concrete sealers.

CONSTRUCTION REQUIREMENTS

Surfaces which are to be sealed shall be thoroughly cleaned by brooming and blowing off with high pressure air. Mechanical scraping may also be required to assist in the removal of mud and other foreign material. The use of chemicals and other cleaning compounds to facilitate the removal of foreign materials shall be approved by the manufacturer or its representative before use. Traffic shall not be allowed on the cleaned surface prior to treatment. Cleaning and application equipment shall be fitted with suitable traps, filters, drip pans, and other devices in order to prevent oil and other foreign material from being deposited on the surface.

Deck drains shall be temporarily plugged before the bridge deck concrete sealer is applied to control run off. The material used to plug the drains shall be removed and disposed of upon the completion of the sealing treatment.

Existing pavement markings shall be temporarily covered prior to the application of the bridge deck concrete sealer. The temporary covering material used shall be such that it will not affect the marking's retroreflectivity when removed. After application of the bridge deck concrete sealer and prior to opening to traffic, all temporary coverings shall be removed.

For new concrete, sealing shall be performed after all grinding and/or saw cut grooving is completed and before the deck is marked and open to traffic.

The concrete surface moisture condition state shall be dry. Pavement moisture shall be checked by the following procedure. Tape the edges of a square foot of plastic to the pavement surface. Allow the plastic to stand for 15 minutes. After 15 minutes, observe the plastic for drops of moisture. If moisture is present and the drop sizes are larger than a pencil eraser, the pavement moisture is too high and bridge deck concrete sealer shall not be applied. Do not apply when inclement weather is anticipated within 12 hours.

Bridge deck surfaces shall be flooded using a distribution sprayer, roller, brush or broom. Distribution sprayers shall include a skirting system to control overspray. Material shall be brushed or squeegeed for even distribution. When two applications are required, let the surface absorb the sealer and follow-up immediately with a second application before the surface dries; wet on wet method. Redistribute any puddles or free standing material. The bridge deck concrete sealer shall be applied according to the manufacturer's instructions, and information provided on the approved list of concrete sealers. The final total coverage rate shall not exceed 400 sq.ft./gal.

Traffic will be allowed on the deck only after a treated area does not track.

Method of Measurement. This work will be measured in square feet.

Basis of Payment. This work will be paid at the contract unit price per square foot for BRIDGE DECK CONCRETE SEALER.

CORRUGATED MEDIAN REMOVAL

Description: This work shall consist of removing and disposing the existing corrugated concrete median in accordance with the applicable portions of Section 440 of the Standard Specifications at the locations shown on the plans or as directed by the Engineer.

Method of Measurement: Corrugated Median Removal will be measured for payment in place and the area computed in square feet.

Saw cuts will not be measured for payment and shall be included in the cost of corrugated median removal.

Basis of Payment. This work will be paid for at the contract unit price per square foot for CORRUGATED MEDIAN REMOVAL which shall include labor, materials, and equipment necessary to remove and dispose of the existing corrugated median.

FLEXIBLE DELINEATORS

Description: This work shall consist of furnishing and installing flexible delineators on concrete bridge medians at the locations specified in the plans or as directed by the Engineer.

Materials: The flexible delineator product specified below, or approved equal, shall be installed to the identified structures.

Product: Dura-Post
Valtir, LLC
15601 Dallas Parkway, Suite 525
Addison, TX 75001
Phone: (888) 323-6374

Post Color: White
Base Color: Black
Reflective Color: Silver
Height: 36”

Construction Requirements: The contractor shall affix the delineator base to the concrete median per the manufacturer’s requirements.

Post locations shall be installed at locations as shown in the drawings however slight variations to meet field conditions and manufacturer’s requirements is acceptable. The final location is to be approved by the Engineer prior to delineator installation.

Method of Measurement: This work will be measured for payment in units of each complete in place. An entire assembly shall include the post, fastening hardware, base, anchor bolts and any other ancillary items required.

Basis of Payment: This work will be paid for at the contract unit price per each for FLEXIBLE DELINEATORS, which price included all materials, labor, equipment and incidentals to complete the work as specified.

CHAIN LINK FABRIC SPECIAL

Description: This work shall consist of the surface preparation and application of a concrete sealer or protective coat upon the entire top surface of the deck and the tops and inside vertical faces of the parapets of the structures as outlined in the contract.

Method of Measurement: This work will be measured for payment in feet, along the top of the fence from end to end of the fence installed.

Basis of Payment: This item shall be paid for at the contract unit price per foot of CHAIN LINK FABRIC SPECIAL, of the height specified.

TRAFFIC CONTROL AND PROTECTION (SPECIAL)

Description: This work shall include all labor, materials, transportation, handling and incidental work necessary to furnish, install, maintain and remove all traffic control devices used for the purpose of regulating, warning or directing traffic and protecting workers during the construction or maintenance of this improvement.

Traffic protection shall be provided as indicated in the plans, applicable Traffic Control Highway Standards and District 1 Details, and as approved by the Engineer.

Construction Requirements: 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.

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. During construction activities, if usable sidewalks or walkways are not available as an alternative to a closed sidewalk, the Contractor shall safely accommodate any pedestrian traffic within the work zone. The Contractor shall make adequate provision for the free passage of pedestrian 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 properly and to all hydrants and valves with a minimum of inconvenience.

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

When traffic is to be directed for a lane closure, the Contractor shall furnish, erect, maintain and remove all applicable traffic control devices along the lane closure according to the details shown in the plans.

All temporary signs and sign assemblies identified in detour plans for full road closures shall be included under this item. Work also may include temporary removal or covering existing signs that conflict with detour signage.

Method of Measurement: Traffic Protection will not be measured for payment but shall include the furnishing, installing, maintaining, relocation and removal of traffic control devices required in the plans and these Special Provisions or as directed by the Engineer.

Temporary information signing will be measured separately. Temporary pavement markings, including black out tape, shall be measured separately. Changeable message signs will be measured separately.

Basis of Payment: All traffic control and protection will be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION (SPECIAL). TEMPORARY INFORMATION SIGNING shall be paid separately. Temporary pavement markings, including black out tape, shall be paid separately. CHANGEABLE MESSAGE SIGNS shall be paid separately.

SILANE SURFACE SEALER

Description: This work shall consist of furnishing and applying a sealer to concrete structures as shown on the plans for structures over waterways.

Materials: Per Section 587.02 of the IDOT Standard Specifications for Road and Bridge Construction. The concrete sealer shall be Silane and of the Penetrating type per the IDOT Qualified Product List for Concrete Sealers.

General: Per section 587.03 of the IDOT Standard Specifications for Road and Bridge Construction and as shown on the plans. The concrete sealer shall be designed for use on existing concrete per the manufacturer's requirements and shall not considerably dye or alter the existing concrete color. The concrete sealer can be either water or solvent based.

Areas to receive sealer application shall be cleared of brush and other vegetation to the satisfaction of the Engineer.

Method of Measurement: This work will be measured for payment in place and the area computed in square yards. The removal of brush and other vegetation to install surface sealer will not be measured for payment and is included in the cost of Silane Surface Sealer. Additional cleaning required per manufacturer's requirements beyond what is included in the IDOT Standard Specifications for Road and Bridge Construction will not be measured for payment but will be included in the cost of Silane Surface Sealer.

Basis of Payment: This work will be paid for at the contract unit price per square yard for SILANE SURFACE SEALER (SPECIAL).

APPROACH SLAB REPAIR

Description: This work shall consist of the removal and disposal of all loose and deteriorated concrete from the approach slab and the replacement with new concrete to the original top of slab surface. The work shall also include furnishing and placing reinforcement bars. The work shall be done according to the applicable requirements of Sections 501, 503, 508, 1006 and 1020 of the Standard Specifications, this Special Provision and the special provision for Fast Setting Concrete.

Approach slab repairs will be classified as follows:

(a) Partial-Depth. Partial-depth repairs shall consist of removing the loose and unsound approach slab concrete, disposing of the concrete removed and replacing with new concrete. The removal may be performed by chipping with power driven hand tools or by hydro-equipment. The depth shall be measured from the original concrete surface, at least 3/4 inch but not more than 5 1/2 inches unless otherwise specified on the plans.

(b) Full-Depth. Full-depth repairs shall consist of removing concrete full-depth of the slab, disposing of the concrete removed, and replacing with new concrete to the original approach slab surface. The removal may be performed with power driven hand tools, hydraulic impact equipment, or by hydro-scarification equipment.

Materials: Portland cement concrete shall be according to Article 1020.02 of the Standard Specifications except as modified herein.

Portland cement concrete for partial and full-depth repairs shall be according to Section 1020. Class PP-1, PP-2, PP-3, PP-4, PP-5 or BS concrete shall be used at the Contractor's option unless noted otherwise on the contract plans.

Reinforcement bars shall be according to Article 1006.10.

Equipment: The equipment used shall be subject to the approval of the Engineer and shall meet the following requirements:

(a) Surface Preparation Equipment. Surface preparation and concrete removal equipment shall comply with the applicable portions of Section 1101 of the Standard Specifications and the following:

(1) Sawing Equipment. Sawing equipment shall be a concrete saw capable of sawing concrete to the specified depth.

(2) Blast Cleaning Equipment. The blast cleaning may be performed by wet sandblasting, high-pressure water blasting, abrasive blasting, or other methods approved by the Engineer. Blast cleaning equipment shall be capable of removing rust and old concrete from exposed reinforcement bars. Oil traps will be required.

(3) Power-Driven Hand Tools. Power-driven hand tools will be permitted including jackhammers lighter than the nominal 45-pound class. Chipping hammers heavier than a nominal 15-pound class shall not be used for removing concrete from below any reinforcing bar for partial depth repairs or final removal at the boundary

of full-depth repairs. Jackhammers or chipping hammers shall not be operated at an angle in excess of 45 degrees measured from the surface of the slab.

(4) Hydraulic Impact Equipment. Hydraulic impact equipment with a maximum rated striking energy of 360 ft-lbs (270 J) may be permitted only in areas of full depth removal more than 1 ft (300 mm) away from existing beams, girders or other supporting structural members that are to remain in service or more than 1 ft (300 mm) from the boundaries of full-depth repairs.

(5) Hydro-Demolition Equipment. The hydro-scarification equipment shall consist of filtering and pumping units operating with a remote-controlled robotic device. The equipment may use river, stream or lake water. Operation of the equipment shall be performed and supervised by qualified personnel certified by the equipment manufacturer. Evidence of certification shall be presented to the Engineer. The equipment shall be capable of removing concrete to the specified depth and removing rust and concrete particles from exposed reinforcing bars. Hydro-scarification equipment shall be calibrated before being used and shall operate at a minimum of 18,000 psi.

(b) Concrete Equipment: Equipment for proportioning and mixing the concrete shall be according to Article 1020.03.

(c) Finishing Equipment: Finishing equipment shall be according to Article 1103.17 of the Standard Specifications. Adequate hand tools will be permitted for placing and consolidating concrete in the patch areas and for finishing small patches.

Construction Requirements:
Sidewalks, curbs, drains, reinforcement and/or existing transverse and longitudinal joints which are to remain in place shall be protected from damage during removal and cleaning operations.

All damage caused by the Contractor shall be corrected, at the Contractor's expense, to the satisfaction of the Engineer.

The Contractor shall control the runoff water generated by the various construction activities in such a manner as to minimize, to the maximum extent practicable, the discharge of untreated effluent into adjacent waters, and shall properly dispose of the solids generated according to Article 202.03. The Contractor shall submit a water management plan to the Engineer specifying the control measures to be used. The control measures shall be in place prior to the start of runoff water generating activities. Runoff water shall not be allowed to constitute a hazard on adjacent roadways, waterways, drainage areas or railroads nor be allowed to erode existing slopes.

(a) Surface Preparation:

All loose, disintegrated and unsound concrete shall be removed from portions of the approach slab shown on the plans or as designated by the Engineer. The Engineer will determine the limits of removal as the work progresses.

The Contractor shall take care not to damage reinforcement bars or expansion joints which are to remain in place. Any damage to reinforcement bars or expansion joints

shall be corrected at the Contractor's expense. All loose reinforcement bars, as determined by the Engineer, shall be retied at the Contractor's expense.

(1) Partial-Depth. Areas to be repaired will be determined and marked by the Engineer. A concrete saw shall be used to provide vertical edges approximately 3/4 inch deep around the perimeter of the area to be patched when an overlay is not specified. Where high steel is present, the depth may be reduced as directed by the Engineer. A saw cut will not be required on those boundaries along the face of the curb, parapet or joint or when sharp vertical edges are provided by hydro-scarification.

The loose and unsound concrete shall be removed by chipping, with power driven hand tools or by hydro-demolition equipment. All exposed reinforcing bars and newly exposed concrete shall be thoroughly blast cleaned. Where, in the judgment of the Engineer, the bond between existing concrete and reinforcement steel within the patch area has been destroyed, the concrete adjacent to the bar shall be removed to a depth that will permit new concrete to bond to the entire periphery of the exposed bar. A minimum of 1 inch clearance will be required. The Engineer may require enlarging a designated removal area should inspection indicate deterioration beyond the limits previously designated. In this event, a new saw cut shall be made around the extended area before additional removal is begun. The removal area shall not be enlarged solely to correct debonded reinforcement or deficient lap lengths.

(2) Full-Depth. Concrete shall be removed as determined by the Engineer within all areas designated for full-depth repair and in all designated areas of partial depth repair in which unsound concrete is found to extend below a depth of 5 1/2 inches unless otherwise specified on the plans. Full depth removal shall be performed according to Article 501.05 of the Standard Specifications. A concrete saw shall be used to provide vertical edges approximately 3/4 inch deep around the perimeter of the area to be patched when an overlay is not specified. A saw cut will not be required on those boundaries along the face of the curb, parapet or joint or when sharp vertical edges are provided by hydro-scarification. The saw cut may be omitted if the deck is to receive an overlay.

All voids under full depth repair areas shall be filled with a compacted aggregate material similar to in-situ subbase material. Engineer shall approve aggregate gradation prior to placement.

(3) Reinforcement Treatment. Care shall be exercised during concrete removal to protect the reinforcement bars from damage. Any damage to the reinforcement bars to remain in place shall be repaired or replaced to the satisfaction of the Engineer at the Contractor's expense. All existing reinforcement bars shall remain in place except as herein provided for corroded bars. Tying of loose bars will be required. Any existing reinforcement bars which have a loss of more than 25% of their cross section through corrosion shall be supplemented by new, in-kind reinforcement bars. New bars shall be lapped a minimum of 32 bar diameters to existing bars. An approved mechanical bar splice capable of developing in tension at least 125 percent of the yield strength of the existing bar shall be used when it is not feasible to provide the minimum bar lap. No welding of bars will be permitted.

(4) Cleaning. Immediately after completion of the concrete removal and reinforcement repairs, the repair areas shall be cleaned of dust and debris. Once the initial cleaning is completed, the repair areas shall be thoroughly blast cleaned to a roughened appearance free from all foreign matter. Particular attention shall be given to removal of concrete fines. Any method of cleaning which does not consistently produce satisfactory results shall be discontinued and replaced by an acceptable method. All debris, including water, resulting from the blast cleaning shall be confined and shall be immediately and thoroughly removed from all areas of accumulation. If concrete placement does not follow immediately after the final cleaning, the area shall be carefully protected with well-anchored polyethylene sheeting.

Exposed reinforcement bars shall be free of dirt, detrimental scale, paint, oil, or other foreign substances which may reduce bond with the concrete. A tight non-scaling coating of rust is not considered objectionable. Loose, scaling rust shall be removed by rubbing with burlap, wire brushing, blast cleaning or other methods approved by the Engineer.

(b) Placement & Finishing of Concrete Repair:

(1) Bonding Method. The patch area shall be cleaned to the satisfaction of the Engineer and shall be thoroughly wetted and maintained in a dampened condition with water for at least 12 hours before placement of the concrete. Any excess water shall be removed by compressed air or by vacuuming prior to the beginning of concrete placement. Water shall not be applied to the patch surface within one hour before or at any time during placement of the concrete.

(2) Concrete Placement. The concrete shall be placed and consolidated according to Article 503.07 of the Standard Specifications and as herein specified. Article 1020.14 shall apply. When an overlay system is not specified, the patches shall be finished according to Article 503.16 (a)(1) and 503.16(a)(2) of the Standard Specifications, followed by a light brooming.

(c) Curing.

Concrete patches shall be cured by the Wetted Burlap or Wetted Cotton Mat Method according to Article 1020.13 (a)(3) or Article 1020.13 (a)(5). The curing period shall be 3 days for Class PP-1, PP-2, PP-3, PP-4, and PP-5 concrete. The curing period shall be 7 days for Class BS concrete. In addition to Article 1020.13, when the air temperature is less than 55º F, the Contractor shall cover the patch according to Article 1020.13 (d)(1) with minimum R12 insulation. Insulation is optional when the air temperature is 55º F. to 90º F. Insulation shall not be placed when the air temperature is greater than 90º F. A 72-hour minimum drying period shall be required before placing waterproofing or hot-mix asphalt surfacing.

(d) Opening to Traffic.

No traffic will be permitted on a patch until after the specified cure period, and the concrete has obtained a minimum compressive strength of 4000 psi or flexural strength of 675 psi.

Construction equipment will be permitted on a patch during the cure period if the concrete

has obtained the minimum required strength. In this instance, the strength specimens shall be cured with the patch.

Method of Measurement: When specified, hot-mix asphalt surface removal and full or partial depth repairs will be measured for payment and computed in square yards.

Reinforcement bars will not be measured for payment except as described in the Basis of Payment.

Basis of Payment: Areas removed and replaced up to and including a depth of 5 ½ inches or as specified will be paid for at the contract unit price per square yard for APPROACH SLAB REPAIR (PARTIAL DEPTH). Areas requiring removal greater than 5 ½ or as specified shall be removed and replaced full depth and will be paid for at the contract unit price per square yard for APPROACH SLAB REPAIR (FULL DEPTH).

When corroded reinforcement bars to remain are encountered in the performance of this work and replacement is required, the Contractor will be paid according to Article 109.04 of the Standard Specifications.

No payment will be allowed for removal and replacement of reinforcement bars damaged by the Contractor in the performance of their work or for any increases in dimensions needed to provide splices for these replacement bars.

FAST SETTING CONCRETE

Description: This special provision covers Fast Setting Concrete for use in partial depth repairs of the bridge deck and approach slabs.

Materials: Materials shall be per List of Approved Material for Fast Set Concrete in this special provision. Any coarse aggregate used for extending a mortar shall have a maximum nominal particle size of 3/8” or less.

Prime coating or preparation of steel or exposed concrete surfaces before patching shall be as required by the product manufacturer.

(a) Mixture Proportions: The mix shall be proportioned in accordance with manufacturer’s recommendations.

(b) Compressive Strength: Fast Setting Concrete compressive strength measured in accordance with AASHTO T 22 shall not be less than 3,000 psi at 3 hours when applied to bridge deck and joint heading repairs when cured in accordance with the manufacturer’s recommendations. Quality control testing shall verify the required strength is achieved during placement. Quality Control shall include the sampling (4” x 8” cylinders) and 3-hour testing (ASTM C 39) of the concrete from every 50 sq. yds. placed as well as from the last patch placed within any time lane closure zone to confirm that minimal strength has been obtained before the work zone is opened to traffic. A compressive strength of 2,500 psi at 3 hours may be applied for approach slab repairs.

(c) Quality Management Plan: At least 14 days prior to the first Fast Setting Concrete placement, the Contractor shall submit a Quality Management Plan (QMP), for materials, production, and construction for review and approval by the Engineer and the County. The minimum details in the QMP shall include the proposed: material; production process, including equipment, the timing of mixing, the addition of extending aggregate (if any); the materials construction procedures; and the curing procedures.

(d) Mixing Equipment: The Fast Setting Concrete mixing equipment shall conform to the manufacturer’s recommendations. Fast Setting Concrete shall not be hand mixed.

List of Approved Material: The following list shall be considered approved:

AQUAFIN, Inc.
Building Product Systems
505 Blue Ball Road, #160
Elkton, MD 21921
Phone: 866-278-2346
Attn: Steve Bradway
www.aquafin.net
"Pavemend SL"
"Pavemend SLQ"

Dayton Superior
1125 Byers Road
Miamisburg, OH 45342
800-745-3700
Attn: Craig Behr (224-239-2175)
"HD-50"

CTS Cement Mfg. Co. / Rapid Set Products
11065 Knott Avenue, Suite A
Cypress, CA 90630
Phone: 800-929-3030 x103
Attn: Grant Kao
www.CTScement.com
"Rapid Set DOT CONCRETE MIX"

W. R. Meadows
P.O. Box 338
Hampshire, IL 60140-0338
800-342-5976
Attn: Steve Geiger
"Futura 15"

BASF Corporation
Construction Systems
889 Valley Park Drive,
Shakopee, MN 55379
Phone: 800-433-9517
Attn: Michael McCluskey
www.master-builders-solutions.basf.us
"MasterEmaco T1060"

Silpro LLC
2 New England Way
Ayer, MA 01432-1514
Phone: 972-772-4444
Attn: Paul Charest
www.silpro.com
"SilproRapid™"

KEEPING THE EXPRESSWAY OPEN TO TRAFFIC
Effective: March 22, 1996
Revised: January 21, 2015

Whenever work is in progress on or adjacent to an expressway, the Contractor shall provide the necessary traffic control devices to warn the public and to delineate the work zone as required in these Special Provisions, the Standard Specifications, the State Standards and the District Freeway details. All Contractors' personnel shall be limited to these barricaded work zones and shall not cross the expressway.

The Contractor shall request and gain approval from the Illinois Department of Transportation's Expressway Traffic Operations Engineer at www.idotlcs.com twenty-four (24) hours in advance of all daily lane, ramp and shoulder closures and 7 days in advance of all permanent and weekend closures on all Freeways and/or Expressways in District One. This advance notification is calculated based on workweek of Monday through Friday and shall not include weekends or Holidays.

Shoulder closures or partial ramp closures (per attached TC-17) will not be permitted on weekdays (Monday thru Friday) from 5:00 a.m. to 9:00 a.m. and from 3:00 p.m. to 7:00 p.m. Lane closures are normally not permitted during the day. Exact hours will be determined by the Expressway Traffic Operations Engineer 847-705-4151.

All daily lane closures shall be removed during adverse weather conditions such as rain, snow, and/or fog and as determined by the Engineer.

Additional lane closure hour restrictions may have to be imposed to facilitate the flow of traffic to and from major sporting events and/or other events.

Private vehicles shall not be parked in the work zone. Contractor's equipment and/or vehicles shall not be parked on the shoulders or in the median during non-working hours. The parking of equipment and/or vehicles on State right-of-way will only be permitted at the locations approved by the Engineer.

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: April 1, 2026 **No Later Than 10 a.m. CST**

Bridge Rehabilitation South 01
Section No: 24-BRREH-00-BR
Route No: Countywide

COOK COUNTY PROCUREMENT CONTRACT NO.: 2611-01290

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

Pre-Bid Meeting: TUESDAY, MARCH 17, 2026
10 a.m.
TEAMS MEETING:
https://teams.microsoft.com/l/meetup-join/19%3ameeting_Njc2OTdkZmQtNGI0OS00MjY5LThhYWEtOGYxMWY3MTI5NmVl%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, March 20, 2026** 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 Path Construction Company, Inc Phone No. 847-398-7100
Email Address: PSowa@pathcc.com
Address 125 E. Algonquin Road
City Arlington Heights State IL Zip Code 60005

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 Slates 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.

Laborers Training Program

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.

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
Joint Venture Certificate of Explanation & Justification

Bid Proposal Submission Date: April 1, 2026
Item No.: 2611-01290
Joint Venture Name: _____
Managing Party: _____

Not Applicable
no joint venture

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)

_____ My commission expires on _____
Notary Public

Firm #2
Name _____ Title _____
(Print)

_____
Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20 ___. (Notary Seal)

_____ My commission expires on _____
Notary Public

Firm #3
Name _____ Title _____
(Print)

_____
Signature (Proprietor, Partner, Officer or Director

Subscribed and sworn to before me this _____ day of _____, 20 ___. (Notary Seal)

_____ My commission expires on _____
Notary Public

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)

_____ My commission expires on _____
Notary Public

Firm #2

Name _____ Title _____
(Print)

_____
Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20 ___. (Notary Seal)

_____ My commission expires on _____
Notary Public

Firm #3

Name _____ Title _____
(Print)

_____
Signature (Proprietor, Partner, Officer or Director

Subscribed and sworn to before me this _____ day of _____, 20 ___. (Notary Seal)

_____ My commission expires on _____
Notary Public

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._____
Dated _____

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.

No Addendums issued

Insert

IDOT Certificate of Availability

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 4/24/2026
(Letting date)

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	Awards Pending	
Contract Number	72979	C1611		25043841		
Contract With	IDOT	PBC		CDB	IDOT	
Estimated Completion Date						
Total Contract Price	398,054.00	30,922,000.00	0.00	24,153,590.91	9,049,581.31	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	398,054.00	10,949,885.84	0.00	8,182,757.14	9,049,581.31	28,580,278.29
Uncompleted Dollar Value if Firm is the Subcontractor	~~308.25~~ I55 & Ridgly	~~281.24~~ PBC EMS		~~282.24~~ Vehicle Maint	309.26 - IDOT I294 Irving Park	0.00
	0.00	0.00	0.00	Total Value of All Work		28,580,278.29

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

0.00 0.00

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.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures	335,539.00					335,539.00
Drainage						0.00
Electrical						0.00
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Construction Management		2,183,015.40		737,084.73	9,049,581.31	11,969,681.44
Fiberglass Grating						0.00
						0.00
Totals	335,539.00	2,183,015.40	0.00	737,084.73	9,049,581.31	12,305,220.44

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.

Illinois Department of Transportation
Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 4/24/2026
(Letting date)

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	1	2	3	4	Awards Pending	
Contract Number	24055341	22-094-3D	4401289	19-166-3MR		
Contract With	CDB	MWRD	CPS	MWRD		
Estimated Completion Date	12/31/25					
Total Contract Price	17,985,172.27	22,571,795.00	6,163,155.00	21,883,980.00		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	1,057,059.97	14,502,763.04	3,271,636.20	16,999,961.43		64,411,698.93
Uncompleted Dollar Value if Firm is the Subcontractor	275.24 - CDB Philip J Rock Ctr	276.24 - MWRD North Branch	293.25 - CPS Ashburn	253.23 MWRD Stickney Boilers		0.00
	0.00	0.00	0.00	Total Value of All Work		64,411,698.93

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

0.00 0.00

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.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures		2,900,000.00				3,235,539.00
Drainage						0.00
Electrical						0.00
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Construction Management	5,000.00	2,711,726.35	292,745.34	5,576,040.70		20,555,193.83
Fiberglass Grating						0.00
						0.00
Totals	5,000.00	5,611,726.35	292,745.34	5,576,040.70	0.00	23,790,732.83

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.

Illinois Department of Transportation
Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 4/24/2026
(Letting date)

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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	Awards Pending	
Contract Number	4497958	2500078-18-BR	25044341	830-030-155		
Contract With	CPS	LCDOT	CDB	CDB		
Estimated Completion Date						
Total Contract Price	6,136,000.00	72,360.00	71,420,629.56	27,355,000.00		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	6,136,000.00	72,360.00	47,362,430.84	27,355,000.00		145,337,489.77
Uncompleted Dollar Value if Firm is the Subcontractor	310.26 - CPS Inter American	306.25 - LCDOT Russell Road	284.24 - Harper NCF	311.26 - CDB - UIC Exterior		0.00
	0.00	0.00	0.00	Total Value of All Work		145,337,489.77

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

0.00 0.00

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.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures		48,200.00				3,283,739.00
Drainage						0.00
Electrical						0.00
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Construction Management	6,136,000.00		6,089,828.45	26,968,000.00		59,749,022.28
Fiberglass Grating						0.00
						0.00
Totals	6,136,000.00	48,200.00	6,089,828.45	26,968,000.00	0.00	63,032,761.28

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.

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 4/24/2026
(Letting date)

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	Awards Pending	
Contract Number	4498832	4503412				
Contract With	CPS	CPS				
Estimated Completion Date						
Total Contract Price	7,817,000.00	5,274,945.00	0.00	0.00		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	7,817,000.00	5,274,945.00	0.00	0.00		158,429,434.77
Uncompleted Dollar Value if Firm is the Subcontractor	312.26 - CPS Canty MEP	313.26 - CPS Mosaic Fine Arts				0.00
	0.00	0.00	0.00	Total Value of All Work		158,429,434.77

Part II. Awards Pending and Uncompleted Work to be done with your own forces. 0.00

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.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						3,283,739.00
Drainage						0.00
Electrical						0.00
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Construction Management	1,367,700.00	5,274,945.00				66,391,667.28
Fiberglass Grating						0.00
Traffic Control						0.00
Totals	1,367,700.00	5,274,945.00	0.00	0.00	0.00	69,675,406.28

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	Awards Pending
Subcontractor	Warning Lites of So IL	Premier Mechanical		Block Electric Company	
Type of Work					
Subcontract Price	62,515.00	5,622,028.86	0.00	2,948,101.16	
Amount Uncompleted	62,515.00	1,632,864.00	0.00	1,634,839.46	
Subcontractor		Candor Electric		MW Powell Co	
Type of Work					
Subcontract Price	0.00	4,646,000.00	0.00	914,672.34	
Amount Uncompleted	0.00	1,856,100.00	0.00	90,972.34	
Subcontractor		Affordable Welding		Chgo Fire Protection	
Type of Work					
Subcontract Price	0.00	1,801,520.30	0.00	312,000.00	
Amount Uncompleted	0.00	0.00	0.00	295,000.00	
Subcontractor		Omega Construction		Omega Construction Svcs	
Type of Work					
Subcontract Price	0.00	1,680,032.86	0.00	2,289,000.00	
Amount Uncompleted	0.00	17,571.87	0.00	768,000.00	
Subcontractor		G&L Associates		Berger Excavating	
Type of Work					
Subcontract Price	0.00	1,452,120.25	0.00	3,460,000.00	
Amount Uncompleted	0.00	1,129,940.25	0.00	790,000.00	
Subcontractor		JF Carpentry		EOS Mechanical	
Type of Work					
Subcontract Price	0.00	2,242,528.00	0.00	1,956,850.00	
Amount Uncompleted	0.00	1,093,104.29	0.00	1,095,550.00	
Subcontractor	All Others	All Others	All Others	All Others	
Type of Work	Varies	Various	Varies	Varies	
Subcontract Price	0.00	7,238,856.55	0.00	7,863,505.76	
Amount Uncompleted	0.00	3,037,290.03	0.00	2,771,310.61	
Total Uncompleted	62,515.00	8,766,870.44	0.00	7,445,672.41	0.00

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

Subscribed and sworn to before me

this 25th day of March, 2026.

Notary Public

My commission expires 10/21/2028

(Notary Seal)

Notary Public, State of Illinois
Official Seal
Stephani Jenzen
Commission # 613115
My Commission Expires 10/21/2028

Type or Print Name Joseph Kibbon — Officer or Director — CFO — Title

Signed

Company Path Construction Company, Inc.

Address 125 E Algonquin Road

Arlington Heights, IL 60005

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	Awards Pending
Subcontractor	Austin Electric, Inc	Hilco Distributing	Nationwide Environmental	American Mechanical	
Type of Work	Electric				
Subcontract Price	2,175,550.30	978,000.00	490,400.00	4,915,037.00	
Amount Uncompleted	322,565.87	958,489.20	74,120.00	2,997,187.78	
Subcontractor	Market Contracting	Connelley Electric	JM Polcurr	Independent Mechanical	
Type of Work					
Subcontract Price	2,089,562.33	464,704.58	413,836.37	3,924,329.00	
Amount Uncompleted	25,176.07	242,000.00	140,990.00	3,565,067.00	
Subcontractor	Baumgartner Construction	E. King Construction	Pinto Construction	Connelly Electric	
Type of Work					
Subcontract Price	1,674,432.45	412,158.71	361,450.37	880,000.00	
Amount Uncompleted	229,139.00	41,582.02	156,920.00	856,000.00	
Subcontractor	MG Mechaical	Waukegan Steel	Terry Plumbing	Hilco Distributing	
Type of Work					
Subcontract Price	1,443,035.43	2,399,736.78	203,481.99	737,200.00	
Amount Uncompleted	44,008.48	2,299,971.18	0.00	265,645.23	
Subcontractor	Drive Construction	Era-Valdivia	Sandsmith	Midwest Wrecking	
Type of Work			Masonry		
Subcontract Price	1,153,909.99	3,147,144.44	107,974.24	510,000.00	
Amount Uncompleted	14,400.00	1,104,466.84	90,000.00	427,500.00	
Subcontractor	Bridgeport Steel	WBF Construction	Gonzalez Iron Works	Standard Cartage	
Type of Work					
Subcontract Price	1,046,443.69	2,200,000.00	78,702.00	353,150.00	
Amount Uncompleted	5,186.33	2,129,000.00	0.00	353,150.00	
Subcontractor	All Others	All Others	All Others	All Others	
Type of Work	Varies	Various	Varies	Various	
Subcontract Price	5,324,944.04	3,267,001.06	3,336,262.31	4,759,351.84	
Amount Uncompleted	411,584.22	2,115,527.45	2,516,860.86	2,959,370.72	
Total Uncompleted	1,052,059.97	8,891,036.69	2,978,890.86	11,423,920.73	0.00

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

Subscribed and sworn to before me

this 25th day of March, 2026.

Notary Public

My commission expires: 10/21/2028

(Notary Seal)

Notary Public, State of Illinois
Official Seal
Stephani Jenzen
Commission # 613115
My Commission Expires 10/21/2028

Type or Print Name Joseph Kibbon — CFO

Officer or Director — Title

Signed

Company Path Construction Company, Inc.

Address 125 E Algonquin Road

Arlington Heights, IL 60005

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		**FCS, LLC**	**American Electric**	**Chi-Town Plumbers**	
Type of Work					
Subcontract Price	**0.00**	**17,260.00**	**10,829,067.05**	**193,000.00**	
Amount Uncompleted	**0.00**	**17,260.00**	**9,754,996.28**	**193,000.00**	
Subcontractor		**Hennegan & Associates**	**ARCORP Structures**	**Quality Mechanical**	
Type of Work					
Subcontract Price	**0.00**	**5,800.00**	**5,423,775.87**	**194,000.00**	
Amount Uncompleted	**0.00**	**5,800.00**	**512,299.00**	**194,000.00**	
Subcontractor		**Kalgen Consultants**	**Amber Mechanical**		
Type of Work					
Subcontract Price	**0.00**	**1,100.00**	**4,864,556.28**	**0.00**	
Amount Uncompleted	**0.00**	**1,100.00**	**3,337,392.40**	**0.00**	
Subcontractor			**Cryer & Olsen Mechanical**		
Type of Work					
Subcontract Price	**0.00**	**0.00**	**4,690,260.23**	**0.00**	
Amount Uncompleted	**0.00**	**0.00**	**4,086,381.65**	**0.00**	
Subcontractor			**Northern Glass**		
Type of Work					
Subcontract Price	**0.00**	**0.00**	**4,040,480.00**	**0.00**	
Amount Uncompleted	**0.00**	**0.00**	**3,942,500.00**	**0.00**	
Subcontractor			**Scurto Cement**		
Type of Work					
Subcontract Price	**0.00**	**0.00**	**3,124,409.23**	**0.00**	
Amount Uncompleted	**0.00**	**0.00**	**1,242,696.15**	**0.00**	
Subcontractor	**All Others**	**All Others**	**All Others**	**All Others**	
Type of Work	**Varies**	**Varies**	**Varies**	**Varies**	
Subcontract Price	**0.00**	**0.00**	**25,165,602.79**	**0.00**	
Amount Uncompleted	**0.00**	**0.00**	**18,396,336.91**	**0.00**	
Total Uncompleted	**0.00**	**24,160.00**	**41,272,602.39**	**387,000.00**	**0.00**

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

Subscribed and sworn to before me

this 25th day of March, 2026.

Notary Public

My commission expires: 10/21/2028

(Notary Seal)

Notary Public, State of Illinois
Official Seal
Stephani Jenzen
Commission # 613115
My Commission Expires 10/21/2028

Type or Print Name Joseph Kibbon — Officer or Director — CFO — Title

Signed

Company Path Construction Company, Inc.

Address 125 E Algonquin Road

Arlington Heights, IL 60005

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	Awards Pending
Subcontractor	RJ Olmen				
Type of Work					
Subcontract Price	5,410,000.00	0.00	0.00	0.00	
Amount Uncompleted	5,410,000.00	0.00	0.00	0.00	
Subcontractor	Horizon Contractors				
Type of Work					
Subcontract Price	380,000.00	0.00	0.00	0.00	
Amount Uncompleted	380,000.00	0.00	0.00	0.00	
Subcontractor	Nationwide Environmental				
Type of Work					
Subcontract Price	260,000.00	0.00	0.00	0.00	
Amount Uncompleted	260,000.00	0.00	0.00	0.00	
Subcontractor					
Type of Work					
Subcontract Price	0.00	0.00	0.00	0.00	
Amount Uncompleted	0.00	0.00	0.00	0.00	
Subcontractor					
Type of Work					
Subcontract Price	0.00	0.00	0.00	0.00	
Amount Uncompleted	0.00	0.00	0.00	0.00	
Subcontractor					
Type of Work					
Subcontract Price	0.00	0.00	0.00	0.00	
Amount Uncompleted	0.00	0.00	0.00	0.00	
Subcontractor	All Others	All Others	All Others	All Others	
Type of Work	Varies	Varies	Varies	Varies	
Subcontract Price	399,300.00	0.00	0.00	0.00	
Amount Uncompleted	399,300.00	0.00	0.00	0.00	
Total Uncompleted	6,449,300.00	0.00	0.00	0.00	0.00

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

Subscribed and sworn to before me

this 25th day of March, 2026.

Notary Public

My commission expires: 10/21/2028

(Notary Seal)

Notary Public, State of Illinois
Official Seal
Stephani Jenzen
Commission # 613115
My Commission Expires 10/21/2028

Type or Print Name Joseph Kibbon — Officer or Director

CFO — Title

Signed

Company Path Construction Company, Inc.

Address 125 E Algonquin Road

Arlington Heights, IL 60005

Insert

IDOT Certificate of Eligibility

Illinois Department of Transportation

Certificate of Eligibility

Path Construction Company
125 E. Algonquin Road ARLINGTON HEIGHTS, IL 60005

Contractor No 4677

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 UNLIMITED

001	EARTHWORK	$1,950,000
010	STRUCTURE REPAIR	$4,375,000
024	GROUTING	$300,000
034	DEMOLITION	$925,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 5/1/2025 TO 4/30/2026 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 5/1/2025.

Engineer of Construction

CONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Date: 3-12-2026
Project Number: 2611-01290
Project Name: Bridge Rehabilitation South 01

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:

   (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
Richard Krause	President	125 E. Algonquin Rd Arlington Heights, IL 60005

Continued

NAME	TITLE	ADDRESS

(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
none		

(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
none		

Date 3/12/2026

Path Construction Company, Inc
CONTRACTOR

X
~~SIGNATURE~~

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Date: 3/31/2026
Project Number: 2611-01290
Project Name: Bridge Rehab South 01

1. The undersigned, having executed a contract with Path Construction Company, Inc. (Contractor) for Concrete Work (Nature of Work) in the amount of $201,568.85 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: Terrazas LLC

   (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
Roberto Terrazas	President	4656 W. Offner Rd., Monee, IL

3/31/2026
DATE

SUBCONTRACTOR SIGNATURE

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Date: 4/1/2026
Project Number: 2611-01290
Project Name: Bridge Rehab South 01

1. The undersigned, having executed a contract with Path Construction Company, Inc (Contractor) for traffic control (Nature of Work) in the amount of $109,037.30 on 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: FCS, LLC
   200 Quaker Rd.
   Rockford, IL 61104

   (b) The undersigned is (check one):
   - [X] 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
Mariah Francis	President	200 Quaker Rd. Rockford, IL 61104

4/1/26
DATE

Mariah Francis
SUBCONTRACTOR SIGNATURE

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Date: 3/31/2026
Project Number: 26II-01290
Project Name: Bridge Rehab South 01

1. The undersigned, having executed a contract with Path Construction Company, Inc (Contractor) for Chain Fence / Handrails (Nature of Work) in the amount of $6,776.00 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: Northern Contracting, Inc

   (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
Richard Raesch	President/Treasurer	1851 Coltonville Rd Ste B Sycamore, IL

3/31/2026
DATE

SUBCONTRACTOR SIGNATURE

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Date: April 1, 2026
Project Number: 2611-01290
Project Name: Bridge Rehabilitation South 01

1. The undersigned, having executed a contract with Path Construction Company, Inc (Contractor) for Traffic Signal work (Nature of Work) in the amount of $ 116,750.00 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 To be determined (Date)

4. He certifies that:

   (a) The legal name and the business address of the Undersigned are: City Lights, LTD. 9993 Virginia Ave. Chicago Ridge, IL 60415

   (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
Jacqueline Hoffman	President	9993 Virginia Ave, Chicago Ridge, IL 60415
John Candelaria	Sr. Vice President	9993 Virginia Ave, Chicago Ridge, IL 60415
Mark Candelaria	Sr. Vice President	9993 Virginia Ave, Chicago Ridge, IL 60415

April 1, 2026
DATE

SUBCONTRACTOR SIGNATURE

SUBCONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS

To Contractor:

Date: 4/1/26
Project Number: 2611-01290
Project Name: BRIDGE REHAB SOUTH 01

1. The undersigned, having executed a contract with Path Construction Company, Inc. (Contractor) for ASPHALT PAVING (Nature of Work) in the amount of $86,759.27 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 UNKNOWN (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
   - XX Corporation
   - ____ Other Organization (Describe)

   (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
DAN ROJAS	PRESIDENT	9550 SERGO DR SUITE 100 MCCOOK, IL 60525
SAM ROJAS	SECY/TREAS	"

4/1/26
DATE

Bruce Arguilla
SUBCONTRACTOR SIGNATURE

Cook County

Not Applicable

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)

MBE/WBE Firm Name:	Role in Joint Venture:

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.

Cook County

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

Memorandum

Date: April 30, 2026

TO: Raffi Sarrafian, Chief Procurement Officer
Office of the Chief Procurement Officer

FROM: JEANETTA CARDINE
Jeanetta C d e, p t r or (BED)
Compliance Center of Excellence
Center of Business Enterprise Development (BED)

RE: Contract No.: 2611-01290
Bridge Rehabilitation South 01
Department of Transportation and Highways
Contractor: Path Construction Company Inc.
Contract Value: $1,544,972.94
Anticipated Contract Term: June 25, 2026 – August 7, 2029
BID – Construction
Contract Goal: 24% MBE 7% WBE

Dear Mr. Sarrafian:

The following bid for the above-referenced contract has been reviewed for compliance with the Minority-and Women-owned Business Enterprises (MBE/WBE) Ordinance and have been found to be responsive to the ordinance.

MWBE Firm	Status	Certifying Agency	Commitment (Direct)
City Lights, LTD	MBE- HA M	City of Chicago	7.5%
Terrazas LLC	MBE- HA M	City of Chicago	13%
Metromex Contractors, Inc	MBE- HA M	City of Chicago	5.6%
Maintenance Coatings Comp	WBE- C F	City of Chicago	9.7%
	Total	**MBE**	**26.1%**
		WBE	**9.7%**

The Center of Business Enterprise Development has been advised by the Requesting Department that no other bidders are being recommended for the award. Revised MBE/WBE forms were used in the determination of the responsiveness of this contract.

JC/mm

CC: Kimberlei Aaron, (OCPO)
Elaine McLaughlin, (DOTH)

COOK COUNTY
OFFICE OF THE
Chief Procurement
Officer

MBE/WBE UTILIZATION PLAN - FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions – Section 19.

I. **BIDDER/PROPOSER MBE/WBE STATUS:** (check the appropriate line)

- [x] 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 Affidavit – available online at www.cookcountyil.gov/contractcompliance)
- [ ] 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. [x] **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: Terrazas LLC

Address: 4910 Wilshire Blvd Country Club Hills, IL 60478

E-mail: rterrazas@terrazasconstruction.com

Contact Person: Roberto Terrazas Phone: 708-515-9074

Dollar Amount Participation: $ 201,568.85

Percent Amount of Participation: 13% %

*Letter of Intent attached? Yes ✓ No _____
*Current Letter of Certification attached? Yes ✓ No _____

MBE/WBE Firm: _____

Address: _____

E-mail: _____

Contact Person: _____ Phone: _____

Dollar Amount Participation: $ _____

Percent Amount of Participation: _____ %

*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.**

COOK COUNTY
OFFICE OF THE
Chief Procurement
Officer

MBE/WBE LETTER OF INTENT - FORM 2

M/WBE Firm: Terrazas LLC
Certifying Agency: City of Chicago
Contact Person: Robert Terrazas
Certification Expiration Date: 1/12/2027
Address: 4910 Wilshire Blvd.
Ethnicity: Hispanic
City/State: Country Club Hills, IL Zip: 60478
Bid/Proposal/Contract #:
Phone: 708-515-9074 Fax:
FEIN #: 81-4456697
Email: rterrazas@terrazasconstruction.com
Participation: [X] Direct [ ] Indirect

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

[X] 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)*

Various Bridge Repairs - 170th / Stager & Cottage Grove

Indicate the **Dollar Amount, Percentage**, and the **Terms of Payment** for the above-described Commodities/ Services:

$201,568.85 13%

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*)
Roberto Terrazas
Print Name
Terrazas LLC
Firm Name
4/24/2026
Date

Subscribed and sworn before me
this 24th day of April, 2026.
Notary Public Iliana M Terrazas
SEAL

OFFICIAL SEAL
ILIANA M TERRAZAS
Notary Public, State of Illinois
Commission No. 997526
My Commission Expires
September 26, 2028

Signature (*Prime Bidder/Proposer*)
Paul Sowa
Print Name
Path Construction Company, Inc
Firm Name
4/24/26
Date

Subscribed and sworn before me
this 24 day of April, 2026.
Notary Public Jacqueline Kemereit
SEAL

Notary Public, State of Illinois
Official Seal
Jacqueline R Kemereit
Commission # 1018205
My Commission Expires 9/30/2029

CITY OF CHICAGO

DEPARTMENT OF PROCUREMENT SERVICES

DEC 2 0 2023

Roberto Terrazas
Terrazas, LLC
4656 W. Offner Rd.
Monee, IL 60443

Dear Mr. Terrazas:

We are pleased to inform you that **Terrazas, LLC** is certified as a **Minority-Owned Business Enterprise ("MBE")** and **Veteran-Owned Business Enterprise ("VBE")** by the City of Chicago ("City"). This certification 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 days before your annual anniversary date of December 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 by your anniversary date of December 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.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as an MBE/VBE 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.

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 Minority and Women-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):
237310 – Bridge Decking Construction
237310 – Concrete Paving (i.e., Highway, Road, Street and Bridge)
237310 – Curbs and Street Gutters, Highway, Road and Street, Construction
238110 – Shirtcrete Contractors
238990 – Curb and Gutter Construction, Residential and Commercial Driveway and Parking Area, Concrete
238990 – Sidewalk Construction, Residential and Commercial

Your firm's participation on City contracts will be credited only toward **MBE/VBE** 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/etm

COOK COUNTY
OFFICE OF THE
Chief Procurement
Officer

MBE/WBE UTILIZATION PLAN - FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions – Section 19.

I. **BIDDER/PROPOSER MBE/WBE STATUS:** (check the appropriate line)

- [x] 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 Affidavit – available online at www.cookcountyil.gov/contractcompliance)
- [ ] 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. [x] **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: City Lights, LTD

Address: 9993 Virigina Ave, Chicago Ridge IL 60415

E-mail: info@citylightsltd.com

Contact Person: Jacqueline Hoffman Phone: 773-626-9162

Dollar Amount Participation: $ 116,750.00

Percent Amount of Participation: 7.5 %

*Letter of Intent attached? Yes X No ____
*Current Letter of Certification attached? Yes X No ____

MBE/WBE Firm: _____

Address: _____

E-mail: _____

Contact Person: _____ **Phone:** _____

Dollar Amount Participation: $ _____

Percent Amount of Participation: _____ %

*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.**

COOK COUNTY
OFFICE OF THE
Chief Procurement
Officer

MBE/WBE LETTER OF INTENT - FORM 2

M/WBE Firm: City Lights, LTD
Certifying Agency: City of Chicago
Contact Person: Jacqueline Hoffman
Certification Expiration Date: 12/1/2029
Address: 9993 Virginia Ave
Ethnicity: Hispanic
City/State: Chicago Ridge, IL Zip: 60415
Bid/Proposal/Contract #: 2611-01290
Phone: 773-626-9162 Fax: 773-626-5415
FEIN #: 36-3835589
Email: info@citylightsltd.com
Participation: ☐ Direct ☐ Indirect

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)*

Installation of Temporary Traffic Control Signals

Indicate the **Dollar Amount, Percentage,** and the **Terms of Payment** for the above-described Commodities/ Services:

$116,750 7.5%

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*)

Jacqueline Hoffman
Print Name

City Lights, LTD
Firm Name

4/23/2026
Date

Subscribed and sworn before me
this 23rd day of April, 2026
Notary Public

SEAL

OFFICIAL SEAL
KELLY DAILY
Notary Public, State of Illinois
Commission No. 973805
My Commission Expires
June 22, 2027

Signature (*Prime Bidder/Proposer*)

Paul Sowa
Print Name

Path Construction Company, Inc.
Firm Name

4/23/2026
Date

Subscribed and sworn before me
this 24 day of April, 2026
Notary Public

Notary Public, State of Illinois
SEAL Official Seal
Jacqueline R Kemerait
Commission # 1018205
My Commission Expires 9/30/2029

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**City Lights, Ltd.,** DBA **N/A**
OWNER	**Ms. Jacqueline Hoffman**
ADDRESS	**9993 Virginia Avenue** **Chicago Ridge, IL 60415** [map]
PHONE	**708-581-7111 Ext. 111**
FAX	**773-626-8310**
EMAIL	**Jackie@citylightsltd.com**
WEBSITE	**http://www.citylightsltd.com**
ETHNICITY	**Hispanic/Latino**

Certification Information

CERTIFYING AGENCY	**City of Chicago**
CERTIFICATION TYPE	**MBE - Minority Business Enterprise**
CERTIFICATION DATE	**12/18/2025**
RENEWAL DATE	**11/1/2026**
EXPIRATION DATE	**11/1/2029**
CERTIFIED BUSINESS DESCRIPTION	**NAICS 237130 Cable laying (e.g., cable television, electricity, marine, telephone), including underground** **NAICS 237130 Construction management, power and communication transmission line** **NAICS 237130 Electric light and power plant (except hydroelectric) construction** **NAICS 237130 Fiber optic cable transmission line construction** **NAICS 237130 Pole line construction** **NAICS 237130 Underground cable (e.g., cable television, electricity, telephone) laying** **NAICS 237130 Utility line (i.e., communication, electric power), construction** **NAICS 237310 Highway, Street, and Bridge Construction** **NAICS 238110 Concrete finishing** **NAICS 238110 Concrete pouring** **NAICS 238110 Concrete pumping (i.e., placement)** **NAICS 238110 Concrete repair** **NAICS 238110 Footing and foundation concrete contractors** **NAICS 238110 Poured Concrete Foundation and Structure Contractors** **NAICS 238210 Electrical contractors**

Commodity Codes

Code	Description
NAICS 237130	Cable laying (e.g., fiber optic, electricity, marine, telephone, cable television), including underground
NAICS 237130	Construction management, power and communication transmission line
NAICS 237130	Electric light and power plant (except hydroelectric) construction
NAICS 237130	Fiber optic cable transmission line construction
NAICS 237130	Pole line construction
NAICS 237130	Underground cable (e.g., fiber optic, electricity, telephone, cable television) laying
NAICS 237130	Utility line (i.e., communication, electric power), construction
NAICS 237310	Highway, Street, and Bridge Construction
NAICS 238110	Concrete finishing
NAICS 238110	Concrete pouring
NAICS 238110	Concrete pumping (i.e., placement)
NAICS 238110	Concrete repair
NAICS 238110	Footing and foundation concrete contractors
NAICS 238110	Poured Concrete Foundation and Structure Contractors
NAICS 238210	Electrical contractors

Additional Information

WARD	**N/A**
COMMUNITY AREA	**N/A**
QUALIFIED INVESTMENT AREA	**N/A**

This profile was generated on 2/4/2026

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**City Lights, Ltd.**, DBA **N/A**
OWNER	**Ms. Jacqueline Hoffman**
ADDRESS	**9993 Virginia Avenue** **Chicago Ridge, IL 60415** [map]
PHONE	**708-581-7111 Ext. 111**
FAX	**773-626-8310**
EMAIL	**Jackie@citylightsltd.com**
WEBSITE	**http://www.citylightsltd.com**
ETHNICITY	**Hispanic/Latino**

Certification Information

CERTIFYING AGENCY	**City of Chicago**
CERTIFICATION TYPE	**WBE - Women Business Enterprise**
CERTIFICATION DATE	**12/18/2025**
RENEWAL DATE	**11/1/2026**
EXPIRATION DATE	**11/1/2029**
CERTIFIED BUSINESS DESCRIPTION	**NAICS 237130 Cable laying (e.g., cable television, electricity, marine, telephone), including underground** **NAICS 237130 Construction management, power and communication transmission line** **NAICS 237130 Electric light and power plant (except hydroelectric) construction** **NAICS 237130 Fiber optic cable transmission line construction** **NAICS 237130 Pole line construction** **NAICS 237130 Underground cable (e.g., cable television, electricity, telephone) laying** **NAICS 237130 Utility line (i.e., communication, electric power), construction** **NAICS 237310 Highway, Street, and Bridge Construction** **NAICS 238110 Concrete finishing** **NAICS 238110 Concrete pouring** **NAICS 238110 Concrete pumping (i.e., placement)** **NAICS 238110 Concrete repair** **NAICS 238110 Footing and foundation concrete contractors** **NAICS 238110 Poured Concrete Foundation and Structure Contractors** **NAICS 238210 Electrical contractors**

Commodity Codes

Code	Description
NAICS 237130	Cable laying (e.g., fiber optic, electricity, marine, telephone, cable television), including underground
NAICS 237130	Construction management, power and communication transmission line
NAICS 237130	Electric light and power plant (except hydroelectric) construction
NAICS 237130	Fiber optic cable transmission line construction
NAICS 237130	Pole line construction
NAICS 237130	Underground cable (e.g., fiber optic, electricity, telephone, cable television) laying
NAICS 237130	Utility line (i.e., communication, electric power), construction
NAICS 237310	Highway, Street, and Bridge Construction
NAICS 238110	Concrete finishing
NAICS 238110	Concrete pouring
NAICS 238110	Concrete pumping (i.e., placement)
NAICS 238110	Concrete repair
NAICS 238110	Footing and foundation concrete contractors
NAICS 238110	Poured Concrete Foundation and Structure Contractors
NAICS 238210	Electrical contractors

Additional Information

WARD	**N/A**
COMMUNITY AREA	**N/A**
QUALIFIED INVESTMENT AREA	**N/A**

This profile was generated on 2/4/2026

CITY OF CHICAGO

DEPARTMENT OF PROCUREMENT SERVICES

MAY 2 0 2022

Jacqueline Hoffman
City Lights, Ltd.
9993 Virginia Avenue
Chicago Ridge, Illinois 60415

Re: Change in Ownership

Dear Ms. Hoffman:

We are pleased to inform you that we have updated your certification to reflect your firm's change in ownership. **City Lights, Ltd.,** continues to be certified as a **Minority-Owned Business Enterprise ("MBE"),** and as a **Women-Owned Business Enterprise ("WBE"),** by the City of Chicago ("City"). This certification 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 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, you must **file an annual No-Change Affidavit by your anniversary date of November 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.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **MBE/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 Minority and Women-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):
237130 - Power and Communication Line and Related Structures Construction: Electric Light and Power Plant (except hydroelectric); Construction Management; Cable laying (e.g. cable television, electricity, marine, telephone) including underground; Utility Line Construction; Fiber Optic cable transmission line construction; pole line construction
237310 - Highway, Street and Bridge Construction
238110 - Poured Concrete Foundation and Structure Contractors: Concrete Finishing; Pouring; Repair; Concrete Pumping (i.e. placement); Footing and Foundation
238210 - Electrical Contractors

Your firm's participation on City contracts will be credited only toward **MBE/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, Women-Owned Business Enterprise, Veteran-Owned Business Enterprise and Business Enterprise Owned or Operated by People with Disabilities (MBE/WBE/VBE/BEPD) Program.

Sincerely,

Aileen Velazquez
Chief Procurement Officer

AV/cm

COOK COUNTY
OFFICE OF THE
Chief Procurement
Officer

MBE/WBE UTILIZATION PLAN - FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions – Section 19.

I. **BIDDER/PROPOSER MBE/WBE STATUS:** (check the appropriate line)

- [x] 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 Affidavit – available online at www.cookcountyil.gov/contractcompliance)
- [ ] 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. [x] **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: MetroMex Contractors, Inc

Address: 9550 Sergo Dr Suite 100 McCook, IL 60525

E-mail: drojas@metromex1.com

Contact Person: Dan Rojas Phone: 708-485-3000

Dollar Amount Participation: $ 86,759.27

Percent Amount of Participation: 5.6% %

*Letter of Intent attached? Yes ✓ No ____
*Current Letter of Certification attached? Yes ✓ No ____

MBE/WBE Firm: ____

Address: ____

E-mail: ____

Contact Person: ____ Phone: ____

Dollar Amount Participation: $ ____

Percent Amount of Participation: ____ %

*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.**

COOK COUNTY
OFFICE OF THE
Chief Procurement
Officer

MBE/WBE LETTER OF INTENT - FORM 2

M/WBE Firm: MetroMex Contractors, Inc
Certifying Agency: Chicago
Contact Person: Dan Rojas
Certification Expiration Date: 5/15/26
Address: 9550 Sergo Drive Suite 100
Ethnicity: Hispanic
City/State: McCook, IL Zip: 60525
Bid/Proposal/Contract #: 24-BRREH-DO-BR
Phone: 708-485-3000 Fax: 708-485-3011
FEIN #: 36-3846412
Email: drojas@metromex1.com
Participation: ☐ Direct ☐ Indirect

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)*

Perform asphalt patch work

Indicate the **Dollar Amount, Percentage,** and the **Terms of Payment** for the above-described Commodities/ Services:

$86,759.27 5.6%

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*)
Dan Rojas
Print Name
MetroMex Contractors, Inc
Firm Name
4/23/2026
Date

Subscribed and sworn before me
this 23rd day of April, 20 26.
Notary Public

DIANA ROJAS
Official Seal
Notary Public - State of Illinois
My Commission Expires Apr 7, 2027
SEAL

Signature (*Prime Bidder/Proposer*)
Paul Sawa
Print Name
Path Construction Company, Inc
Firm Name
4/23/2026
Date

Subscribed and sworn before me
this 24 day of April, 2026
Notary Public

Notary Public, State of Illinois
Official Seal
Jacqueline R Kemereit
Commission # 1018205
My Commission Expires 9/30/2029
SEAL

Illinois Commission on Equity and Inclusion
Nina Harris, Chairperson
Alexandria Wilson, Acting Executive Director
115 South LaSalle Street, Suite 4N, Chicago, IL 60603

07/29/2025
Metromex Contractors, Inc.
9550 Sergo Dr, Suite 100
McCook, Illinois, 60525

Re: Be Enrolled Business Enterprise Program Certification

Dear Daniel Rojas,

Congratulations, your business qualifies for enrollment in the new Be Enrolled Business Enterprise Program certification (BE BEP)! The Commission on Equity and Inclusion (CEI) was created to maximize supplier diversity, equity, and inclusion by ensuring access to contracting opportunities by developing procedures and initiatives that make procurement processes inclusive, fair, and equitable while providing support, education, and mentorship. CEI established the BE BEP certification to ensure the seamless activation of a reciprocal certification and reduce duplicative red tape.

BE BEP Partners
Chicago Transit Authority (CTA)
City of Chicago
Cook County
Illinois Department of Transportation
METRA
PACE

CEI enrolled your business in the BE BEP certification based on the diversity certification one of the partners listed above issued. Activating your BE BEP certification has several benefits. Businesses certified through BE BEP will be listed in the CEI's certified vendor directory, ensuring visibility amongst State procurement professionals and potential prime vendors. The BEP certification is recognized by various municipalities and organizations, aligning with their supplier diversity initiatives. Best of all, certification is free!

Host Agency: City of Chicago

Certification Type: Minority Business Enterprise
Certification Date: 07/29/2025
Certification Expiration Date: 05/15/2026
Certification Renewal Date: 05/15/2026

CEI will activate your BE BEP certification based on your host agency's diversity certification. The duration and commodity codes for the newly activated BE BEP certification will match the existing certification held with the BE BEP partner. If applicable, the North American Industry Classification System (NAICS) codes provided by the host agency will be translated to National Institute of Government Purchasing (NIGP) commodity codes using CEI's crosswalk

Your firm's name will appear in the State's Directory as a certified vendor with the Business Enterprise Program in the specialty area(s) of:

913 - 13 - Construction, Bridge and Drawbridge, Including Reconstruction and Rehabilitation, 913 - 27 - Construction, Highway and Road, 913 - 50 - Construction, Streets, Major and Residential, Including Reconstruction, 914 - 84 - Trade Services, Construction, (Not Otherwise Classified)

Your firm will only appear in the database of BEP-certified vendors in the NIGP codes listed above, so **please review the list carefully to ensure that all relevant NIGP codes are included**.

Vendors must maintain their certification and comply with the rules of their host agency to maintain an active BE BEP certification. If the host agency's certification expires or the host agency suspends a vendor's bidding privileges, the BE BEP certification will also expire or be suspended. CEI's BEP certification unit will email vendors to update their BE BEP certification 90 days before their host agency and BE BEP certifications expire.

BE BEP-certified vendors are encouraged to notify BEP within two weeks if any of the following changes occur:

- Ownership changes
- Changes in control.
- Changes in the host agency's certification status.

Four chief procurement officers (CPOs) exercise the State of Illinois' procurement authority. Each CPO has a separate bulletin that publishes the State's solicitations and bidding opportunities for each portfolio. CEI strongly recommends that all State-certified vendors register with each procurement bulletin to ensure notification of all relevant prime and subcontractor bidding opportunities.

CPO Procurement Websites

- The Chief Procurement Officer of General Services (CPO-GS) oversees the purchases of goods and services for roughly 65 State agencies, boards, and commissions. Learn more about CPO-GS at https://cpo-general.illinois.gov/.
- The Chief Procurement Officer of Higher Education (CPO-HE) oversees purchasing by State universities. Learn more about CPO-HE at https://cpo-highered.illinois.gov/
- The Chief Procurement Officer of the Capital Development Board (CPO-CDB) oversees vertical construction and construction-related services purchases. Learn more about CPO-CDB at https://cpo-cdb.illinois.gov/.
- The Chief Procurement Officer of the Illinois Department of Transportation (CPO-IDOT) oversees

horizontal construction and construction-related services purchases. Learn more about CPO-IDOT at https://cpo-dot.illinois.gov/.

CEI welcomes your participation in BEP and wishes you continued success. If you have any questions or comments, please email CEI.BEP.Certification@Illinois.gov or call (312) 814-4190.

Sincerely,



Carlos Gutierrez
Certification Manager

COOK COUNTY
OFFICE OF THE
Chief Procurement
Officer

MBE/WBE UTILIZATION PLAN - FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions – Section 19.

I. **BIDDER/PROPOSER MBE/WBE STATUS:** (check the appropriate line)

[X] 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 Affidavit – available online at www.cookcountyil.gov/contractcompliance)

[ ] 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. [X] **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: 705 Bowes Rd, S. Elgin, IL 60177

E-mail: RachelTraf@maintenancecoatings.com

Contact Person: Rachel Traficanti Phone: 630-461-3365

Dollar Amount Participation: $ 150,717.71

Percent Amount of Participation: 9.7 %

*Letter of Intent attached? Yes X No _____
*Current Letter of Certification attached? Yes X No _____

MBE/WBE Firm: _____

Address: _____

E-mail: _____

Contact Person: _____ Phone: _____

Dollar Amount Participation: $ _____

Percent Amount of Participation: _____ %

*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 Co

Certifying Agency: City of Chicago

Contract Person: Julie Wrightsman

Certification Expiration Date: 12-16-26

Address: 705 Bowes Road

Ethnicity: WBE

City/State: S. Elgin Zip: 60177

Bid/Proposal/Contract #: 2611-01290

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*)

Traffic Control

Indicate the Dollar Amount, Percentage, and the Terms of Payment for the above-described Commodities/Services:

See attached Quote

$150,717.71 9.7%

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.

R. Traficanti

Signature (*M/WBE*)

Rachel Traficanti

Print Name

Maintenance Coatings Company

Firm Name

04-17-2026

Date

Subscribed and sworn before me

this 17 day of April 2026.

Notary Public _____

SEAL

Official Seal
JEAN ERIKA SIEWIERSKI
Notary Public, State of Illinois
Commission No. 1011828
My Commission Expires June 11, 2029

Signature (*Prime Bidder/Proposer*)

PAUL SOWA

Print Name

PATH Construction Co

Firm Name

4/17/2026

Date

Subscribed and sworn before me

this 17th day of April, 2026

Notary Public _____

SEAL

Notary Public, State of Illinois
Official Seal
Stephani Jenzen
Commission # 613115
My Commission Expires 10/21/2028

Maintenance
Coatings Company

705 Bowes Road, South Elgin IL 60177
Phone: 847-622-0020 Fax: 847-622-1087

Job Name:	CDOT BRIDGE REHAB SOUTH 01	IDOT Item No.:	
Quote To:	CONTRACTORS		
Agency:	COOK COUNTY	Bid Date:	3/31/26
Contract No.	2611-01290	Revision Date:	
Section No.	24-BRREH-00-BR	Contact:	Jeff Schuldt/ Rachel Traficanti
Completion Date	10/30/26	After Hours Ph #	847-344-5527/ 630-461-3365
Working Days			

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
70103815	TRAFFIC CONTROL SURVEILLANCE	60.00	CALD	200.00	12,000.00
70107025	CHANGEABLE MESSAGE SIGN	238.00	CDAY	35.00	8,330.00
70300150	SHORT TERM PAVEMENT MARKING RMVL (MCC TAPE ONLY)	1,037.00	SQFT	0.33	342.21
70307120	TMP PVT MK L4 T4 TAPE	3,110.00	FOOT	1.35	4,198.50
78009004	MOD URETH PM LINE 4	2,426.00	FOOT	6.00	14,556.00
78009006	MOD URETH PM LINE 6	106.00	FOOT	14.00	1,484.00
78009012	MOD URETH PM LINE 12	170.00	FOOT	28.00	4,760.00
78300202	PVT MKG REM WTR BLAST	180.00	SQFT	40.00	7,200.00
X6350108	FLEXIBLE DELINEATORS	15.00	EACH	115.00	1,725.00
X7010216	TRAF CONT & PROT SPL	1.00	LSUM	88,000.00	88,000.00
X7200061	TEMPORARY INFORMATION SIGNING	129.00	SQFT	18.00	2,322.00
CCDOTH239	RECESSED REFL PVMT MRKR	4.00	EACH	1,450.00	5,800.00
GRAND TOTAL					**$150,717.71**

NOTES:

ASSUMPTIONS:
This quote includes insurance coverage limits specified in article 107.27 of the IDOT Standard Specifications for road and Bridge Construction.To the extent that additional insurance or highter limits are required MCC shall be compensated for additional costs.

This quote does not include Trainee or Apprentice Hours or provide any hours towards residency requirements.

Quote valid for 60 days.

PRICE DOES NOT INCLUDE:
- PEDESTRIAN BARRICADES OR DETOURS
- TEMPORARY WALKWAYS OR RAMPS
- NOTIFYING LOCAL STAKEHOLDERS OF CONSTRUCTION SCHEDULE
- STORING, REMOVING, RELOCATING OR REPLACING EXISTING PERMANENT SIGNAGE. IF CONFLICTING SIGNAGE EXISTS, MCC WILL COVER SIGNS.
- MAINTAINING DRIVEWAY ACCESS, ALLEY ACCESS, RAMPS, BICYCLE PATHS, MULTI-USE PATHS OR

ACCESS TO COMMERCIAL PROPERITIES.
- LANE CLOSURES, FLAGGING AND ADDITIONAL DETOURS NOT INCLUDED.
- ALL TEMPORARY STRIPING, REMOVALS AND CHANGEABLE MESSAGE SIGNS TO BE PAID LINE ITEM
- TRAFFIC CONTROL STAGING AT LOCATION F & G NOT INCLUDED.

WATER BLASTING PRICE COVERS UP TO TWO MOBILIZATIONS.

2026 LOCAL LANE CLOSURE PRICES
1-LANE, 1-DIR UP TO 1/2 MILE (M-F): $1450
1-LANE, 1-DIR UP TO 1/2 MILE (WKND): $1650

IF CONTRACTOR WOULD LIKE TO SET THEIR OWN LANE CLOSURES AT LOCATIONS F & G, PLEASE FACTOR IN $350 FOR EQUIPMENT RENTAL. PRICE INCLUDES ONE ARROW BOARD, 30 BARRICADES AND LANE CLOSURE SIGNS.

ADDITIONAL EXCLUSIONS:
Temporary lane closures, temp fence, delineator tubes or posts,sign coring, plating, welding, sediment control, responsibility for removing, relocating, storing, covering or replacing existing signage, lighting, spotters, temporary access drives, temp signals, aggregate work, RXR insurance, erosion control, weaves, temp attenuartors, removal or obliteration of conflicting pavt markings using water blasting, temp closures for striping, drainage issues, barrier wall, attenuator or bases, surveillance, wall reflectors, message centers, wedges, permits, temp striping, fall protection, ADA work equipment, afads, flaggers.

CITY OF CHICAGO

DEPARTMENT OF PROCUREMENT SERVICES

MAR 1 8 2026

Julie Ann Wrightsman
Maintenance Coatings Co.
543 Woodbury St
South Elgin, IL 60177

Dear Ms. Wrightsman:

The City of Chicago has reviewed the Personal Narrative(s) and Personal Net Worth Statement(s) submitted for your firm for reevaluation under the October 3, 2025 United State Department of Transportation (USDOT) Interim Final Rule (IFR). We are pleased to inform you that your firm has met the eligibility standards set forth in 49 CFR Part 26 for social and economic disadvantage and your firm will be recertified as an Disadvantaged Business Enterprise (DBE).

This recertification will allow your firm to continue to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the City of Chicago, Chicago Transit Authority, Illinois Department of Transportation, Metra, and Pace.

When the Illinois Unified Certification Program (IL UCP) completes its reevaluation process, your firm will be listed in the IL UCP directory and your participation on USDOT assisted contracts will count toward DBE contract goals. Please note that no goals will be included on new contracts until the IL UCP completes reevaluation of all DBE firms. The IL UCP will provide notification once the reevaluation process is finalized.

If you have any questions or concerns, please contact our office via email at dps.certification@cityofchicago.org or call 312-744-4900.

Sincerely,

Sharla D. Roberts
Chief Procurement Officer

SDR/kr

CITY OF CHICAGO

DEPARTMENT OF PROCUREMENT SERVICES

DEC 16 2025

Rachel Traficanti
Maintenance Coatings Co.
705 Bowes Road
South Elgin, IL 60177

Re: Change in NAICS Codes

Dear Ms.Traficanti,

We are pleased to inform you that we have updated your certification to reflect your firm's expanded NAICS Codes. **Maintenance Coatings Co.** continues to be certified as a **Women-Owned Business Enterprise ("WBE")** by the City of Chicago ("City"). This certification 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 days before your annual anniversary date of April 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 by your anniversary date of April 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.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as an **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.

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 Minority-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):
237310 – Painting lines on highways, streets and bridges
237310 – Painting traffic lanes or parking lots
237310 – Parking lot marking and line painting
237310 – Runway, airport, line painting (e.g., striping)
237310 – Sign erection, highway, road, street, or bridge
339950 – Sign and signboards (except paper, paperboard) manufacturing
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, Women-Owned Business Enterprise, Veteran-Owned Business Enterprise and Business Enterprise Owned or Operated by People with Disabilities (MBE/WBE/VBE/BEPD) Program.

Sincerely,

Sharla D. Roberts
Chief Procurement Officer

SDR/dc

PETITION FOR REUCTION/WAIVER OF MBE/WBE PARTICIPATION– FORM 3

A. BIDDER/PROPOSER HEREBY REQUESTS:

☐ FULL MBE WAIBER ☐ FULL WBE WAIVER

☐ REDUCTION (PARTIAL MEBE and/or WBE Participation)
_____ % of Reduction for MBE Participation
_____ % of Reduction for 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 inpracticable, taking into consideration the percentage of total contract price represented by suck 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**
☐ **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.: 2611-01290	Date: 3/12/2026
Total Bid or Proposal Amount: 1,544,972.94	Contract Title: Bridge Rehab South 01
Contractor: Path Construction Company, Inc	Subcontractor/Supplier/ Subconsultant to be Added or substituted: Terrazas, LLC
Authorized Contact For Contractor: Paul Sousa	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Roberto Terrazas
Email Address (Contractor): DSousa@pathcc.com	Email Address (Subcontractor): rterrazas@terrazasconstruction.com
City, State and Zip (Contractor): Arlington Heights, IL 60005	City, State and Zip (Subcontractor): 60478 Country Club Hills, IL
Telephone and Fax (Contractor): 847-398-7100 / 847-398-7101	Telephone and Fax (Subcontractor): 708-515-9074
Estimated Start and Completion Dates (Contractor):	Estimated Start and Completion Dates (Subcontractor):

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

Description of Services of Supplies	**Total Price of Subcontract for Services or Supplies**
170th / Stager / Cottage Grove Various Bridge Repairs	$201,568.85

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: Path Construction Company, Inc
Name: Richard Krause
Title: President
Prime Contractor Signature: Richard Krause Date: 3/12/2026

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.: 2611-01290	Date: 3/12/2026
Total Bid or Proposal Amount: 1,544,972.94	Contract Title: Bridge Rehab South 01
Contractor: Path Construction Company, Inc	Subcontractor/Supplier/ Subconsultant to be Added or substituted: MetroMex
Authorized Contact For Contractor: Paul Sowa	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Bruce Arguilla
Email Address (Contractor): PSowa@Pathcc.com	Email Address (Subcontractor): estimating@metromexl.com
City, State and Zip (Contractor): Arlington Heights, IL 60005	City, State and Zip (Subcontractor): McCook, IL 60525
Telephone and Fax (Contractor): 847-398-7100 / 847-398-7101	Telephone and Fax (Subcontractor): 708-485-3000 / 708-485-3011
Estimated Start and Completion Dates (Contractor):	Estimated Start and Completion Dates (Subcontractor):

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

Description of Services of Supplies	Total Price of Subcontract for Services or Supplies
Asphalt Patches	$86,759.27

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: Path Construction Company, Inc
Name: Richard Krause
Title: President
Prime Contractor Signature: Richard Krause Date: 3/12/2026

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.: 2611-01290	Date: 3/12/2026
Total Bid or Proposal Amount: 1,544,972.94	Contract Title: Bridge Rehab South 01
Contractor: Path Construction Company, Inc	Subcontractor/Supplier/ Subconsultant to be Added or substituted: City Lights, LTD
Authorized Contact For Contractor: Paul Saura	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Jacqueline Hoffman/President
Email Address (Contractor): PSaura@pathcc.com	Email Address (Subcontractor): info@atylightsltd.com
City, State and Zip (Contractor): Arlington Heights, IL 60005	City, State and Zip (Subcontractor): Chicago Ridge, IL 60415
Telephone and Fax (Contractor): 847-398-7100 / 847-398-7101	Telephone and Fax (Subcontractor): 773-626-5415-F 773-626-9162-P
Estimated Start and Completion Dates (Contractor):	Estimated Start and Completion Dates (Subcontractor):

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

Description of Services of Supplies	**Total Price of Subcontract for Services or Supplies**
Temp Traffic Signals	$116,750.00

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: Path Construction Company, Inc
Name: Richard Krause
Title: President
Prime Contractor Signature: Richard Krause Date: 3/12/2026

CONTRACT NO. 2211-04083

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.: 2611-01290	Date: 3/12/2026
Total Bid or Proposal Amount: 1,544,972.94	Contract Title: Bridge Rehab South 01
Contractor: Path Construction Company, Inc	Subcontractor/Supplier/ Subconsultant to be Added or substituted: Northern Contracting, Inc
Authorized Contact For Contractor: Paul Sousa	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Richard
Email Address (Contractor): PSousa@pathcc.com	Email Address (Subcontractor): richard@northerncontracting.net
City, State and Zip (Contractor): Arlington Heights, IL 60005	City, State and Zip (Subcontractor): Sycamore, IL 60178
Telephone and Fax (Contractor): 847-398-7100 / 847-398-7101	Telephone and Fax (Subcontractor): 815-895-5855 / 815-895-2117
Estimated Start and Completion Dates (Contractor):	Estimated Start and Completion Dates (Subcontractor):

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

Description of Services of Supplies	Total Price of Subcontract for Services or Supplies
Chainlink Fence / Handrails	$ 6,776.00

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: Path Construction Company, Inc
Name: Richard Krause
Title: President
Prime Contractor Signature: Richard A Krause Date: 3/12/2026

VETERAN'S PREFERENCE FOR VBE AND SDVBE

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

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**

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 sub-paragraphs (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

N/A

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:

125 E. Algonquin Road
Arlington Heights, IL 60005

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): 08-16-401-042-1005

(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:

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 Path Construction Company, Inc

D/B/A: _____ FEIN # Only: 37-1572701

Street Address: 125 E. Algonquin Road

City: Arlington Heights State: IL Zip Code: 60005

Phone No.: 847-398-7100 Fax Number: 847-398-7101 Email: rkrause@pathec.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) _____

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
Richard Krause	125 E. Algonquin Rd Arlington Heights, IL 60005	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 [X] 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

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

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

Richard Krause
Name of Authorized Applicant/Holder Representative (please print or type)

President
Title

Signature

03/13/2026
Date

rkrause@pathcc.com
E-mail address

847-398-7100
Phone Number

Subscribed to and sworn before me
this 13 day of March, 2026

My commission expires

Notary Public, State of Illinois
Official Seal
Jacqueline R Kemerelt
Commission # 1018205
My Commission Expires 9/30/2029

X
Notary Public Signature

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	☐ Half-brother
☐ Nephew	☐ Sister-in-law	☐ Half-sister

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: Path Construction Company, Inc

Address of Person Doing Business with the County: 125 E. Algonquin Rd Arlington Heights IL 60005

Phone number of Person Doing Business with the County: 847-398-7100

Email address of Person Doing Business with the County: psowa@pathcc.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:

Paul Sowa - Director

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: 2611-01290

The aggregate dollar value of the business you are doing or seeking to do with the County: $ 1,544,972.94

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:

Nathan Roseberry, Assistant Superintendent, nathan.roseberry@cookcountyil.gov

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 debarment.

Signature of Recipient Richard Krause, President Date 03/13/2026

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: 2611-01290

County Using Agency (requesting Procurement): Cook

II. Person/Substantial Owner Information:

Person (Corporate Entity Name): Path Construction Company, Inc

Substantial Owner Complete Name: Richard Krause

FEIN# 37-1572701

Date of Birth [redacted] E-mail address: rkrause@pathcc.com

Street Address: 125 E. Algonquin Road

City: Arlington Heights State: IL Zip: 60005

Home Phone: [redacted]

III. Com

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	*Illinois Wage Payment and Collection Act, 820 ILCS 115/1 et seq.,* ***YES or NO***
No	*Illinois Minimum Wage Act, 820 ILCS 105/1 et seq.,* ***YES or NO***
No	*Illinois Worker Adjustment and Retraining Notification Act, 820 ILCS 65/1 et seq.,* ***YES or NO***
No	*Employee Classification Act, 820 ILCS 185/1 et seq.,* **YES or NO**
No	*Fair Labor Standards Act of 1938, 29 U.S.C. 201, et seq.,* ***YES or NO***
No	*Any comparable state statute or regulation of any state, which governs the payment of wages* ***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: 03/13/2026

Name of Person signing (Print): Richard Krause Title: President

Subscribed and sworn to before me this 13 day of March, 20 26

X Jacqueline R Kemerait
Notary Public Signature

Notary Seal

Note: The above information is subject to verification prior to the award of the Contract.

Notary Public, State of Illinois
Official Seal
Jacqueline R Kemerait
Commission # 1018205
My Commission Expires 9/30/2029

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

Path Construction Company, Inc — Corporation's Name

Richard Krause — President's Printed Name and Signature

847-398-7100 — Telephone

rkrause@pathcc.com — Email

Secretary Signature

03/13/2026 — Date

Execution by LLC

LLC Name

*Member/Manager Printed Name and Signature

Date

Telephone and Email

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
_____day of _____, 20___.

My commission expires:

Notary Public Signature

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: 2026.06.29 09:25:37 -05'00'

Cook County Chief Procurement Officer

Date

APPROVED AS TO FORM:

Brian Tracy

Assistant State's Attorney
(Required on contracts over $1,000,000

5/18/26

Date

CONTRACT TERM & AMOUNT

2611-01290

Contract #

June 25, 2026 through August 7, 2029

Original Contract Term

Renewal Options (If Applicable)

$1,544,972.94

Contract Amount

June 11, 2026

Cook County Board Approval Date (If Applicable)

APPROVED BY THE BOARD OF

COOK COUNTY COMMISSIONERS

JUNE 11 2026

COM _____

Legislation Details (With Text)

File #:	26-1391	**Version:** 1	**Name:**	Contract for Bridge Rehabilitation South 01 (Contract No. 2611-01290)
Type:	Contract (Highway)		**Status:**	Approved
File created:	5/4/2026		**In control:**	Administration, Bureau of
On agenda:	6/11/2026		**Final action:**	6/11/2026

Title: PROPOSED CONTRACT (TRANSPORTATION AND HIGHWAYS)

Department(s): Transportation and Highways

Vendor: Path Construction Company, Inc., Arlington Heights, Illinois

Request: Authorization for the Chief Procurement Officer to enter into and execute contract.

Good(s) or Service(s): Construction Services - Bridge Rehabilitation South 01

Location: Steger Rd over Deer Creek, Olympian Way over Butterfield Creek, 170th St over I-94, Thornton Rd over Midlothian Creek, Cottage Grove Ave over Deer Creek and Central Ave over Tinley Creek,

Section: 24-BRREH-00-BR

Contract Value: $1,544,972.94

Contract period: 6/25/2026 - 8/7/2029

Contract Utilization: The vendor has met the Minority - and Women-owned Business Enterprise Ordinance via: Direct participation.

Potential Fiscal Year Budget Impact: FY 2026: $772,500.00; FY 2027: $772,472.94

Accounts: Motor Fuel Tax: 11300.1500.29150.560019

Contract Number(s): 2611-01290

Summary: The Department of Transportation and Highways respectfully requests approval of the proposed Contract between Cook County and Path Construction Company, Inc., Arlington Heights.

Under this contract, the Contractor will removal and replacement of concrete overlay, partial depth deck repairs, approach slab repairs, concrete repairs, replacing expansion joints, cleaning bridge drainage system, concrete sealing of substructure and deck crack sealing at Steger Rd over Deer Creek (Village of Crete and Village of Steger, Commissioner District 6), Olympian Way over Butterfield Creek (Village of Olympia Fields, Commissioner District 5), 170th St over I-94 (Village of South Holland, Commissioner District 6), Thornton Rd over Midlothian Creek (City of Blue Island, Commissioner District 5), Cottage Grove Ave over Deer Creek (Village of Sauk Village, Commissioner District 6) and Central Ave over Tinley Creek (Village of Crestwood, Commissioner District 17).

This contract was awarded pursuant to a publicly advertised Invitation for Bid (IFB) in accordance with the Cook County Procurement Code. Path Construction Company, Inc. was the lowest, responsive and responsible bidder.

Sponsors:

powered by Legistar™

Indexes: JENNIFER (SIS) KILLEN, Superintendent, Department of Transportation and Highways

Code sections:

Attachments:

Date	Ver.	Action By	Action	Result
6/11/2026	1	Board of Commissioners	approve	Pass

PROPOSED CONTRACT (TRANSPORTATION AND HIGHWAYS)

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Contract Utilization: The vendor has met the Minority - and Women-owned Business Enterprise Ordinance via: Direct participation.

Potential Fiscal Year Budget Impact: FY 2026: $772,500.00; FY 2027: $772,472.94

Accounts: Motor Fuel Tax: 11300.1500.29150.560019

Contract Number(s): 2611-01290

Summary: The Department of Transportation and Highways respectfully requests approval of the proposed Contract between Cook County and Path Construction Company, Inc., Arlington Heights.

Under this contract, the Contractor will removal and replacement of concrete overlay, partial depth deck repairs, approach slab repairs, concrete repairs, replacing expansion joints, cleaning bridge drainage system, concrete sealing of substructure and deck crack sealing at Steger Rd over Deer Creek (Village of Crete and Village of Steger, Commissioner District 6), Olympian Way over Butterfield Creek (Village of Olympia Fields, Commissioner District 5), 170th St over I-94 (Village of South Holland, Commissioner District 6), Thornton Rd over Midlothian Creek (City of Blue Island, Commissioner District 5), Cottage Grove Ave over Deer Creek (Village of Sauk Village, Commissioner District 6) and Central Ave over Tinley Creek (Village of Crestwood, Commissioner District 17).

This contract was awarded pursuant to a publicly advertised Invitation for Bid (IFB) in accordance with the Cook County Procurement Code. Path Construction Company, Inc. was the lowest, responsive and responsible bidder.

powered by Legistar™

CONTRACT
(SECTION 10)

This AGREEMENT made and entered into this _25_ day of _June_____ A.D., 20_26_ by and between the County of Cook, party of the first part and hereinafter called County, and Path Construction Company_____, 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

Bridge Rehabilitation South 01
Section No: 24-BRREH-00-BR
Route No: Countywide

COOK COUNTY PROCUREMENT CONTRACT NO.: #2611-01290

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 **October 31, 2026.** The contract period is June 25, 2026_____ through **August 7, 2029.**

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.

Bridge Rehabilitation South 01
Various Locations across Cook County
24-BRREH-00-BR

CONTRACT #2611-01290
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
  - 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 after receipt of Notice to Proceed.
Due Date: **FOURTEEN (14) CALENDAR DAYS FROM NOTICE TO PROCEED**

Milestone 2:
INTERIM
Requirement: **Detour for Olympian Way over Butterfield Creek**
Once commenced, all repairs requiring the closure of Olympian Way shall be completed within 42 calendar days.
Restriction: Requirement completed **on or before** due date.
Due Date: **October 31, 2026**

Milestone 3:
INTERIM
Requirement: **Detour for Thornton Road over Midlothian Creek**
Once commenced, all repairs requiring the closure of Thornton Road shall be completed within 31 calendar days.
Restriction: Requirement completed **on or before** due date.
Due Date: **October 31, 2026**

Milestone 4:
INTERIM
Requirement: **Closure of Steger Road over Deer Creek**
Closure of Steger Road and establishment of the proposed detour shall not begin before 2025-2026 school term for Bloom Trail High School is completed, anticipated to be no earlier than June 1, 2026. The closure of Steger Road and the use of the proposed detour shall not extend greater than thirty-one (31) calendar days. The removal of the closure of Steger Road and

removal of the proposed detour shall be completed prior to the start of the 2026-2027 school term for Bloom Trail High School anticipated to be no later than August 7, 2026.

Restriction: Bridge shall not be closed prior to the date noted above. Bridge shall not be closed for longer than the identified duration. Requirement completed **on or before** due date.

Due Date: August 7, 2026

Milestone 5:

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.

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, 2026

Milestone 6:

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 30, 2026

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Milestone 7:

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: Requirement completed **on or before** 30 calendar days from Project Substantial Completion / Final Inspection / Generation of Punch List Milestone.

Due Date: November 30, 2026

Milestone 8:

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 following receipt of Final Construction Report.

Due Date: February 28, 2027

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: February 28, 2027

Milestone 9:

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

Restrictions: Requirement completed **on or before** 2 calendar months from Return of the Final Construction Report
Due Date: April 30, 2027

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: April 30, 2027

Milestone 10:

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 15, 2027

Requirement B: **Pavement Marking Completion of All Performance Punch List Work / Performance Inspection Acceptance**

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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 30, 2027

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: Liberty Mutual Insurance Company
(SURETY COMPANY)

would execute a Performance/Payment Bond in favor of the County of Cook for the full amount

of the bid/contract: 2611-01290
(NUMBER)

to: Path Construction Co., Inc.
(BIDDER)

The penalty of this bond is to be $ 1,544,972.94
(TOTAL DOLLAR AMOUNT OF CONTRACT)

SURETY

Liberty Mutual Insurance Company
(SURETY COMPANY'S AUTHORIZED SIGNATURE)

CORPORATE

SEAL

(ATTORNEY-IN-FACT) Laura Priester

002283 23043
AMB # **NAIC**

Surety Phone No. 617-357-9500

POWER OF ATTORNEY

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint **Laura Priester** all of the city of **Palatine**, state of **IL** its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bonds, undertakings, recognizances, contracts of indemnity, and all other surety obligations related thereto, the execution of which shall be binding upon the Companies as if it had been duly signed and executed by its own officers:

Principal Name: Path Construction Co., Inc.
Obligee Name: County of Cook, Department of Transportation and Highways
Surety Bond Number: Bid Bond **Bond Amount:** See Bond Form

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 1st day of April, 2026.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: _____
Nathan J. Zangerle, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 1st day of April, 2026, before me personally appeared Nathan J. Zangerle, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2029
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: _____
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.
Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Nathan J. Zangerle, Assistant Secretary to appoint such attorneys-infact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, of Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company do hereby certify that this power of attorney executed by said Companies is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 1st day of April, 2026.

By: _____
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.

PATH CONSTRUCTION COMPANY
125 E. ALGONQUIN ROAD
ARLINGTON HEIGHTS, IL 60005
O: (847) 398-7100 // F: (847) 398-7101
WWW.PATHCC.COM

April 14, 2026

Cook County Department of Transportation
161 North Clark Street, Suite 2300
Chicago, IL 60601

Subject: Opting Out of Trust Agreement

To whom this may concern,

I am writing to inform you that **Path Construction Company** is opting out of the trust agreement associated with the construction contract for the project at **Bridge Rehabilitation South 01; Section 24-BRREH-00-BR Contract # 2611-01290.**

Please confirm receipt of this notice. If any additional steps are required, feel free to contact me directly.

Sincerely,

Paul Sowa
Director – Heavy Highway
Path Construction Company, Inc.

OPTIONAL

IF RECOMMENDED CONTRACTOR CHOOSES TO OPT OUT OF THIS PROCESS, THERE WILL BE NO FUTURE OPPORTUNITY AFFORDED TO EXERCISE THIS OPTION DURING THE TERM OF THE CONTRACT.

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 Path Construction Company, Inc whose address is 125 E. Algonquin Rd Arlington Heights, 60005, 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 the CONTRACTOR Cook County contract:

Bridge Rehabilitation South 01
Section No: 24-BRREH-00-BR
Route No: Countywide

COOK COUNTY PROCUREMENT CONTRACT NO.: #2611--01290

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

BOND NO. 268020544

PERFORMANCE AND PAYMENT BOND TO THE COUNTY OF COOK

Know All Men by These Presents, That we, Path Construction Co., Inc.

as principle, and Liberty Mutual Insurance Company as surety, are held and firmly bound unto the County of Cook in the penal sum of One Million Five Hundred Forty Four Thousand Nine Hundred Seventy Two and 54/100 Dollars ($ 1,544,972.54), 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 15th day of April A.D. 20 26 .

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 13th day of April A.D. 2026 for

Bridge Rehabilitation South 01
Section No: 24-BRREH-00-BR
Route No: Countywide

COOK COUNTY PROCUREMENT CONTRACT NO.: 2611-01290

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.

Path Construction Co., Inc.
PRINCIPAL/CONTRACTOR SEAL

By _____
PRESIDENT Richard Krause

_____
SECRETARY

Liberty Mutual Insurance Company
SURETY SEAL

By _____
SURETY/ATTORNEY-IN-FACT Laura Priester
(ATTACH POWER OF ATTORNEY)

002283 AMB#

23043 NAIC#

Seal No. 4325

Approved as to form:

By: _____
ASSISTANT STATES ATTORNEY
PW5.18

POWER OF ATTORNEY

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint **Laura Priester** all of the city of Palatine, state of IL its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bonds, undertakings, recognizances, contracts of indemnity, and all other surety obligations related thereto, the execution of which shall be binding upon the Companies as if it had been duly signed and executed by its own officers:

Principal Name: Path Construction Co., Inc.
Obligee Name: County of Cook, Department of Transportation and Highways

Surety Bond Number: 268020544 **Bond Amount:** See Bond Form

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 15th day of April, 2026.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: _____
Nathan J. Zangerle, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 15th day of April, 2026, before me personally appeared Nathan J. Zangerle, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2029
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: _____
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.
Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Nathan J. Zangerle, Assistant Secretary to appoint such attorneys-infact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, of Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company do hereby certify that this power of attorney executed by said Companies is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 15th day of April, 2026.

By: _____
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.

CONTRACTOR: Path Construction Company

PROJECT NAME: BRIDGE REHABILITATION SOUTH 01

PROJECT LIMITS: COUNTYWIDE

SCHEDULE OF PRICES

SECTION NO.: 24-BRREH-00-BR

ITEM NO.	PAY CODE	QUANTITY	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	31101400	12	SQ YD	SUBBASE GRANULAR MATERIAL, TYPE B 6"	$ 125.00	$ 1,500.00
2	40600290	39	POUND	BITUMINOUS MATERIALS (TACK COAT)	$ 0.01	$ 0.39
3	42000501	45	SQ YD	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	$ 300.00	$ 13,500.00
4	42101300	110	SQ YD	PROTECTIVE COAT	$ 13.00	$ 1,430.00
5	42400200	1,044	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	$ 17.50	$ 18,270.00
6	44000100	170	SQ YD	PAVEMENT REMOVAL	$ 45.00	$ 7,650.00
7	44000500	8	FOOT	COMBINATION CURB AND GUTTER REMOVAL	$ 390.00	$ 3,120.00
8	44000600	1,044	SQ FT	SIDEWALK REMOVAL	$ 5.50	$ 5,742.00
9	44201676	62	SQ YD	CLASS D PATCHES, TYPE IV, 2 INCH	$ 435.00	$ 26,970.00
10	44201684	170	SQ YD	CLASS D PATCHES, TYPE IV, 3 INCH	$ 352.00	$ 59,840.00
11	44213200	101	FOOT	SAW CUTS	$ 15.00	$ 1,515.00
12	44900105	75	FOOT	REMOVAL AND REPLACEMENT OF PREFORMED ELASTOMERIC JOINT SEALS FOR PAVEMENT	$ 400.00	$ 30,000.00
13	50102400	33.1	CU YD	CONCRETE REMOVAL	$ 3,500.00	$ 115,850.00
14	50300255	15.3	CU YD	CONCRETE SUPERSTRUCTURE	$ 4,700.00	$ 71,910.00
15	50300260	205	SQ YD	BRIDGE DECK GROOVING	$ 40.00	$ 8,200.00
16	50301350	11.0	CU YD	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	$ 2,000.00	$ 22,000.00
17	50800205	8,240	POUND	REINFORCEMENT BARS, EPOXY COATED	$ 5.00	$ 41,200.00
18	52000005	132.0	FOOT	PREFORMED JOINT SEAL 1"	$ 450.00	$ 59,400.00
19	53016000	65	SQ YD	DECK SLAB REPAIR (PARTIAL)	$ 1,200.00	$ 78,000.00
20	53101007	221	SQ YD	BRIDGE DECK SCARIFICATION 2"	$ 190.00	$ 41,990.00
21	53101407	221	SQ YD	BRIDGE DECK LATEX CONCRETE OVERLAY, 2"	$ 425.00	$ 93,925.00
22	53212754	98	SQ FT	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	$ 355.00	$ 34,790.00
23	53212755	30	SQ FT	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	$ 355.00	$ 10,650.00
24	59000200	44	FOOT	EPOXY CRACK INJECTION	$ 110.00	$ 4,840.00
25	59200101	1	EACH	BRIDGE WASHING NO. 1	$ 25,000.00	$ 25,000.00
26	67100100	1	L SUM	MOBILIZATION	$ 90,000.00	$ 90,000.00
27	70103815	60	CAL DA	TRAFFIC CONTROL SURVEILLANCE	$ 1.00	$ 60.00
28	70107025	238	CAL DA	CHANGEABLE MESSAGE SIGN	$ 30.00	$ 7,140.00
29	70300150	1,037	SQ FT	SHORT TERM PAVEMENT MARKING REMOVAL	$ 0.40	$ 414.80
30	70307120	3,110	FOOT	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	$ 1.25	$ 3,887.50
31	78009004	2,426	FOOT	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	$ 6.50	$ 15,769.00
32	78009006	106	FOOT	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	$ 9.25	$ 980.50
33	78009012	170	FOOT	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	$ 19.00	$ 3,230.00
34	78300202	180	SQ FT	PAVEMENT MARKING REMOVAL - WATER BLASTING	$ 25.00	$ 4,500.00

CONTRACTOR: Path Construction Company

PROJECT NAME: BRIDGE REHABILITATION SOUTH 01

PROJECT LIMITS: COUNTYWIDE

SCHEDULE OF PRICES

SECTION NO.: 24-BRREH-00-BR

ITEM NO.	PAY CODE	QUANTITY	UNIT	PAY ITEM	UNIT COST	TOTAL COST
35	X0300062	85	SQ YD	GRAFFITI REMOVAL	$ 150.00	$ 12,750.00
36	X0322559	8	EACH	BOLT REPLACEMENT	$ 500.00	$ 4,000.00
37	X0325747	760	FOOT	BRIDGE DECK CONCRETE CRACK SEALER	$ 35.00	$ 26,600.00
38	X5030539	30	EACH	FLOOR DRAINS TO BE CLEANED	$ 1,000.00	$ 30,000.00
39	X5091772	1	L SUM	HANDRAIL REPAIRS	$ 2,500.00	$ 2,500.00
40	X5230154	10	EACH	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	$ 1,000.00	$ 10,000.00
41	X5870015	28,965	SQ FT	BRIDGE DECK CONCRETE SEALER	$ 1.75	$ 50,688.75
42	X6060500	400	SQ FT	CORRUGATED MEDIAN REMOVAL	$ 25.00	$ 10,000.00
43	X6350108	15	EACH	FLEXIBLE DELINEATORS	$ 170.00	$ 2,550.00
44	X6640716	14	FOOT	CHAIN LINK FABRIC, SPECIAL, 6'-0"	$ 175.00	$ 2,450.00
45	X7010216	1	L SUM	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	$ 225,000.00	$ 225,000.00
46	X7200061	129	SQ FT	TEMPORARY INFORMATION SIGNING	$ 15.00	$ 1,935.00
47	XX007290	375	SQ YD	SILANE SURFACE SEALER (SPECIAL)	$ 9.00	$ 3,375.00
48	Z0001800	14	SQ YD	APPROACH SLAB REPAIR (PARTIAL DEPTH)	$ 2,000.00	$ 28,000.00
49	Z0041895	10	CU FT	POLYMER CONCRETE	$ 2,200.00	$ 20,900.00
50	CCDOTH026	66,000	UNIT	CONTRACT EXTRA WORK	$ 1.00	$ 66,000.00
51	CCDOTH031	6.0	CAL MO	ENGINEER'S FIELD OFFICE, TYPE A	$ 4,000.00	$ 24,000.00
52	CCDOTH239	4	EACH	RECESSED REFLECTIVE PAVEMENT MARKER (HMA)	$ 1,050.00	$ 4,200.00
53	CCDOTH272A	2	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	$ 52,250.00	$ 104,500.00
54	CCDOTH286A	7	EACH	TEMPORARY TRAFFIC SIGNAL TIMING	$ 1,750.00	$ 12,250.00
					TOTAL	**$ 1,544,972.94**

County of Cook
Department of Transportation and Highways

Proposal Bid Bond

Project Cook County - Bridge Rehabilitation South 01
Section 24-BRREH-00-BR
Date April 1, 2026
Letting 2611-01290

We Path Construction Co., Inc.
as Principal, and Liberty Mutual Insurance Company
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 1st day of April A.D. 2026.

PRINCIPAL

Path Construction Co., Inc. (Seal)
(Company Name)

BY: _____
(Signature & Title) Richard Krause President

_____ (Seal)
(Company Name)

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.)

SURETY

Liberty Mutual Insurance Company (Seal)
(Name of Surety)

BY: _____
(Signature of Attorney-in-fact)
Laura Priester Attorney-in-Fact

STATE OF Illinois
COUNTY OF McHenry

I, Eileen M Walsh, a Notary Public in and for Cook County, do hereby certify that Richard Krause Laura Priester
(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 1st day of April A.D., 2026. My commission expires October 26, 2027

Notary Public Eileen M Walsh

OFFICIAL SEAL
EILEEN M WALSH
Notary Public, State of Illinois
Commission No. 980192
My Commission Expires October 26, 2027

*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.

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: Bridge Rehabilitation South 01

Section No: 24-BRREH-00-BR

BID OPENING DATE: April 1, 2026

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 (✓) Bid Bond ( ) Other

Drawn on: _____ **of** _____
Bank **City** **State**

Draft or Check Number: _____ **Date:** _____

Amount: $ _____

Submitted by: Path Construction Company, Inc
Bidder
125 E. Algonquin Road
Street Address
Arlington Heights IL 60005
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): 4/24/2026

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	CONTACT NAME: Kelly Gordon	
Marsh & McLennan Agency LLC 20 North Martingale Road Schaumburg IL 60173	PHONE (A/C, No, Ext): (847) 463-7889	FAX (A/C, No): 847-440-9123
	E-MAIL ADDRESS: Kelly.Gordon@MarshMMA.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : National Fire Insurance Compan	20478
INSURED Path Construction Company, Inc. 125 E. Algonquin Rd., Unit 5 Arlington Heights IL 60005	INSURER B : Continental Insurance Company	35289
	INSURER C : Tokio Marine Specialty Insuran	23850
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** 277165876 **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	X **COMMERCIAL GENERAL LIABILITY** [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC [ ] OTHER:			6016207172	1/1/2026	1/1/2027	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ 2,000,000 $ 100,000 $ 15,000 $ 2,000,000 $ 4,000,000 $ 4,000,000 $
B	**AUTOMOBILE LIABILITY** X ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY [ ]			6016207155	1/1/2026	1/1/2027	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ 1,000,000 $ $ $ $
B	X **UMBRELLA LIAB** X OCCUR **EXCESS LIAB** [ ] CLAIMS-MADE [ ] DED X RETENTION $ 10,000			6016207205	1/1/2026	1/1/2027	EACH OCCURRENCE AGGREGATE $	$ 10,000,000 $ 10,000,000 $
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WC616207222	1/1/2026	1/1/2027	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C C	Pollution Liability Professional Liability			PPK2637076 PPK2637076	1/1/2026 1/1/2026	1/1/2027 1/1/2027	Limit/ Ded Limit/ Ded	5,000,000/25,000 5,000,000/25,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Bridge Rehabilitation South 01 - Contract No. 2611-01290

The following are additional insured for General Liability and Automobile Liability where required by written contract or agreement subject to the provisions and limitations of the policy(ies) per policy terms and conditions.
1.) Cook County, its officials, employees and agents
2.) Village of Steger
3.) Village of Crete
4.) Village of Olympia Fields
See Attached...

CERTIFICATE HOLDER

Office of the Cook County Chief Procurement Officer
161 N Clark St, Suite 2300
Chicago IL 60602

CANCELLATION

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

Lisa Paljak

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AGENCY CUSTOMER ID: _____

LOC #: _____

ADDITIONAL REMARKS SCHEDULE

AGENCY	NAMED INSURED
Marsh & McLennan Agency LLC	Path Construction Company, Inc. 125 E. Algonquin Rd., Unit 5 Arlington Heights IL 60005
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

5.) Village of Matteson
6.) Village of South Hollnad
7.) City of Blue Island
8.) Village of Sauk Village
9.) Village of Crestwood

Primary Non-Contributory coverage applies to General Liability and Automobile Liability where required by written contract or agreement per policy terms and conditions.

Waiver of Subrogation in favor of the following applies to Workers Compensation, Automobile Liability and General Liability where required by written contract or agreement per policy terms and conditions.

Umbrella Follows Form

30 Day Notice of Cancellation

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CNA

CNA PARAMOUNT

Blanket Additional Insured - Owners, Lessees or Contractors - with Products-Completed Operations Coverage Endorsement

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

It is understood and agreed as follows:

I. **WHO IS AN INSURED** is amended to include as an **Insured** any person or organization whom you are required by **written contract** to add as an additional insured on this **Coverage Part**, but only with respect to liability for **bodily injury**, **property damage** or **personal and advertising injury** caused in whole or in part by your acts or omissions, or the acts or omissions of those acting on your behalf:

A. In the performance of your ongoing operations subject to such **written contract**; or

B. In the performance of **your work** subject to such **written contract**, but only with respect to **bodily injury** or **property damage** included in the **products-completed operations hazard**, and only if:

1. The **written contract** requires you to provide the additional insured such coverage; and

2. This **Coverage Part** provides such coverage; and

C. Subject always to the terms and conditions of this policy, including the limits of insurance, the Insurer will not provide such additional insured with:

1. Coverage broader than what you are required to provide by the **written contract**; or

2. A higher limit of insurance than what you are required to provide by the **written contract**.

Any coverage granted by this Paragraph **I.** shall apply solely to the extent permissible by law.

II. If the written contract requires additional insured coverage under the 07-04 edition of CG2010 or CG2037, then paragraph **I.** above is deleted in its entirety and replaced by the following:

WHO IS AN INSURED is amended to include as an **Insured** any person or organization whom you are required by **written contract** to add as an additional insured on this **Coverage Part**, but only with respect to liability for **bodily injury**, **property damage** or **personal and advertising injury** caused in whole or in part by your acts or omissions, or the acts or omissions of those acting on your behalf:

A. In the performance of your ongoing operations subject to such **written contract**; or

B. In the performance of **your work** subject to such **written contract**, but only with respect to **bodily injury** or **property damage** included in the **products-completed operations hazard**, and only if:

1. The **written contract** requires you to provide the additional insured such coverage; and

2. This **Coverage Part** provides such coverage.

III. But if the **written contract** requires:

A. Additional insured coverage under the 11-85 edition, 10-93 edition, or 10-01 edition of CG2010, or under the 10-01 edition of CG2037; or

B. Additional insured coverage with “arising out of” language;

then paragraph **I.** above is deleted in its entirety and replaced by the following:

WHO IS AN INSURED is amended to include as an **Insured** any person or organization whom you are required by **written contract** to add as an additional insured on this **Coverage Part**, but only with respect to liability for **bodily injury**, **property damage** or **personal and advertising injury** arising out of **your work** that is subject to such **written contract**.

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Blanket Additional Insured - Owners, Lessees or Contractors - with Products-Completed Operations Coverage Endorsement

IV. But if the **written contract** requires additional insured coverage to the greatest extent permissible by law, then paragraph **I.** above is deleted in its entirety and replaced by the following:

WHO IS AN INSURED is amended to include as an **Insured** any person or organization whom you are required by **written contract** to add as an additional insured on this **Coverage Part**, but only with respect to liability for **bodily injury**, **property damage** or **personal and advertising injury** arising out of **your work** that is subject to such **written contract**.

V. The insurance granted by this endorsement to the additional insured does not apply to **bodily injury**, **property damage**, or **personal and advertising injury** arising out of:

A. The rendering of, or the 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; and

2. Supervisory, inspection, architectural or engineering activities; or

B. Any premises or work for which the additional insured is specifically listed as an additional insured on another endorsement attached to this **Coverage Part**.

VI. Under **COMMERCIAL GENERAL LIABILITY CONDITIONS,** the Condition entitled **Other Insurance** is amended to add the following, which supersedes any provision to the contrary in this Condition or elsewhere in this **Coverage Part**:

Primary and Noncontributory Insurance

With respect to other insurance available to the additional insured under which the additional insured is a named insured, this insurance is primary to and will not seek contribution from such other insurance, provided that a **written contract** requires the insurance provided by this policy to be:

1. Primary and non-contributing with other insurance available to the additional insured; or

2. Primary and to not seek contribution from any other insurance available to the additional insured.

But except as specified above, this insurance will be excess of all other insurance available to the additional insured.

VII. Solely with respect to the insurance granted by this endorsement, the section entitled **COMMERCIAL GENERAL LIABILITY CONDITIONS** is amended as follows:

The Condition entitled **Duties In The Event of Occurrence, Offense, Claim or Suit** is amended with the addition of the following:

Any additional insured pursuant to this endorsement will as soon as practicable:

1. Give the Insurer written notice of any **claim**, or any **occurrence** or offense which may result in a **claim**;

2. Send the Insurer copies of all legal papers received, and otherwise cooperate with the Insurer in the investigation, defense, or settlement of the **claim**; and

3. Make available any other insurance, and endeavor to tender the defense and indemnity of any **claim** to any other insurer or self-insurer, whose policy or program applies to a loss that the Insurer covers under this **coverage part**. However, if the **written contract** requires this insurance to be primary and non-contributory, this paragraph **3.** does not apply to other insurance under which the additional insured is a named insured.

The Insurer has no duty to defend or indemnify an additional insured under this endorsement until the Insurer receives written notice of a **claim** from the additional insured.

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Blanket Additional Insured - Owners, Lessees or Contractors - with Products-Completed Operations Coverage Endorsement

VIII. Solely with respect to the insurance granted by this endorsement, the section entitled **DEFINITIONS** is amended to add the following definition:

Written contract means a written contract or written agreement that requires you to make a person or organization an additional insured on this **Coverage Part**, provided the contract or agreement:

A. Was executed prior to:

1. The **bodily injury** or **property damage**; or

2. The offense that caused the **personal and advertising injury**;

for which the additional insured seeks coverage; and

B. Is still in effect at the time of the **bodily injury** or **property damage occurrence** or **personal and advertising injury** offense.

All other terms and conditions of the Policy remain unchanged.

This endorsement, which forms a part of and is for attachment to the Policy issued by the designated Insurers, takes effect on the effective date of said Policy at the hour stated in said Policy, unless another effective date is shown below, and expires concurrently with said Policy.

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EVIDENCE OF PROPERTY INSURANCE

DATE (MM/DD/YYYY): 4/24/2026

THIS EVIDENCE OF PROPERTY INSURANCE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE ADDITIONAL INTEREST NAMED BELOW. THIS EVIDENCE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS EVIDENCE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE ADDITIONAL INTEREST.

AGENCY
Marsh & McLennan Agency LLC
20 North Martingale Road
Suite 100
Schaumburg, IL 60173

PHONE (A/C, No, Ext): (847) 463-7889

FAX (A/C, No): (847) 440-9130

E-MAIL ADDRESS: Kelly.Gordon@MarshMMA.com

CODE:

SUB CODE:

AGENCY CUSTOMER ID #:

COMPANY
IAT INSURANCE GROUP
File 51138
Los Angeles, CA 90074

INSURED
Path Construction Company, Inc.
125 E. Algonquin Road
Arlington Heights IL 60005

LOAN NUMBER

POLICY NUMBER
IMP4004657

EFFECTIVE DATE	EXPIRATION DATE	CONTINUED UNTIL TERMINATED IF CHECKED
06/01/2026	12/31/2026	☐

THIS REPLACES PRIOR EVIDENCE DATED:

PROPERTY INFORMATION

LOCATION/DESCRIPTION
RE: Builders Risk Bridge Rehabilitation South 01 - Contract No. 2611-01290

Repairs of various bridges to include deck patches, approach slag repairs, concrete overlay and crack sealing

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 EVIDENCE OF PROPERTY INSURANCE 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.

COVERAGE INFORMATION

PERILS INSURED ☐ BASIC ☐ BROAD ☒ SPECIAL ☐

COVERAGE / PERILS / FORMS	AMOUNT OF INSURANCE	DEDUCTIBLE
Total Contract Amount at Jobsite	1,544,973	2,500
Property in Transit Limit	150,000	2,500
Temporary Storage Limit	150,000	2,500
Ordiance or Law	25,000	2,500
Outdoor Property	25,000	2,500
Debris Removal Increased Amount	100,000	2,500
Exisintg Building or Structures	25,000	2,500
Terrorism - Included		

REMARKS (Including Special Conditions)

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

ADDITIONAL INTEREST

NAME AND ADDRESS
Office of the Cook County Chief Procurement Officer
161 N Clark Street, Suite 2300
Chicago, IL 60602

☐ ADDITIONAL INSURED ☐ LENDER'S LOSS PAYABLE ☐ LOSS PAYEE
☐ MORTGAGEE ☐

LOAN #

AUTHORIZED REPRESENTATIVE
Lisa Paljak

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