

Work Order Number:

Cook County Department of Planning & Policy 69 W Washington Chicago, IL 60602

DCPP Project ID:

23273

Date:05/28/2019

To:

Cook County, Purchasing

118 N. Clark Rm. 1018 Chicago, Illinois 60602

063418.00

Location:

3015 S. California

Chicago, IL 60602

Contract #

1555-14475-EC9

Dublia Cafalia

69 W Washington, Floor 30

Chicago, IL 60602

From: Cook County Department of Capital Planning & Policy

| Contract #.   | 1000-14-770-EC        | 10                                      | Portfolib: Public Salety  |                           |                |
|---|-----------------------|---|---|---------------------------|----------------|
| Contractor:   | Sharlen Electric      | : Company                               | •   |                           |                |
| Work Order Title:   | Cook County D         | OC Division XI Fire Life Safe           | ety Upgrades  |                           |                |
|   |                       | 1975                                    |   |                           |                |
|   | NOTI                  | ce of Proposal Accepta                  | ince (NOPA)   |                           |                |
|   | If Revised:           | Date:                                   |   |                           |                |
| Your Work Order Pro   | posal has been acce   | epted for the above Work as             | follows:  |                           |                |
| Work Order Amount:  |                       | \$356,216.28                            |   |                           |                |
| Licensing Fee for The (5.00% of Construction                        |                       | \$17,810.81                             |   |                           |                |
| Total Amount:   |                       | \$374,027.09                            |   |                           |                |
| MWBE Participation:   |                       | \$0.00                                  |   |                           |                |
| Funding Source(s)   |                       | 7 - Life Safety                         |   |                           |                |
| Liquidated Damages:   |                       | Liquidated Damages will                 | il not apply  |                           |                |
| A notice to proceed w   | ill be issued which v | vill establish the Work Order           | Start date and the comple   | ilon date.                |                |
| The CCOCPP JOC C  | oordinator            |   |   |                           |                |
| Cook County De<br>Planning and Po                                   | bilicy<br>BM Pu       | <u>J. 5/29/</u> 9  rector Date  6/13/19 | Eric Davis, Deputy D<br>Cook County Depart<br>Planning and Policy   |                           | 6/15/1<br>Date |
| Financial Analys  Earl Manning, D  Cook County De  Capital Planning | irector epartment of  | Date  (a) (7) (7)  Date                 | Ann P. Kalayil, Burea<br>(Signature required f<br>Approved By:<br>Raffi Sarrafian, CRO<br>Office of Chief Procu | or Projects Over \$1 mill | Date ion)      |



# Job Order Contract (JOC) Purchase Order Package Checklist

| Job Order Number:         | 063418.00  |   |
|---------------------------|--|---|
| Job Order Name:           | Cook County DOC Division XI Fire Life  | Safety Upgrades                                       |
| Job Order Location:       | 3015 S. California, Chicago ,IL 60602  |   |
| Approved Proposal:        | \$356,216.28   |   |
| Contractor:               | Sharlen Electric Company   |   |
| Construction Duration:    | 6 Months Estimated Construction Star   | rt: 07-19-2019 Estimated Construction End: 01-28-2020 |
| Contractor's Job Order Pr | roposal Pack <del>age</del>  | MBE/WBE Subcontractors' Documentation                 |
| Notice of Proposal Ac     | cceptance (NOPA)   | Compliance M/W/SBE Estimates                          |
| Contractor Evaluation     | ı - Project Development  | MBE/WBE Utilization Plan - Form 1                     |
| County Justification L    | Letter   | N/A MBE/WBE Letter of Intent - Form 2                 |
| Detailed Scope of Wo      | rk with Project Duration   | Current Certification Letter/Internet                 |
| Detailed Estimated C      | onstruction Schedule   | M/WBE Subcontractor Waiver - Form 3                   |
| Approved Price Propo      | osal Summary & Detail  |   |
| Reimbursable Back U       | p  | Other Documents/Information                           |
| Non Pre-Priced Back       | Up   | Drawings  |
| Disclosure of Retaine     | d Parties  | Project Picture(s) Documenting Existing Conditions    |
| Identification of Sub-c   | contractor/Sub-Consultant Form   | (Each photo must be in color and labeled)             |
|                           |  | Is Project within Bond Capacity? - Y/N                |
|                           |  | Special Insurance                                     |
| Reviewed by Gordian's Ac  | count Manager:   | Date: 06/09/10/19                                     |
|                           | A CONTRACTOR OF THE PARTY OF TH |   |



**Cook County** Department of Planning & Policy 69 W Washington Chicago, IL 60602

Job Order Number:

063418.00

Contractor: Sharlen Electric Company

Job Order Name:

Cook County DOC Division XI Fire Life

**Construction Start Date:** 

07/19/2019

**Construction Amount:** 

Safety Upgrades \$356,216.28

**Construction Completion Date:** 

01/28/2020

# Contractor Evaluation - Project Procurement

| S.No. | Qescription is the second of t | Poor         | Average    | - 1 | Excellent | N/A                  |
|-------|--|--------------|------------|-----|-----------|----------------------|
| 1     | Rate the Contractor's availability to visit the Project Site with the Owner  | 1 2          | <b>,</b> M | 4   | 5         |                      |
| 2     | Rate the quality of the Detailed Scope of Work   | 1 2          | X          | 4   | 5         | 2000<br>1000<br>1000 |
| 3     | Yes or No, did the Contractor submit the first Price Proposal on time?   | YES = 4 poin | ts         |     | •         |                      |
| 4     | Rate the quality of the first Price Proposal   | 1厘           | 3          | 4   | 5         |                      |
| 5     | Rate the quality/timeliness of subsequent Price Proposals  | 1 2          | 3          | 4   | 5         |                      |
| 6     | Enter the number of Price Proposals submitted for this Project   | 6 = 2 points |            |     |           |                      |
| 7     | Rate the quality of the Contractor's Final Package   | 1 2          | 3          | 4   | 5         |                      |
| 8     | Yes or No, did the contractor submit the Final Package on time?  | YES = 5 poin | ts         |     |           |                      |
| 9     | Rate the quality of the Contractor's Construction Schedule   | 1 2          | N.         | 4   | 5         |                      |
| 10    | Rate the quality of Contractor's Communication and Responsiveness  | 1 1          | 3          | 4   | 5         |                      |
| 11    | Rate the Contractor's overall performance during the Project Procurement Process   | 1 2          | X          | 4   | 5         |                      |

Poor=1, Average=2 to 4, 5 = Excellent.

1 - 3 proposal(s) = 5 points

Timeliness

4 proposals = 4 points

Early = 5 points

5 proposals = 3 points

On Time = 4 points

6 proposals = 2 points

Day Late = 3 points

≥7 proposals = 1 point

2-3 Days Late = 2 points

Over 3 Days Late = 1 point

#### Gordian

Comments:

Contractor did submit first proposal and final package on time. However, the revise proposals were late by almost

2 weeks because of subcontractors delays providing the information to the GC.

PD

Comments: ·

独SHOWSES

**Project Director:** 

(Gordian to answer only questions 3, 6, & 8)



#### **TONI PRECKWINKLE**

**PRESIDENT** 

Cook County Board of Commissioners

BRANDON JOHNSON

1st District

DENNIS DEER 2nd District

BILL LOWRY

3rd District

STANLEY MOORE 4th District

DEBORAH SIMS 5th District

DONNNA MILER 6th District

ALMA E. ANAYA 7th District

LUIS ARROYO, Jr. 8th District

PETER N. SILVESTRI 9th District

BRIDGET GAINER 10th District

JOHN P. DALEY

BRIDGET DEGNEN 12th District

LARRY SUFFREDIN
13th District

SCOTT R. BRITTON 14th District

KEVIN B. MORRISON 15th District

JEFFREY R. TOBOLSKI 16th District

> SEAN M. MORRISON 17th District

BUREAU OF ASSET MANAGMENT
DEPARTMENT OF CAPITAL PLANNING AND POLICY

WARRICK GRAHAM, SR. AIA

PROJECT DIRECTOR

69 W. WASHINGTON, SUITE 3000 ● CHICAGO, ILLINOIS 60602 ● (312) 603-0311

May 31, 2019

Mr. Raffi Sarrafian, Chief Procurement Officer Office of the Chief Procurement Officer 118 North Clark Street, 10<sup>th</sup> Floor Chicago, Illinois 60602

SUBJECT: Cook County DOC Division XI Fire Life Safety Upgrades Project Job Order Number .063418.00

Division XI is a maximum-security detention center, located on the Department of Correction Campus at 3015 South California Boulevard, in Chicago, Illinois. The facility is over 630,000 square feet in size and is approximately 25-years old. This project is the replacement of relay switches for the fire & life safety HVAC shut-down sequencing, the relay switched are the components that allows the fire and smoke detection devices to talk to/signal the operation of the HVAC system in emergency situations. This also includes the testing of miscellaneous components of the shut-down system and detection devices for fire and smoke control

The cost proposal as presented has been reviewed by The Gordian Group (the JOC coordinator), STV/HEERY (Consultant Program Managers for DCPP) and me. The prices are fixed prices and/or direct purchased prices under the JOC program; the quantities have been reviewed & verified by the Gordian Group for the pre-established pricing; the final collective package for pricing of Three Hundred Fifty Six Thousand, Two Hundred Sixteen Dollars and Twenty Eight Cents (\$356,216.28) is found to be fair and reasonable.

If you have any questions regarding this issue, you may contact me at 312/603-0311 and/or email: warrick.graham@cookcountyil.gov.

Sincerely:

Warrick Graha

, Sr., AlA

Project Directo

CC: E. Manning

E. Davis

S. Lfoyd

D. Theising STV/H

J. Folliard STV/H

F. Banks TGG

S. Suarez, TGG



Cook County
Department of Planning & Policy
69 W Washington
Chicago, IL 60602

Job Order Contract

Cook County Department of Capital Planning & Policy

Contractor:

Sharlen Electric Company

Work Order Number:

063418.00

Date: 20 May 2019

Work Order Title:

Cook County DOC Division XI Fire Life Safety Upgrades

|   | Detailed Scope             | ef Work               |                       |                      |  |
|---|----------------------------|-----------------------|-----------------------|----------------------|--|
| Project Scope Status:   | ☐ Preliminary              | Revised               | 🗶 Final               |                      |  |
|   |                            |                       | 02/26/2019            |                      |  |
| Following is the scope of work for the above Project N considered part of this scope of work. | lumber. All requirements r | necessary to accompli | sh the work tasks set | forth below chall be |  |

#### General Scope/Requirements

- All work to follow Edwards Systems Technologies standards and requirements for their fire alarm system
  installation and programming, as well as generally accepted industry standards and codes.
- See detail below for fan shutdown scope.
- All work is in a secure correctional environment and must be phased and scheduled through owner and users.
- All fire alarm related work in Division XI is to be by an Edwards Systems Technologies certified electrical contractor.
- All work to follow DOC work guidelines for contractors.
- All questions to be resolved by DCPP.
- A detailed work schedule with area phasing and crew details is to be submitted for review prior to notice to proceed.
- All field work is to be completed, scheduled, and managed by the electrical contractor.
- Subcontracts to third parties shall be under the electrical contractor.
- The contractor is to work with and coordinate all elevator recall work with the user and the elevator maintenance subcontractor as it relates to the fire alarm system programming and device tie-in.

#### Miscellaneous Issues

- The Electrical Contractor to lead review of existing trouble alarms and call buttons that are not working properly. The Electrical Contractor will discuss with the Owner the best way to proceed to fix these issues, if any, until the new system is fully functional.
- The Project Team will complete an inspection to verify no other work is missing prior to requesting inspection by the AHJ.
- O The Electrical Contractor is responsible to deliver a complete and properly functioning fire alarm system.
- O The Owner/User is to address and conduct testing of the fire dampers including controls. The Electrical Contractor is responsible to verify fire alarm notification devices or relays, etc. are provided such that the fire damper control panels can function correctly upon initiation of a signal by the fire alarm system for each fan system.
- Retest and Recertify Devices in Div XI
  - Existing devices need to be retested and recertified.
  - Provide New Testing Report per NFPA 72.
- HVAC Fan Shutdown / Duct Detectors (Typical of 4 PODS & Core + Smoke Exhaust Fans)
  - Provide and tie in new relays and relay boxes.
  - O Provide fan shutdown sequencing, programming, and communication with BAS.
  - Includes Johnson Control's Scope.

#### Detailed Scope of work Report Continues

Work Order Number:

063418.00

Work Order Title:

Cook County DOC Division XI Fire Life Safety Upgrades

- Check that the contact closure from the new fire alarm panel initiates the smoke control sequences for each of the fans and that the sequence is operating properly.
- Generate a discrepancy list that highlights the problem causing the malfunction (if any malfunctions exist).
- Does not include the cost to replace any faulty equipment or complements (i.e. faulty VFD).
- Includes the fire alarm material provider scope for missing fan shutdown / duct detectors.
  - Relay Cabinets will be installed in each of 4 PODS A. B. C & D & Core as needed.
  - 150 SIGA-MCR Control Relay Modules UIO Mount.
  - 26 SIGA-UIO6 Universal Input/output Module Motherboard 6 Position.
  - 26 MFC-A Fire Control Accessory, Multi-Function Enclosure.
  - 6 3-SSDC1 Single Signature Driver Controller.
- o All Conduit, wire, and landing of devices included by Broadway Electric.
- Fire Damper Controls, Relay Panel Tie-Ins, and Programming with BAS (Core)
  - Provide and tie in new relays and relay boxes.
  - Provide any code required fan shutdown sequencing, programming, and communication with BAS.
  - Test fire damper functions (no replacement of faulty parts or NFPA-13 testing included by Contractor)
- Replace Flow and Tamper Switches Janitor Room 180
  - Provide new devices, wiring, programming and testing per NFPA-72.
- Elevator Recall Tie-In
  - The Owner is to contract the Elevator Maintenance Contractor directly for the elevator specific work.
  - DFM to coordinate connection tie-ins, recall programming, and testing.
  - All work from the FACP to the Elevator Controller is complete.
  - Verify that all fire alarm system work is complete any missing work will be completed by the Electrical Contractor. The team will witness the final testing & operations of the recall system
  - Electrical Contractor to coordinate final elevator recall fire alarm testing with the Elevator Maintenance Contractor.
- Items not Included in DSOW or Base Contact
  - Changing of room name programming in the new FACP.
  - Elevator control panel programming.

#### **Brief Scope of Work:**

Provide Electrical Contracting to complete the new relay switches for the HVAC shutdown system and the sequence programming for the fan shutdown, plus testing all fire alarm devices, all to be compatible with the new EST-3 fire alarm system. Work includes the core and pod areas of the facility.

#### Specific Submittals Required:

Sketches and Drawings:

Material Submittals:

#### Scheduling Requirements:

Price Proposal Due Date:

03/07/2019

Estimated Construction Start:

07/19/19

**Estimated Construction Completion:** 

01/28/20

Special Conditions:

Liquidated Damages will not apply

#### Special Instructions:

#### **Detailed Scope of work Report Continues**

Work Order Number:

063418.00

Work Order Title:

Cook County DOC Division XI Fire Life Safety Upgrades

Comments:

Estimated Project Duration:

6 Months

County Project Director

II E

Sharlen Electric Company

05/24/19

Date:

\* To be signed by Contractor if Final Scope of Work

| Proposed Date:    Company Colors   Colo |   |  |   |  | WILLIAM THAT I WAS TO SEE THAT |  |  |   |
|--|---|--|---|--|--|--|--|---|
|  |   | •  | *   |  | li   |  |  |   |
| Comp. For Tributo. For Principles Principle  Comp. For Tributo. Fo |   | External Mikstone     Deadline   | Start-only  | @schammannend∯ (checkive Sattiffery<br>demonstrations (nanch) Tark   |  |  | CONTRACTOR AND ADDRESS OF THE PARTY OF THE P | Project Toleston XI Fire Stately Critical Spilit Cont. Tue State(0) |
| Comp. For Tributo. To tributo ben tributo.  Comp. For Tributo. To tributo. To tributo.  Comp. For Tributo. To tributo. To tributo.  Comp. For Tributo. To tributo. To tributo.  Comp. For Tributo.  Co | PARRYTHAN AND AND AND AND AND AND AND AND AND A     | HERE THE PROPERTY AND  | A SARAH A TARAK A A MANAMATAN MANAMATAN A | The confession and the confessio |  |  |  |   |
| Comp. Fol 170700 To 1711010 Col 170700  Comp. Fol 170700 To 1711010 Col 170700 Col 170700  Comp. Fol 170700 To 1711010 Col 170700 Col 170700  Comp. Fol 170700 To 170700 To 170700 To 170700  Comp. Fol 170700 To 170700 To 170700 To 170700 To 170700  Comp. Fol 170700 To 170700 To 170700 To 170700 To 170700  Comp. Fol 170700 To 170700 To 170700 To 170700 To 170700  Comp. Fol 170700 To 170700 To 170700 To 170700 To 170700  Comp. Fol 170700 To 170700 To 170700 To 170700 To 170700  Comp. Fol 17 | Paras Cappitaleon                                   | n n n n n n n n n n n n n n n n n n n  |   |  | منيزه ومعومه   | ريند ۽ دائو العبد  |  |   |
| Comp. For Princip. To Principle of Princip.  Comp. For Princip. To Princip. To Princip. Tribing.  Comp. To To Princip. To Princip. Tr |   |  | ,   |  |  |  |  | The Commence  |
| Comp. Fol 1717/10 to 1 | Glossof & Occuments                                 |  |   | <del></del>  |  |  | The trained Men (letter Tue Verter)  | Cipesof Contents  |
| Comp. Fol 2710010 Tel 2711010 Fol 2710010  Comp. Fol 2710010 Tel 2711010 Fol 2710010  Comp. Fol 2710010 Tel 2711010 Fol 271101010  Comp. Fol 2711010 Fol 2711010  Comp. Fol 2711010 Fol 2711010  Comp. Fol 271 | Closecur  |  | · · · · · · · · · · · · · · · · · · ·   | ·  |  |  | Tue 172420 Roog (EEEE  | Cion pare   |
| Comp. Fol 27/2002 To 17/2002 Control of the 27/2002 Control of the 2 | First Change L Paryothics                           |  |   | ب داروست   |  |  | MON 1/27/20  | First Cleanup / Comobility  |
| Comp. For Tributo. He principle princip.  Comp. For Tributo. He princip. He princip.  Comp. For Tributo. He princip.  Comp. For Tribut | Page La   |  |   | W45 # 10 10 10 10 10 10 10 10 10 10 10 10 10   |  |  |  | Purch Lat   |
| Comp. For Tribute. To Tribute the Tribute to Comp. For Tribute to  | Princh Last / Chairsup / Darpobiliza                |  | A   | plikoverno primo prim  |  |  | 744 WH   | Punch Lift / Chensip / Dannigitos                                   |
| Comp. 61 770705 14 771010 64 771070  Comp. 60 7710705 14 771010 64 771010  Comp. 60 7710705 14 771010  Comp. 60 7710705 14 771010  Comp. 60 7710705 14 7710705 14 7710070  Comp. 60 7710705 14 7710705 14 7710705  Comp. 60 7710705 14 7710705  Comp. 60 7710705 14 7710705  Comp. 60 7 | thu be transmit (Comptedition                       |  | **************************************  | ni <sub>d</sub> unity 6, als   |  |  | Non HZQZD  | Substantile Completion  |
| Comp. 64 770200 (14 771010) (14 771010)  Comp. 64 770200 (14 771010) (14 771010)  Comp. 64 770200 (14 771010) (14 771010) (14 771010)  Comp. 64 770200 (14 77100) (14 771010) (14 771010)  Comp. 64 770200 (14 77100) (14 771010) (14 771010)  Comp. 64 771010) (14 771010) (14 771010) (14 771010)  Comp. 64 771010) (14 771010) (14 771010) (14 771010)  Comp. 64 771010) (14 771010) (14 771010) (14 771010)  Comp. 64 771010) (14 771010) (14 771010) (14 771010)  Comp. 64 771010) (14 771010) (14 771010) (14 771010)  Comp. 64 771010) (14 771010) (14 771010) (14 771010)  Comp. 64 771010) (14 771010) (14 771010) (14 771010)  Comp. 64 771010) (14 771010) (14 771010) (14 771010)  Comp. 64 771010) (14 771010) (14 771010) (14 771010)  Comp. 64 771010) (14 771010) (14 771010) (14 771010)  Comp. 64 77100) (14 77100) (14 771010)  Comp. 64 |   |  |   | Commissional Tresitors   |  |  |  | Commutating his often   |
| Comp. 64 770000 14 771000 64 771000 6 7710000 6 771000 6 771000 6 77100000 6 77100 | one<br>rearries fundamentally                       | opposite statement of the statement of t |   | the share through the share th |  |  |  | Commissioning (370 contess  |
| Comp. Following we will be in the Tribute Comp. Following we will be in  |   |  |   | ng new live alders devices and interdices  | Tauts  |  |  | Telebing hear life death standage and functions                     |
| Comp. 64 770000 164 7710000 164 7710000 164 771000 164 771000 164 771000 164 771000 164 771000 164 771000 164 771000 164 771000 164 771000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 77100000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 77100000 164 77100000 164 77100000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 7710000 164 77100000 164 7710000 164 77 |   | end franciscopy<br>consuscopy  | Tayong page SA2 cond  |  |  |  | 15 days Tue 13/12/19, West 12/0/12/1 se 11/13/19   | Yeshing new BAS conduct tunctions                                   |
| Comp. 64 77220 CH 77110 CH 771070  Comp. 64 77220 CH 77110 CH 771070  Comp. 64 77220 CH 77110 CH 771070  Comp. 64 77200 CH 771010 CH 771070  Comp. 64 77200 CH 771070  Comp. 6 |   |  |   | elected, withing, and programments   | - <u>-                                  </u>   |  | 15<br>04<br>15   | Solution the count grand was great made                             |
| Comp. 64 770200 16 771010 06 771070  Comp. 64 770200 16 771070  Comp. 64 770200  Comp. 64 770 |   |  | CHIEF COLLEGE TO THE | WINDHAM AND SECURE OF THE CONTROL OF | MANUAL CONTROL OF THE PROPERTY AND THE P | reach, a gran, or sea to a se  | en en energie  | and enthings and the signs topic to GAS on the signs to GAS to GAS  |
| Design of Private of the Private of Private  | ra una granda                                       |  |   |  |  |  | Order Ban employed what in this lies harden  | CAS contrate installation, programming.                             |
| Comp. Sel 27/20/20 - Sel 27/20/20 Sel 27/20/20  Comp. Sel 27/20/20 - Sel 27/20/20 Sel 27/20/20  Comp. Sel 27/20/20 - Sel 27/20/20/20/20/20/20/20/20/20/20/20/20/20/  |   |  |   | and the same of th | React Fin Agen buyers  |  | BON WYDUTE   | Retuck File Alarm Dovings   |
| Down of Princip of Princip of Princips  Down of Princip of Princips  The Princips of Princips  The Princips of Princips  The Princips of Princips of Princips  The Princips of Princips of Princips  The Princips of |   | ale man and  | Constanting (Cardia)  |  |  |  | 45-18-LID HOUSE  | Sommeton (Ch-Sia)   |
| Comp. 64 270000 WE WIND DE TRIPTO  Comp. 64 27000 WE WIND DE TRIPTO  Comp. 64 270000 WE WIND DE TRIPTO  Comp. 64 270000 WE WIND DE TRIPTO  Comp. 64 270000 WE WIND DE TRIPTO  Comp. 64 27000 WE WIND | Plant A Na Na Na                                    |  | 11 11 <b>3 13</b>   |  | Wide Code Time   | A CONTRACTOR OF THE CONTRACTOR | HOW MESTS  | Materials Land View   |
| Composition of the second sections of the second section section section sections of the second section section section sections of the section section section section sections section s | in lydina, pylatin mai                              | ne e selekuma k  |   | ar processor as an   | T applicate of white property of the property  | Permi  | Megr 252.3113  | Pharty approved   |
| Composition of the second contracts  Composition | manda at ang a 18 a 1 |  | *******   | **************************************   |  | Period Aggington   | t doji Sil 7710/Naji Es 7/10/10/19/17/20/10  | Permit Application  |
| Desperation of the property of | **************************************              | ma ja ja panjaranga  |   | e e e e e e e e e e e e e e e e e e e  |  | Compositactor - Quies All Atas   |  | Subservinger Order All Mithenson                                    |
| Desp. Fallings of Highlight Prints   | , v. n. 2000, u                                     | , de personne, e 1994  |   | **************************************   | Annual y May i Dryan Rulesta   | Scotnitte A  | Fa ZHRATO  | Submited Approved / disappresse Relations                           |
| 24 cop 64 27/8/18 Pe 10/10/10 Bet 27/8/20  Copp, 64 7/20/20 Pe 17/20/20  Copper 54 7/20/20 Pe 17/20/20 Pe 17/20/20  Copper 54 7/20/20 Pe 17/20/20  Copper 54 7/20/20 Pe 17/20/20  Copper 54 7/20/20 Pe 17/20/20/20  Copper 54 7/20/20 Pe 17/20/20  Copper 54 7/20/20  Copper 54 7/20/20 Pe 17/20/20  Copp |   |  | the department  | Wedge (File Appl) (C. W. 197   |  | Works to F   | STUTTE H   | Nones to Presented  |
| Dasses of Francis of Private of the  |   |  |   | Third in a second  | COOR MANAGING  | · • Franconstru  | Fel tripps   | Pro Countration Soming  |
| Fig. 20 and a second se |   |  | No. 10 1 10   |  | Chassa Cindar  | Dacolve Pu   |  | Ringelies Publinia Clubs  |
|  |   |  | , ununu   | 7 <b>9</b> 1/2004, 1007 1008 100   | Departmention  |  | Pol 7719/19  | Pe-Construction   |
|  |   | a nyangaya   | 1   |  |  | 1  |  | Prior away updates  |

| 21 days Fri Triskis Fri Nickis Fr | External Milestone   | •   | Milestone               |  |   |              | 3  |  |                      |
|--|--|---|-------------------------|--|---|--------------|--|--|----------------------|
| Contractation (Co. Control A.) Mississis (Co. Co |  |   | Baseline Milestone      | SECURITY OF STREET   | NEWSTRANSFARMENT                        |              | ] Task   |  |                      |
| Fre-Controlled Codes (Codes) (1979) Codes (Codes) ( | Project Summary  |   | Baseline Split          | SOCIETATION CONTRACTOR   | gentest from the same of                | ress<br>ress | Critical Prog  | Nision XI Fire Safety  | -100<br>-110<br>-110 |
| PacContriction   12 days   Fri 17419   The 127214   Fri 17419      | Summary  |   | Baseline                | 4472   | 13474111                                |              | Critical Split   |  |                      |
| Particular Cook Coverily DOC Division XI. 124 december 194176176  Real Les Safety Departies  Real Les Safety Departies  Real Constitution  Real Co | Summary Progress account to the  | CONTRACTOR | Table Discourse         | THE PERSON NAMED IN COLUMN NAM |   |              | A Comment of the Comm | And the second s |                      |
| Part 1887   Part 1 |  |   | 1,28/20                 |  |   | 1            | A  | Final Completion   | Ä.                   |
| Receive Frontiers (Code Country (FOC Division XI.) 124 days (Fri 1794) is 64 874419  PRECENTATION (CODE CODE CODE CODE CODE CODE CODE CODE   |  |   | 0.000                   |  |   | ū            | Reids  | Closeou Docum  | *                    |
| Pre-Construction  Reacher Proposed  Reacher Proposed  Reacher Proposed  Reacher Proposed  Reacher Proposed  O days Fr 77/97/9 Fr 77/ |  |   |                         |  | ,                                       |              |  | Closout  |                      |
| Pre-Constitution XI 122 days Fr 7/19/16 Fr 10/19/16 Fre-Constitution Fre-C |  |   | 1/27/20                 | 21/20 Mon  | •                                       |              |  | _  | _                    |
| PRECONSTRUCTION  Reaches Purchase Cortex  Pro-Construction  Reaches Purchase Cortex  O days Fr/7/6/16 Fr |  |   | 1/27/20                 | - 3  | *************************************** |              | Demobilize   | Final Cleanup / I  | N)                   |
| Receive Purchase Order  Receiv |  |   | SHEET STATES            | ,  |   | 4            | 7  | Punch List   |                      |
| Perconstruction   121 days   Per 7/19/19   Per 1/19/19   Perconstruction   Percons   |  |   | 71120                   | 3  |   | 50           | up / Demobilize  | Punch List / Clean   | _                    |
| Per-Construction  21 days: Fri 77/9/19 Fri 97/9/19  Pro-Construction  21 days: Fri 77/9/19 Fri 97/9/19  Pro-Construction  22 days: Fri 77/9/19 Fri 97/9/19  Pro-Construction Meeting  D days: Fri 77/9/19 Fri 77/9/19  Pro-Construction Meeting  D days: Fri 77/9/19 Fri 77/9/19  Pro-Construction Meeting  D days: Fri 77/9/19 Fri 77/9/19  Subcontract Order At Meetings  Subcontract Order At Meetings  Subcontract Order At Meetings  Pro-Construction (On-9/9)  Permit approval  Permit ap |  |   |                         | ,  |   |              | panon  | Substantia Con   |                      |
| Per-Construction  22 days Pri 719/19 Pre-Construction  21 days Pri 719/19 Pre-Construction  22 days Pri 719/19 Pre-Construction  23 days Pri 719/19 Pri 719/19 Pri 719/19 Pri 719/19 Pri 719/19 Pri-Construction Meeding  24 days Pri 719/19 Pri-Construction Meeding  25 days Pri 719/19 Pri 719/19 Pri 719/19 Pri 719/19 Pri-Construction Meeding  26 days Pri 719/19 Pri 719/19 Pri 719/19 Pri 719/19 Pri 719/19 Pri-Construction Meeding  27 days Pri 719/19 Pr |  |   | 20/20                   | - 5  | ys Mon 1/2                              | 0 0          | alation.   | And the second s | <u> </u>             |
| Fest Application  Receipt Department  Receipt  |  |   | (14/19)                 | V19 Mon 10   | }                                       | 15 dz        | ire atam   | Commissioning 8  | -                    |
| Perconstruction  Receive Purchase Order  Receive Purch |  | **************************************  | Existence of the second | Noise Str  |   | 9<br>8       | JAS controls   | Commissioning B  |                      |
| Receive Purchase Order  Receiv |  | · · · · · · · · · · · · · · · · · · ·   |                         | 1  | 1                                       |              | Rem devices and  | Testing new fire a functions   |                      |
| Reserve (Logardes Country DOC Division XI. 122 days Fri 7/19/19 Fri 1/19/19 Fri 1/19/19/19 Fri 1/19/19/19 Fri 1/19/19/19 Fri 1/19/19/19/19/19/19/19/19/19/19/19/19/19  |  |   | 23/19                   |  | ı                                       |              | And the state of t | The state of the s |                      |
| Fig. 7/19/19  Pre-Construction  Receive Purplase Order  Pre-Construction  Receive Purplase Order  Rece |  |   | 94719                   | - 1  | ys Tue 11/12                            |              | control functions  | Testing new BAS  | +                    |
| Fig. Lie Safety Upgrades Fig. 12 days Fig. 7/19/19 Fig. 7 |  | le agriphism à form   | 6718                    | /19 Mon 9/1  | į                                       | ~~~~~        | rm devices, witing, e  | install new fire also<br>programming   |                      |
| Test Name   | inctall later life   |   |                         | Mon 1 20   |   |              | ikation, programming<br>fire glerm input to 84<br>contineiton  | BAS controls insta<br>and drowings and<br>controller wiring co   |                      |
| First Name  Fig. 12. Cook County DOC Division XI. 132 days  Fig. 7719/19  Fig. 128 safety Upgrades  Fig. 2719/19   | <b>€</b> -¬  |   | 53                      | 19 19 00   |   | † !          | Devices  | Retest Fire Alarm (  | $\overline{}$        |
| Fig. 1, 100 Cook County DOC Division XI 122 days Fri 7/19/19 Fri 8/19/19  Fig. 1, 100 Safety Upgrades  Fig. 1, 100 Safety Upgrades  Fig. 1, 100 Safety Upgrades  Fig. 2, 100 Safety Upgrades  Fig. 7/19/19  Fig. 7/1 | ŝ  |   | )<br>)                  |  | ١.                                      | 100          | 8  | Construction (On-Sit   |                      |
| First Name  Fig. 1.16 Safety Upgrades  Fig. 1.16 |  |   | BZ20                    | 3  | •                                       | 7            | 0  | Materials Load 1ma   |                      |
| First Name  Figuration Cook County DOC Division XI 122 days Fri 7/19/19 The 1/28/20  Fire-Construction Receive Purchase Order  Receive Purchase Order  O days Fri 7/19/19 Fri 7/19/19  Pro-Construction Meeting O days Fri 7/19/19 Fri 7/19/19  Notice to Process  Submittal Approval / Equipment Release O days Fri 7/19/19 Fri 7/19/19  Submittal Application  Permit Application  Permit Application  1 days Fri 7/19/19 Fri 7/19/19  Permit Application  | Lead Time  | Materials   | 9                       |  | 1                                       | 2D days      | The state of the s | A STATE OF THE STA |                      |
| Fig. 1.18 Safety Upgrades  Fig. 1.18 Safety Upgr | AND ADDRESS OF THE PARTY OF THE | Pentit appr   | 75                      | 1  |   | 15 days      |  | Pornit approved  |                      |
| Tisk Name  Total 120 - Cook County DOC Division XI 122 days: Fri 7/19/19 The 1/29/20  Fig. Life Safety Upgrades  Fig. Life Safety Upgrades  Fig. Construction  Odays: Fri 7/19/19 Fri 3/19/19 Fri 7/19/19  Pro-Construction Meeting  Odays: Fri 7/19/19 Fri 7/19/19  Pro-Construction Meeting  Odays: Fri 7/19/19 Fri 7/19/19  Notice to Proceed  Notice to Proceed  Submittal Approval / Equipment Rulesso Odays Fri 7/19/19 Fri 7/19/19  Subcontractor - Odar All Material Approval - Contractor - Odar All Material - Contractor - Contractor - Odar All Material - Contractor - Cont | Out.   | 5   |                         |  |   | 1 day        | ***************************************  | Permit Application   |                      |
| Fig. 1.18 Safety Upgrades  Fig. 7.18 Safety Upgr |  |   |                         |  | 1                                       | 1 day        | er All Materials   | Subcaniración - Ordi   |                      |
| Task Name  Total Name  Fra 7/19/19  Fra 1/19/19  Fra Life Safety Upgrades  Fra Construction  Pra-Construction  Accounty DOC Division XI 122 days  Fra 7/19/19  Fra Construction  O days  Fra 7/19/19  | All J. Calendarios   | Submittal Ap  |                         | 1  |   |              | Equipment Release  | Submittel Approval /   |                      |
| Tisk Name  Took County DOC Division XI 132 days Fri 7/19/19 The 1/28/20  Fige Life Safety Upgrades  Pre-Construction  21 days Fri 7/19/19 Fri 3/19/19  Receive Purchase Order  O days Fri 7/19/19 Fri 7/19/19  Pre-Construction Meeting  O days Fri 7/19/19  Pre-Construction Meeting  | Reikuse  |   |                         | }  | TH MAN                                  | e days.      |  | Notice to Proceed  |                      |
| Tisk Name  Tisk Name  Object County DOC Division XI 122 days: Fri 7/19/19; The 1/28/20  Pre-Construction  Pre-Construction  21 days: Fri 7/19/19; Fri 7/19/19  Receive Purchase Order  O days: Fri 7/19/19; Fri 7/19/19  Receive Purchase Order  O days: Fri 7/19/19; Fri 7/19/19  Pre-Construction  | and some some  | 5   |                         | 1  |   |              | Gothe  | Pro-Construction Mee   |                      |
| Tesk Name  Tesk Name  Fin 7/19/19 Tue 1/28/20  Fine Life Safety Upgrades  Fin 2/19/19 Fin 8/19/19  Pre-Construction  1 days Fin 7/19/19 Fin 8/19/19  | Moeting  | Pro-Construction  | <u>.</u>                | 1  | Fi 7/19/19                              | 1            | ger  | Receive Purchase Or  |                      |
| Tesk Name  Tesk Name  GESHE.00 - Cook County DOC Division XI 122 days Fri 7/19/19 Tue 1/28/20  Fige Life Safety Upgrades  27 days Fri 7/19/19 Fri 8/16/19  | order  | A Receive Purchase  |                         | F6 7/19/1  | Fr 7/19/19                              | i            |  | Pre-Construction   |                      |
| Tissk varies  1652413,00 Cook County DOC Division XI 122 days: Fri 7/19/19 Tue 1/28/Z0  1652413,00 Cook County DOC Division XI 122 days: Fri 7/19/19 Tue 1/28/Z0  1652413,00 Cook County DOC Division XI 122 days: Fri 7/19/19 Tue 1/28/Z0   | Caron  | Pre-Constru   |                         | Fri 8/16/19  | Fr 7/19/19                              | 1            |  | A STATE OF THE STA |                      |
| į  |  |   |                         | Tue 1/28/20  |   |              |  | 3418.00 - Gook County Do   |                      |

#### **Job Order Contract**

#### **APPROVED** - Price Proposal Summary - CSI

Date:

May 20, 2019

Contract Number:

1555-14475-EC8

Job Order Number:

063418.00

Job Order Title:

Cook County DOC Division XI Fire Life Safety Upgrades

Contractor:

Sharlen Electric Company

Proposal Value:

\$356,216.28

Proposal Name:

Cook County DOC Division XI Fire & Life Safety Upgrade

| 01 - General Requirements:                              | \$286,343.85 |
|---|--------------|
| 05 - Metals:  | \$602.63     |
| 23 - Heating, Ventilating, And Air-Conditioning (HVAC): | \$18,226.31  |
| 26 - Electrical:  | \$4,910.40   |
| 28 - Electronic Safety And Security:                    | \$46,134.08  |
| Proposal Total  | \$356,216.28 |

This proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

The Percent of NPP on this Proposal:

4.29%

County Project Director

Dete

Brian Mills, Brian Mills

05/24/19

Date

#### **Job Order Contract**

#### APPROVED - Price Proposal Detail - CSI

Date:

May 20, 2019

Contract Number:

1555-14475-EC8

Job Order Number:

063418.00

Job Order Title:

Cook County DOC Division XI Fire Life Safety Upgrades

Contractor:

Sharlen Electric Company

Proposal Value:

\$356,216.28

Proposal Name:

Cook County DOC Division XI Fire & Life Safety Upgrade

Adjustment Factor(s) Used:

0.9000-Normal Working Hours, 1.0000-No Adjustment

| Rec#   | CSI Number        | Mod.       | UOM                                 | Description   |   |   |  | Line Tota                       |
|--------|-------------------|------------|-------------------------------------|---|---|---|--|---------------------------------|
| 01 - 0 | General Requiren  | ients      |                                     |   |   |   |  |                                 |
| 1      | 01 22 20 00 0010  |            | HR                                  | ElectricianFor tasks no<br>directed by owner only   | ot included in the Consti                                 | ruction Task Ca                             | talog® and as                                | \$9,102.9                       |
|        |                   |            |                                     | Quantity  | Unit Price  |   | Factor                                       | Total                           |
|        |                   |            | Installation                        | 121.00  | x \$83.59   | x   | 0.9000 =                                     | <b>\$</b> 9,1 <b>02.95</b>      |
| Categ  | ory1: No Categor  |            | CONSULTIN                           | G/ENGINEERING 5.5   | OURS PER WEEK X   | 22 WEEKS = 12                               | 1 HOURS.                                     |                                 |
| 2      | 01 22 20 00 0010  |            | HR                                  | ElectricianFor tasks no<br>directed by owner only   | ot included in the Consti                                 | ruction Task Ca                             | talog® and as                                | \$12,036.9                      |
|        |                   |            |                                     | Quantity  | Unit Price  |   | Factor                                       | Total                           |
|        |                   |            | Installation                        | 160.00  | x \$83.59   | x   | 0.9000 =                                     | \$12,036.96                     |
| Categ  | ory1: No Category |            | WIRING REL                          | AYS TO JOHNSON CO   | ONTROLS INTERFACE   | . 160 HOURS (                               | 4 PERSONS 40 H                               | OURS EACH).                     |
| 3      | 01 22 20 00 0010  |            | HR                                  | ElectricianFor tasks no<br>directed by owner only   | t included in the Constr                                  | ruction Task Ca                             | talog® and as                                | \$50,555.2                      |
|        |                   |            |                                     | Quantity  | Unit Price  |   | Factor                                       | Total                           |
|        |                   |            | Installation                        | 672.00  | x \$83.59   | x   | 0.9000 =                                     | \$50,555.23                     |
| Categ  | ory1: No Category | / Input    | ALARM DEV<br>672<br>HR              | ICES AND INTERFACE  |   |   |  | 224 + 320 + 128 =<br>\$71,240.8 |
| •      | 0. 22 20 00 0020  |            | 700                                 | and as directed by own  | r tasks not included in t<br>ner only.                    | ue Coustraction                             | rask Cataloge                                | \$7.3,£40.00                    |
|        |                   |            |                                     | Quantity  | Unit Price  |   | Factor                                       | Total                           |
|        |                   |            | Installation                        | 927.00  | x \$85.39   | x   | 0.9000 =                                     | \$71,240.88                     |
| Categ  | ory1: No Category |            | DRAWINGS,<br>CONTROLS<br>FIRE ALARM | OWN CONTROLS PRO<br>SMOKE CONTROL SE<br>INSTALLATION (FOR I<br>SYSTEM. 16 HOURS<br>IATIC CONTROLS. 16 | QUENCE PROGRAMMIPP ITEMS) AND COO<br>PER FAN, 32 FANS; 2. | MING, DAMPER<br>RDINATE INPU<br>5 HOURS PER | R SEQUENCING,<br>JT WIRING TO BAMPER, 150 D. | PNEUMATIC<br>AS CONTROL FROM    |
| 5      | 01 91 13 00 0004  |            | HR                                  | Commissioning - HVA   | C/Mechanical Systems                                      |   |  | \$76,563.04                     |
|        |                   |            |                                     | Quantity  | Unit Price  |   | Factor                                       | Total                           |
|        |                   |            | Installation                        | 446.00  | x \$190.74  | x   | 0.9000 =                                     | \$76,563.04                     |
|        |                   | User Note: | JOHNSON C                           | ONTROLS TECHNICIA   | N TESTING AND COM   | IMISSIONING P                               | AN SHUTDOWN                                  | OPERATIONS, 8                   |

Job Order Number: 063418.00

Job Order Title:

| 04 - Oamanut Direct  | Mod.                              | UOM   | Description  |                                    |  |  |   | Line T   |
|--|-----------------------------------|---|--|------------------------------------|--|--|---|--|
| 01 - General Requirem  | ents                              |   | a de la compansión   |                                    |  | ere wê re <del>zde elê</del> te            |   | de la Salanda de la Salanda de la Companya de la Co |
| 6 01 91 13 00 0004   |                                   | HR  | Commissioning - H  | VAC/Mech                           | anicai Systems   |  |   | \$25,92  |
| •  |                                   |   | Quantity   |                                    | Unit Price   |  | Factor  | Total  |
|  |                                   | Installation                                      | 151.00   | x                                  | \$190.74   | x  | 0.9000 =  | \$25,921.57  |
|  |                                   | COMMISSIO   | AN SHUTDOWN COI<br>DNING. 2 HOURS PE<br>2 HOURS. 32 X 2 = 1  | ER FAN, 32                         | 2 FANS; 1/2 HOL  | IR PER DAM                                 | PER, 150 DA   | T & DURING FINAL<br>MPERS; CELL TOILET   |
| ategory1: No Category  | / input                           |   |  |                                    |  |  | <del> </del>  |  |
| 7 01 91 13 00 0005   |                                   | HR  | Commissioning - El   | lectrical/Fir                      |  | y Systems                                  |   | \$8,42   |
|  |                                   | 14-11-41  | Quantity   |                                    | Unit Price   |  | Factor  | Total  |
|  |                                   | Installation                                      | 56.00  | X                                  | \$167.17   | = :  | 0.9000 =  | \$8,425.37   |
|  |                                   | COMMISSIO   | RE ALARM COMMIS<br>DNING. RETEST AND<br>IS - 36. 20 + 36 = 56  |                                    |  |  |   | DURING FINAL<br>SSION NEW DEVICES AND  |
| 8 01 91 13 00 0005   | / Input                           |   | 0  |                                    |  |  |   |  |
| 8 01 91 13 00 0005   |                                   | HR  | Commissioning - El   | ecifical/Fil                       | re Alarms/Securit  | y cysiems                                  | Factor  | \$32,49°   |
|  |                                   | Installation                                      | Quantity   |                                    |  | •  | Factor  | Total  |
|  |                                   |   | 216.00   | X                                  | \$167.17   |  | 0.9000 =  | \$32,497.85<br>PROGRAMMING, TESTING,   |
| ategory1: No Category  |                                   |   |  |                                    |  |  |   | OURS. 80 + 136 = 216   |
| ubtotal for 01 - Gener   | ai Regulren                       | nents:  |  |                                    |  |  |   | \$286,343  |
| )5 - Metals  |                                   | والمساورة والمساورة والمساورة والمساورة والمساورة |  |                                    |  | Dan Harring                                |   |  |
| 9 05 05 19 00 0144   |                                   | EA  | 1/4" Bolt Diameter,  | Zinc Plate                         | d Steel, Multi-Set   | Drop-In Anci                               | 10r   | \$416  |
|  |                                   |   | Quantity   |                                    | Unit Price   |  | Factor  | Total  |
|  |                                   | Installation                                      | 36.00  | х                                  | \$12.83  | x  | 0.9000 =  | \$415.69   |
|  | User Note:                        | ONE REQUI   | RED PER 1-1/2" COI   | NDUIT CLI                          | P (MINERALLAC  | C 3B) 36 X 1 =                             | = 36  |  |
|  | r input                           |   |  |                                    |  |  |   |  |
|  | <del></del>                       | <del></del>                                       |  |                                    |  |  |   |  |
| alegory1: No Category<br>10 05 05 19 00 0144   | 0167                              | EA  | For >10 To 50, Ded   | uct                                |  |  |   | -\$20  |
|  | <del></del>                       |   | For >10 To 50, Ded<br>Quantity   | uct                                | Unit Price   |  | Factor  | Total  |
| 10 05 05 19 00 0144  | 0167                              | EA<br>Installation                                |  | uct                                | Unit Price<br>\$-0.62  | x  | Factor<br>0.9000 =                                      |  |
| 10 05 05 19 00 0144  | 0167                              |   | Quantity   |                                    | •  | x  |   | Total  |
| 10 05 05 19 00 0144  | 0167                              |   | Quantity   | x                                  | \$-0.62  |  | 0.9000 =  | Total  |
| 10 05 05 19 00 0144  | 0167                              | Installation                                      | Quantity<br>36.00  | x                                  | \$-0.62  |  | 0.9000 =  | Total<br>\$-20.09  |
| 10 05 05 19 00 0144<br>ategory1: No Category   | 0167                              | Installation                                      | Quantity<br>36.00<br>1/4" Diameter, Zinc   | x                                  | \$-0.62<br>sel, Low Carbon 1   | Inreaded Roc                               | 0.9000 =  | Total<br>\$-20.09<br>\$175   |
| 10 05 05 19 00 0144<br>ategory1: No Category   | 0167                              | Installation  LF  Installation                    | Quantity<br>36.00<br>1/4" Diameter, Zinc<br>Quantity   | x<br>Plated Ste                    | \$-0.62<br>sel, Low Carbon 1<br>Unit Price<br>\$1.81   | Threaded Roc                               | 0.9000 = Factor 0,9000 =                                | Total<br>\$-20.09<br>\$178<br>Total  |
| 10 05 05 19 00 0144  ategory1: No Category  11 05 05 23 00 1209  | 0167 / Input  User Note:          | Installation  LF  Installation                    | Quantity 36.00  1/4" Diameter, Zinc Quantity 108.00  | x<br>Plated Ste                    | \$-0.62<br>sel, Low Carbon 1<br>Unit Price<br>\$1.81   | Threaded Roc                               | 0.9000 = Factor 0.9000 =                                | Total<br>\$-20.09<br>\$178<br>Total  |
| 10 05 05 19 00 0144<br>ategory1: No Category<br>11 05 05 23 00 1209  | 0167 / Input  User Note:          | Installation  LF  Installation                    | Quantity 36.00  1/4" Diameter, Zinc Quantity 108.00  | x Plated Ste x CONDUIT             | \$-0.62<br>sei, Low Carbon 1<br>Unit Price<br>\$1.81<br>CLIP (MINERAL)                       | fhreaded Roc<br>x<br>LAC 3B) 36 X          | 0.9000 =  Factor 0.9000 = 3 = 108                       | Total<br>\$-20.09<br>\$178<br>Total  |
| 10 05 05 19 00 0144  ategory1: No Category 11 05 05 23 00 1209  ategory1: No Category  | 0167 / Input  User Note:          | LF Installation  2 FEET REC                       | Quantity<br>36.00<br>1/4" Diameter, Zinc<br>Quantity<br>108.00<br>QUIRED PER 1-1/2" (                        | x Plated Ste x CONDUIT             | \$-0.62<br>sei, Low Carbon 1<br>Unit Price<br>\$1.81<br>CLIP (MINERAL)                       | fhreaded Roc<br>x<br>LAC 3B) 36 X          | 0.9000 =  Factor 0.9000 = 3 = 108                       | Total<br>\$-20.09<br>\$175<br>Total<br>\$175.93  |
| 10 05 05 19 00 0144  ategory1: No Category  11 05 05 23 00 1209  ategory1: No Category   | 0167 / Input  User Note:          | LF Installation  2 FEET REC                       | Quantity 36.00  1/4" Diameter, Zinc Quantity 108.00 QUIRED PER 1-1/2" (                                      | x Plated Ste  x CONDUIT            | \$-0.62  Del, Low Carbon 1  Unit Price \$1.81  CLIP (MINERALI  Del, Low Carbon/C  Unit Price | Threaded Roc  X LAC 3B) 36 X Grade 2 Hex I | 0.9000 =  Factor 0.9000 = 3 = 108                       | Total<br>\$-20.09<br>\$176<br>Total<br>\$175.93  |
| 10 05 05 19 00 0144  ategory1: No Category 11 05 05 23 00 1209  ategory1: No Category  | 0167<br>Input User Note:          | Installation  LF  Installation  3 FEET REC  EA    | Quantity 36.00  1/4" Diameter, Zinc Quantity 108.00  QUIRED PER 1-1/2" ( 1/4" Diameter, Zinc                 | x Plated Ste  x CONDUIT Plated Ste | \$-0.62  Unit Price \$1.81  CLIP (MINERALI  Low Carbon/C  Unit Price \$0.48                  | x<br>LAC 3B) 36 X<br>Grade 2 Hex I         | 0.9000 =  Factor 0.9000 = 3 = 108  Nut  Factor 0.9000 = | Total<br>\$-20.09<br>\$176<br>Total<br>\$175,93  |
| 10 05 05 19 00 0144  Category1: No Category 11 05 05 23 00 1209  Category1: No Category  | User Note:                        | Installation  LF  Installation  3 FEET REC  EA    | Quantity 36.00  1/4" Diameter, Zinc Quantity 108.00  QUIRED PER 1-1/2" (  1/4" Diameter, Zinc Quantity 72.00 | x Plated Ste  x CONDUIT Plated Ste | \$-0.62  Unit Price \$1.81  CLIP (MINERALI  Low Carbon/C  Unit Price \$0.48                  | x<br>LAC 3B) 36 X<br>Grade 2 Hex I         | 0.9000 =  Factor 0.9000 = 3 = 108  Nut  Factor 0.9000 = | Total<br>\$-20.09<br>\$176<br>Total<br>\$175,93  |
| 10 05 05 19 00 0144  ategory1: No Category  11 05 05 23 00 1209  ategory1: No Category  12 05 05 23 00 1286  ategory1: No Category | User Note: Input User Note: Input | Installation  LF  Installation  3 FEET REC  EA    | Quantity 36.00  1/4" Diameter, Zinc Quantity 108.00  QUIRED PER 1-1/2" (  1/4" Diameter, Zinc Quantity 72.00 | x Plated Ste  x CONDUIT Plated Ste | \$-0.62  Unit Price \$1.81  CLIP (MINERALI  Low Carbon/C  Unit Price \$0.48                  | x<br>LAC 3B) 36 X<br>Grade 2 Hex I         | 0.9000 =  Factor 0.9000 = 3 = 108  Nut  Factor 0.9000 = | Total<br>\$-20.09<br>\$176<br>Total<br>\$175,93  |
| 10 05 05 19 00 0144  ategory1: No Category  11 05 05 23 00 1209  ategory1: No Category  12 05 05 23 00 1286                        | User Note: Input User Note: Input | Installation  LF  Installation  3 FEET REC  EA    | Quantity 36.00  1/4" Diameter, Zinc Quantity 108.00  QUIRED PER 1-1/2" (  1/4" Diameter, Zinc Quantity 72.00 | x Plated Ste  x CONDUIT Plated Ste | \$-0.62  Unit Price \$1.81  CLIP (MINERALI  Low Carbon/C  Unit Price \$0.48                  | x<br>LAC 3B) 36 X<br>Grade 2 Hex I         | 0.9000 =  Factor 0.9000 = 3 = 108  Nut  Factor 0.9000 = | Total<br>\$-20.09<br>\$176<br>Total<br>\$175,93  |

Job Order Number: 063418.00

Job Order Title:

|              | CSI Number  | Mod.   | UOM  | Description  |   |  | Lìn  | e Total                        |
|--------------|---|--|--|--|---|--|--|--------------------------------|
| 23 - 1       | Heating, Ventilati  | ng, And Air                                    | -Condition   | ing (HVAC)   |   |  |  |                                |
| 18           | 23,00 00 00,0062  |  | цΘπ  |  | ROLS MATERIALS NOT IN   |  |  | 267.51                         |
|              | 100   | for the second                                 |  | ADAP IERS IP PA<br>Quantity  | C CONTROLLERS, 3-WA<br>Unit Price   | Y SOUE NOUS VALVES<br>Factor   |  |                                |
|              |   |  | Installation   | 1.00   | × \$15,267.51   | 7 € 1.0000   | = \$15,267,61  |                                |
|              |   | Luser Note:                                    | the state of the s | ARY MATERIALS NO<br>DRIABOR TO INSTA   | OT INCLUDED IN THE TAS  | IK CATAEOG, MATER  | IAL ONLY, SEE 101 22 20                                    |                                |
| Jateg        | ory1: No Categor  | yinput   | OCHOZA FY  | JA LABOR TO ING I  | ACE TRESE TENIS   |  |  |                                |
| 14           | 23 09 13 56 0030  |  | LF   | 1/2" Outside Diame   | eter Copper Pneumatic Tub   | oing   |  | 486.00                         |
|              |   |  | ······································   | Quantity   | Unit Price  | Factor   | Total  |                                |
|              |   |  | Installation   | 100,00   | x \$5.40  | -  | = \$486.00   |                                |
|              |   |  | 100 FOOT L   | LENGTH REQUIRED  | FOR FAN SHUTDOWN O  | PERATION.  |  |                                |
|              | ory1: No Categor  |  |  | 0.710  |   |  | U 700)   |                                |
| 15           | 23 09 23 00 0722  |  | EA   |  | ble Setpoint Digital Output<br>Unit Price   |  |  | ,471.80                        |
|              |   |  | installation   | Quantity<br>12.00  |   | Factor<br>9 0.9000   |  |                                |
|              |   | Hear Nota                                      |  |  |   |  | WN TO FIRE ALARM. 12 X 1 = 12                              |                                |
| ateg         | ory1: No Categor  |  | OHE NEGO   |  | 2200///01010  | 71027711 0110 7001   |  |                                |
| uhte         | otal for 23 - Heatii                                      | na Ventilati                                   | na And A   | ir-Conditioning (  | HVACI   |  | \$18.3   | 225.3                          |
|              | Electrical  | .g,  |  |  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,   |  | <b>V.</b> (2).   |                                |
| 16           | 28 05 19 16 0262  |  | MLF  | #14 AWG Cable - T  | Type THHN-THWN, 600 Vo  | olt Copper, Single Solid   | Placed in  | \$21.92                        |
|              |   |  |  |  |   |  | i i icooci ii  | Ψ£1.0E                         |
|              |   |  | **************   | Conduit<br>Quantity  | Unit Price  | Factor   |  |                                |
|              |   |  | installation   | Conduit  |   | Factor   | Total  |                                |
|              | and No Cotogon  |  |  | Conduit Quantity 0.05  | Unit Price  | Factor<br>x 0.9000   | Total = \$21.92  |                                |
| <u>-</u> -   | ory1: No Categor  | / Input  | GROUND W   | Conduit Quantity 0.05 VIRE TO RELAYS AN  | Unit Price<br>x \$451.10<br>ID MODULES. 54 FEET RI  | Factor<br>x 0.9000<br>EQUIRED. 54 LF = .05   | Total = \$21.92  |                                |
| ateg         | ory1: No Categor<br>26 05 29 00 0132                      | / Input  |  | Conduit Quantity 0.05 VIRE TO RELAYS AN 3/4" Bolt And Nut C  | Unit Price x \$451.10 ID MODULES, 54 FEET Ri  | Factor<br>x 0.9000<br>EQUIRED. 54 LF = .05   | Total<br>= \$21.92<br>4 MLF                                |                                |
| <u>_</u>     |   | / Input  | GROUND W   | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C  Quantity   | Unit Price  x \$451.10  ID MODULES. 54 FEET Richard (Minerallac 1B)  Unit Price   | Factor<br>x 0.9000<br>EQUIRED. 54 LF = .05   | Total = \$21.92<br>4 MLF                                   |                                |
|              |   | y Input  | EA Installation  | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C  Quantity 12.00   | Unit Price  x \$451.10  ID MODULES. 54 FEET Ri  Conduit Clip (Minerallac 1B)  Unit Price  x \$4.24  | Factor<br>x 0.9000<br>EQUIRED. 54 LF = .05<br>Factor<br>x 0.9000   | Total = \$21.92<br>4 MLF                                   |                                |
| 17           |   | y Input User Note:                             | EA Installation  | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C  Quantity 12.00   | Unit Price  x \$451.10  ID MODULES. 54 FEET Richard (Minerallac 1B)  Unit Price   | Factor<br>x 0.9000<br>EQUIRED. 54 LF = .05<br>Factor<br>x 0.9000   | Total = \$21.92<br>4 MLF                                   |                                |
| 17           | 26 05 29 00 0132  | y Input User Note:                             | EA Installation  | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C  Quantity 12.00  RED PER 30 FEET O  | Unit Price  x \$451.10  ID MODULES. 54 FEET Ri  Conduit Clip (Minerallac 1B)  Unit Price  x \$4.24  | Factor x 0.9000 EQUIRED. 54 LF = .05  Factor x 0.9000 JNS. 6 X 2 = 12  | Total = \$21.92 4 MLF  Total = \$45.79                     | \$45.79                        |
| 17           | 26 05 29 00 0132  | y Input User Note:                             | EA Installation  | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C  Quantity 12.00  RED PER 30 FEET O  | Unit Price  x \$451.10  ID MODULES. 54 FEET Ri  Conduit Clip (Minerallac 1B)  Unit Price  x \$4.24  F 3/4" CONDUIT, TWO RE  | Factor x 0.9000 EQUIRED. 54 LF = .05  Factor x 0.9000 JNS. 6 X 2 = 12  | Total = \$21.92 4 MLF  Total = \$45.79                     | \$45.79                        |
| 17           | 26 05 29 00 0132  | y Input User Note:                             | EA Installation  | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C  Quantity 12.00  RED PER 30 FEET O  | Unit Price  x \$451.10  ID MODULES. 54 FEET Ri  Conduit Clip (Minerallac 1B)  Unit Price  x \$4.24  F 3/4" CONDUIT, TWO RE  | Factor x 0.9000 EQUIRED. 54 LF = .05  Factor x 0.9000 JNS. 6 X 2 = 12  B) Factor   | Total = \$21.92 4 MLF  Total = \$45.79                     | \$45,79                        |
| 17           | 26 05 29 00 0132  | y Input<br>User Note:<br>y Input               | EA Installation EA Installation  | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C  Quantity 12.00  RED PER 30 FEET O  1-1/2" Bolt And Nut  Quantity 35.00                                   | Unit Price  x \$451.10  ID MODULES. 54 FEET Ri  Conduit Clip (Minerallac 1B)  Unit Price  x \$4.24  F 3/4" CONDUIT, TWO RE  Conduit Clip (Minerallac 3  Unit Price  | Factor x 0.9000 EQUIRED. 54 LF = .05  Factor x 0.9000 JNS. 6 X 2 = 12  B)  Factor x 0.9000   | Total = \$21.92 4 MLF  Total = \$45.79                     | \$45,79                        |
| 17<br>Catego | 26 05 29 00 0132  | User Note: / Input  User Note:                 | EA Installation EA Installation  | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C  Quantity 12.00  RED PER 30 FEET O  1-1/2" Bolt And Nut  Quantity 35.00                                   | Unit Price  x \$451.10  ID MODULES. 54 FEET Ri  Conduit Clip (Minerallac 1B)  Unit Price  x \$4.24  F 3/4" CONDUIT, TWO RE  Conduit Clip (Minerallac 3  Unit Price  x \$4.76  | Factor x 0.9000 EQUIRED. 54 LF = .05  Factor x 0.9000 JNS. 6 X 2 = 12  B)  Factor x 0.9000   | Total = \$21.92 4 MLF  Total = \$45.79                     | \$45,79                        |
| 17<br>Catego | 26 05 29 00 0132<br>ory1: No Category<br>26 05 29 00 0135 | User Note: / Input  User Note:                 | EA Installation EA Installation  | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C Quantity 12.00  RED PER 30 FEET O  1-1/2" Bolt And Nut Quantity 35.00  RED PER SEVENTY                    | Unit Price  x \$451.10  ID MODULES. 54 FEET Ri  Conduit Clip (Minerallac 1B)  Unit Price  x \$4.24  F 3/4" CONDUIT, TWO RE  Conduit Clip (Minerallac 3  Unit Price  x \$4.76  | Factor x 0.9000 EQUIRED. 54 LF = .05  Factor x 0.9000 JNS. 6 X 2 = 12  B)  Factor x 0.9000 tr. 70 X 5 = 35   | Total = \$21.92 4 MLF  Total = \$45.79  Total = \$149.94   | \$45.79<br>\$149.94<br>\$40.18 |
| 17 Latego 18 | 26 05 29 00 0132  ory1: No Category 26 05 29 00 0135      | User Note: / Input  User Note:                 | EA Installation SIX REQUIF EA Installation FIVE REQU   | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C Quantity 12.00  RED PER 30 FEET O  1-1/2" Bolt And Nut Quantity 35.00  RED PER SEVENTY                    | Unit Price  x \$451.10  ID MODULES. 54 FEET Ri  Conduit Clip (Minerallac 1B)  Unit Price  x \$4.24  F 3/4" CONDUIT, TWO RE  Conduit Clip (Minerallac 3  Unit Price  x \$4.76  | Factor x 0.9000 EQUIRED. 54 LF = .05  Factor x 0.9000 JNS. 6 X 2 = 12  B)  Factor x 0.9000 tr. 70 X 5 = 35   | Total = \$21.92 4 MLF  Total = \$45.79  S Total = \$149.94 | \$45.79<br>\$149.94            |
| 17 Latego 18 | 26 05 29 00 0132  ory1: No Category 26 05 29 00 0135      | User Note: / Input  User Note:                 | EA Installation SIX REQUIF EA Installation FIVE REQU   | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C  Quantity 12.00  RED PER 30 FEET O  1-1/2" Bolt And Nut  Quantity 35.00  IRED PER SEVENTY                 | Unit Price  x \$451.10  ID MODULES. 54 FEET Ri  Conduit Clip (Minerallac 1B)  Unit Price  x \$4.24  F 3/4" CONDUIT, TWO RE  Conduit Clip (Minerallac 3  Unit Price  x \$4.76  / FEET OF 1-1/2" CONDUIT, THE | Factor x 0.9000 EQUIRED. 54 LF = .05  Factor x 0.9000 JNS. 6 X 2 = 12  B)  Factor x 0.9000 IT. 70 X 5 = 35  d Screw Anchor With S  Factor          | Total = \$21.92 4 MLF  Total = \$45.79  Total = \$149.94   | \$45.79<br>\$149.94            |
| 17 Latego 18 | 26 05 29 00 0132  ory1: No Category 26 05 29 00 0135      | User Note:<br>/ Input<br>User Note:<br>/ Input | EA Installation EA Installation FIVE REQUIFE EA Installation   | Conduit  Quantity 0.05  VIRE TO RELAYS AN  3/4" Bolt And Nut C  Quantity 12.00  1-1/2" Bolt And Nut  Quantity 35.00  IRED PER SEVENTY  #10-14 Screw Size, Quantity 12.00 | Unit Price  x \$451.10  ID MODULES. 54 FEET Ri  Conduit Clip (Mineraliac 1B)  Unit Price  x \$4.24  F 3/4" CONDUIT, TWO RE  Conduit Clip (Mineraliac 3  Unit Price  x \$4.76  / FEET OF 1-1/2" CONDU  | Factor x 0.9000 EQUIRED. 54 LF = .05  Factor x 0.9000 JNS. 6 X 2 = 12  B)  Factor x 0.9000 IT. 70 X 5 = 35  d Screw Anchor With S  Factor x 0.9000 | Total = \$21.92 4 MLF  Total = \$45.79  Total = \$149.94   | \$45.79<br>\$149.94            |

063418.00

Job Order Title:

| Category1:<br>27 26 05<br>Category1: | No Category 33 13 0621  No Category 33 13 0624 | User Note:          | LF Installation 30 FEET FR   | Quantity 10.00 10.00 10.00 IRED PER CONDUIT AFTER INSTALLATI  3/4" Electrical Meta Quantity 80.00 OM CLOSEST DEVI | X<br>X<br>RUN, I<br>ON OF<br>Ilic Tubi             | NEW,<br>ng (EMT) Condult<br>Unit Price<br>\$4.48<br>EACH OF TWO MO  | x<br>x     | Factor<br>0.9000<br>0.9000<br>Factor<br>0.9000 | =             | \$230<br>Total<br>\$157.05<br>\$73.62<br>\$241<br>Total<br>\$241.92 |
|--------------------------------------|--|---------------------|--|---|--|---|------------|--|---------------|---|
| Category1:<br>27 26 05<br>Category1: | No Category<br>33 13 0621<br>No Category       | input<br>User Note: | Installation Demolition TWO REQU DEMO OLD  LF  Installation 30 FEET FR | Quantity 10.00 10.00 10.00 IRED PER CONDUIT AFTER INSTALLATI  3/4" Electrical Meta Quantity 80.00 OM CLOSEST DEVI | X<br>X<br>RUN, I<br>ON OF<br>Ilic Tubi             | Unit Price<br>\$17.45<br>\$8.18<br>5 RUNS, 5 X 2 ≠ 10<br>NEW,<br>ng (EMT) Condult<br>Unit Price<br>\$4.48<br>EACH OF TWO MO | x<br>x     | Factor<br>0.9000<br>0.9000<br>Factor<br>0.9000 | =             | Total<br>\$157.05<br>\$73.62<br>\$241                               |
| 21 26 05                             | 33 13 0621                                     | input<br>User Note: | Demolition TWO REQU DEMO OLD  LF  Installation 30 FEET FR              | 10.00 10.00 10.00 IRED PER CONDUIT AFTER INSTALLATI  3/4" Electrical Meta Quantity 60.00 OM CLOSEST DEVI-         | X<br>TRUN, I<br>ON OF<br>Ilic Tubi<br>X<br>CE TO I | \$17.45<br>\$8.18<br>5 RUNS. 5 X 2 ≈ 10<br>NEW,<br>ng (EMT) Condult<br>Unit Price<br>\$4.48<br>EACH OF TWO MO               | x          | 0.9000<br>0.9000<br>Factor<br>0.9000           | =             | \$157.05<br>\$73.62<br>\$241<br>Total                               |
| 27 26 05                             | 33 13 0621                                     | input<br>User Note: | Demolition TWO REQU DEMO OLD  LF  Installation 30 FEET FR              | 10.00 IRED PER CONDUIT AFTER INSTALLATI  3/4" Electrical Meta Quantity 60.00 OM CLOSEST DEVI-                     | X<br>TRUN, I<br>ON OF<br>Ilic Tubi<br>X<br>CE TO I | \$8.18 5 RUNS, 5 X 2 = 10 NEW,  ng (EMT) Condult  Unit Price \$4.48 EACH OF TWO MO  | x          | 0.9000<br>Factor<br>0.9000                     | =             | \$73.62<br>\$241<br>Total   |
| 27 26 05                             | 33 13 0621                                     | input<br>User Note: | TWO REQUIDEMO OLD  LF  Installation 30 FEET FR                         | IRED PER CONDUIT AFTER INSTALLATI  3/4" Electrical Meta  Quantity  60.00  OM CLOSEST DEVI-                        | RUN, I   | 5 RUNS, 5 X 2 ≈ 10<br>NEW,<br>ng (EMT) Conduit<br>Unit Price<br>\$4.48<br>EACH OF TWO MO                                    | ×          | Factor<br>0,90 <b>0</b> 0                      | =             | \$241<br>Total  |
| 21 26 05                             | 33 13 0621                                     | input<br>User Note: | LF Installation 30 FEET FR   | AFTER INSTALLATI  3/4" Electrical Meta  Quantity  60.00  OM CLOSEST DEVI-   | ON OF<br>llic Tubi<br>X<br>CE TO I                 | NEW,<br>ng (EMT) Condult<br>Unit Price<br>\$4.48<br>EACH OF TWO MO  | ×          | 0.9000   |               | Total   |
| 21 26 05                             | 33 13 0621                                     | User Note:          | Installation<br>30 FEET FR   | Quantity<br>80.00<br>OM CLOSEST DEVI-<br>1-1/2" Electrical Me   | X<br>CE TO I                                       | Unit Price<br>\$4.48<br>EACH OF TWO MO  |            | 0.9000   |               | Total   |
| ategory1:                            | No Category                                    |                     | Installation<br>30 FEET FR   | Quantity<br>80.00<br>OM CLOSEST DEVI-<br>1-1/2" Electrical Me   | X<br>CE TO I                                       | Unit Price<br>\$4.48<br>EACH OF TWO MO  |            | 0.9000   |               | Total   |
|                                      | <u></u>  |                     | 30 FEET FR   | 60.00 OM CLOSEST DEVI   | CE TO I  | \$4.48<br>EACH OF TWO MO  |            | 0.9000   |               |   |
|                                      | <u></u>  |                     | 30 FEET FR   | OM CLOSEST DEVI   | CE TO I  | EACH OF TWO MO  |            |  |               | \$241.92  |
|                                      | <u></u>  |                     | LF   | 1-1/2" Electrical Me  |  |   | DULE L     | OCATIONS. 3                                    | 0 X 2 = 60    |   |
|                                      | <u></u>  | arput.              |  | ······································  | tallic Tu  | Since (PART) Complete   |            |  |               |   |
|                                      |  |                     |  | ······································  |  | Dine (EM L) Conduit   |            |  |               | \$2,986   |
|                                      |  |                     |  | Quantity  |  | Unit Price  |            | Factor   |               | Total   |
|                                      |  |                     | Installation   | 350.00  | ×  | \$7.32  | x          | 0.9000   | =             | \$2,305.80  |
|                                      |  |                     | Demolition   | 350.00  | ×  | \$2.16  | ×          | 0.9000   |               | \$680.40  |
|                                      |  | Nasabi-t-           |  |   |  |   |            |  |               | •   |
|                                      |  | User Note:          |  | EACH OF 5 LOCATI  |  |   | NG FRC     | M OLD FIRE                                     | LARM EQUI     | PMENT TO NEW  |
|                                      |  |                     |  | A EQUIPMENT, 70 X   |  |   |            |  |               |   |
| ategory1:                            | No Category                                    | Innut               | DEMIC CLD  | AFTER INSTALLATI  | JN UF  | IAEAA.  |            |  |               |   |
|                                      | 33 13 0624                                     | 0022                | LF   | For >250 To 500, D  | odust.   |   |            |  |               | 694   |
| 20 20 00                             | 33 13 0024                                     | 0022                | LF   | · · · · · · · · · · · · · · · · · · ·   | equo:  | Unit Price  |            |  | <del></del>   | -\$31   |
|                                      |  |                     | 14-11-21   | Quantity  |  |   |            | Factor   |               | Total   |
|                                      | Na Ostanou.                                    | l                   | Installation   | 350,00  | x  | \$-0.10   | ×          | 0.9000   | =             | \$-31.50  |
|                                      | No Category                                    | Input               |  |   |  |   |            |  |               |   |
| <b>24</b> 26 05                      | 33 13 0635                                     |                     | EA   | 1-1/2" Electrical Me  | tellic Tu  | bing (EMT) 90 Degr  | ee Elbov   | W  |               | \$42  |
|                                      |  |                     |  | Quantity  |  | Unit Price  |            | Factor   |               | Total   |
|                                      |  |                     | installation   | 2.00  | x  | \$17.88   | X          | 0.9000   | =             | \$32.18   |
|                                      |  |                     | Demolition   | 2.00  | x  | \$5.54  | x          | 0.9000   | <b>=</b>      | \$9.97  |
|                                      |  | User Note:          | TWO REQUI  | RED.  |  |   |            |  |               |   |
|                                      |  |                     | DEMO OLD   | AFTER INSTALLATION  | ON OF I  | NEW.  |            |  |               |   |
| ategory1:                            | No Category                                    | Input               |  |   |  |   |            |  |               |   |
| 25 26 05                             | 33 13 0654                                     |                     | EA   | 3/4" Electrical Metal   | lic Tubir  | ng (EMT) Compress   | ion Cou    | pling  |               | \$31  |
|                                      |  |                     |  | Quantity  | · · · · · · · · · · · · · · · · · · ·              | Unit Price  |            | Factor   |               | Total   |
|                                      |  |                     | Installation   | 6.00  | v  | \$5.88  | v          | 0.9000   | =             | \$31.75   |
|                                      |  | I for any blocker.  |  | RED PER 10 FEET C   | X  |   | X          | 0.3300   | -             | φ51.70  |
| ategory1; l                          | No Category                                    |                     | ONE REGUI  | REDFER JOFEET   | JF CON   | DOI1. 607 10 - 6  |            |  |               |   |
| 26 26 05                             |  |                     | EA   | 1 1/2" Electrical Mai   | ollio Tul  | hina (EMT) Compre   | anion Ca   |  |               | 8870  |
| 20 20 00                             | 00 10 0007                                     |                     | EA   | 1-1/2" Electrical Met   | anc ru   |   | 3310/1 (-) |  |               | \$573   |
|                                      |  |                     |  | Quantity  |  | Unit Price  |            | Factor   |               | Total   |
|                                      |  |                     | Installation   | 37.00   | X  | \$12.91   |            | 0.9000   |               | \$429,90  |
|                                      |  |                     | Demolition   | 37.00   | x  | \$4.31  | x          | 0.9000   | =             | \$143. <b>52</b>  |
|                                      |  | User Note:          |  | RED PER 10 FEET C   |  |   | XTRA F     | PER ELBOW.                                     | 350 / 10 = 35 | i + 2 = 37  |
|                                      | No Category                                    |                     | DEMO OLD   | AFTER INSTALLATION  | ON OF I  | NEW.  |            |  |               |   |

063418.00

Job Order Title:

|                  | CSIN                     | nwoar                     |   | Mod.                                     | UOM   | Description  |  |  |                  |  |  | Lin   | e Tota |
|------------------|--------------------------|---------------------------|---|--|---|--|--|--|------------------|--|--|---|--------|
| 26 -             | Electr                   | cai                       |   |  |   |  |  |  |                  |  |  |   |        |
| 27               | <b>2</b> 6 <b>0</b> 5    | 33 13                     | 0687  |  | EΑ  | 3/4" Electrical Met  | iallic Tubii   | ng (EMT) Box Com   | pression         | n Connector  |  | English of Section 1994 Average                 | \$26.1 |
|                  |                          |                           |   |  |   | Quantity   | ***************************************                                | Unit Price   |                  | Factor   |  | Total   |        |
|                  |                          |                           |   |  | Installation  | 4.00   | x  | \$7.27   | x                | 0.9000   | <b>=</b>   | \$26.17   |        |
|                  |                          |                           |   | User Note:                               | TWO REQU  | IRED PER CONDU   | IT RUN, 2  | RUNS. 2 X 2 = 4  |                  |  |  |   |        |
| ateg             | jory1:                   | No Cat                    | egory ir  | put                                      |   |  |  |  |                  |  |  |   |        |
| 28               | 26 05                    | 33 13                     | 0690  |  | EA  | 1-1/2" Electrical M  | ietallic Tu  | bing (EMT) Box Co  | mpressi          | an Connector   |  | . \$  | 220.6  |
|                  |                          |                           |   |  | <del>*************************************</del>                              | Quantity   | -  | Unit Price   |                  | Factor   |  | Total   |        |
|                  |                          |                           |   |  | Installation  | 10.00  | x  | \$20.21  | ×                | 0.9000   | =  | \$181.89  |        |
|                  |                          |                           |   |  | Demolition  | 10,00  | x  | \$4.31   | x                | 0.9000   | =  | \$38.79   |        |
|                  |                          |                           |   | User Note:                               |   | IRED PER CONDU   |  |  | )                |  |  |   |        |
|                  |                          | No Cat                    |   |  | DEMO OLD  | AFTER INSTALLAT  | TON OF I   | NEW.   |                  |  |  |   |        |
|                  | jory1:                   | <del></del>               | egory in  |  |   | e Zeol was 1922 a.g  |  |  |                  | M  |  |   |        |
| 29               | 26 05                    | 33 13                     | 2405  |  | LF  | 1/2" Flexible Metal  | ilic Condu   |  |                  |  | <del> </del>                                     |   | \$33.7 |
|                  |                          |                           |   |  |   | Quantity   |  | Unit Price   |                  | Factor   |  | Total   |        |
|                  |                          |                           |   |  | Installation  | 12.00  | x  | \$3.12   |                  | 0.9000   |  | \$33.70   |        |
|                  |                          |                           | I   | User Note:                               |   | REQUIRED AT EAC  |  |  |                  |  |  |   |        |
|                  |                          |                           |   |  | 1.75 = 12   | ED EQUIPMENT. 5  | RELAYS   | FOR DAMPERS A  | ND 2 M           | ONITOR POIN  | TS FOR SPRIN                                     | KLER. 5 + 2 = 7 X                               | ζ.     |
| aten             | ory1:                    | No Cat                    | egory in  | nout                                     | 1.70 12   |  |  |  |                  |  |  |   |        |
| 30               |                          | 33 13                     |   | 004ē                                     | LF  | For Flexible Alumi   | num Can  | hat Add  | · · · · · · · ·  |  |  |   | 61 (   |
| 50               | 20 00                    | 33 13                     | 2400  | 0040                                     |   |  |  | · · · · · · · · · · · · · · · · · · ·  |                  |  | ~  |   | \$1.0  |
|                  |                          |                           |   |  |   | Quantity   |  | Unit Price   |                  | Factor   |  | Total   |        |
|                  |                          | N - 0-4                   |   | 4  | Installation  | 12.00  | x  | \$0.10   | X                | 0.9000   | =  | \$1.08  |        |
|                  |                          | No Cat                    |   | iput                                     |   |  |  | <del>-,,</del>   |                  |  |  |   |        |
| 31               | 26 05                    | 33 13                     | 2417  |  | EA  | 1/2" Flexible Straig   | int Conne  | ctors, Plain   |                  |  |  |   | \$80.3 |
|                  |                          |                           |   |  |   | Quantity   |  | Unit Price   |                  | Factor   |  | Total   |        |
|                  |                          |                           |   |  | Installation  | 14.00  | x  | \$6.38   | ×                | 0.9000   | =  | \$80.39   |        |
|                  |                          |                           |   |  | TWO REQUI   | RED PER LENGTH   | OF FLE   | KIBLE CONDUIT.   | RELAY            | 'S FOR DAMPI   | ERS AND 2 MO                                     | NITOR POINTS                                    |        |
|                  |                          |                           |   | User Note:                               | 1110 21243  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,   |  |  |                  |  |  |   |        |
| - <b>-</b>       |                          | N = 0-4                   |   |  |   | KLER. 5+2=7X2  | = 14   |  |                  |  |  |   |        |
|                  | jory1:                   | No Cate                   | egory In  |  | FOR SPRINI  | KLER. 5+2=7X2  |  |  |                  | <del>,</del>   | · • • • • • • • • • • • • • • • • • • •          | <u> </u>  |        |
| ateg<br>32       | <u> </u>                 | No Cate                   | egory In  |  |   |  |  | el Box   |                  | <del>,</del>   | *************                                    | \$  | 122.3  |
|                  | <u> </u>                 |                           | egory In  |  | FOR SPRINI  | KLER. 5+2=7X2  |  | el Box<br>Unit Price   |                  | Factor   | ***************************************          | \$<br>Total                                     | 3122.3 |
|                  | <u> </u>                 |                           | egory In  |  | FOR SPRINI  | KLER. 5 + 2 = 7 X 2<br>1-1/2" Depth, 4" So   |  |  | x                | Factor<br>0.9000   |  |   | 3122.3 |
|                  | <u> </u>                 |                           | egory In  | put                                      | EA installation   | 1-1/2" Depth, 4" So<br>Quantity  | quare Ste  | Unit Price<br>\$27.18  |                  | 0.9000   |  | Total<br>\$122.31                               | 122.3  |
| 32               | 26 05                    |                           | egory In<br>0003                                  | iput<br>User Note:                       | EA installation   | KLER. 5 + 2 ≈ 7 X 2<br>1-1/2" Depth, 4" So<br>Quantity<br>5.00   | quare Ste  | Unit Price<br>\$27.18  |                  | 0.9000   |  | Total<br>\$122.31                               | 6122.3 |
| 32               | 26 05                    | 33 16                     | egory In<br>0003<br>I<br>egory in                 | iput<br>User Note:                       | EA installation   | KLER. 5 + 2 ≈ 7 X 2<br>1-1/2" Depth, 4" So<br>Quantity<br>5.00   | quare Ste<br>x<br>R LOCATI   | Unit Price<br>\$27.18<br>ON FOR FIRE ALA   |                  | 0.9000   |  | Total<br>\$122.31<br>5                          |        |
| 32               | 26 05                    | 33 16                     | egory In<br>0003<br>I<br>egory in                 | iput<br>User Note:                       | EA Installation ONE REQUI   | 1-1/2" Depth, 4" So<br>Quantity<br>5.00<br>RED PER DAMPER  | quare Ste<br>x<br>R LOCATI   | Unit Price<br>\$27.18<br>ON FOR FIRE ALA   |                  | 0.9000   |  | Total<br>\$122.31<br>5                          |        |
| 32               | 26 05                    | 33 16                     | egory In<br>0003<br>I<br>egory in                 | iput<br>User Note:                       | EA Installation ONE REQUI   | LER. 5 + 2 = 7 X 2  1-1/2" Depth, 4" So  Quantity  5.00  RED PER DAMPER  Flat, 4" Square Ste   | quare Ste<br>x<br>R LOCATI   | Unit Price<br>\$27.18<br>ON FOR FIRE ALA<br>ed Work Cover  | ARM MO           | 0.9000<br>DULES, 5 DAM   | 1PERS. 5 X 1 ≃                                   | Total<br>\$122.31<br>5                          |        |
| 32               | 26 05                    | 33 16                     | egory In<br>0003<br>I<br>egory In<br>0034         | iput<br>User Note:                       | EA Installation ONE REQUI   | 1-1/2" Depth, 4" So Quantity 5.00 RED PER DAMPER Flat, 4" Square Ste   | quare Ste  x R LOCATION Beel Expose  x                                 | Unit Price<br>\$27.18<br>ON FOR FIRE ALA<br>ed Work Cover<br>Unit Price<br>\$9.03  | X X              | 0.9000<br>PDULES, 5 DAN<br>Factor<br>0.9000                    | 1PERS. 5 X 1 ≈                                   | Total<br>\$122.31<br>5<br>Total<br>\$40.63      |        |
| 32<br>ateg<br>33 | 26 05<br>(ory1:<br>26 05 | 33 16                     | egory In<br>0003<br>egory in<br>0034              | uput<br>User Note:<br>Iput<br>User Note: | EA Installation ONE REQUI   | LER. 5 + 2 = 7 X 2  1-1/2" Depth, 4" So  Quantity  5.00  RED PER DAMPER  Flat, 4" Square Ste  Quantity  5.00   | quare Ste  x R LOCATION Beel Expose  x                                 | Unit Price<br>\$27.18<br>ON FOR FIRE ALA<br>ed Work Cover<br>Unit Price<br>\$9.03  | X X              | 0.9000<br>PDULES, 5 DAN<br>Factor<br>0.9000                    | 1PERS. 5 X 1 ≈                                   | Total<br>\$122.31<br>5<br>Total<br>\$40.63      |        |
| 32<br>ateg<br>33 | 26 05<br>ery1:<br>26 05  | 33 16<br>No Cate<br>33 16 | egory In<br>0003<br>egory in<br>0034              | uput<br>User Note:<br>Iput<br>User Note: | EA Installation ONE REQUI   | LER. 5 + 2 = 7 X 2  1-1/2" Depth, 4" So  Quantity  5.00  RED PER DAMPER  Flat, 4" Square Ste  Quantity  5.00   | quare Ste  x R LOCATION SEE EXPOSE  X R LOCATION                       | Unit Price<br>\$27.18<br>ON FOR FIRE ALA<br>ed Work Cover<br>Unit Price<br>\$9.03<br>ON FOR FIRE ALA                           | X X              | 0.9000<br>PDULES, 5 DAN<br>Factor<br>0.9000                    | 1PERS. 5 X 1 ≈                                   | Total<br>\$122.31<br>5<br>Total<br>\$40.63      | \$40.6 |
| 32<br>ateg<br>33 | 26 05<br>ery1:<br>26 05  | 33 16  No Cate 33 16      | egory In<br>0003<br>egory in<br>0034              | uput<br>User Note:<br>Iput<br>User Note: | EA Installation ONE REQUI   | LER. 5 + 2 = 7 X 2  1-1/2" Depth, 4" So Quantity 5.00  RED PER DAMPER  Flat, 4" Square Ste Quantity 5.00  RED PER DAMPER  1-7/8" Deep, 4" x 2              | quare Ste  x R LOCATION SEE EXPOSE  X R LOCATION                       | Unit Price<br>\$27.18<br>ON FOR FIRE ALA<br>ed Work Cover<br>Unit Price<br>\$9.03<br>ON FOR FIRE ALA<br>andy Box               | X X              | 0.9000<br>DULES, 5 DAM<br>Factor<br>0.9000<br>DULES, 5 DAM     | 1PERS. 5 X 1 ≈                                   | Total<br>\$122.31<br>5<br>Total<br>\$40.63      | \$40.8 |
| 32<br>ateg<br>33 | 26 05<br>ery1:<br>26 05  | 33 16  No Cate 33 16      | egory In<br>0003<br>egory in<br>0034              | uput<br>User Note:<br>Iput<br>User Note: | EA Installation ONE REQUI EA Installation ONE REQUI EA                        | ALER. 5 + 2 = 7 X 2  1-1/2" Depth, 4" So Quantity 5.00 RED PER DAMPER  Flat, 4" Square Ste Quantity 5.00 RED PER DAMPER  1-7/8" Deep, 4" x 2 Quantity      | quare Ste  x R LOCATIO  eel Exposo  x R LOCATIO  "Steel Ho             | Unit Price \$27.18 ON FOR FIRE ALA ed Work Cover Unit Price \$9.03 ON FOR FIRE ALA endy Box Unit Price                         | X<br>X<br>ARM MO | 0.9000 PDULES, 5 DAN Factor 0.9000 PDULES, 5 DAN               | #PERS. 5 X 1 ==<br>=<br>#PERS. 5 X 1 =           | Total<br>\$122.31<br>5<br>Total<br>\$40.63      | \$40.6 |
| 32<br>ateg<br>33 | 26 05<br>ery1:<br>26 05  | 33 16  No Cate 33 16      | egory in<br>0003<br>egory in<br>0034<br>legory in | Jeer Note:<br>put<br>Jeer Note:<br>put   | EA Installation ONE REQUI EA Installation ONE REQUI EA Installation           | ALER. 5 + 2 = 7 X 2  1-1/2" Depth, 4" So Quantity 5.00 RED PER DAMPER  Flat, 4" Square Ste Quantity 5.00 RED PER DAMPER  1-7/8" Deep, 4" X 2 Quantity 2.00 | quare Ste  x R LOCATIO  E LOCATIO  X R LOCATIO  "Steel Ho              | Unit Price \$27.18 ON FOR FIRE ALA ed Work Cover Unit Price \$9.03 ON FOR FIRE ALA andy Box Unit Price \$22.89                 | X<br>ARM MO      | 0.9000 PDULES, 5 DAM Factor 0.9000 PDULES, 5 DAM Factor 0.9000 | #PERS. 5 X 1 = ################################# | Total<br>\$122.31<br>5<br>Total<br>\$40.63<br>5 | \$40.6 |
| 32 ateg          | 26 05<br>ery1:<br>26 05  | 33 16  No Cate 33 16      | egory in<br>0003<br>egory in<br>0034<br>legory in | Jeer Note:<br>put<br>Jeer Note:<br>put   | EA Installation ONE REQUI EA Installation ONE REQUI EA Installation ONE REQUI | ALER. 5 + 2 = 7 X 2  1-1/2" Depth, 4" So Quantity 5.00 RED PER DAMPER  Flat, 4" Square Ste Quantity 5.00 RED PER DAMPER  1-7/8" Deep, 4" x 2 Quantity      | quare Ste  x R LOCATIO  eel Exposo  X R LOCATIO  "Steel Ho  X  LER MON | Unit Price \$27.18 ON FOR FIRE ALA ed Work Cover Unit Price \$9.03 ON FOR FIRE ALA andy Box Unit Price \$22.89 ITROING POINT F | X<br>ARM MO      | 0.9000 PDULES, 5 DAM Factor 0.9000 PDULES, 5 DAM Factor 0.9000 | #PERS. 5 X 1 = ################################# | Total<br>\$122.31<br>5<br>Total<br>\$40.63<br>5 | \$40.8 |

063418.00

Job Order Title:

|                   | CSIN                      | umber   | Mod.                                      | NOM  | Description  |   |  |   |   | Line To   |
|-------------------|---------------------------|---|---|--|--|---|--|---|---|---|
| 26 -              | Electri                   | cal   |   |  |  |   |  |   |   |   |
| 35                | 26 05                     | 33 16 0121                                      |   | EΑ   | Fiat, 2" x 4" Steel H  | andy Bo   | k Exposed Work C   | over  |   | \$8   |
|                   |                           |   |   |  | Quantity   |   | Unit Price   |   | Factor  | Total   |
|                   |                           | •   |   | Installation   | 2.00   | X.  | \$4.74   | x   | 0.9000 =  | \$8.53  |
|                   |                           |   | User Note:                                | ONE REQU   | RED PER SPRINKLI   | ER MON  | ITORING POINT I  | OR FIR  | E ALARM MODULES, 2 LO   | CATIONS (1  |
| ateg              | ory1:                     | No Category                                     | Input                                     | WATERFLO   | W, 1 TAMPER SWIT   | CH). 2 X  | 1 = 2  |   |   |   |
| 36                | 26 05                     | 53 00 0019                                      |   | EA   | Labeling Wire  |   |  |   |   | \$3   |
|                   |                           |   |   |  | Quantity   |   | Unit Price   |   | Factor  | Total   |
|                   |                           |   |   | Installation   | 2.00   | x   | \$1.80   | ×   | 0.9000 =  | \$3.24  |
|                   |                           |   | User Note:                                | LABEL WIR  | NG PER BUILDING  | STANDA  | RD AT 2 CABLE I  | RUNS. 1   | * 2 <b>=</b> 2.   | ****  |
| ateg              | ory 1:                    | No Category                                     | Input                                     |  |  |   |  |   |   |   |
| Jubto             | otal for                  | r 26 - Electri                                  | cal:                                      | ····   |  |   | v  |   |   | \$4,910.  |
| 28 - 1            | Electro                   | nic Safety A                                    | and Securi                                | ty   |  |   |  | ST SW   |   |   |
| 37                | 28 05                     | 13 23 0004                                      |   | MLF  | 1-Pair, 18 AWG, Tw<br>(Red), Fire Alarm/Li   |   |  |   | Rated, Solid Type FPLP  | \$76  |
|                   |                           |   |   |  | Quantity   |   | Unit Price   |   | Factor  | Total   |
|                   |                           |   |   | installation   | 0.05   | ×   | \$1,566.35   | x   | 0.9000 =  | \$76.12   |
|                   |                           |   | User Note:                                | FIRE ALARI   | ADDRESSABLE CA   | ABLE TO   | RELAYS AND M   | ODULES  | s, 54 FEET REQUIRED, 54   | LF = .054 MLF   |
| ateg              | ory 1:                    | No Category                                     | Input                                     |  |  |   |  |   |   |   |
| 38                | 28 05                     | 13 23 0004                                      |   | MLF  | 1-Pair, 18 AWG, Tw<br>(Red), Fire Alarm/Li   |   |  |   | Rated, Solid Type FPLP  | \$17,343  |
|                   |                           | Excludes  |   |  | Quantity   |   | Unit Price   |   | Factor  | Total   |
|                   |                           | Material  |   | Installation   | 12,60  | ×   | \$955,88   | x   | 0.9000 =  | \$10,839.45   |
|                   |                           |   |   | Demolition   | 12.60  | ×   | \$573.52   | x   | 0.9000 =  | \$6,503.72  |
|                   |                           |   |   | CARLECTO   | BE RELOCATED FE  | ROM OLD   |  | 기하다하는   | NT TO NEW FIRE ALARM  | EOLUDMENT COD   |
| ateg              | ory1:                     | No Category                                     |   | FAN SHUTE<br>NEW COND  | OWN INTERFACE.   | 36 CIRCI<br>IONS. 36  | JITS @ 70' EACH  | TO BE F   | PULLED OUT AND REPUL<br>D LF - 12.6 MLF (LABOR A  | LED THROUGH   |
| ateg<br>39        |                           | No Category<br>23 00 0091                       |   | FAN SHUTE<br>NEW COND  | OWN INTERFACE. S<br>UIT AT FIVE LOCATI<br>ISE EXISTING WIRIN   | 36 CIRCI<br>IONS. 36<br>IG)   | JITS @ 70' EACH<br>X 70 = 2,520 X 5  | TO BE F<br>= 12,800   | PULLED OUT AND REPUL  | LED THROUGH   |
|                   |                           | ····  |   | FAN SHUTE<br>NEW COND<br>ONLY; RE-U  | OWN INTERFACE. SUIT AT FIVE LOCATI<br>USE EXISTING WIRIN<br>Class B Single Inpu  | 36 CIRCI<br>IONS. 36<br>IG)   | JITS @ 70' EACH<br>X 70 = 2,520 X 5<br>(One Gang Stand   | TO BE F<br>= 12,800   | PULLED OUT AND REPUL<br>D LF - 12.6 MLF (LABOR A  | LED THROUGH ND EQUIPMENT \$166  |
|                   |                           | ····  |   | FAN SHUTE<br>NEW COND<br>ONLY; RE-U  | OWN INTERFACE. SUIT AT FIVE LOCATINE EXISTING WIRIN  Class B Single Inpu  Quantity   | 36 CIRCI<br>IONS. 36<br>IG)<br>It Module  | UITS @ 70' EACH<br>X 70 = 2,520 X 5<br>(One Gang Stand<br>Unit Price   | TO BE F<br>= 12,800   | PULLED OUT AND REPUL<br>) LF - 12.6 MLF (LABOR A<br>nt) (EST3 SIGA-CT1)   | LED THROUGH ND EQUIPMENT \$166.   |
|                   |                           | ····  | Input                                     | FAN SHUTE<br>NEW COND<br>ONLY; RE-U<br>EA  | OWN INTERFACE. S<br>UIT AT FIVE LOCATI<br>ISE EXISTING WIRIN<br>Class B Single Inpu<br>Quantity<br>2.00  | 36 CIRCU<br>IONS, 36<br>IG)<br>t Module   | UITS @ 70' EACH<br>X 70 = 2,520 X 5<br>(One Gang Stand<br>Unit Price<br>\$92.33  | TO BE F<br>= 12,800   | PULLED OUT AND REPUL D LF - 12.6 MLF (LABOR A)  nt) (EST3 SIGA-CT1)  Factor 0.9000 =  | LED THROUGH ND EQUIPMENT \$166. Total \$166.19  |
| 39                | 28 31                     | 23 00 0091                                      | Input User Note:                          | FAN SHUTE<br>NEW COND<br>ONLY; RE-U<br>EA  | OWN INTERFACE. S<br>UIT AT FIVE LOCATI<br>ISE EXISTING WIRIN<br>Class B Single Inpu<br>Quantity<br>2.00  | 36 CIRCU<br>IONS. 36<br>IG)<br>It Module<br>X<br>ER MONI  | Unit Price<br>\$92.33<br>TORING POINT.   | TO BE F<br>= 12,800   | PULLED OUT AND REPUL<br>D LF - 12.6 MLF (LABOR A<br>nt) (EST3 SIGA-CT1)<br>Factor   | LED THROUGH ND EQUIPMENT \$166. Total \$166.19  |
| 39                | 28 31                     | 23 00 0091                                      | Input User Note:                          | FAN SHUTE<br>NEW COND<br>ONLY; RE-U<br>EA<br>Installation<br>ONE REQUI                             | OWN INTERFACE. SUIT AT FIVE LOCATI ISE EXISTING WIRIN  Class B Single Inpu  Quantity  2.00  RED PER SPRINKLE  UGH, ONE WATERF  | as CIRCI<br>IONS. 38<br>NG)<br>It Module<br>X<br>ER MONI  | UITS @ 70' EACH X 70 = 2,520 X 5  (One Gang Stand Unit Price \$92.33  TORING POINT.  | TO BE F<br>= 12,800<br>lard Mou<br>x<br>2 SPRIN                         | PULLED OUT AND REPUL  O LF - 12.6 MLF (LABOR A)  IN) (EST3 SIGA-CT1)  Factor  0.9000 =  KLER MONITORING POIN  | LED THROUGH ND EQUIPMENT \$166.  Total \$166.19 ITS IDENTIFIED AT                         |
| 39                | 28 31                     | 23 00 0091                                      | Input User Note:                          | FAN SHUTE<br>NEW COND<br>ONLY; RE-U<br>EA  | OWN INTERFACE. SUIT AT FIVE LOCATING WIRIN Class B Single Inpu Quantity 2.00 RED PER SPRINKLE UGH, ONE WATERF  | as CIRCI<br>IONS. 38<br>NG)<br>It Module<br>X<br>ER MONI  | Unit Price \$92.33 TORING POINT.  One Gang Stand   | TO BE F<br>= 12,800<br>lard Mou<br>x<br>2 SPRIN                         | PULLED OUT AND REPUL D LF - 12.6 MLF (LABOR A) INI) (EST3 SIGA-CT1) Factor 0.9000 = KLER MONITORING POIN D) (EST3 SIGA-CT2)   | LED THROUGH ND EQUIPMENT \$166.  Total \$166.19 ITS IDENTIFIED AT                         |
| 39                | 28 31                     | 23 00 0091                                      | Input User Note:                          | FAN SHUTE<br>NEW COND<br>ONLY; RE-U<br>EA<br>Installation<br>ONE REQUI<br>WALKTHRO                 | OWN INTERFACE. SUIT AT FIVE LOCATI ISE EXISTING WIRIN  Class B Single Inpu  Quantity 2.00  RED PER SPRINKLE  UGH, ONE WATERF  Class B Dual Input  Quantity   | es CIRCU IONS. 36 NG)  It Module  X ER MONI FLOW, O   | UTTS @ 70' EACH X 70 = 2,520 X 5  (One Gang Stand Unit Price \$92.33  TORING POINT, NE TAMPER.  One Gang Standa Unit Price | TO BE F = 12,600 lard Mou   | PULLED OUT AND REPUL D LF - 12.6 MLF (LABOR A) INI) (EST3 SIGA-CT1) Factor 0.9000 = KLER MONITORING POIN () (EST3 SIGA-CT2) Factor  | LED THROUGH ND EQUIPMENT \$166.  Total \$166.19 ITS IDENTIFIED AT \$574                   |
| 39                | 28 31                     | 23 00 0091                                      | Input  User Note: Input                   | FAN SHUTE NEW COND ONLY; RE-U  EA  Installation ONE REQUI WALKTHRO  EA  Installation               | OWN INTERFACE. SUIT AT FIVE LOCATION OF THE PROPERTY OF THE PR | es CIRCUIONS. 36 NG)  It Module  X ER MONIFICOW, O.  Module (1)   | Unit Price S127.63 Unit Price S12.33 Unit Price S12.33 Unit Price Unit Price S12.33  | TO BE F = 12,600 lard Mou   | PULLED OUT AND REPUL D LF - 12.6 MLF (LABOR A)  IN) (EST3 SIGA-CT1)  Factor 0.9000 =  KLER MONITORING POIN  () (EST3 SIGA-CT2)  Factor 0.9000 =                                       | LED THROUGH ND EQUIPMENT \$166.  Total \$166.19 ITS IDENTIFIED AT                         |
| 39<br>ateg<br>40  | 28 31<br>ory1:<br>28 31   | 23 00 0091<br>No Category<br>23 00 0092         | Input  User Note: Input  User Note:       | FAN SHUTE NEW COND ONLY; RE-U  EA  Installation ONE REQUI WALKTHRO  EA  Installation               | OWN INTERFACE. SUIT AT FIVE LOCATI ISE EXISTING WIRIN  Class B Single Inpu  Quantity 2.00  RED PER SPRINKLE  UGH, ONE WATERF  Class B Dual Input  Quantity   | es CIRCUIONS. 36 NG)  It Module  X ER MONIFICOW, O.  Module (1)   | Unit Price S127.63 Unit Price S12.33 Unit Price S12.33 Unit Price Unit Price S12.33  | TO BE F = 12,600 lard Mou   | PULLED OUT AND REPUL D LF - 12.6 MLF (LABOR A)  IN) (EST3 SIGA-CT1)  Factor 0.9000 =  KLER MONITORING POIN  () (EST3 SIGA-CT2)  Factor 0.9000 =                                       | LED THROUGH ND EQUIPMENT \$166.  Total \$166.19 ITS IDENTIFIED AT \$574                   |
| ateg              | 28 31  ory1: 28 31  ory1: | 23 00 0091  No Category 23 00 0092  No Category | Input  User Note: Input  User Note:       | FAN SHUTE NEW COND ONLY; RE-U  EA  Installation ONE REQUI WALKTHRO  EA  Installation DAMPER PO     | OWN INTERFACE. SUIT AT FIVE LOCATI ISE EXISTING WIRIN  Class B Single Inpu  Quantity 2.00  RED PER SPRINKLE  UGH, ONE WATERF  Class B Dual Input I  Quantity 5.00  DSITION MONITORIN   | as CIRCUIONS. 3s and a second of the second | Unit Price \$127.63  NOR CLOSED).  | TO BE F = 12,800 lard Mount x 2 SPRIN rd Mount x 5 DAMPE                | PULLED OUT AND REPUL D LF - 12.6 MLF (LABOR A)  IN) (EST3 SIGA-CT1)  Factor 0.9000 =  KLER MONITORING POIN  () (EST3 SIGA-CT2)  Factor 0.9000 =  ERS.                                 | LED THROUGH ND EQUIPMENT  \$166.  Total \$166.19 ITS IDENTIFIED AT  \$574  Total \$574.34 |
| 39<br>2ateg<br>40 | 28 31  ory1: 28 31  ory1: | 23 00 0091<br>No Category<br>23 00 0092         | Input  User Note: Input  User Note:       | FAN SHUTE NEW COND ONLY; RE-U  EA  Installation ONE REQUI WALKTHRO  EA  Installation               | OWN INTERFACE. 3 UIT AT FIVE LOCATI ISE EXISTING WIRIN  Class B Single Inpu  Quantity 2.00  RED PER SPRINKLE  UGH, ONE WATERF  Class B Dual Input I  Quantity 5.00  OSITION MONITORIN  Control Relay Modu  | as CIRCUIONS. 3s NG)  It Module  X  ER MONIFICOW, O.  Module (  X  NG (OPE  | Unit Price \$127.63 N OR CLOSED).  | TO BE F = 12,800 lard Mount x 2 SPRIN x 5 DAMPE                         | PULLED OUT AND REPUL D LF - 12.6 MLF (LABOR A)  INI) (EST3 SIGA-CT1)  Factor 0.9000 =  KLER MONITORING POIN  () (EST3 SIGA-CT2)  Factor 0.9000 =  ERS.                                | LED THROUGH ND EQUIPMENT \$166.  Total \$166.19 ITS IDENTIFIED AT \$574                   |
| 39 Categ          | 28 31  ory1: 28 31  ory1: | 23 00 0091  No Category 23 00 0092  No Category | Input  User Note: Input  User Note:       | FAN SHUTE NEW COND ONLY; RE-U  EA  Installation ONE REQUI WALKTHRO  EA  Installation DAMPER PO     | OWN INTERFACE. SUIT AT FIVE LOCATI ISE EXISTING WIRIN  Class B Single Inpu  Quantity 2.00  RED PER SPRINKLE  UGH, ONE WATERF  Class B Dual Input I  Quantity 5.00  DSITION MONITORIN   | as CIRCUIONS. 3s NG)  It Module  X  ER MONIFICOW, O.  Module (  X  NG (OPE  | Unit Price \$127.63 N OR CLOSED).  | TO BE F = 12,800 lard Mount x 2 SPRIN x 5 DAMPE                         | PULLED OUT AND REPUL D LF - 12.6 MLF (LABOR A)  INI) (EST3 SIGA-CT1)  Factor 0.9000 =  KLER MONITORING POIN  () (EST3 SIGA-CT2)  Factor 0.9000 =  ERS.                                | LED THROUGH ND EQUIPMENT  \$166.  Total \$166.19 ITS IDENTIFIED AT  \$574  Total \$574.34 |
| 39 Categ          | 28 31  ory1: 28 31  ory1: | 23 00 0091  No Category 23 00 0092  No Category | Input  User Note: Input  User Note:       | FAN SHUTE NEW COND ONLY; RE-U  EA  Installation ONE REQUI WALKTHRO  EA  Installation DAMPER PO     | OWN INTERFACE. SUIT AT FIVE LOCATION OF A PROPERTY OF A PR | as CIRCUIONS, 36 NG)  It Module  X ER MONIFLOW, O  Module (  X NG (OPE  | Unit Price \$127.63 N OR CLOSED).  Grands Standard Mo. Rated at 2 amps Unit Price  | TO BE F = 12,800  lard Mount  x 2 SPRIN  To Mount  x 5 DAMPE  bunt) (ES | PULLED OUT AND REPUL D LF - 12.6 MLF (LABOR A) OLF - 12.6 MLF (LABOR A) OLF - 12.6 MLF (LABOR A) Factor O.9000 = KLER MONITORING POIN Factor O.9000 = ERS. ET3 SIGA-CR)Select for     | LED THROUGH ND EQUIPMENT  \$166.  Total \$166.19 ITS IDENTIFIED AT  \$574  Total \$574.34 |
| ateg              | 28 31  ory1: 28 31  ory1: | 23 00 0091  No Category 23 00 0092  No Category | Input  User Note: Input  User Note: Input | FAN SHUTE NEW COND ONLY; RE-U  EA  Installation ONE REQUI WALKTHRO  EA  Installation DAMPER PO  EA | OWN INTERFACE. 3 UIT AT FIVE LOCATI ISE EXISTING WIRIN  Class B Single Inpu  Quantity 2.00  RED PER SPRINKLE UGH, ONE WATERF  Class B Dual Input I  Quantity 5.00  OSITION MONITORIN  Control Relay Modu either N.O. or N.C.  Quantity   | es CIRCU IONS, 36 IG) It Module  X ER MONI FLOW, O  Module (  X IG (OPE   | Unit Price \$127.63 N OR CLOSEO).  Gang Standard Mo., Rated at 2 amps Unit Price \$111.20                                  | TO BE F = 12,800  lard Mount  x 2 SPRIN  To Mount  x 5 DAMPE  bunt) (ES | PULLED OUT AND REPUL D LF - 12.6 MLF (LABOR A)  INI) (EST3 SIGA-CT1)  Factor 0.9000 =  KLER MONITORING POIN  () (EST3 SIGA-CT2)  Factor 0.9000 =  ERS.  ET3 SIGA-CR)Select for Factor | \$166. Total \$166.19 ITS IDENTIFIED AT  \$574  Total \$574.34                            |

063418.00

Job Order Title:

Cook County DOC Division XI Fire Life Safety Upgrades

| Rec#   | CSI Num   | ber         | Mod.                | UOM   | Description                              |           |                    |           |   | Line Tot         |
|--------|-----------|-------------|---------------------|---|--|-----------|--------------------|-----------|---|------------------|
| 28 - E | Electroni | ic Safety A | \nd Securi          | ty  |  |           |                    |           |   |                  |
| 42     | 28 31 2   | 3 00 0097   |                     | EΑ  | Control Relay UIO                        | (Plug in) | Module (EST3 SIC   | A-MCR     | ?)  | \$14,577.        |
|        |           |             |                     |   | Quantity                                 |           | Unit Price         |           | Factor  | Total            |
|        |           |             |                     | Installation                                      | 150.00                                   | x         | \$107.98           | x         | 0.9000 =                                      | \$14,577.30      |
| :atea  | ory1: No  | o Category  | User Note:<br>Input | ONE RELA  | Y REQUIRED PER H                         | /AC SHU   | ITDOWN FUNCTI      | ON. 32    | + 118 = 150                                   |                  |
| 43     |           | 3 00 0106   |                     | EA  | Universal Input/Out<br>Modules (EST3 SIG |           | le Motherboard - ( | 8 Positio | on, Use For M Series                          | \$2,833.5        |
|        |           |             |                     |   | Quantity                                 |           | Unit Price         |           | Factor  | Total            |
|        |           |             |                     | Installation                                      | 26.00                                    | x         | \$121.09           | x         | 0.9000 ≈                                      | \$2,833.51       |
| Cateco | ory1: No  | o Category  | User Note:          | ONE REQU  | IRED PER 6 RELAYS                        | PER AF    | REA. ROUND UP      | (118/6) = | = 20. ROUNDUP (32/6) = 6.                     | 20 + 6 = 26      |
| 44     |           | 3 00 0138   |                     | EA  | Single Signature Lo                      | op Contr  | oller (EST3 3-SSE  | OC1)      |   | \$6,055.6        |
|        |           |             |                     | <del>, , , , , , , , , , , , , , , , , , , </del> | Quantity                                 |           | Unit Price         | ~         | Factor  | Total            |
|        |           |             |                     | Installation                                      | 6.00                                     | x         |                    | x         | 0.9000 =                                      | \$6,055.61       |
| ateg   | ory1: No  | o Category  |                     | 6.  | BLE INTERFACE CA                         | KUAIF     | IKE ALARM NET      | WORK F    | PANEL 1 REQUIRED PER I                        | ANEL, 8 PANELS = |
| 45     | 28 31 2   | 3 00 0142   |                     | EA  | Multi Voltage Relay                      | (EST3 N   | R101)              |           |   | \$503.6          |
|        |           |             |                     |   | Quantity                                 |           | Unit Price         | •         | Factor  | Total            |
|        |           |             |                     | Installation                                      | 5.00                                     | x         | \$111.79           | х         | 0.9000 =                                      | \$503.06         |
| atege  | ory1: No  | o Category  | User Note:<br>Input | DAMPER C  | ONTROL RELAY INT                         | ERFACE    | (USE 24V INPUT     | TO SW     | /ITCH 110V OUTPUT) 5 DA                       | MPERS            |
| 46     | 28 31 2   | 3 00 1227   | <del></del>         | £Α  | 18 Point Lockable F                      | ire Alarn | Terminal Cabine    |           |   | \$3,504.3        |
|        |           |             |                     |   | Quantity                                 |           | Unit Price         |           | Factor  | Total            |
|        |           |             |                     | Installation                                      | 26.00                                    | x         | \$149.76           | x         | 0.9000 =                                      | \$3,504.38       |
| atego  | ory1: No  | Category    | User Note:<br>Input | RELAYS EN   | ICLOSURE EST PAR                         |           | -A. 1 REQUIRED     |           | 3A-UIO8 = 28                                  |                  |
| ubto   | tal for 2 | 8 - Electro | nic Safety          | And Secu  | rity:                                    |           |                    |           | <u>, , , , , , , , , , , , , , , , , , , </u> | \$46,134.0       |
|        |           |             |                     |   |  |           | <del></del>        |           |   |                  |

This proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

The Percent of NPP on this Proposal:

4.29%



TO:

PROPOSAL

3007 Malmo Drive, Arlington Heights, IL 60005 Ph 847-806-4486 Fx 847-364-1536 SERVICE 866-854-4768

> Sharlen Electric 9101 S Baltimore Ave Chicago, IL 60655

Attn: Jim Cullen

DATE: 2/27/19 - Revised 4/2/19 & 4/24/19

PROJECT: Division 11 Smoke Control Sequences

#### Work Proposed

We are pleased to quote material for the interface of the new fire alarm system to the JCI Metasys Smoke Control Panels. Scope has been developed to support the County Scope Summary – Final document for Project 19.10.001.

The following is a summary of the materials to be provided:

- 1. DX Adapters as specified on Detail Scope of Work.
- 2. IP Fact Controllers
- 3. Three (3) way solenoid valves

#### Exclusions / Clarifications:

Any new hardware, it is assumed that all equipment necessary to perform the specified sequence is operational

- a. Equipment deficiencies will be identified and proposed as field changes as noted above.
- b. Code verification to be determined by others.
- c. Excludes testing, verification and repair of ALL low voltage wiring into the 3rd floor field solenoid panels. Main air, solenoids and branch air lines will be tested from these field panels.
- d. Excludes all EST system testing, tamper/flow, and elevator recall scope.

  Coordinated testing from EST as it relates to fire sequence initiation, device testing and damper actuation is included.
- e. Excludes MBE/WBE participation.
- f. There could be hardware or equipment issues that do not allow the specified sequences to perform as specified. We can't know at this time whether or not all equipment required to initiate the specified sequence is working properly. For example a VFD or starter might be bad, required equipment might be missing, etc. In these cases, we would generate a discrepancy list that highlights the problem causing the malfunction.

The cost to perform this work is: Fifteen Thousand Two Hundred and Sixty Seven Dollars 51/100 - \$15,267.51

This proposal is hereby accepted and Johnson Controls is authorized to proceed with the work; subject, however, to credit approval by Johnson Controls International, plc Milwaukee, Wisconsin.

This proposal is valid until

June 23, 2019

| Sharlen Electric                        | JOHNSON CONTROLS INTERNATIONAL |
|---|--------------------------------|
|   | les                            |
| Signature                               | Signature                      |
| • · · · · · · · · · · · · · · · · · · · |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |
|   |                                |

#### TERMS AND CONDITIONS

By excepting this proposed. Purchaser excees to be bound by the following leaves and consistence:

- 1. SCOPE (If WORK This proposal is based upon the use of straight time later only. Platining, patering and painting are excluded. "In the "out and piping devices, harboing, but not installed to, volves, dampers, humidaters, wells, tops, flow resters, unifices, etc., if required hereunder to be foreigned by Johnson Controls, inc. (have installed to as ICI), shall be distributed and installed by others under ICI's supervision but at no additional cost to ICI. Purchaser agrees to provide ICI with required field ubibles (electricity, tolets, distributing water, project hoist, security service, etc.) without charge ICI agrees to keep the job site Gran of detail which go not of its aware operature, project hoist, security rested in the sentement of the scope of work or services to have such an expensive without ICI's which consentuates; specifically rested in the sentement of the scope of work or services to sentent keep by ICI under this agreement, ICI's unification, addition, and only control, remained, or dispensal of environment. Here it is agreement electricity in incident to additional or the previous of the agreement electricity which may outstain or enquire the Produces is observed, and in the previous of the agreement electricity which may outstain or enquire the Produces is observed, and the incident to enquire the suppress white consent.
- 2. INVOICING & PAYMENTS. Fifty percent (30%) of the store price will be invoiced upon the execution of this Proposet. AC will invoice Purchase monthly for all materials delivered to the job or off-site storage and work performed. Terms of payment are 30 days from the clase of the invoice. If Purchaser fails to make payment within such time period, all amounts due pursuant to this Proposal shall immerciately become class and payment and Purchaser with be in default. Lien Waivers will be furnished upon request as the work progresses to the extent payments are received.
- 3. NEATERIALS. If the materials or equipment included in this proposal become benegated by parameterity unovalable for reasons beyond the control and without the fault of AC, then in the case of such benegatery varies with the time for performence of the work stall be extended to the extent thereof, and in the case of permanent varies why. AC shall (a) be exceed from furnishing and materials or equipment, and (b) be reinsurated as the difference between the cost of the materials or equipment permanently varieties and the cost of a removably materials standard therefore.
- A VYARTANTY. IC) warrants that the experiment manufactured by it shall be incentral and more and workmanship arising from marral usage for a period of one (1) year from delicety of said experient, or if incelled by ICI, for a period of one (1) year from delicety of said experient, or if incelled by ICI, if or a period of one (1) year from delicety and experiment, or if incelled by ICI, if Prochase periods and conditions which ICI receives from the manufacture of said experiment. For experiment incelled by ICI, if Prochase provides written notice to ICI of any such defect within thirty (20) days after the appearance or decreasy of each defect. ICI shall, at its option, repeir or replace the defective experiment to ICI within thirty (20) days after appearance or decreasy of each defect, ICI shall, at its option, repeir or replace the defective experiment and refrant said experiment to Purchaser. All transportation charges incurred in connection with the workship for experiment and said and the defect has the same properly of a set said to any equipment which has been repeired by ICI and the defect has not described by ICI after the said and a said and the said of the said and the said and the said after the said and properly and reasonably are said and a said and a said and a said and the said and a said a said and a said a said and a said and a said a said and a said a said a said and a said a said a said a
- 5. LIABILITY. IC shall not be listed for any special, indirect to consequential damages wising in any manner from the equipment or material familiest or the work performed pursuant to this agreement.
- 6. TAXES. The price of this proposal does not include this is, sales, one, entire, or other similar taxes, unless respired by federal, state or local law. In addition to the stated price, purchaser shall pay all taxes not legally required to be paid by AC or, alternatively, shall provide ACI with acceptable too exemption continues. ACI shall provide Furchaser with any tax payment continues upon request and other completion and acceptance of the work.
- 7. INCLAYS. At these not be sent to any delay in the preference of the early resulting from or attributed to acts or discussess beyond IC's combod, including, but not similarly to, acts of Soci, fire, nots, later disputes, considers of the premises, acts or onessions of the Partheur, Cover or other Combothors or clays caused by suppliers or subcombothors of ICI, etc.
- 8. COMPLIAINCE WITH LAWS. ICI shall comply with oil applicable federal, stells and localisms and regulations and shall colored all temporary licenses and permits respired for the procured and permits all a permits respired for the procured and paid for by the Purchaser.
- 9. CRSPLITES. As disputes immoving more than \$13,000 shall be resolved by exhibitation in accordance with the rules of the American Artificetion Association. The preventing party shall recover all legal costs and atterney's fees incurred as a result. Nothing here shall limit any rights under construction from laws.
- 10. INSUPANCE. Insurance coverage in oxers of IO's standard divide with be furnished when requested and required. No credit will be given as proximal paid by IO for insurance offencially others.
- 11. INDESTRICTY. The Parties Percis agree to inderectly each other from any and all datables, claims, expenses, losses or danages, instability attorneys fees, virios may make in correction with the execution of the work herein specified and which are caused, in whole or in part, by the negligent act or antistion of the Indemnitying Party.
- 12. OCCUPATEDIAL SAFETY AND ISSALTH. The Parties hereto agree to notify each observivementally upon becoming aware of an inspection under, to very alleged violation of, the Occupational Substy and Reports Act relating in any way to the project or project site.
- 13. LEGAL FEES. Purchaser agrees to pay and reimburse ICI for any and all reasonable legal fees which are incorred by ICI in the collection of amounts she and payable under this Agreement.
- 14. ENTIFE AGRECIAENT. This proposes, upon exceptance, shall constitute the entire agreement between the parties and supersented any prior representatives or understandings.
- 13. Cliables. No crange or modification of any of the terms and conditions stated hereinshall be binding upon Johnson unless accepted by Johnson in validing.

# Johnson Controls Inc. Material List

| Date: |
|-------|
|-------|

Project Name:

1/0/1900

Contract #:

0

Reference:

Description:

Verify accuracy of new fire alarm panel terminations to the JCI control panels.

#### JOHNSON CONTROLS MATERIAL

|            | CODE NUMBER    | DESCRIPTION            | QTY | PRICE      | TOTAI<br>PRICI |
|------------|----------------|------------------------|-----|------------|----------------|
| CSR        | H934           | IP Fact Controllers    | 4   | \$171.07   | \$684.28       |
| Controller | DX-FAC-ADAPTER | ASSY DX ADAPTER        | 6   | \$2,127.59 | \$12,945.54    |
| Solenoid   | V-2410-2       | VALVE, SOL. AIR, 3-WAY | 5   | \$ 327.53  | \$1,637.68     |
|            |                |                        |     |            |                |
|            |                |                        |     |            |                |
|            |                |                        |     |            | \$ 15,267.51   |

#### VENDOR MATERIAL

| DEVICE TAG   | CODE NUMBER          | DESCRIPTION | QTY | PRICE | TOTAL<br>COST |  |  |
|--------------|----------------------|-------------|-----|-------|---------------|--|--|
|              |                      |             |     |       |               |  |  |
|              |                      |             |     |       |               |  |  |
|              |                      |             |     |       |               |  |  |
|              |                      |             |     |       |               |  |  |
| Total Vendor | otal Vendor Material |             |     |       |               |  |  |

#### CONSTRUCTION MATERIAL

| DEVICE TAG    | CODE NUMBER | DESCRIPTION | QTY | UNIT COST | TOTAL<br>COST |
|---------------|-------------|-------------|-----|-----------|---------------|
|               |             |             |     |           |               |
| Total Constru |             |             |     |           |               |

# **Job Order Contract**

Date:

### Non Pre-Priced Worksheet

May 20, 2019

| Contract Number:<br>Job Order Number:<br>Job Order Title: | 1555-14475-EC8<br>063418.00<br>Cook County DOC Division | n XI Fire Life Safety Upgrades  |
|---|---|---|
| Contractor:   | Sharlen Electric Company                                |   |
| CSI Number  | UOM   | DESCRIPTION   |
| 23 00 00 0  | 0 0062 LOT  | JOHNSON CONTROLS MATERIALS NOT INCLUDED IN CATALOG. DX ADAPTERS, IP FAC CONTROLLERS, 3-WAY SOLENOID VALVES. |
| Factor:   | 1.0000  | Unit Price: \$15,267.51   |
| Quantity:   | 1.00  | Line Item Total: \$15,267.51  |
| Proposal Tota   | ai: \$356,216.28  | % of Job Order Total: 4.29%   |
| NON PRE-P   | RICED WORKSHEET   |   |
| A   |   | Direct Labor Rate without fringes (for Trades not in Construction Task Catalog)                             |
| В   | \$15,267.51   | Direct Material Costs (supported by three supplier quotes)  |
| C   |   | Direct Equipment Costs (for Equipment not in Construction Task Catalog)                                     |
| D   |   | Subcontractor Costs (supported by three Subcontractor quotes)   |
|   |   |   |
| Total Co  | st of Non Pre-Priced Task                               | = (A+B+C) x Non Pre-priced Adjustment Factor  |
| Total Co  | st of Non Pre-Priced Task =                             | ≃ (A+B+C+D) x Non Pre-Priced Adjustment Factor  |
|   |   |   |
|   |   |   |
|   |   |   |
|   |   |   |
| Quotes  |   |   |
|   |   | A Justification Letter must be attached if 3 quotes are not furnished.)                                     |
|   | Johnson Control   | post  |
| 2   |   | <u> </u>  |
| 3   |   | \$  |



Electrical Contracting
Communications Technology
Building Maintenance
Underground Utilities

May 28, 2019

Re: 063418.00 Cook County DOC Division XI Fire Life Safety Upgrades

Three quotes for the NPP Items is not provided due to the proprietary nature of the items. Johnson Controls, Inc. is the only authorized provider of these items.

Sincerely,

Jason a. Achef



Cook County
Office of Planning & Policy
69 W Washington
Chicago, IL 60602

Date: May 23, 2019

Sub-Order Total:

\$356,216.28

#### **Disclosure of Retained Parties**

#### A. Definitions and Disclosure Requirements

- 1. As used herein, the term Contractor or Contracting Party means a person that enters into a Contract with the County of Cook.
- Every contract and lease must be accompanied by a disclosure statement Providing certain information and attorneys, lobbylsis, accountants, consultants, subcontractors and other persons.
- 3. The Contractor is not required to disclose employees who are paid solely through the Contractor's regular payroll.
- 4, "Lobbyist" means any person (a) who tobbies, (b) for compensation, (c) attempt to influence a County official or County employee with respect to any County matter.

#### B. Certification

Contractor hereby certifies as follows:

- 1 This Disclosure relates to the following transaction:
- 2. Project name: 063418.00 Cook County DOC Division XI Fire & Life Safety Upgrade
- 3. Name of Contractor: Cook County Sharlen Electric Company

EACH AND EVERY attorney, lobbyist, accountant, consultant, subcontractor, or other person retained or anticipated to be retained by the Contractor with respect to or in connection with the contract or lease is fisted below (attach additional pages if necessary):

| Name                    | Business<br>Address                               | MBE<br>WBE<br>or Non | RelationShip<br>(attorney,lobbylst,<br>subcontractor,etc.) | FEE(Indicate<br>whether paid<br>\$ or estimated) |
|-------------------------|---|----------------------|--|--|
| Broadway Electric, Inc. | 831 Oakton Street<br>Elk Grove Village, IL, 60007 | Non                  | Subcontractor  | \$308,681.00 Est.                                |

CHECK HERE IF NO SUCH PERSONS HAVE BEEN RETAINED OR ARE ANTICIPATED TO BE RETAINED\_

- 4. The Contractor Understands and agrees that the County may rely on the information provided herein and that providing any false incomplete or inaccurance information shall constitute default under the contract and may result in termination of the contract or lease
- 5. The Contractor understands and agress that in any case in which the Contractor is uncertain whether a disclosure is required under the Executive order, the Contractor must either ask the city whether disclosure is required or make the disclosure.

Under the Penalties of perjury, I certify that I am authorized to execute this Disclosure on behalf of the Contractor that the information disclosed herein is true and complete, and that no relevant information has been withheld.

| Wille                 | 05/24/19       |
|-----------------------|----------------|
| Signature U           | Date           |
| William J. Cullen III | Vice-President |
| Name (Type or Print)  | Title          |

Subscribed and swom to before me

Notary Public Signature

May 20 19

Notary Public Signature

REENA L PIETRASZAK Official Seat Notary Public - State of Illinois My Commission Expires Aug 17, 2020

Contract #1555-14475-EC8 Job Order: 063418.00

# Cook County Office of the Chief Procurement Officer Identification of Subcontractor/Supplier/Subconsultant Form

|       | OCPO ONLY:       |
|-------|------------------|
| 1967  | Disqualification |
| \ \ \ | Check Complete   |
| سسب   |                  |

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 event that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

| Bid/RFP/RFQ No.;   | Contract #1555-14475-EC8<br>Job Order: 063418.00 | Date:  | May 24, 2019                              |
|--|--|--|---|
| Total Bid or Proposi                                     | al Amount: \$356,216.28                          | Contract Title: Cook Co  | unty DOC Division XI Fire Life Safety Upo |
| Contractor:  | Sharlen Electric Company                         | Subcontractor/Supplier/<br>Subconsultant to be<br>added or substitute: | Broadway Electric, Inc.                   |
| Authorized Contact for Contractor:                       | William J Cullen III                             | Authorized Contact for<br>Subcontractor/Supplier/<br>Subconsultant;    | Kristen A. Murphy                         |
| Email Address<br>(Contractor):                           | wjc@sharlen.com                                  | Email Address<br>(Subcontractor):                                      | kmurphy@broadwayelectric.com              |
| Company Address (Contractor):                            | 9101 S. Baltimore Ave                            | Company Address<br>(Subcontractor):                                    | 831 Oakton St.                            |
| City, State and Zip (Contractor):                        | Chicago, IL 60617                                | City, State and Zip (Subcontractor):                                   | Elk Grove Village, IL 60007               |
| Telephone and Fax (Contractor):                          | (773) 721-0700 F: (773) 721-9208                 | (Subcontractor).   | F: (847) 593-0001 F: (847) 593-0010       |
| Estimated Start and<br>Completion Dates<br>(Contractor): | СВТ  | Estimated Start and<br>Completion Dates<br>(Subcontractor):            | TBD                                       |

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

| Description of Services or Supplies  | <u>Total Price of</u> <u>Subcontract for</u> <u>Services or Supplies</u> |
|--|--|
| Division XI - Retesting of all end devices installed and tested January 2017. (excludes device replacement); HVAC Fan Shuldown - typical of 4 pods and core. Provide and tie in new relays and relay boxes, fan shuldown and sequencing, programming and testing, (excludes device replacement.); Provide and Install one pair of tamper and flow switches in room 180-junitor closet. | \$308,681.00   |

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 principal 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.

| Sharlen Electric Company   |              |
|----------------------------|--------------|
| Contractor                 |              |
| William J. Cullen III      |              |
| Name                       |              |
| Vice President             |              |
| Title ( ) ( ) ( ) ( )      | May 24, 2019 |
| Prime Contractor Signature | Date         |

Work Order Number:

063418.00

Contractor: Cook County - Sharlen Electric

Company

Work Order Title:

Cook County DOC Division XI Fire & Life Safety Upgrade

Date:

June 04, 2019

Contract Number:

1555-14475-EC8

## Compliance M/W/SBE Estimate

The contractor has submitted their final package documents for the work order and reviewed by the Gordian Group. Following is the proposed list of minority owned, woman owned and small business subcontractors and material suppliers proposed for the above Work Order. This estimate is submitted with the final Work Order Proposal in the amount of \$356,216.28.

| Contractor              | Dutles                          | Trade | M/W/SBE<br>Status | Total \$     | M/W/SBE \$ | % of Project |
|-------------------------|---------------------------------|-------|-------------------|--------------|------------|--------------|
| Broadway Electric, Inc. | Electrical and Life Safety Work | S     | N                 | \$308,681.00 | \$0.00     | 0.00%        |

Trades - C: Contractor, S: Subcontractor, M: Material Supplier

\$308,681.00

\$0.00

0.00%

M: Minority; W: Women; S:Small Business

| Total MBE Subcontractor Participation Scheduled Total MBE Supplier Participation Scheduled | \$0.00<br>\$0.00 | 0.00%<br>0.00% | \$0.00          | MBE Total |
|--|------------------|----------------|-----------------|-----------|
| Total WBE Subcontractor Participation Scheduled Total WBE Supplier Participation Scheduled | \$0.00<br>\$0.00 | 0.00%<br>0.00% | \$0.00<br>0.00% | WBE Total |
| Total SBE Supplier Participation Scheduled Total SBE Supplier Participation Scheduled      | \$0.00<br>\$0.00 | 0.00%<br>0.00% | \$0.00          | SBE Total |
| Total M/W/SBE Participation Scheduled  | \$0.00           | 0.00%          | <del>.</del>    |           |

Year to Date(Above project estimates are NOT included in totals to date.)

MBE:

12.33%

WBE:

21.40%

SBE:

0.00%

(Contractor) Project Manager

Project Director

# PETITION FOR REDUCTION/WAIVER OF MBE/WBE PARTICIPATION - FORM 3

| A. BIDDER/PROPOSER HEREBY REQUESTS:  |
|--|
| ✓ FULL MBE WAIVER ✓ FULL WBE WAIVER  |
| REDUCTION (PARTIAL MBE and/or WBE PARTICIPATION)   |
| % of Reduction for MBE Participation % of Reduction for WBE Participation  |
| B. REASON FOR FULL/REDUCTION WAIVER REQUEST  |
| Bidder/Proposer shall check each item applicable to its reason for a waiver request. Additionally, support documentation shall be submitted with this request.   |
| (1) Lack of sufficient qualified MBEs and/or WBEs capable of providing the goods or services required by the contract. (Please explain)  |
| (2) The specifications and necessary requirements for performing the contract make it impossible or economically infeasible to divide the contract to enable the contractor to utilize MBEs and/or WBEs in accordance with the applicable participation. (Please explain)  |
| (3) Price(s) quoted by potential MBEs and/or WBEs are above competitive levels and increase cost of doing business and would make acceptance of such MBE and/or WBE bid economically impracticable taking into consideration the percentage of total contract price represented by such MBE and/or WBE bid. (Please explain)   |
| (4) There are other relevant factors making it impossible or economically infeasible to utilize MBE and/or WBE firms. (Please explain)   |
| C. GOOD FAITH EFFORTS TO OBTAIN MBEWBE 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 of copy 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 of copy 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.

Revised: 01/29/14



Electrical Contracting
Communications Technology
Building Maintenance
Underground Utilities

May 24, 2019

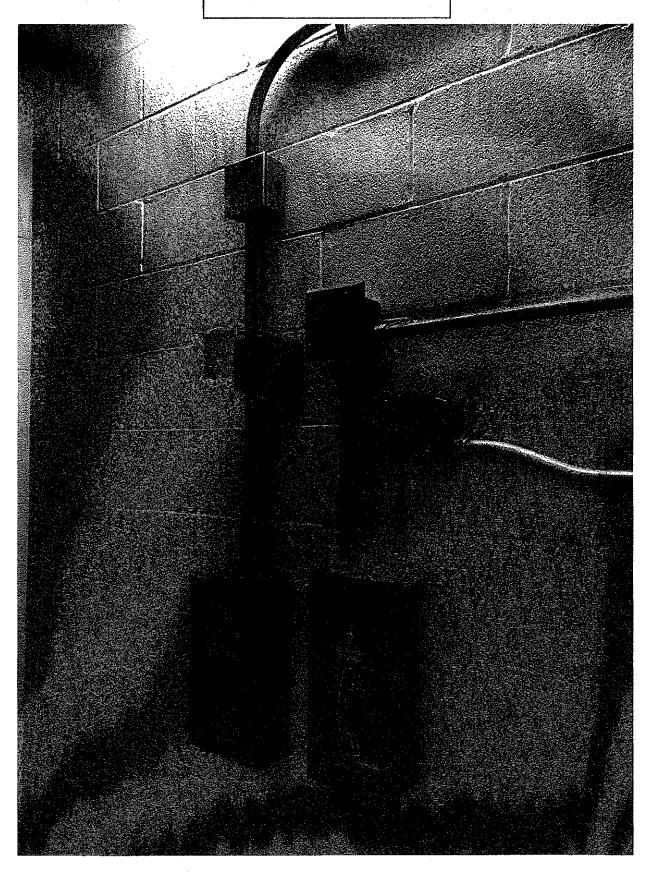
Re: 063418.00 Cook County DOC Division XI Fire Life Safety Upgrades

We are requesting full MBE and WBE waiver because Broadway Electric is the only qualified subcontractor for this project. Their subcontractors (Johnson Controls, Inc., Esscoe, and Metropolitan Fire Protection) are the only qualified contractors to work on their respective proprietary systems. No work remains for any other subcontractors or suppliers to be utilized.

Sincerely,

----

# Existing fire alarm system and strobes



Existing connection to be reinstall and test



Fire alarm panels for reconnection with new system

