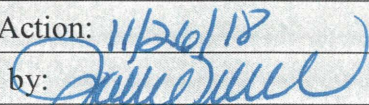


CITY OF
WASILLA
 • ALASKA •

| | |
|---|----------------------------------|
| Council Action: | |
| Approved: <input checked="" type="checkbox"/> | Denied: <input type="checkbox"/> |
| Date of Action: 11/26/18 | |
| Verified by:  | |


CITY COUNCIL ACTION MEMORANDUM

AM No. 18-44: Contract Award to Electric Power Constructors in the amount of \$123,999 for the Clapp Street Intersection Lighting Project.

Originator: Public Works Director
 Date: November 7, 2018

Agenda of: November 26, 2018

| Route to: | Department Head | Signature | Date |
|-----------|------------------------------|--|---------|
| X | Public Works Director |  | 11/7/18 |
| X | Finance Director |  | 11/8/18 |
| X | Recreation Services Director |  | 11/7/18 |
| X | Deputy Administrator |  | 11/7/18 |
| X | City Clerk |  | |

Reviewed by Mayor Bert L. Cottle:  11/8/2018

Fiscal Impact: yes **Funds Available:** yes \$123,999

Account name/number: S. Mack Dr.-Reapp-State/160-4320-432.45-65 \$114,529
 CMMSC-Building Imp/340-4539-453.45-05 \$9,470

Attachments: Bid Totals and Project Description (3 pages)

Summary Statement: This contract award is primarily funded through a State of Alaska Grant for the Clapp Street Improvement project. The grant funded portion of the project will install three street lights along Clapp Street in front of the Menard Center. More specifically, the street lights will be installed at each of the three driveway approaches for the Menard Center property, that includes the Lucile Creek Trail Head all of which is described as Schedule A of the contract.

Schedule B of the contract will supply power to the log cabin building located in front of the Menard Center building. This building is being renovated such that it can be used to support future events at the Menard Center.

Staff Recommendation: Adopt AM No.18-44.

BID TOTALS

ITB: 0920-0-2018/AG

Clapp Street Intersection Lighting

October 20, 2018 @ 2 pm

| BIDDER | New Horizons Telecom, Inc. | Premier Electric, LLC | JTA Construction | Electric Power Constructors | Wolverine Supply |
|-------------------|---------------------------------------|----------------------------------|-----------------------------|--|-----------------------------|
| Schedule A | \$125,536.10 | \$173,890.00 | \$313,090.00 | \$114,528.59 | \$257,190.00 |
| Schedule B | \$9,271.59 | \$14,400.00 | \$23,200.00 | \$9,470.41 | \$14,000.00 |
| TOTAL BID | \$134,807.69 | \$188,290.00 | \$336,290.00 | \$123,999.00 | \$271,190.00 |

| BIDDER | | | | | |
|-------------------|--|--|--|--|--|
| Schedule A | | | | | |
| Schedule B | | | | | |
| TOTAL BID | | | | | |

CITY OF WASILLA
CLAPP STREET INTERSECTION LIGHTING

SPECIAL PROVISIONS

SECTION 100.01 LOCATION AND SCOPE

All proposed Work is located within the City of Wasilla corporate limits and is more particularly located on the design drawings. The Work included under this Contract consists of furnishing all labor, materials, equipment, supervision, and other facilities necessary to successfully complete the Work set forth in the Drawings and specifications. It shall be the responsibility of the bidder to prepare his/her bid so that all materials and/or fittings shall harmoniously conform to the intent of the Contract Drawings, Specifications, and Special Provisions.

Below are the schedules of Work that are presented in the Bid Proposal of this Contract:

| <u>SCHEDULE</u> | <u>DESCRIPTION</u> |
|-----------------|--|
| A | Base Bid – Clapp Street Lighting Improvements Install intersection lighting at three locations consisting of eight luminaires, two load centers, and approximately 1,600 linear feet of 2” electrical conduit and conductor wire. |
| B | Additive Alternate – Additional Load Center. Includes all work necessary to construct one additional load center. |

SECTION 100.02 SPECIFICATIONS, CODES, ORDINANCES AND STANDARDS

The Contractor shall perform all construction in accordance with the Contract Documents, which include the **Municipality of Anchorage “Standard Specifications”, dated 2015 (hereinafter referred to as MASS)**, as herein revised and supplemented. These are available for download on the Municipality of Anchorage website, at the following link:

https://www.muni.org/Departments/project_management/Pages/MASS.aspx

All Work under this Contract shall comply with the Alaska Traffic Manual – Manual on Uniform Traffic Control Devices (MUTCD), with the Alaska supplement latest edition; and the International Building Code, latest edition adopted by the City of Wasilla. When conflicts exist between MASS and MUTCD, the requirements of MASS and these Special Provisions shall govern.

SECTION 100.03 MODIFICATIONS AND/OR ADDITIONS TO MASS

The following enumerated provisions of MASS are amended as hereinafter stated:

ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION |
|--------------------------------------|--|
| ○ | ELECTROJOUR |
| --- | CONDUIT RUN UNDERGROUND OR IN CONCRETE |
| ⊖ | MOLDED CASE CIRCUIT BREAKER, X = AMPERE RATING, Y = NO. OF POLES |
| M | WATHOUR METER |
| □ | PANELBOARD |
| ⊕ | 120V, DUPLEX RECEPTACLE, NEMA CONFIGURATION 5-20R, ON SMA GFCI CIRCUIT BREAKER |
| □ | TYPE 1A JUNCTION BOX |
| □ | TYPE 2 JUNCTION BOX |
| ⊥ | GROUNDING |
| ⊥ | EXISTING PAD-MOUNT TRANSFORMER |
| OTHER SYMBOLS ARE AS DEFINED BY NOTE | |

ELECTRICAL EQUIPMENT SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER, OR EQUAL |
|------|---|---|
| E1 | 100A, 208/120V, 3-PHASE, NEMA 3R METER SOCKET, PROVIDE WITH TEST BLOCK BYPASS | SQUARE D |
| E2 | 400A, 208/120V, 3-PHASE, NEMA 3R LOADCENTER | SQUARE D NQ418LIC INTERIOR MH26WP ENCLOSURE |
| E3 | 400A CT ENCLOSURE | |
| E4 | 400A ENCLOSED CIRCUIT BREAKER | |

GENERAL ELECTRICAL NOTES

- ALL LIGHT FIXTURES, SWITCHES AND RECEPTACLES SHALL BE MOUNTED ON/IN TYPE FS/FD BOXES WITH GASKETED NEMA 3R COVERS.
- CALL BEFORE YOU DIG. HAVE ALL UTILITIES, PROPERTY LINES AND EASEMENTS LOCATED PRIOR TO STARTING WORK. IMMEDIATELY NOTIFY THE ENGINEER IN THE EVENT OF CONFLICTS.
- ELECTRICAL IMPROVEMENTS ARE NOT PERMITTED TO BE INSTALLED OUTSIDE OF THE RIGHT-OF-WAY OR WITHIN A UTILITY EASEMENT. IMMEDIATELY NOTIFY THE ENGINEER IN THE EVENT OF CONFLICTS.
- COORDINATE LOAD CENTER INSTALLATIONS WITH MEA PRIOR TO INSTALLATION. INSTALLATIONS DEVIATING FROM THE PLANS SHALL BE APPROVED BY MEA AND THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- HDPE SHALL BE INSTALLED UNLESS OTHERWISE NOTED.
- PROVIDE SCOTCH CAL 220 DECALS ON EXTERIOR OF NEW LOAD CENTER DENOTING OWNER (COW) AND PURPOSE (LU).
- ATTACH LAMINATED POWER ONE LINE AND SUMMARY INSIDE EACH LOAD CENTER DOOR.
- PROVIDE ARC FLASH WARNING LABELS WITH INCIDENT ENERGY LEVEL VALUES AND PERSONNEL PROTECTIVE EQUIPMENT (PPE) REQUIREMENTS ON EACH PIECE OF EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 110.16 AND NFPA 70E.
- PROVIDE LABELS INDICATING MAXIMUM AVAILABLE FAULT CURRENT ON EACH PIECE OF SERVICE EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 110.24.
- UNLESS OTHERWISE DIRECTED, POLE SETBACKS SHALL BE ACCORDING TO THE FOLLOWING SCHEDULE:
 - 2' MINIMUM FROM EDGE OF SIDEWALK OR PATHWAY.
 - 4' MINIMUM FROM BACK OF CURB.
- EXISTING UTILITIES HAVE BEEN SHOWN TO HELP IDENTIFY AREAS OF CONFLICT. EXISTING UTILITIES HAVE BEEN INSERTED FROM AS-BUILT DRAWINGS; WHERE SINGLE LINES ARE SHOWN MULTIPLE LINES MAY BE ENCOUNTERED, SINGLE LINES WERE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES; HAND DIG WITHIN THREE (3) FEET OF ALL LOCATED UTILITIES.

MOUNTING HEIGHT SCHEDULE

| EQUIPMENT | HEIGHT |
|---|-------------|
| PANELBOARDS (TOP) | 72" |
| POWER METER BASE (CENTER LINE OF SOCKET) | PER UTILITY |
| CONTACTORS, MOTOR STARTERS, DISCONNECT SWITCHES (TOP) | 66" |
| RECEPTACLES IN NON-FINISHED AND MECHANICAL SPACES | 48" |
| WALL MOUNTED SWITCHES | 46" |

PROJECT SUMMARY

- PROJECT INCLUDES THE FOLLOWING WORK:
- INSTALLATION OF STREET LIGHTS.
 - INSTALLATION OF ELECTRICAL LOAD CENTERS AND DISTRIBUTION PANELS.
 - BRANCH CIRCUITS FOR: LIGHTING AND RECEPTACLES.

PROJECT NOTES

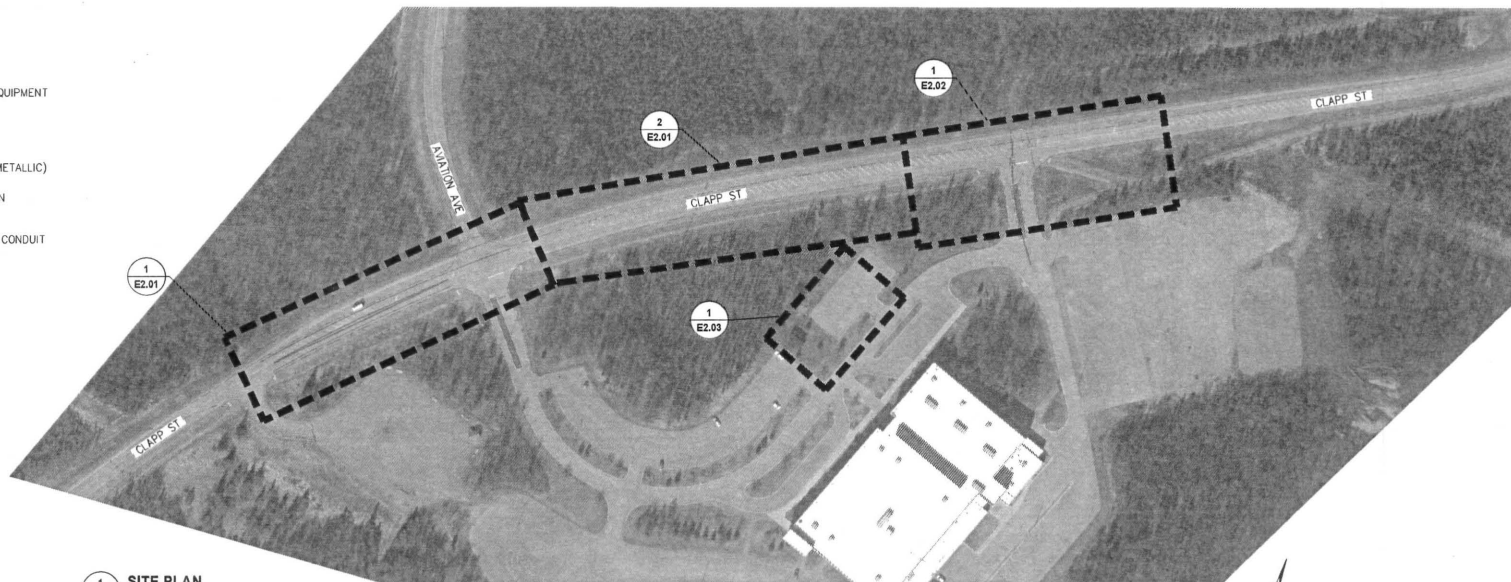
- CLEARING SHALL BE INCIDENTAL TO CONTRACT AND SHALL FOLLOW THE REQUIREMENTS LISTED IN SECTION 20.05.

SCHEDULE OF WORK

- | SCHEDULE | DESCRIPTION |
|----------|--|
| A | BASE BID - CLAPP STREET LIGHTING IMPROVEMENTS INSTALL INTERSECTION LIGHTING AT THREE LOCATIONS CONSISTING OF EIGHT LUMINAIRES, TWO LOAD CENTERS, AND APPROXIMATELY 1,600 LINEAR FEET OF 2" ELECTRICAL CONDUIT AND CONDUCTOR WIRE. |
| B | ADDITIVE ALTERNATE 1 - ADDITIONAL LOAD CENTER INCLUDES ALL WORK NECESSARY TO CONSTRUCT ONE ADDITIONAL LOAD CENTER. |

ABBREVIATIONS

| | |
|--------|--|
| A | AMPERE |
| AWG | AMERICAN WIRE GAUGE |
| BCU | BARE COPPER |
| C | CONDUIT |
| CIP | CAST IN PLACE |
| COW | CITY OF WASILLA |
| CU | COPPER |
| DWGS | DRAWINGS |
| G, GND | GROUND CONDUCTOR |
| GES | GROUNDING ELECTRODE SYSTEM |
| GF1 | GROUND FAULT INTERRUPTING |
| GFPE | GROUND FAULT PROTECTION OF EQUIPMENT |
| H | HOT CONDUCTOR |
| HOA | HAND-OFF-AUTO |
| J-BOX | JUNCTION BOX |
| KVA | KILO-VOLT-AMPERES |
| LTF | LIQUID TIGHT FLEXIBLE CONDUIT (METALLIC) |
| MCB | MAIN CIRCUIT BREAKER |
| MEA | MATANUSKA ELECTRIC ASSOCIATION |
| N | NEUTRAL CONDUCTOR |
| NTS | NOT TO SCALE |
| RMC | RIGID METAL (GALVANIZED STEEL) CONDUIT |
| SS | STAINLESS STEEL |
| TYP | TYPICAL |
| UN | UNLESS OTHERWISE NOTED |
| V | VOLTS |
| W | WATTS |
| WP | WEATHERPROOF |
| XFMR | TRANSFORMER |



1 SITE PLAN
E1.01 SCALE: 1"=100'-0"

| REVISION | DATE | DESCRIPTION |
|----------|------|-------------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |



EDC, INC.
213 W. FIREWEED LANE
ANCHORAGE, AK 99503
(907) 276-7933
LICENSE NO. AEC0705



CLAPP STREET INTERSECTION LIGHTING
CITY OF WASILLA
WASILLA, ALASKA

| | | | |
|--|-------------------|--|--|
| PROJECT TITLE ELECTRICAL LEGEND ABBREVIATIONS AND SITE PLAN | | | |
| SHEET E1.01 | | | |
| DRAWN BY CB | CHECKED BY RMP | | |
| DATE SEP. 2018 | SCALE AS NOTED | | |
| JOB NUMBER 17-033 | | | |