# CITY OF WEST DES MOINES
# CITY COUNCIL MEETING COMMUNICATION

**DATE: July 1, 2019**

**ITEM:**

Public Hearing (5:35 p.m.)
Fiber Conduit Interconnect Project – Green Route
0510-017-2017

**FINANCIAL IMPACT:**

The engineering estimate of construction cost was estimated to be $976,538.00 for the Fiber Conduit Interconnect Project – Green Route. There were six (6) bids submitted with the low bid of $589,856.50 being submitted by Price Industrial Electric, Inc. of Robins, Iowa. Payments will be made from account no. 500.000.000.5250.490. The City is acting as the coordinating agency for the project; Microsoft is providing all funding and will reimburse the City as invoiced.

**BACKGROUND:**

The Fiber Conduit Interconnect Project – Green Route includes installation of a multi-duct conduit pathway along the S. 60th Street, Adams Street, S. 50th Street, Maffitt Lake Road, SE 35th Street, Iowa Highway 5 and SE Soteria Avenue corridors. Improvements include horizontal directional drilling approximately 32,131 lineal feet of multi-duct conduit and appurtenances. Upon completion the conduit and structures will be transferred to Microsoft for perpetual operation and maintenance. The project is anticipated to be completed by October 31, 2019.

This agenda item was distributed to the Public Services Subcommittee by e-mail only since there was no meeting.

**OUTSTANDING ISSUES:**

None.

**RECOMMENDATION:**

City Council Adopt:

- Resolution adopting Plans, Specifications, Form of Contract, and Estimate of Costs for Fiber Conduit Interconnect Project – Green Route;
- Motion receiving and filing Report of Bids;
- Resolution waiving bid irregularities and awarding the construction contract to Price Industrial Electric, Inc.

**Lead Staff Member: Brian J. Hemesath, P.E., City Engineer** BJH

**STAFF REVIEWS**

| | |
|---|---|
| Department Director | Brian J. Hemesath, P.E., City Engineer |
| Appropriations/Finance | Tim Stiles, Finance Director |
| Legal | Richard Scieszinski, City Attorney RJS |
| Agenda Acceptance | KW |

**PUBLICATION(S)** (if applicable)

| | |
|---|---|
| Published In | Des Moines Register |
| Dates(s) Published | June 21, 2019 |

**SUBCOMMITTEE REVIEW** (if applicable)

| | | | |
|---|---|---|---|
| Committee | | | |
| Date Reviewed | | | |
| Recommendation | Yes | No | Split |

**RESOLUTION APPROVING ADOPTING PLANS, SPECIFICATIONS, FORM OF CONTRACT, AND ESTIMATE OF COST**

**WHEREAS,** on June 3, 2019, Plans, Specifications, Form of Contract, and Estimate of Cost were filed with the City Clerk for the following described public improvement:

**Fiber Conduit Interconnect Project – Green Route**
**Project No. 0510-017-2017**

and,

**WHEREAS,** notice of hearing on Plans, Specifications, Form of Contract, and Estimate of Cost for said public improvements were published as required by law;

therefore,

**BE IT FURTHER RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES,** that the Plans, Specifications, Form of Contract, and Estimate of Costs for said Public Improvement are hereby approved.

**PASSED AND APPROVED 1st** day of **July, 2019.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

**RESOLUTION APPROVING THE AWARDING OF A CONTRACT**

**WHEREAS,** the City Council of the City of West Des Moines has heretofore directed advertisement for bids for the following described public improvement:

**Fiber Conduit Interconnect Project – Green Route**
**Project No. 0510-017-2017**

and,

**WHEREAS,** bids have been received and opened by the City Clerk and placed on file by the City Council; and,

**WHEREAS,** irregularities were noted on one of the bids that was received; and,

**WHEREAS,** the irregularities noted were not substantive in nature; and,

**WHEREAS,** the bid of Price Industrial Electric, Inc., in the amount of $589,856.50 was the lowest responsible bid received for said public improvement;

therefore,

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA,** waives the irregularities in the bids that were received.

**BE IT FURTHER RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA,** that a contract for the Fiber Conduit Interconnect Project – Green Route, is hereby awarded to Price Industrial Electric, Inc., in the amount of $589,856.50 and the bond of said bidder for the project is hereby fixed in the same amount.

**BE IT FURTHER RESOLVED** that the City Engineer is authorized and directed to return bid bond(s) and/or check(s) to any unsuccessful bidder.

**BE IT FURTHER RESOLVED** that work on said project may commence as soon as the final contract and bond have been approved by the City Engineer and have been signed by the City Clerk and after the contractor is given a written notice to proceed by the City Engineer.

**PASSED AND ADOPTED** on this **1st** day of **July, 2019.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

**West Des Moines Fiber Interconnect**
**Bid Tabulation - Green Route**
**West Des Moines, Iowa**
**June 26, 2019**

| ITEM NO. | ITEM DESCRIPTION | UNIT | Engineer's Estimate QUANTITY | Engineer's Estimate UNIT PRICE | Engineer's Estimate PRICE | Price Industrial QUANTITY | Price Industrial UNIT PRICE | Price Industrial PRICE | TD & I Cable QUANTITY | TD & I Cable UNIT PRICE | TD & I Cable PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Clearing and Grubbing | LS | 1 | $ 5,000.00 | $ 5,000.00 | 1 | $2,000.00 | $2,000.00 | 1 | $1,500.00 | $1,500.00 |
| 2 | Traffic Control | LS | 1 | $ 5,000.00 | $ 5,000.00 | 1 | $4,000.00 | $4,000.00 | 1 | $3,500.00 | $3,500.00 |
| 3 | Pull Box (2.5'x4'x4'), Furnish and Install | EA | 11 | $ 2,500.00 | $ 27,500.00 | 11 | $2,250.00 | $24,750.00 | 11 | $1,179.87 | $12,978.57 |
| 4 | Vault (4'x6'x7'), Furnish and Install | EA | 14 | $ 13,000.00 | $ 182,000.00 | 14 | $9,950.00 | $139,300.00 | 14 | $10,112.34 | $141,572.76 |
| 5 | Conduit Pathway, 7-Way Multi-Duct, Directional Bored | LF | 32131 | $ 19.00 | $ 610,489.00 | 32131 | $11.50 | $369,506.50 | 32131 | $13.44 | $431,840.64 |
| 6 | Silt Fence or Filter Sock | LF | 8000 | $ 4.50 | $ 36,000.00 | 8000 | $1.65 | $13,200.00 | 8000 | $0.13 | $1,040.00 |
| 7 | Maintenance of Silt Fence or Filter Sock | LF | 8000 | $ 1.50 | $ 12,000.00 | 8000 | $0.10 | $800.00 | 8000 | $0.05 | $400.00 |
| 8 | Removal of Silt Fence or Filter Sock | LF | 8000 | $ 1.00 | $ 8,000.00 | 8000 | $0.25 | $2,000.00 | 8000 | $0.13 | $1,040.00 |
| 9 | Hydraulic Seeding, Fertilizing and Mulching, Type 1 | ACRE | 0.6 | $ 8,000.00 | $ 4,800.00 | 0.6 | $7,500.00 | $4,500.00 | 0.6 | $1,050.00 | $630.00 |
| 10 | Erosion Control Mulching, Conventional | ACRE | 0.6 | $ 6,800.00 | $ 4,080.00 | 0.6 | $4,500.00 | $2,700.00 | 0.6 | $850.00 | $510.00 |
| 11 | Fiber Optic Line Marker | EA | 24 | $ 325.00 | $ 7,800.00 | 24 | $400.00 | $9,600.00 | 24 | $204.00 | $4,896.00 |
| 12 | Permit Requirements | LS | 1 | $ 10,000.00 | $ 10,000.00 | 1 | $1,000.00 | $1,000.00 | 1 | $750.00 | $750.00 |
| 13 | As-Built Documentation | LS | 1 | $ 15,000.00 | $ 15,000.00 | 1 | $2,500.00 | $2,500.00 | 1 | $750.00 | $750.00 |
| 14 | Construction Survey | LS | 1 | $ 30,000.00 | $ 30,000.00 | 1 | $7,500.00 | $7,500.00 | 1 | $930.00 | $930.00 |
| 15 | Multi-Duct Conduit and Tracer Wire Acceptance Testing | LS | 1 | $ 35,000.00 | $ 35,000.00 | 1 | $4,000.00 | $4,000.00 | 1 | $21,645.15 | $21,645.15 |
| 16 | Potholing of Installed Multi-Duct Conduit | EA | 10 | $ 350.00 | $ 3,500.00 | 10 | $250.00 | $2,500.00 | 10 | $85.00 | $850.00 |
| | | | | Sub Total: | $ 996,169.00 | | Total: | $589,856.50 | | Total: | $624,833.12 |

| ITEM NO. | Communication Data Link QUANTITY | Communication Data Link UNIT PRICE | Communication Data Link PRICE | TelCom Construction QUANTITY | TelCom Construction UNIT PRICE | TelCom Construction PRICE | Lan-Tel Communications Services QUANTITY | Lan-Tel Communications Services UNIT PRICE | Lan-Tel Communications Services PRICE | CDB Utility Contractors QUANTITY | CDB Utility Contractors UNIT PRICE | CDB Utility Contractors PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | $7,500.00 | $7,500.00 | 1 | $3,500.00 | $3,500.00 | 1 | $11,500.00 | $11,500.00 | 1 | $40,000.00 | $40,000.00 |
| 2 | 1 | $5,000.00 | $5,000.00 | 1 | $3,500.00 | $3,500.00 | 1 | $3,750.00 | $3,750.00 | 1 | $17,000.00 | $17,000.00 |
| 3 | 11 | $1,841.72 | $20,258.92 | 11 | $3,590.20 | $39,492.20 | 11 | $1,695.00 | $18,645.00 | 11 | $1,500.00 | $16,500.00 |
| 4 | 14 | $14,905.34 | $208,674.76 | 14 | $14,859.60 | $208,034.40 | 14 | $14,220.00 | $199,080.00 | 14 | $23,000.00 | $322,000.00 |
| 5 | 32131 | $12.47 | $400,673.57 | 32131 | $18.63 | $598,600.53 | 32131 | $20.25 | $650,652.75 | 32131 | $23.00 | $739,013.00 |
| 6 | 8000 | $3.50 | $28,000.00 | 8000 | $3.15 | $25,200.00 | 8000 | $1.75 | $14,000.00 | 8000 | $6.50 | $52,000.00 |
| 7 | 8000 | $2.00 | $16,000.00 | 8000 | $0.75 | $6,000.00 | 8000 | $0.11 | $880.00 | 8000 | $1.00 | $8,000.00 |
| 8 | 8000 | $1.00 | $8,000.00 | 8000 | $1.50 | $12,000.00 | 8000 | $0.22 | $1,760.00 | 8000 | $1.00 | $8,000.00 |
| 9 | 0.6 | $4,000.00 | $2,400.00 | 0.6 | $22,857.32 | $13,714.39 | 0.6 | $17,600.00 | $10,560.00 | 0.6 | $10,000.00 | $6,000.00 |
| 10 | 0.6 | $2,500.00 | $1,500.00 | 0.6 | $42,857.32 | $25,714.39 | 0.6 | $33,000.00 | $19,800.00 | 0.6 | $10,000.00 | $6,000.00 |
| 11 | 24 | $132.42 | $3,178.08 | 24 | $115.62 | $2,774.88 | 24 | $565.50 | $13,572.00 | 24 | $200.00 | $4,800.00 |
| 12 | 1 | $5,000.00 | $5,000.00 | 1 | $15,000.00 | $15,000.00 | 1 | $7,500.00 | $7,500.00 | 1 | $10,000.00 | $10,000.00 |
| 13 | 1 | $38,557.20 | $38,557.20 | 1 | $2,500.00 | $2,500.00 | 1 | $7,000.00 | $7,000.00 | 1 | $32,000.00 | $32,000.00 |
| 14 | 1 | $32,131.00 | $32,131.00 | 1 | $15,000.00 | $15,000.00 | 1 | $20,000.00 | $20,000.00 | 1 | $32,000.00 | $32,000.00 |
| 15 | 1 | $32,131.00 | $32,131.00 | 1 | $11,542.00 | $11,542.00 | 1 | $2,500.00 | $2,500.00 | 1 | $32,131.00 | $32,131.00 |
| 16 | 10 | $150.00 | $1,500.00 | 10 | $350.00 | $3,500.00 | 10 | $1,350.00 | $13,500.00 | 10 | $1,000.00 | $10,000.00 |
| | | Total: | $810,504.53 | | Total: | $986,072.79 | | Total: | $994,699.75 | | Total: | $1,335,444.00 |

**Unit Price Extension Discrepancies**

Hydraulic Seeding, Fertilizing and Mulching, Type 1 — 0.6 AC (Q) $4,000/AC (UP) $2,400 (P)
Erosion Control Mulching, Conventional — 0.6 AC (Q) $2,500/AC (UP) $1,500 (P)

| |
|---|
| Q - Quantity |
| UP - Unit Price |
| P - Price |

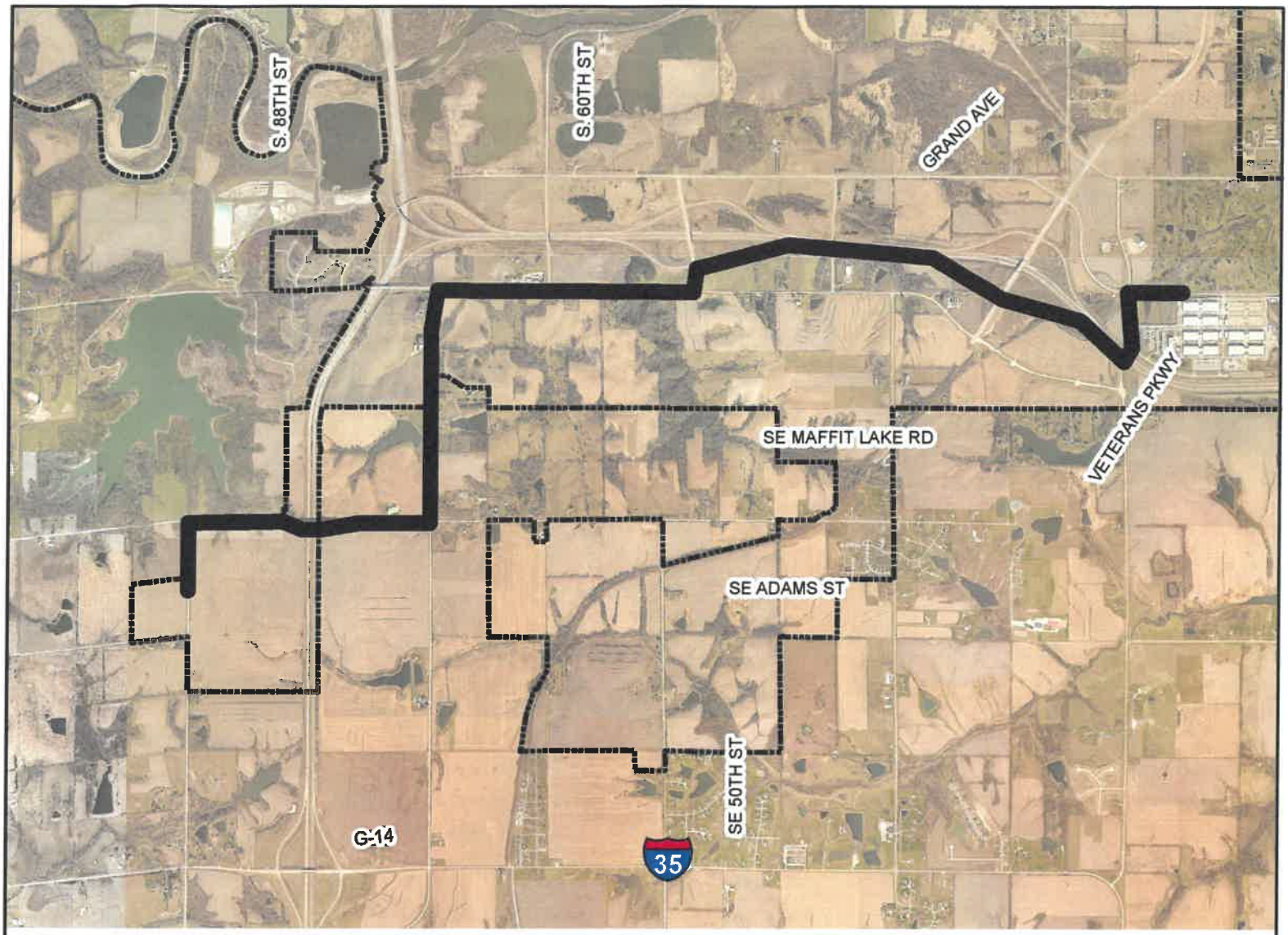
** This bid tab is an accurate tabulation of the bids received with the discrepancies as noted. **

LICENSED PROFESSIONAL ENGINEER GARY L. REID 13840 IOWA

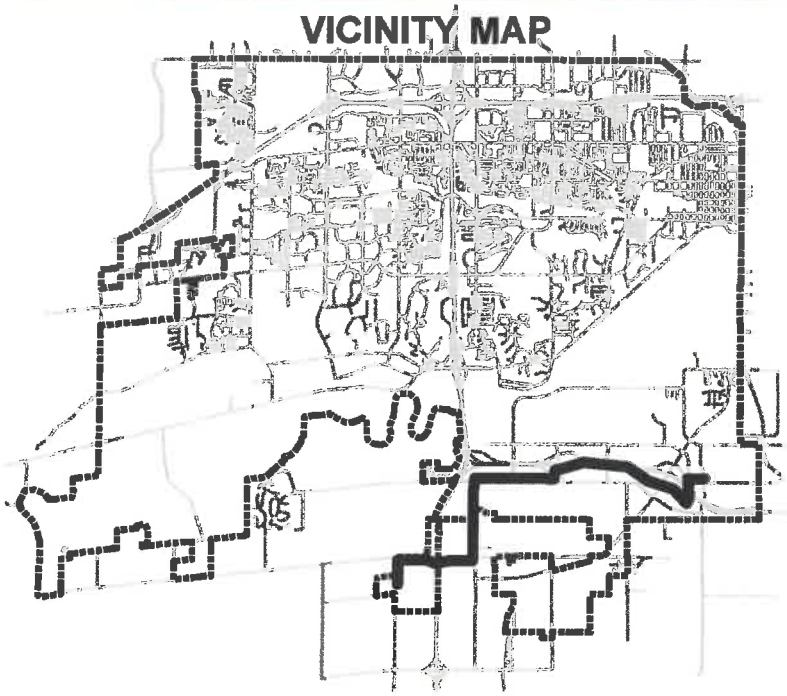
I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

Gary L. Reid, P.E. 6/26/19

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2020
PAGES OR SHEETS COVERED BY THIS SEAL:
Bid Tabulation




## VICINITY MAP



## LEGEND

**PROJECT LOCATION**

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| | | | |
|---|---|---|---|
| THE CITY OF WEST DES MOINES | PROJECT: **Osmium Fiber Conduit** | | |
| | LOCATION: **Exhibit "A"** | | |
| | DRAWN BY: RLC | DATE: 5/24/2019 | PROJECT NUMBER/NAME: 0510-017-2017 | SHT. 1 of 1 |