

**CITY OF WEST DES MOINES  
CITY COUNCIL MEETING COMMUNICATION**

**6(h)**

**DATE: July 6, 2020**

**ITEM:**

Public Hearing (5:35 p.m.)  
Fiber Conduit Inter-Connect (Light Purple Route)  
0510-063-2018

**FINANCIAL IMPACT:**

The engineering estimate of construction cost was estimated to be \$944,613.50 for the Fiber Conduit Inter-Connect (Light Purple Route). There were thirteen (13) bids submitted with the low bid of \$712,688.45 being submitted by Alliance Construction Group, LLC of Urbandale, IA. 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 Inter-connect project (Light Purple Route) includes installation of a 4" HDPE conduit, a multi-duct conduit pathway, structures and surface restoration along the Veterans Parkway, Maffitt Lake Road, SE Soteria Avenue and SE County Line Road corridors in the City of West Des Moines, Iowa. Improvements include horizontal directional drilling approximately 24,403 lineal feet of 4" HDPE conduit, pulling approximately 26,007 lineal feet of multi-duct conduit within the 4" conduit, installation of pull boxes and vaults, installation of tracer wire, racking systems, erosion control, traffic control and other associated improvements necessary to complete the project. The project is anticipated to be completed by November 25, 2020. This agenda item was distributed to the Public Services Subcommittee by e-mail only since the item was brought forward after the June 22, 2020 meeting was held.

**OUTSTANDING ISSUES:**

None.

**RECOMMENDATION:**

City Council Adopt:

- Resolution adopting Plans, Specifications, Form of Contract, and Estimate of Costs for Fiber Conduit Inter-Connect (Light Purple Route);
- Motion receiving and filing Report of Bids;
- Resolution waiving bid irregularities and awarding the construction contract to Alliance Construction Group, LLC.

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

**STAFF REVIEWS**

Department Director	Brian J. Hemesath, P.E., City Engineer
Appropriations/Finance	Tim Stiles, Finance Director <i>TS</i>
Legal	Richard Scieszinski, City Attorney
Agenda Acceptance	<i>[Signature]</i>

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

Published In	Des Moines Register
Dates(s) Published	June 26, 2020

**SUBCOMMITTEE REVIEW (if applicable)**

Committee	Public Services		
Date Reviewed	June 22, 2020		
Recommendation	Yes	No	Split

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

**WHEREAS**, on June 15, 2020, Plans, Specifications, Form of Contract, and Estimate of Cost were filed with the City Clerk for the following described public improvement:

**Fiber Conduit Inter-Connect (Light Purple Route)  
Project No. 0510-063-2018**

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 6th day of July, 2020.**

\_\_\_\_\_  
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 Inter-Connect (Light Purple Route)  
Project No. 0510-063-2018**

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 multiple bids that were received; and

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

**WHEREAS**, the bid of Alliance Construction Group, LLC, in the amount of \$712,688.45 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 Inter-Connect (Light Purple Route), is hereby awarded to Alliance Construction Group, LLC, in the amount of \$712,688.45 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 **6th** day of **July, 2020**.

\_\_\_\_\_  
Steven K. Gaer, Mayor

ATTEST:

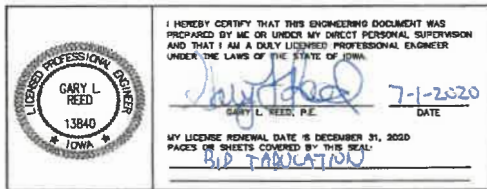
\_\_\_\_\_  
Ryan T. Jacobson, City Clerk

**West Des Moines Fiber Interconnect  
Bid Tabulation - Light Purple Route  
West Des Moines, Iowa  
July 1, 2020**

ITEM NO.	ITEM DESCRIPTION	UNIT	Engineer's Estimate			Alliance Construction Group			Ervin Cable Construction			Beckstrom Construction			The Hydaker-Wheatlake Company		
			QUANTITY	UNIT PRICE	PRICE	QUANTITY	UNIT PRICE	PRICE	QUANTITY	UNIT PRICE	PRICE	QUANTITY	UNIT PRICE	PRICE	QUANTITY	UNIT PRICE	PRICE
1	Clearing and Grubbing	LS	1	\$ 5,000.00	\$ 5,000.00	1	\$ 1,500.00	\$ 1,500.00	1	\$ 1,500.00	\$ 1,500.00	1	\$ 2,500.00	\$ 2,500.00	1	\$ 1,500.00	\$ 1,500.00
2	Traffic Control	LS	1	\$ 5,000.00	\$ 5,000.00	1	\$ 7,000.00	\$ 7,000.00	1	\$ 1,500.00	\$ 1,500.00	1	\$ 5,000.00	\$ 5,000.00	1	\$ 1,650.00	\$ 1,650.00
3	Pull Box (2.5x4x4), Furnish and Install	EA	6	\$ 2,000.00	\$ 12,000.00	6	\$ 1,500.00	\$ 9,000.00	6	\$ 2,109.10	\$ 12,654.60	6	\$ 1,750.00	\$ 10,500.00	6	\$ 7,000.00	\$ 42,000.00
4	Pull Box (2.5x4x4), Install Only	EA	1	\$ 1,000.00	\$ 1,000.00	1	\$ 1,200.00	\$ 1,200.00	1	\$ 800.00	\$ 800.00	1	\$ 1,000.00	\$ 1,000.00	1	\$ 8,500.00	\$ 8,500.00
5	Vault (4x6x7), Furnish and Install	EA	22	\$ 15,000.00	\$ 330,000.00	22	\$ 8,300.00	\$ 182,600.00	22	\$ 9,470.00	\$ 208,340.00	22	\$ 10,800.00	\$ 237,600.00	22	\$ 10,000.00	\$ 220,000.00
6	Conduit, SDR 11 HDPE, 4 In. Dia., Directional Drilled	LF	24403	\$ 18.00	\$ 439,254.00	24403	\$ 11.00	\$ 268,433.00	24403	\$ 115.60	\$ 2,808,685.80	24403	\$ 13.96	\$ 340,665.88	24403	\$ 17.00	\$ 414,851.00
7	Conduit Pathway, 7-Way Multi-Duct, Installed-in-Place	LF	26007	\$ 3.50	\$ 91,024.50	26007	\$ 6.35	\$ 165,144.45	26007	\$ 3.78	\$ 99,306.46	26007	\$ 4.83	\$ 125,613.81	26007	\$ 3.00	\$ 78,021.00
8	Silt Fence or Filter Sock	LF	5760	\$ 1.00	\$ 5,760.00	5760	\$ 1.75	\$ 10,080.00	5760	\$ 1.20	\$ 6,912.00	5760	\$ 2.00	\$ 11,520.00	5760	\$ 1.00	\$ 5,760.00
9	Maintenance of Silt Fence or Filter Sock	LF	5760	\$ 0.75	\$ 4,320.00	5760	\$ 0.50	\$ 2,880.00	5760	\$ 0.25	\$ 1,440.00	5760	\$ 1.00	\$ 5,760.00	5760	\$ 1.00	\$ 5,760.00
10	Removal of Silt Fence or Filter Sock	LF	5760	\$ 0.50	\$ 2,880.00	5760	\$ 0.10	\$ 576.00	5760	\$ 0.75	\$ 4,320.00	5760	\$ 1.00	\$ 5,760.00	5760	\$ 1.00	\$ 5,760.00
11	Hydraulic Seeding, Fertilizing and Mulching, Type 1	ACRE	0.45	\$ 5,000.00	\$ 2,250.00	0.45	\$ 4,000.00	\$ 1,800.00	0.45	\$ 4,000.00	\$ 1,800.00	0.45	\$ 4,000.00	\$ 1,800.00	0.45	\$ 5,000.00	\$ 2,250.00
12	Erosion Control Mulching, Conventional	ACRE	0.45	\$ 2,500.00	\$ 1,125.00	0.45	\$ 2,500.00	\$ 1,125.00	0.45	\$ 4,000.00	\$ 1,800.00	0.45	\$ 4,000.00	\$ 1,800.00	0.45	\$ 5,000.00	\$ 2,250.00
13	Test Station/Fiber Optic Line Marker Combination	EA	13	\$ 500.00	\$ 6,500.00	13	\$ 200.00	\$ 2,600.00	13	\$ 200.70	\$ 2,609.10	13	\$ 300.00	\$ 3,900.00	13	\$ 350.00	\$ 4,550.00
14	Permit Requirements	LS	1	\$ 5,000.00	\$ 5,000.00	1	\$ 2,000.00	\$ 2,000.00	1	\$ 28,000.00	\$ 28,000.00	1	\$ 5,000.00	\$ 5,000.00	1	\$ 1,000.00	\$ 1,000.00
15	As-Built Documentation	LS	1	\$ 10,000.00	\$ 10,000.00	1	\$ 1,750.00	\$ 1,750.00	1	\$ 3,000.00	\$ 3,000.00	1	\$ 20,000.00	\$ 20,000.00	1	\$ 2,000.00	\$ 2,000.00
16	Construction Survey	LS	1	\$ 15,000.00	\$ 15,000.00	1	\$ 35,000.00	\$ 35,000.00	1	\$ 15,000.00	\$ 15,000.00	1	\$ 5,000.00	\$ 5,000.00	1	\$ 7,500.00	\$ 7,500.00
17	Multi-Duct Conduit and Tracer Wire Acceptance Testing	LS	1	\$ 5,000.00	\$ 5,000.00	1	\$ 15,000.00	\$ 15,000.00	1	\$ 16,000.00	\$ 16,000.00	1	\$ 10,000.00	\$ 10,000.00	1	\$ 3,648.00	\$ 3,648.00
18	Potholing of Installed Conduit	EA	10	\$ 350.00	\$ 3,500.00	10	\$ 500.00	\$ 5,000.00	10	\$ 150.00	\$ 1,500.00	10	\$ 1,000.00	\$ 10,000.00	10	\$ 500.00	\$ 5,000.00
			<b>Total:</b>	\$ 944,613.50		<b>Total:</b>	\$ 712,688.45		<b>Total:</b>	\$ 786,166.96		<b>Total:</b>	\$ 803,419.69		<b>Total:</b>	\$ 812,500.00	

Unit Price Extension Discrepancy Total Price Discrepancy Did not acknowledge Addendum #1  
Total Price Discrepancy

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



Castrejon Incorporated			Kramer Service Group			TD&I Cable Maintenance			Lan-Tel Communications Services		
QUANTITY	UNIT PRICE	PRICE	QUANTITY	UNIT PRICE	PRICE	QUANTITY	UNIT PRICE	PRICE	QUANTITY	UNIT PRICE	PRICE
1	\$5,000.00	\$5,000.00	1	\$1,000.00	\$1,000.00	1	\$2,410.27	\$2,410.27	1	\$15,000.00	\$15,000.00
1	\$4,000.00	\$4,000.00	1	\$2,500.00	\$2,500.00	1	\$7,500.00	\$7,500.00	1	\$12,500.00	\$12,500.00
6	\$2,718.00	\$16,308.00	6	\$1,650.00	\$9,900.00	6	\$1,500.00	\$9,000.00	6	\$1,810.00	\$10,860.00
1	\$1,326.00	\$1,326.00	1	\$1,000.00	\$1,000.00	1	\$750.00	\$750.00	1	\$950.00	\$950.00
22	\$10,700.00	\$235,400.00	22	\$12,000.00	\$264,000.00	22	\$13,868.00	\$305,096.00	22	\$11,485.00	\$252,670.00
24403	\$13.60	\$331,880.80	24403	\$16.58	\$404,601.74	24403	\$16.16	\$394,352.48	24403	\$20.45	\$499,041.35
26007	\$6.00	\$156,042.00	26007	\$6.25	\$162,437.50	26007	\$4.31	\$112,090.17	26007	\$4.60	\$119,632.20
5760	\$3.60	\$20,736.00	5760	\$0.00	\$0.00	5760	\$1.88	\$10,828.80	5760	\$1.75	\$10,080.00
5760	\$0.17	\$979.20	5760	\$0.00	\$0.00	5760	\$1.88	\$10,828.80	5760	\$0.11	\$633.60
5760	\$0.17	\$979.20	5760	\$0.00	\$0.00	5760	\$0.15	\$864.00	5760	\$0.22	\$1,267.20
0.45	\$8,250.00	\$3,712.50	0.45	\$2,100.00	\$1,035.00	0.45	\$3,625.00	\$1,631.25	0.45	\$17,600.00	\$7,920.00
0.45	\$4,400.00	\$1,980.00	0.45	\$0.00	\$0.00	0.45	\$750.00	\$337.50	0.45	\$33,000.00	\$14,850.00
13	\$90.00	\$1,170.00	13	\$250.00	\$3,250.00	13	\$225.00	\$2,925.00	13	\$235.00	\$3,055.00
1	\$5,000.00	\$5,000.00	1	\$0.00	\$0.00	1	\$2,500.00	\$2,500.00	1	\$30,000.00	\$30,000.00
1	\$20,000.00	\$20,000.00	1	\$5,000.00	\$5,000.00	1	\$10,725.00	\$10,725.00	1	\$7,000.00	\$7,000.00
1	\$19,250.00	\$19,250.00	1	\$10,000.00	\$10,000.00	1	\$29,510.00	\$29,510.00	1	\$25,000.00	\$25,000.00
1	\$10,000.00	\$10,000.00	1	\$2,500.00	\$2,500.00	1	\$26,007.00	\$26,007.00	1	\$2,500.00	\$2,500.00
10	\$300.00	\$3,000.00	10	\$100.00	\$1,000.00	10	\$500.00	\$5,000.00	10	\$1,350.00	\$13,500.00
<b>Total:</b>			<b>Total:</b>	<b>Total:</b>	<b>Total:</b>	<b>Total:</b>	<b>Total:</b>	<b>Total:</b>	<b>Total:</b>	<b>Total:</b>	<b>Total:</b>

One envelope for bid documents

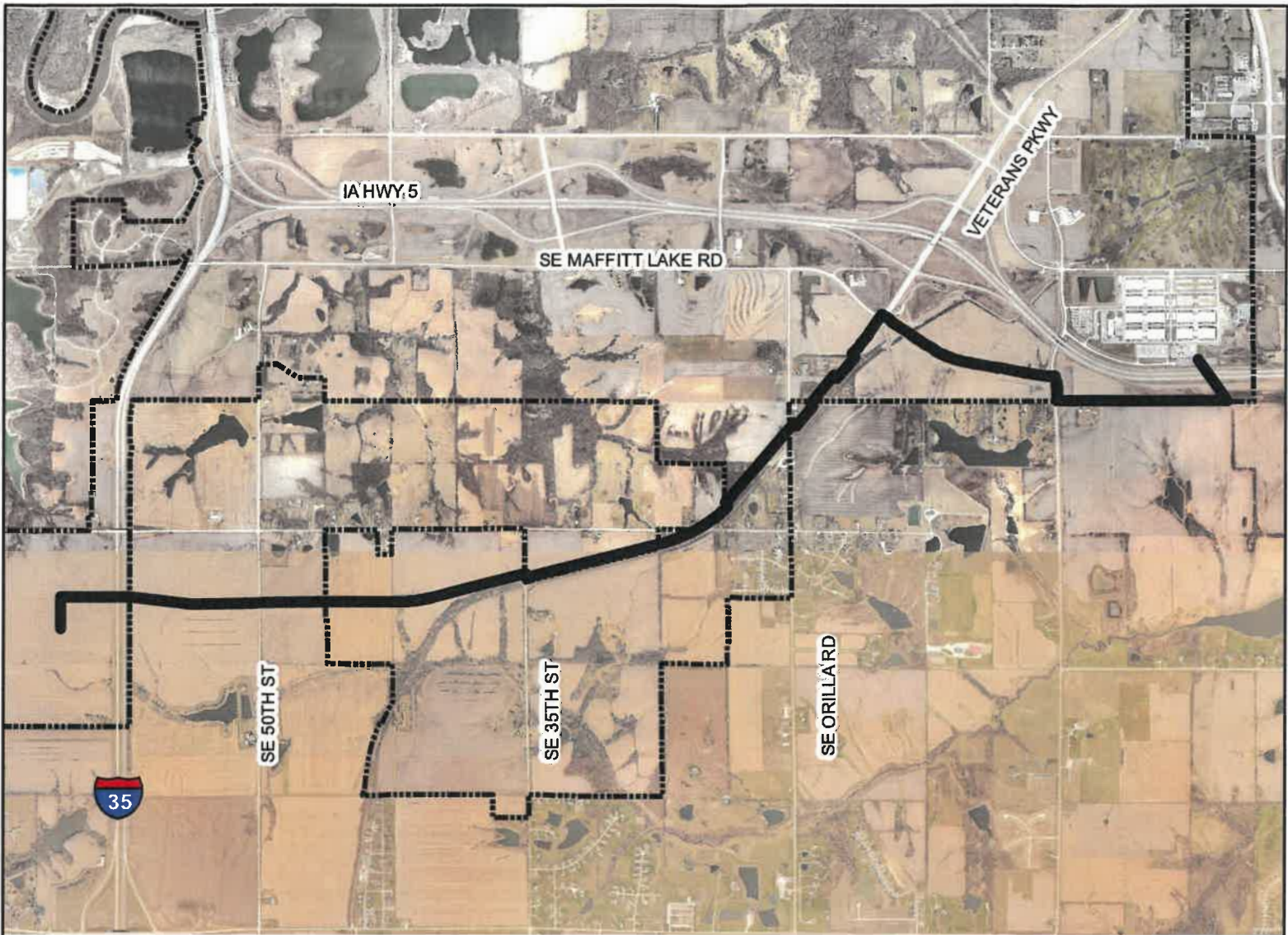
ITEM NO.	ITEM DESCRIPTION	UNIT	Telcom Construction			Communication Innovators			Network Cabling Infrastructures			MasTec North America			MP NEXLEVEL		
			QUANTITY	UNIT PRICE	PRICE	QUANTITY	UNIT PRICE	PRICE	QUANTITY	UNIT PRICE	PRICE	QUANTITY	UNIT PRICE	PRICE	QUANTITY	UNIT PRICE	PRICE
1	Clearing and Grubbing	LS	1	\$1,500.00	\$1,500.00	1	\$5,000.00	\$5,000.00	1	\$4,655.00	\$4,655.00	1	\$12,500.00	\$12,500.00	1	\$72,500.00	\$72,500.00
2	Traffic Control	LS	1	\$7,500.00	\$7,500.00	1	\$3,500.00	\$3,500.00	1	\$3,325.00	\$3,325.00	1	\$37,500.00	\$37,500.00	1	\$96,000.00	\$96,000.00
3	Pull Box (2.5x4x4), Furnish and Install	EA	6	\$2,752.50	\$16,515.00	6	\$1,738.00	\$10,428.00	6	\$2,386.00	\$14,316.00	6	\$4,089.53	\$24,537.18	6	\$2,226.13	\$13,356.78
4	Pull Box (2.5x4x4), Install Only	EA	1	\$1,267.50	\$1,267.50	1	\$750.00	\$750.00	1	\$1,330.00	\$1,330.00	1	\$2,964.54	\$2,964.54	1	\$925.00	\$925.00
5	Vault (4x6x7), Furnish and Install	EA	22	\$11,937.50	\$262,625.00	22	\$11,800.00	\$259,600.00	22	\$12,977.00	\$285,494.00	22	\$16,482.02	\$362,604.44	22	\$15,046.87	\$331,031.14
6	Conduit, SDR 11 HDPE, 4 In. Dia., Directional Drilled	LF	24403	\$24.16	\$589,576.48	24403	\$22.63	\$552,239.89	24403	\$24.80	\$605,194.40	24403	\$16.86	\$411,434.58	24403	\$25.35	\$618,616.05
7	Conduit Pathway, 7-Way Multi-Duct, Installed-in-Place	LF	26007	\$5.23	\$136,016.61	26007	\$6.53	\$169,825.71	26007	\$5.55	\$144,338.85	26007	\$5.51	\$143,298.57	26007	\$4.78	\$124,313.46
8	Silt Fence or Filter Sock	LF	5760	\$3.85	\$22,176.00	5760	\$2.15	\$12,384.00	5760	\$2.13	\$12,268.80	5760	\$3.44	\$19,814.40	5760	\$6.23	\$35,884.80
9	Maintenance of Silt Fence or Filter Sock	LF	5760	\$0.50	\$2,880.00	5760	\$0.90	\$5,184.00	5760	\$1.00	\$5,760.00	5760	\$0.63	\$3,628.80	5760	\$1.43	\$8,236.80
10	Removal of Silt Fence or Filter Sock	LF	5760	\$0.50	\$2,880.00	5760	\$0.12	\$691.20	5760	\$0.66	\$3,801.60	5760	\$1.25	\$7,200.00	5760	\$1.43	\$8,236.80
11	Hydraulic Seeding, Fertilizing and Mulching, Type 1	ACRE	0.45	\$10,575.00	\$4,758.75	0.45	\$5,600.00	\$2,520.00	0.45	\$224.44	\$101.00	0.45	\$22,500.00	\$10,125.00	0.45	\$10,000.00	\$4,500.00
12	Erosion Control Mulching, Conventional	ACRE	0.45	\$8,050.00	\$3,622.50	0.45	\$3,750.00	\$1,687.50	0.45	\$398.50	\$169.33	0.45	\$10,000.00	\$4,500.00	0.45	\$10,000.00	\$4,500.00
13	Test Station/Fiber Optic Line Marker Combination	EA	13	\$262.50	\$3,412.50	13	\$305.50	\$6,371.50	13	\$103.58	\$1,346.54	13	\$540.61	\$7,027.93	13	\$132.99	\$1,728.87
14	Permit Requirements	LS	1	\$4,500.00	\$4,500.00	1	\$2,500.00	\$2,500.00	1	\$16,855.00	\$16,855.00	1	\$10,000.00	\$10,000.00	1	\$300.00	\$300.00
15	As-Built Documentation	LS	1	\$4,500.00	\$4,500.00	1	\$7,500.00	\$7,500.00	1	\$5,905.20	\$5,905.20	1	\$20,879.82	\$20,879.82	1	\$2,500.00	\$2,500.00
16	Construction Survey	LS	1	\$3,500.00	\$3,500.00	1	\$21,350.00	\$21,350.00	1	\$23,275.00	\$23,275.00	1	\$22,500.00	\$22,500.00	1	\$122,137.02	\$122,137.02
17	Multi-Duct Conduit and Tracer Wire Acceptance Testing	LS	1	\$19,000.00	\$19,000.00	1	\$31,500.00	\$31,500.00	1	\$5,427.00	\$5,427.00	1	\$32,768.82	\$32,768.82	1	\$117,148.53	\$117,148.53
18	Portholing of Installed Conduit	EA	10	\$275.00	\$2,750.00	10	\$675.00	\$6,750.00	10	\$199.50	\$1,995.00	10	\$1,508.75	\$15,087.50	10	\$855.00	\$8,550.00
			<b>Total:</b>	<b>\$1,088,900.34</b>		<b>Total:</b>	<b>\$1,099,981.80</b>		<b>Total:</b>	<b>\$1,135,657.71</b>		<b>Total:</b>	<b>\$1,148,371.58</b>		<b>Total:</b>	<b>\$1,570,465.25</b>	

Total Price Discrepancy

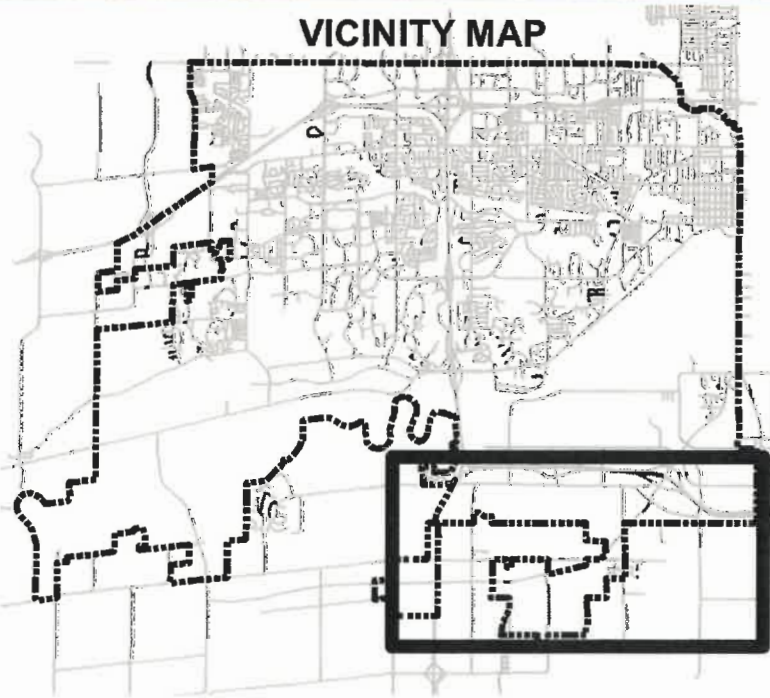
Unit Price Extension Discrepancy  
Total Price Discrepancy

Unit Price Extension Discrepancy  
Total Price Discrepancy  
Insufficient bid bond amount

Did not acknowledge Addendum #1



**VICINITY MAP**



**LEGEND**

PROJECT LOCATION



PROJECT:

**Fiber Conduit Interconnect - Light Purple Route**

LOCATION:

**Exhibit "A"**

DRAWN BY: JDR

DATE: 6/10/2020

PROJECT NUMBER/NAME: 0510-063-2018

SHT. 1 of 1