

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

4(j)1

DATE: July 6, 2020

ITEM:

Resolution - Ordering Construction
Fiber Conduit Interconnect (Teal Route)

FINANCIAL IMPACT:

The Engineering Estimate of Construction Cost for the Fiber Conduit Interconnect – Teal Route is \$1,705,224.68. 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:

A Bid Letting should be scheduled for 2:00 p.m. on Wednesday, July 29, 2020, and a Public Hearing on the project should be scheduled for 5:35 p.m. on Monday, August 3, 2020. The contract would be awarded on Monday, August 3, 2020, and work will begin shortly thereafter.

The Fiber Conduit Interconnect - Teal Route includes installation of a multi-duct conduit pathway, structures and surface restoration along the SW 60th Street, SW/SE Adams Street, SE 50th Street, SE Maffitt Lake Road and the Iowa 5 corridors in the City of West Des Moines, Iowa. Improvements include horizontal directional drilling approximately 32,761 lineal feet of 4” conduit and pulling approximately 34,661 lineal feet of multi-duct conduit within the conduit, installation of vaults, installation of pull boxes, 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 December 31, 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 Ordering Construction of the Fiber Conduit Interconnect – Teal Route.
- Fixing 2:00 p.m. on Wednesday, July 29, 2020, as the time and date for project Bid Letting.
- Ordering the City Clerk to publish notice of Letting and Public Hearing.

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
Legal	Richard Scieszinski, City Attorney
Agenda Acceptance	

PUBLICATION(S) (if applicable)

Published In	
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

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

**RESOLUTION ORDERING CONSTRUCTION AND NOTICE OF PUBLIC HEARING ON PLANS,
SPECIFICATIONS, FORM OF CONTRACT, ESTIMATE OF COST, AND DIRECTING
ADVERTISEMENT FOR BIDS**

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA, that the following described public improvement:

**Fiber Conduit Interconnect – Teal Route
Project No. 0510-056-2020**

is hereby ordered to be constructed according to the Plans and Specifications prepared by Civil Design Advantage of Grimes, Iowa and now on file in the office of the City Clerk.

BE IT FURTHER RESOLVED, that the detailed Plans and Specifications, Form of Contract, Bid Security, and Notice to Bidders are hereby approved, subject to hearing thereon, and that the same are now on file in the office of the City Clerk for public inspection.

BE IT FURTHER RESOLVED, that the City Clerk is hereby directed to publish notice of hearing on the Plans and Specifications, Form of Contract, Bid Security and Estimate of Costs for said project to be held at 5:35 p.m. on Monday, August 3, 2020, with said notice published not less than four (4) days nor more than twenty (20) days prior to the date heretofore fixed.

BE IT FURTHER RESOLVED, that the City Clerk is hereby directed to publish Notice to Bidders for said project with publication not less than thirteen (13) days nor more than forty-five (45) days prior to the date for receiving bids. Said bids are to be filed prior to 2:00 p.m. on Wednesday, July 29, 2020.

BE IT FURTHER RESOLVED, that the bids received for construction of said improvements will be opened, publicly read and tabulated by the City Clerk, Deputy City Clerk, or City Clerk designee at 2:00 p.m. on Wednesday, July 29, 2020, and the results of said bids shall be considered at a meeting of this Council on Monday, August 3, 2020, at 5:35 p.m. and acted upon at said time, or such time as may then be fixed.

PASSED AND APPROVED 6th day of July, 2020.

Steven K. Gaer, Mayor

ATTEST:

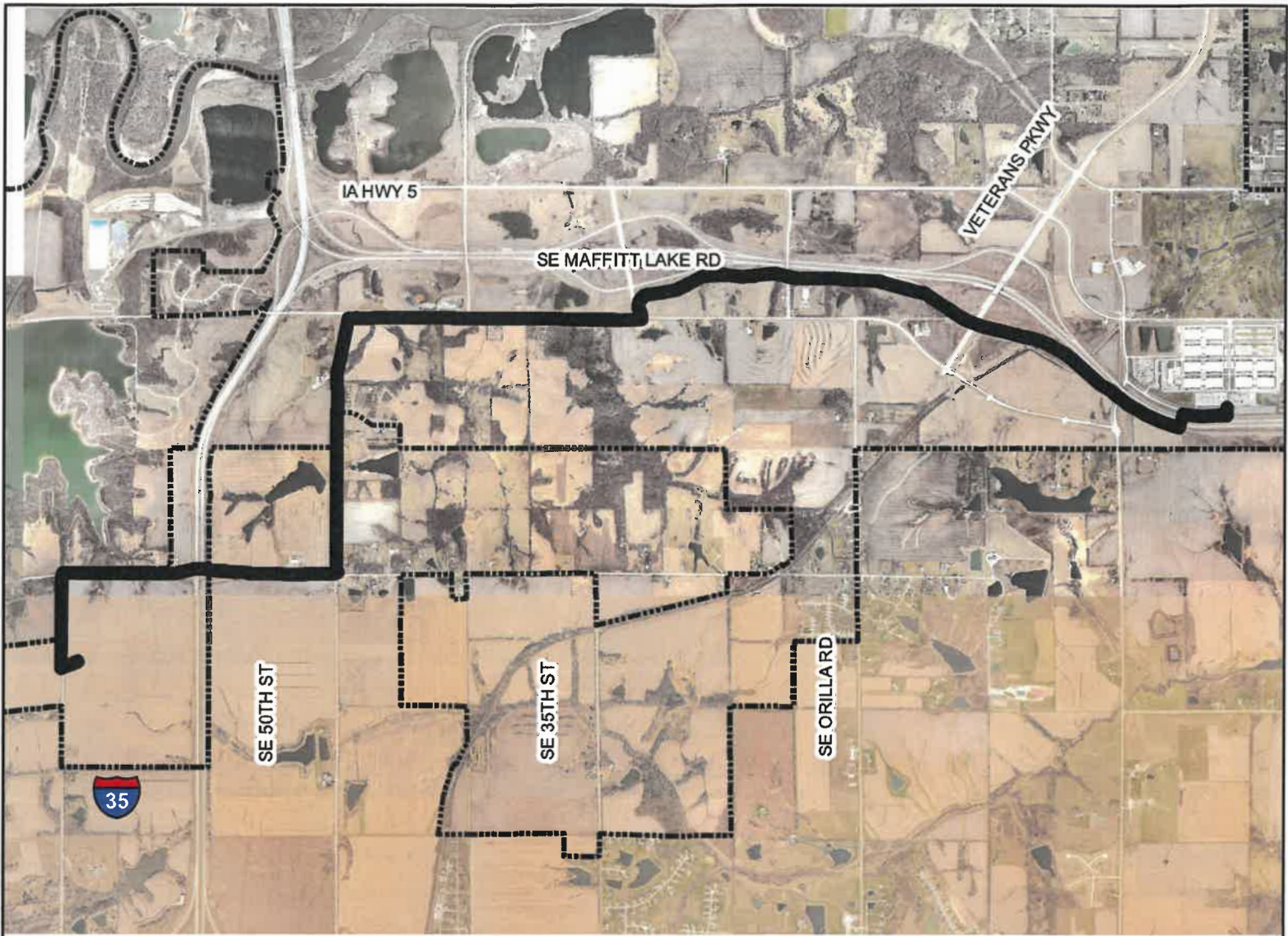
Ryan T. Jacobson, City Clerk

West Des Moines Fiber Conduit Interconnect
Engineer's Cost Opinion - Teal Route
West Des Moines, Iowa
June 29, 2020

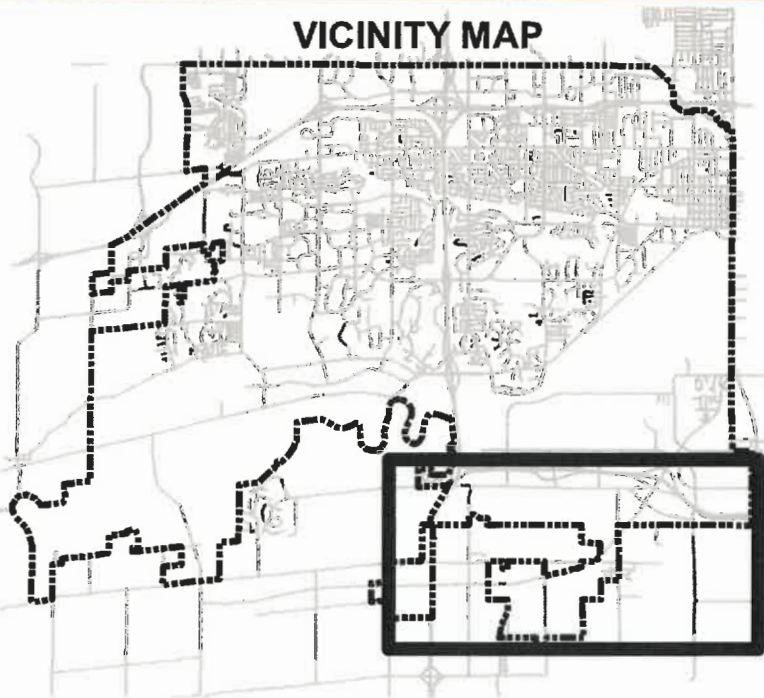
ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST
1	Clearing and Grubbing	LS	1	\$ 7,500.00	\$ 7,500.00
2	Traffic Control	LS	1	\$ 7,500.00	\$ 7,500.00
3	Pull Box (2.5'x4'x4'), Furnish and Install	EA	8	\$ 2,000.00	\$ 16,000.00
4	P.C.C Vault (4'x6'x7'), Furnish and Install	EA	30	\$ 15,000.00	\$ 450,000.00
5	Conduit, SDR 7 HDPE, Directional Drilled, 4 In. Dia.	LF	6518	\$ 20.00	\$ 130,360.00
6	Conduit, SDR 11 HDPE, Directional Drilled, 4 In. Dia.	LF	18009	\$ 18.00	\$ 324,162.00
7	Conduit, Rigid Metal-Steel, Trenched, 3 In. Dia.	LF	8234	\$ 40.00	\$ 329,360.00
8	Concrete Encasement, Conduit, SDR 7 HDPE	LF	60	\$ 100.00	\$ 6,000.00
9	Conduit Pathway, 7-Way Multi-Duct, Installed-in-Place	LF	34661	\$ 3.50	\$ 121,313.50
10	Silt Fence or Filter Sock	LF	20815	\$ 1.00	\$ 20,815.00
11	Maintenance of Silt Fence or Filter Sock	LF	20815	\$ 0.75	\$ 15,611.25
12	Removal of Silt Fence or Filter Sock	LF	20815	\$ 0.50	\$ 10,407.50
13	Hydraulic Seeding, Fertilizing and Mulching, Type 1	ACRE	6.89	\$ 5,000.00	\$ 34,450.00
14	Erosion Control Mulching, Conventional	ACRE	6.89	\$ 2,500.00	\$ 17,225.00
15	Test Station/Fiber Optic Line Marker Combination	EA	15	\$ 500.00	\$ 7,500.00
16	Permit Requirements	LS	1	\$ 5,000.00	\$ 5,000.00
17	As-Built Documentation	LS	1	\$ 10,000.00	\$ 10,000.00
18	Construction Survey	LS	1	\$ 15,000.00	\$ 15,000.00
19	Locating Service (Green Route)	LS	1	\$ 10,000.00	\$ 10,000.00
20	Multi-Duct Conduit and Tracer Wire Acceptance Testing	LS	1	\$ 5,000.00	\$ 5,000.00
21	Potholing of Installed Conduit (Teal Route)	EA	10	\$ 350.00	\$ 3,500.00
22	Field Tile Repair	LF	50	\$ 20.00	\$ 1,000.00
23	SWPPP Management	LS	1	\$ 2,500.00	\$ 2,500.00
Subtotal					\$ 1,550,204.25
Contingency (10%)					\$ 155,020.43
Grand Total					\$ 1,705,224.68

Notes:

1. Construction cost estimate does not include any annual (or other) Iowa DOT occupancy fees.
2. Construction cost estimate is based on drilling one 4" HDPE or trenching one 3" Steel conduit and pulling one 7-way (14/10) Multi-duct HDPE conduit.



VICINITY MAP



LEGEND

PROJECT LOCATION 



PROJECT:			
Fiber Conduit Interconnect - Teal Route			
LOCATION:			
Exhibit "A"			
DRAWN BY: JDR	DATE: 6/29/2020	PROJECT NUMBER/NAME: 0510-056-2020	SHT. 1 of 1