CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: January 24, 2022

ITEM:

Resolution - Ordering Construction
Digital Enterprise Last Mile Conduit Deployment Segment 1 Phase 2

FINANCIAL IMPACT:

The Engineering Estimate of Construction Cost for the Digital Enterprise Last Mile Conduit Deployment Segment 1 Phase 2 is $3,523,109.66. Payments will be made from account no. 670.000.000.5250.490 with the ultimate funding intended to come from American Rescue Plan Act Grant Funds or General Obligation Bonds.

BACKGROUND:

A Bid Letting should be scheduled for 2:00 p.m. on Wednesday, February 16, 2022, and a Public Hearing on the project should be scheduled for 5:35 p.m. on Monday, February 21, 2022. The contract would be awarded on Monday, February 21, 2022, and work will begin shortly thereafter.

The West Des Moines Digital Enterprise Last Mile Conduit Deployment Segment 1 Phase 2 project includes the installation of a multi-user fiber conduit network within public right-of-way to support the connection of every residence and business wishing to connect from I-80 to University Avenue and 98th St to I-35/I-80 in West Des Moines. The project is anticipated to be completed by November 1, 2022.

OUTSTANDING ISSUES:

None.

RECOMMENDATION:

City Council Adopt:

- Resolution Ordering Construction of the Digital Enterprise Last Mile Conduit Deployment Segment 1 Phase 2.
- Fixing 2:00 p.m. on Wednesday, February 16, 2022, 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	RTJ

PUBLICATION(S) (if applicable)

Published In	
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

Committee	Public Services		
Date Reviewed	January 24, 2022		
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:

Digital Enterprise Last Mile Conduit Deployment Segment 1 Phase 2
Project No. 0510-021-2021

is hereby ordered to be constructed according to the Plans and Specifications prepared by HDR, Inc. of Des Moines, 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, February 21, 2022, 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, February 16, 2022.

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, February 16, 2022, and the results of said bids shall be considered at a meeting of this Council on Monday, February 21, 2022, at 5:35 p.m. and acted upon at said time, or such time as may then be fixed.

PASSED AND APPROVED on this **24th** day of January **2022.**

_____
Russ Trimble, Mayor

ATTEST:

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Ryan T. Jacobson, City Clerk

0510-021-2021

WDM Digital Enterprise Segment 1-2 Conduit Engineer's Estimate

Item No.	Item	Unit	Quantity	Engineer's Estimate		Bid Price		Comparison
				Unit Price	Total Extended	Unit Price	Total Extended	
1	TRAFFIC CONTROL	LS	1	$ 20,000.00	$ 20,000.00		$ -	-100%
2	CONSTRUCTION SURVEY	LS	1	$ 25,000.00	$ 25,000.00		$ -	-100%
3	AS-BUILTING	LS	1	$ 50,000.00	$ 50,000.00		$ -	-100%
4	EROSION CONTROL	LS	1	$ 30,000.00	$ 30,000.00		$ -	-100%
5	CONDUIT, FURNISH & INSTALL, 7-WAY MICRODUCT	LF	60,500	$ 10.10	$ 611,050.00		$ -	-100%
6	CONDUIT, FURNISH & INSTALL, 1.5" ORANGE	LF	59,494	$ 7.60	$ 452,154.40		$ -	-100%
7	CONDUIT, FURNISH & INSTALL, 1.5" GREEN	LF	26,308	$ 12.00	$ 315,696.00		$ -	-100%
8	CONDUIT, FURNISH & INSTALL, 1.5" BLUE	LF	66,889	$ 7.60	$ 508,356.40		$ -	-100%
9	CONDUIT, FURNISH & INSTALL, 1" BLUE STRIPE	LF	117,468	$ 5.10	$ 599,086.80		$ -	-100%
10	CONDUIT, FURNISH & INSTALL, 1.25" ORANGE	LF	20,391	$ 6.10	$ 124,385.10		$ -	-100%
11	VAULT, INSTALL ONLY, SMALL ROUND VAULT	EACH	294	$ 450.00	$ 132,300.00		$ -	-100%
12	VAULT, FURNISH & INSTALL, LARGE RECTANGULAR VAULT	EACH	98	$ 1,400.00	$ 137,200.00		$ -	-100%
13	VAULT, FURNISH & INSTALL, LARGE VAULT	EACH	89	$ 1,310.00	$ 116,590.00		$ -	-100%
14	VAULT, FURNISH & INSTALL, MEDIUM VAULT	EACH	184	$ 850.00	$ 156,400.00		$ -	-100%
15	VAULT, INSTALL ONLY, SMALL ROUND VAULT (EXISTING CONDUIT)	EACH	9	$ 650.00	$ 5,850.00		$ -	-100%
16	EQUIPMENT, FURNISH & INSTALL, TEST STATION	EACH	282	$ 180.00	$ 50,760.00		$ -	-100%
17	CABLE, FURNISH & INSTALL, TRACER WIRE	LF	145,232	$ 0.78	$ 113,280.96		$ -	-100%
18	CONDUIT INSTALL AT RAILROAD CROSSING	LS	1	$ 25,000.00	$ 25,000.00		$ -	-100%
19	RESTORATION	LS	1	$ 50,000.00	$ 50,000.00		$ -	-100%
					$ 3,523,109.66		$ -	-100%

LICENSED PROFESSIONAL ENGINEER
KYLE A. HALLIGAN
22626
IOWA

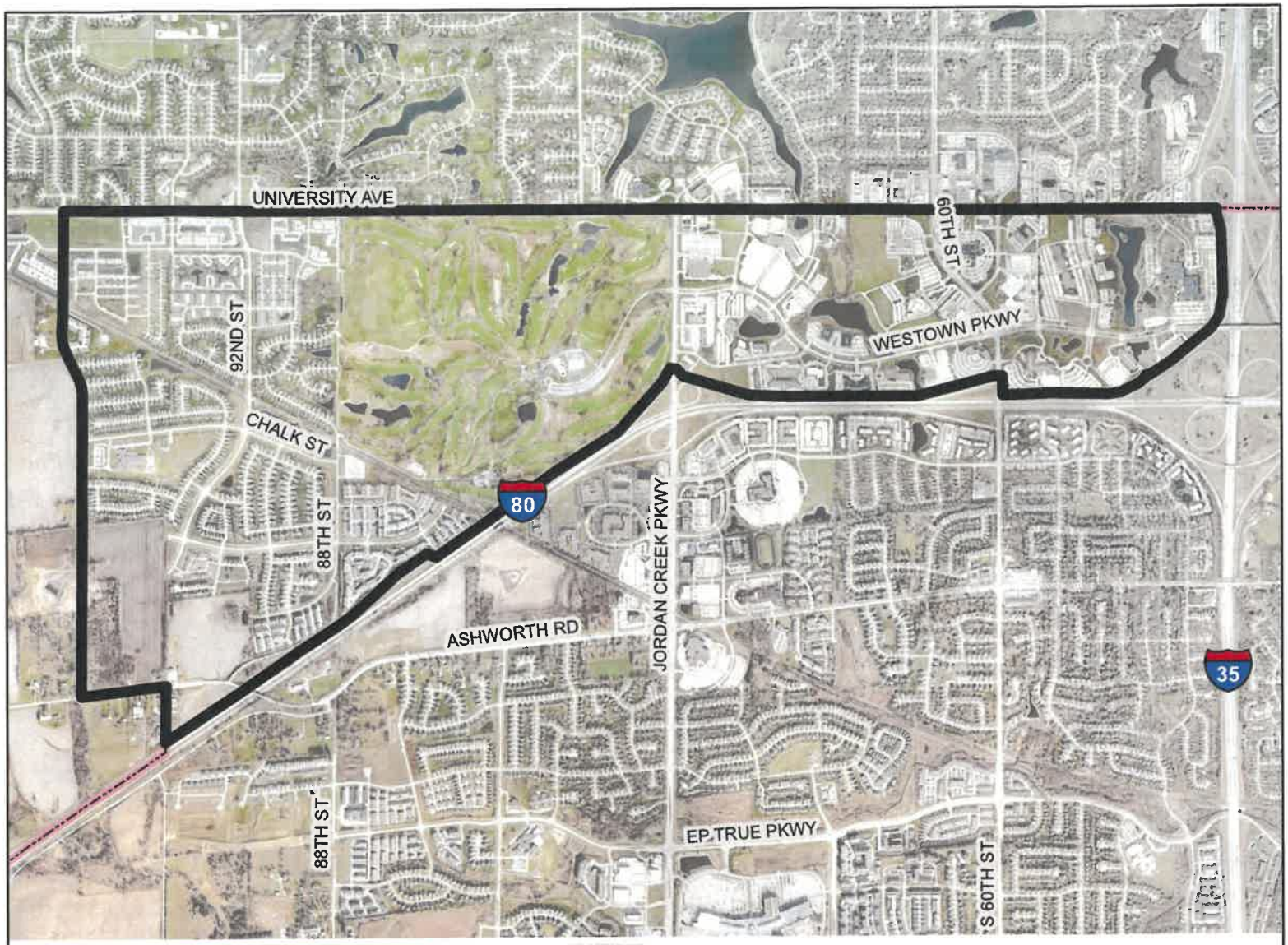
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

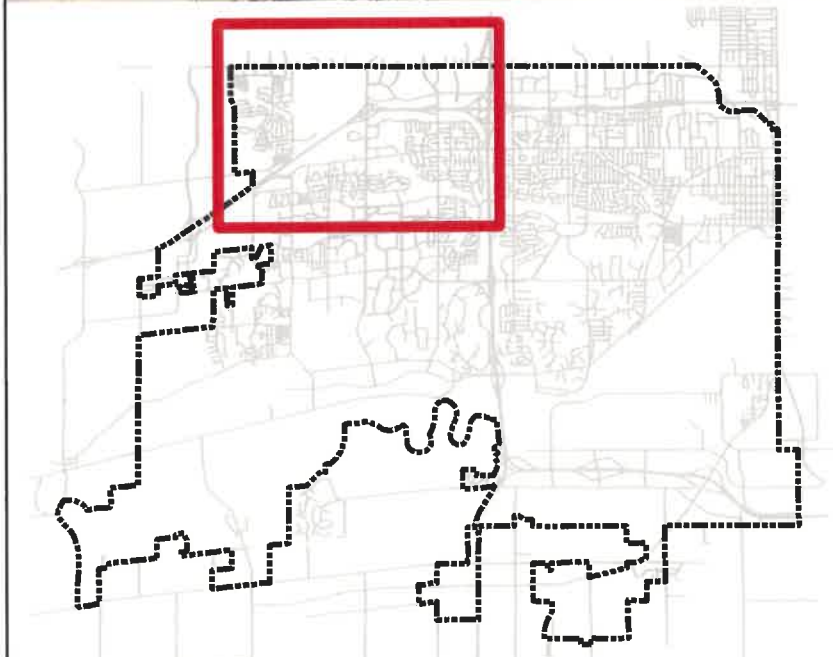
Signature: Kyle A Halligan — Date: 1/11/2022

Printed or Typed Name: Kyle A Halligan

My license renewal date is December 31, 20 22

Pages or sheets covered by this seal: Engineer's Estimate





LEGEND

PROJECT LOCATION

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VICINITY MAP

THE CITY OF WEST DES MOINES	PROJECT:	**West Des Moines Digital Enterprise Conduit Deployment Segment 1 Phase 2**	
	LOCATION:	**Exhibit "A"**	
	DRAWN BY: BJM	DATE: 12/27/2021	PROJECT NUMBER/NAME: 0510-021-2021	SHT. 1 of 1