CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: January 21, 2020

ITEM:

Resolution - Ordering Construction
Grand Avenue Reconstruction East of I-35

FINANCIAL IMPACT:

The Engineering Estimate of Construction Cost for the Grand Avenue Reconstruction East of I-35 is $363,627.50. Payments will be made from account no. 500.000.000.5250.490 with the ultimate funding intended to come from General Obligation Bonds.

BACKGROUND:

A Bid Letting should be scheduled for 2:00 p.m. on Wednesday, February 12, 2020 and a Public Hearing on the project should be scheduled for 5:35 p.m. on Monday, February 17, 2020. The contract would be awarded on Monday, February 17, 2020 and work will begin shortly thereafter.

The project includes reconstruction of Grand Avenue immediately east of I-35. A few years back, the City reconstructed Grand Avenue from South 50th Street to I-35. Immediately following, the Iowa Department of Transportation reconstructed the Grand Avenue Interchange on I-35, with a different design than what was presented to the City when design and construction of Grand Avenue was completed. This left a gap in the construction. This project will address reconstruction of the gap on Grand Avenue along with associated trail adjacent to the roadway. The project is anticipated to be completed by September 15, 2020. Once construction commences, the Contractor will only be allowed twenty-eight (28) calendar days to complete all necessary tasks to reopen both eastbound and westbound lanes on Grand Avenue.

OUTSTANDING ISSUES: None.

RECOMMENDATION:

City Council Adopt:

- Resolution Ordering Construction of the Grand Avenue Reconstruction East of I-35.
- Fixing 2:00 p.m. on Wednesday, February 12, 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	January 13, 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:

Grand Avenue Reconstruction East of I-35
Project No. 0510-049-2018

is hereby ordered to be constructed according to the Plans and Specifications prepared by Kirkham Michael & Associates, Inc. of Urbandale, 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 17, 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, February 12, 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, February 12, 2020 and the results of said bids shall be considered at a meeting of this Council on Monday, February 17, 2020 at 5:35 p.m. and acted upon at said time, or such time as may then be fixed.

PASSED AND APPROVED on this **21st** day of **January, 2020.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

City of West Des Moines
Grand Avenue Reconstruction East of I-35
0510-049-2018

KIRKHAM MICHAEL

Opinion of Probable Construction Cost

updated 1/14/20, bss

Item	Description	Units	Quantity	Unit Cost	Extended Cost
2. Clearing, Excavation, & Embankment					
2.1	CLEARING AND GRUBBING	AC	0.2	$ 10,000.00	$ 2,000.00
2.2	TOPSOIL, ON-SITE	CY	868	$ 8.00	$ 6,944.00
2.3	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	620	$ 8.00	$ 4,960.00
2.4	EXCAVATION, CLASS 10, IMPORT	CY	760	$ 15.00	$ 11,400.00
2.5	SUBGRADE PREPARATION	SY	2790	$ 6.00	$ 16,740.00
2.6	GRANULAR SUBBASE	SY	2790	$ 15.00	$ 41,850.00
2.7	REMOVAL OF KNOWN PIPE CULVERT, RCP, 24 IN.	LF	38	$ 50.00	$ 1,900.00
4. Sewer & Drains					
4.1	PIPE CULVERT, TRENCHED, RCP, 24 IN.	LF	48	$ 100.00	$ 4,800.00
4.2	PIPE APRON, CONCRETE, 24 IN.	LF	2	$ 2,500.00	$ 5,000.00
4.3	SUBDRAIN, LONGITUDINAL, 6 IN.	LF	644	$ 15.00	$ 9,660.00
4.4	SUBDRAIN OUTLETS AND CONNECTIONS	EA	1	$ 300.00	$ 300.00
7. Streets & Related Work					
7.1	REINFORCED PCC PAVEMENT, 9 IN.	SY	2265	$ 60.00	$ 135,900.00
7.2	RECREATIONAL TRAIL, REINFORCED PCC, 6 IN.	SY	565	$ 50.00	$ 28,250.00
7.3	DRIVEWAY, PAVED, PCC, 7 IN.	SY	132	$ 50.00	$ 6,600.00
7.4	DIAMOND GRINDING	SY	1288	$ 10.00	$ 12,880.00
7.5	PAVEMENT REMOVAL	SY	3113	$ 6.00	$ 18,678.00
8. Traffic Control & Signalization					
8.1	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	4.42	$ 1,500.00	$ 6,630.00
8.2	PAVEMENT MARKINGS REMOVED	STA	0.60	$ 1,000.00	$ 600.00
8.3	TRAFFIC CONTROL	LS	1	$ 20,000.00	$ 20,000.00
8.4	CHANGEABLE MESSAGE BOARDS	EA	2	$ 2,500.00	$ 5,000.00
9. Site Work & Landscaping					
9.1	SEEDING, FERTILIZING AND MULCHING	AC	0.8	$ 2,000.00	$ 1,600.00
9.2	SWPPP PREPARATION	LS	1	$ 2,000.00	$ 2,000.00
9.3	SWPPP MANAGEMENT	LS	1	$ 2,000.00	$ 2,000.00
9.4	FILTER SOCK, 12 IN.	LF	1958	$ 3.00	$ 5,874.00
9.5	FILTER SOCK, REMOVAL OF DEVICE	LF	1958	$ 0.50	$ 979.00
9.6	SILT FENCE	LF	75	$ 2.00	$ 150.00
9.7	SILT FENCE, REMOVAL OF DEVICE	LF	75	$ 0.50	$ 37.50
9.8	EROSION CONTROL MULCHING, CONVENTIONAL	AC	0.8	$ 1,000.00	$ 800.00
9.9	TURF REINFORCEMENT MAT, TYPE 1	SQ	71	$ 45.00	$ 3,195.00
9.10	INLET PROTECTION DEVICE, SURFACE APPLIED	EA	2	$ 200.00	$ 400.00
9.11	INLET PROTECTION DEVICE, DROP-IN	EA	1	$ 200.00	$ 200.00
9.12	INLET PROTECTION DEVICE, MAINTENANCE	EA	3	$ 100.00	$ 300.00
11.1 Miscellaneous					
11.1	CONSTRUCTION STAKING	LS	1	$ 5,000.00	$ 5,000.00
11.2	CONCRETE WASHOUT	LS	1	$ 1,000.00	$ 1,000.00

Total Construction Cost **$ 363,627.50**

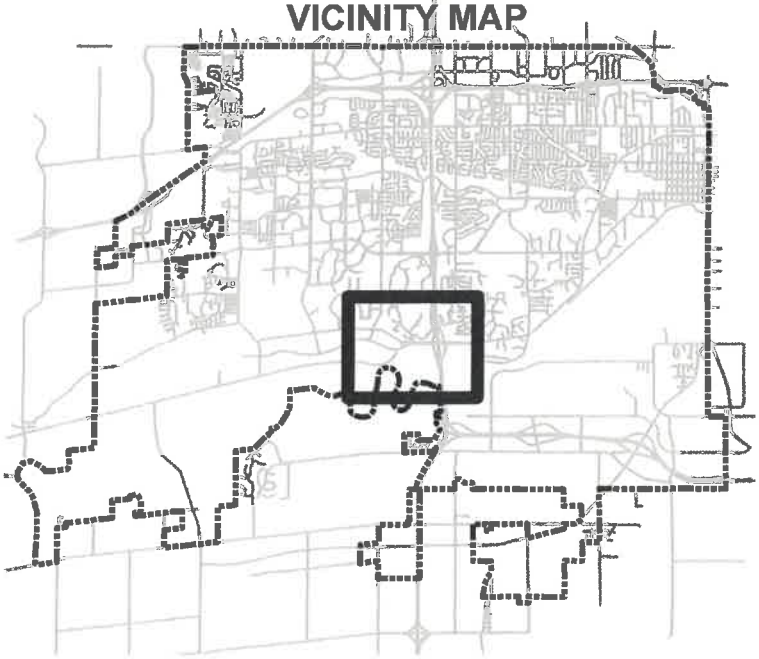
LICENSED PROFESSIONAL ENGINEER
BENJAMIN S. SMITH
2442542
IOWA

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.

Benjamin S. Smith 1-14-20
BENJAMIN S. SMITH, P.E. DATE

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2021
LICENSE NO. 2442542
PAGES OR SHEETS COVERED BY THIS SEAL:
ENGINEER'S OPINION OF PROBABLE COST

VICINITY MAP



LEGEND

PROJECT LOCATION

N
W E
S

CITY OF DES MOINES

PROJECT:

Grand Avenue Reconstruction East of I-35

LOCATION: **Exhibit "A"**

DRAWN BY: JDR	DATE: 1/15/2020	PROJECT NUMBER/NAME: 0510-049-2018	SHT. 1 of 1