



6 B

Date October 02, 2023

**ORDERING CONSTRUCTION OF
16TH STREET AREA RECONSTRUCTION AND TRAIL CONNECTION
AND FIXING A DATE FOR RECEIVING OF BIDS ON OCTOBER 24, 2023
AND PUBLIC HEARING ON NOVEMBER 20, 2023
ENGINEER'S ESTIMATE IS \$3,300,000**

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached communication recommending construction of the following improvement and the method of financing; and also including the recommendation of the Des Moines City Engineer, as the Engineer, submitting plans, specifications, form of contract documents, and Engineer's estimate of cost for the construction of the following improvement:

16th Street Area Reconstruction and Trail Connection, 062021012

The improvement includes Hot Mix Asphalt (HMA) multi-use trail, Portland Cement Concrete (PCC) pavement, sidewalk, multi-use trail, and driveways, pavement removal, storm sewer, water main, temporary traffic control, erosion control, retaining walls, surface restoration, and other incidental items, all in accordance with the contract documents, including Plan File No. 656-258/377, located on 16th Street from Euclid Avenue to Madison Avenue, Madison Avenue from 15th Street to 16th Street, and Seneca Avenue from 14th Street to 16th Street in Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$3,300,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.

BE IT FURTHER RESOLVED: That this Council hereby determines that it is necessary and advisable to construct said improvement in the manner set forth in the plans, specifications, and form of contract documents submitted by the Engineer; and that payment for the cost of said improvement shall be paid from the funding source identified below.

BE IT FURTHER RESOLVED: That a public hearing on said plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement be held in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 5:00 p.m. on November 20, 2023, at which time this Council will consider any objections offered thereto or to the making of said improvement.

BE IT FURTHER RESOLVED: That proposals will be received by the City of Des Moines, at the office of the Des Moines City Clerk until 11:00 a.m. on October 24, 2023, for the construction of said improvement, and the taking of bids in the manner required by law. Proposals received will be opened at a public meeting presided over by the Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 11:00 a.m. on October 24, 2023, after which the bids together with a bid tabulation and recommendation of the Engineer will be presented to the City Council at its next meeting for action thereon.



Roll Call Number

Agenda Item Number

6B

Date October 02, 2023

BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(Council Communication No. 23-439)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE:

s/Kathleen Vanderpool

s/Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

Funding Source: 2023-24 CIP, Page 112, Roadway Rehabilitation – Residential, ST013, \$1,394,495 GO Bonds, \$750,000 American Rescue Plan Act (ARPA) Funding for Sidewalk and Trails, \$334,063 ARPA Funding for Water Main, \$196,500 of Storm Water Funds transferred from SM057, \$450,000 GO Bonds transferred from SW081, and the remaining \$174,942 from Des Moines Water Works

SLN
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COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
GATTO				
MANDELBAUM				
VOSS				
WESTERGAARD				
TOTAL				

CERTIFICATE

I, Laura Baumgartner, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

MOTION CARRIED APPROVED

Mayor

City Clerk

CONSTRUCTION ESTIMATE

LB

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 06-2021-012

DATE: 9/13/2023

PROJECT: 16th Street Area Reconstruction and Trail Connection

NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT	
			UNIT	TOTAL	UNIT PRICE	TOTAL	
0001	*	2010-A	Clearing and Grubbing	UNIT	1225	\$35.00	\$42,875.00
0002	*	2010-B	Clearing and Grubbing	AC	1.15	\$15,000.00	\$17,250.00
0003		2010-D-1	Topsoil, On-site	CY	675	\$20.00	\$13,500.00
0004		2010-D-3	Topsoil, Off-site	CY	800	\$40.00	\$32,000.00
0005		2010-E	Embankment-in-Place, Contractor Furnished	CY	2225	\$30.00	\$66,750.00
0006		2010-E	Excavation, Class 10, Roadway and Borrow	CY	6700	\$15.00	\$100,500.00
0007		2010-E	Excavation, Class 13, Waste	CY	500	\$30.00	\$15,000.00
0008		2010-G	Subgrade Preparation, 6"	SY	10250	\$2.00	\$20,500.00
0009		2010-H	Granular Stabilization, 3" Clean	TON	500	\$75.00	\$37,500.00
0010		2010-I	Subgrade Treatment, Non-Woven Fabric, 6oz	SY	2050	\$3.00	\$6,150.00
0011		2010-I	Subgrade Treatment, Woven Geotextile, Mirafi HP570	SY	10250	\$5.00	\$51,250.00
0012		2010-J	Subbase, Modified Subbase, Shared Use Path, 6"	SY	2500	\$12.00	\$30,000.00
0013		2010-J	Subbase, Modified Subbase, 8"	SY	10250	\$15.00	\$153,750.00
0014			Class R-4 Concrete Encasement, Existing 30"	LF	80	\$30.00	\$2,400.00
0015		4010-A-1	Sanitary Sewer Gravity Main, Trenched, 10"	LF	130	\$100.00	\$13,000.00
0016		4010-F	Sanitary Sewer Service Relocation	EA	10	\$2,500.00	\$25,000.00
0017		4010-F	Sanitary Sewer Service Relocation, Additional Length	LF	200	\$65.00	\$13,000.00
0018	*	4010-H	Removal of Sanitary Sewer, ≤ 30"	LF	130	\$20.00	\$2,600.00
0019		4020-A-1	Storm Sewer, Trenched, PVC, 6"	LF	255	\$40.00	\$10,200.00
0020		4020-A-1	Storm Sewer, Trenched, 15"	LF	440	\$110.00	\$48,400.00
0021		4020-A-1	Storm Sewer, Trenched, 18"	LF	125	\$120.00	\$15,000.00
0022		4020-A-1	Storm Sewer, Trenched, 24"	LF	275	\$150.00	\$41,250.00
0023		4020-A-1	Storm Sewer, Trenched, 30"	LF	20	\$180.00	\$3,600.00
0024		4020-A-1	Storm Sewer, Trenched, RCP, 42"	LF	45	\$225.00	\$10,125.00
0025	*	4020-D	Removal of Storm Sewer, Less than 30" Dia.	LF	300	\$20.00	\$6,000.00
0026		4030-B	Pipe Apron, RCP, 42"	EA	3	\$6,000.00	\$18,000.00
0027		4030-C	Footing for Concrete Pipe Apron, RCP, 42"	EA	3	\$1,500.00	\$4,500.00
0028		4040-A	Subdrain, 6"	LF	240	\$40.00	\$9,600.00
0029		4040-C	Subdrain Cleanout, Type A-1	EA	1	\$750.00	\$750.00
0030		4040-D	Subdrain Outlets and Connections, CMP, 6"	EA	13	\$500.00	\$6,500.00
0031	*		Water Service Material Check	EA	4	\$750.00	\$3,000.00
0032			New Stop Box Housing and New Stop Box Rod	EA	10	\$1,000.00	\$10,000.00
0033			Adjust Stop Box to New Grade in Pavement, Locking Lid	EA	15	\$500.00	\$7,500.00
0034		6010-A	Manhole, SW-301, 48"	EA	1	\$7,500.00	\$7,500.00
0035		6010-A	Manhole, SW-401, 48"	EA	2	\$6,000.00	\$12,000.00
0036		6010-A	Manhole, SW-401, 60"	EA	1	\$8,000.00	\$8,000.00
0037		6010-B	Intake, SW-501	EA	1	\$3,500.00	\$3,500.00
0038		6010-B	Intake, SW-504, Modified	EA	1	\$6,000.00	\$6,000.00
0039		6010-B	Intake, SW-505	EA	7	\$7,500.00	\$52,500.00
0040		6010-B	Intake, SW-508	EA	1	\$8,500.00	\$8,500.00
0041		6010-B	Intake, SW-509	EA	7	\$9,500.00	\$66,500.00
0042			Intake, SW-512, 18", Type 3 Casting	EA	6	\$500.00	\$3,000.00
0043		6010-C-1	Internal Drop Connection	EA	1	\$2,500.00	\$2,500.00
0044		6010-E	Manhole Adjustment, Minor, Sanitary	EA	9	\$1,000.00	\$9,000.00

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NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT
			UNIT	TOTAL	UNIT PRICE	TOTAL
0045	6010-F	Manhole Adjustment, Major, Sanitary	EA	9	\$2,000.00	\$18,000.00
0046	6010-F	Intake Adjustment, Major	EA	3	\$3,500.00	\$10,500.00
0047	6010-G	Connection to Existing Manhole	EA	1	\$1,000.00	\$1,000.00
0048 *	6010-H	Remove Manhole/Intake	EA	5	\$1,200.00	\$6,000.00
0049	7010-A	Pavement, PCC, 6"	SY	8800	\$65.00	\$572,000.00
0050	7010-A	Pavement Base, PCC, 9"	SY	70	\$100.00	\$7,000.00
0051	7021-A	HMA High Traffic (HT) Surface, 1/2", PG 58-28H	TON	15	\$175.00	\$2,625.00
0052 *	7030-A	Removal of Sidewalk and Driveway	SY	1125	\$15.00	\$16,875.00
0053	7030-C	Multi-Use Path, PCC, 6"	SY	950	\$70.00	\$66,500.00
0054	7030-C	Multi-Use Path, HMA, Base, 4"	SY	1100	\$30.00	\$33,000.00
0055	7030-C	Multi-Use Path, HMA, Surface, 2"	SY	1100	\$15.00	\$16,500.00
0056	7030-D	Special Subgrade Preparation for Shared Use Paths	SY	1105	\$5.00	\$5,525.00
0057	7030-E	Sidewalk, PCC, 4"	SY	2185	\$60.00	\$131,100.00
0058	7030-E	Sidewalk, PCC, 6"	SY	370	\$70.00	\$25,900.00
0059	7030-G	Detectable Warning, Cast Iron	SF	320	\$50.00	\$16,000.00
0060	7030-H-1	Driveway, Paved, PCC, 6"	SY	1455	\$70.00	\$101,850.00
0061 *	7030-H-2	Driveway, Granular	TON	150	\$50.00	\$7,500.00
0062		Asphalt Emulsion for Fog Seal, HMA Shared Use Path	GAL	135	\$15.00	\$2,025.00
0063 *	7040-H	Pavement Removal	SY	9220	\$15.00	\$138,300.00
0064 *		Removal of Sign and Sign Post	EA	20	\$250.00	\$5,000.00
0065		Type A Signs, Sheet Aluminum	SF	200	\$30.00	\$6,000.00
0066		Sign Post, Perforated Square, Steel Tube Post	LF	400	\$25.00	\$10,000.00
0067 *	8030-A	Temporary Traffic Control	LS	1	\$20,000.00	\$20,000.00
0068 *	9010-A-1	Seeding, Type 2 (Permanent Cool Season Mixture for Slopes and Ditches)	AC	0.5	\$7,500.00	\$3,750.00
0069 *	9010-A-1	Seeding, Type 4 (Urban Temporary Erosion Control Mix)	AC	5	\$3,500.00	\$17,500.00
0070 *	9010-A	Seeding and Mulching, Mesic Prairie Pollinator Mix (Modified)	AC	0.35	\$10,000.00	\$3,500.00
0071 *	9020-A	Sod	SQ	750	\$65.00	\$48,750.00
0072 *	9040-A	Stormwater Pollution Prevention Plan (SWPPP)	LS	1	\$5,000.00	\$5,000.00
0073 *		Sawcutting Dust and Slurry Management	LS	1	\$2,500.00	\$2,500.00
0074 *	9040-D-1	Filter Sock, 9"	LF	2500	\$2.50	\$6,250.00
0075 *	9040-D-2	Filter Socks, Removal	LF	2500	\$0.50	\$1,250.00
0076 *	9040-E	Temporary Rolled Erosion Control Products (RECP), Type 2C	SY	4000	\$2.50	\$10,000.00
0077 *	9040-J	Rip Rap, Class D/E Revetment	TON	60	\$75.00	\$4,500.00
0078 *	9040-N-1	Silt Fence or Silt Fence Ditch Check	LF	500	\$15.00	\$7,500.00
0079 *	9040-N-2	Silt Fence or Silt Fence Ditch Check, Removal of Sediment	LF	500	\$5.00	\$2,500.00
0080 *	9040-N-3	Silt Fence or Silt Fence Ditch Check, Removal of Device	LF	500	\$10.00	\$5,000.00
0081 *	9040-O-2	Stabilized Construction Exit	TON	500	\$50.00	\$25,000.00
0082 *	9040-Q-2	Erosion Control Mulching, Hydromulching	AC	5	\$5,000.00	\$25,000.00
0083 *	9040-T-1	Inlet Protection Device	EA	21	\$200.00	\$4,200.00
0084 *	9040-T-2	Inlet Protection Device, Maintenance	EA	42	\$50.00	\$2,100.00
0085		Vegetated Concrete Block Mat	SF	2500	\$8.00	\$20,000.00
0086		Privacy Fence, Wooden, 6'	LF	250	\$30.00	\$7,500.00
0087		Double Roller Gate, Privacy Fence, Wooden, 6' x 16'	EA	1	\$2,500.00	\$2,500.00
0088	9060-A	Chain Link Fence, 42"	LF	1350	\$25.00	\$33,750.00
0089	9060-B	Roller Gate, Chain-Link, 42" x 12'	EA	2	\$2,500.00	\$5,000.00
0090	9060-B	Gate, Chain-Link, 42" x 39"	EA	2	\$1,200.00	\$2,400.00
0091		Removal and Reinstallation of Existing Wooden Fence, 900 14th St.	LF	75	\$25.00	\$1,875.00
0092 *	9060-E	Removal of Fence	LF	1000	\$5.00	\$5,000.00

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NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT
			UNIT	TOTAL	UNIT PRICE	TOTAL
0093	*	9060-F Temporary Fence, Chain-Link, 48"	LF	1000	\$10.00	\$10,000.00
0094	*	Tree Protection Fence	LF	200	\$5.00	\$1,000.00
0095	*	Tree Trunk Protection	EA	5	\$500.00	\$2,500.00
0096		Trail-Counter Footing, 18" x 48"	EA	1	\$1,000.00	\$1,000.00
0097		9070-A Modular Block Retaining Wall, Precast ReCon Wall Units	SF	1830	\$50.00	\$91,500.00
0098		Concrete Retaining Wall, Elevated Sidewalk	SF	1120	\$35.00	\$39,200.00
0099		Concrete Retaining Wall, Shared Use Path	SF	215	\$35.00	\$7,525.00
0100		9080-A Concrete Steps, Type A	SF	50	\$100.00	\$5,000.00
0101	*	11,020-A Mobilization	LS	1	\$112,795.00	\$112,795.00
0102	*	11,030-A Maintenance of Postal Service	LS	1	\$2,500.00	\$2,500.00
0103	*	11,030-B Maintenance of Solid Waste Collection	LS	1	\$2,500.00	\$2,500.00
0104	*	11040-A Temporary Granular Surfacing, HMA Millings	TON	500	\$50.00	\$25,000.00
0105	*	11,050-A Concrete Washout	LS	1	\$2,500.00	\$2,500.00
0201		FOUNDATION ROCK	TON	100	\$45.00	\$4,500.00
0202		WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, PUS	LF	28	\$190.00	\$5,320.00
0203	*	WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, PUS	LF	46	\$200.00	\$9,200.00
0204		WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, RES	LF	127	\$210.00	\$26,670.00
0205		WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, PUS	LF	340	\$220.00	\$74,800.00
0206		WATER MAIN, TRENCHED, DUCTILE IRON (DI), CLASS 52, PUSH-ON JOINT	LF	2	\$220.00	\$440.00
0207		WATER MAIN, TRENCHED, DUCTILE IRON (DI), CLASS 52, PUSH-ON JOINT	LF	309	\$250.00	\$77,250.00
0208		WATER MAIN, TRENCHED, DUCTILE IRON (DI), CLASS 52, RESTRAINED JO	LF	45	\$275.00	\$12,375.00
0209		FITTINGS BY WEIGHT, DUCTILE IRON (DI), ALL FITTINGS	LB	3576	\$25.00	\$89,400.00
0210		VALVE, GATE, DUCTILE IRON (DI), 8"	EA	1	\$3,000.00	\$3,000.00
0211		VALVE, GATE, DUCTILE IRON (DI), 12"	EA	4	\$5,000.00	\$20,000.00
0212		FIRE HYDRANT ASSEMBLY	EA	6	\$9,000.00	\$54,000.00
0213		WATER SERVICE TRANSFER, COPPER, 1", (LONG SIDE)	EA	18	\$4,200.00	\$75,600.00
0214		WATER SERVICE TRANSFER, COPPER, 1", (SHORT SIDE)	EA	7	\$3,200.00	\$22,400.00
0215		WATER SERVICE TRANSFER COORDINATION, LEAD OR GALVANIZED DO	EA	13	\$1,100.00	\$14,300.00
0216		DMWW TAP FEE FOR WATER SERVICE TRANSFER	EA	25	\$400.00	\$10,000.00
0217		32 LB MAGNESIUM ANODE	EA	10	\$975.00	\$9,750.00

Prepared By: C. Kuhl

Checked By: _____

TOTAL CONSTRUCTION COST \$3,300,000.00

* Item does not have to be included in 4-year maintenance bond, but shall be covered by a 1-year maintenance bond.

* Estimate Total= \$612,695.00