

Agenda Item Number

DATE November 7, 2022

ORDERING CONSTRUCTION OF HAMILTON DRAIN STORM WATER IMPROVEMENTS PHASE 3 AND FIXING A DATE FOR RECEIVING OF BIDS ON NOVEMBER 22, 2022 AND PUBLIC HEARING ON DECEMBER 12, 2022 ENGINEER'S ESTIMATE IS \$8,340,000.00

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:

Hamilton Drain Storm Water Improvements Phase 3, 082022002

The improvement includes the construction of 15-inch to 72-inch storm sewer, concrete box culverts, manholes, intakes, subdrain, sanitary sewer, Portland Cement Concrete (PCC) pavement, Hot Mix Asphalt (HMA) paving, removals, PCC sidewalk, PCC driveways, earthwork, water main adjustments, traffic control, fencing, site furnishings, erosion control, and surface restoration; all in accordance with the contract documents, including Plan File No. 649-001/296, for the construction of storm water detention basins located at 3801 E. 9th Street and 3610 E. 12th Street, and construction of trunk storm sewer from the cul-de-sac in the 3900 block of Amherst Street to the intersection of E. Euclid Avenue and Wright Street, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$8,340,000.00. 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 December 12, 2022, 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 November 22, 2022, 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 November 22, 2022, 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.



Agenda Item Number

DATE November 7, 2022

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.

(City Council Communication Number <u>22-5/3</u> attached.)

Moved by

to adopt. Second by

FORM APPROVED:

s/Kathleen Vanderpool

Kathleen Vanderpool Deputy City Attorney

FUNDS AVAILABLE

the flan

Nickolas J. Schaul Director of Finance

Funding Source: 2022-23 CIP, Page 107, Hamilton Drainage Area Improvements, SM133, Being: \$7,000,000 American Rescue Plan Act (ARPA) Funding (Storm Water), \$340,000 ARPA Funding (Water Main), and the remaining \$1,000,000 in Storm Water Utility Funds from SM133

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT	I, Laura Baumgartner, City Clerk of said City
COWNIE					Council, hereby certify that at a meeting of the
BOESEN					City Council, held on the above date, among other proceedings the above was adopted.
GATTO					biller proceedings the above was adopted.
MANDELBAUM					IN WITNESS WHEREOF, I have hereunto set
SHEUMAKER					my hand and affixed my seal the day and year
VOSS					first above written.
WESTERGAARD					
TOTAL					
MOTION CARRIED				APPROVED	
				Mayo	r City Clerk

7

4

C

DATE: 10/13/2022

PROJECT: HAMILTON DRAIN STORM WATER IMPROVEMENTS PHASE 3

			ESTIMATED UNITS		AMOUNT	
NO.	ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL
0001 *	2010-A	CLEARING AND GRUBBING	UNITS	1149	\$30.00	\$34,470.00
0002 *	2010-B	CLEARING AND GRUBBING	AC	1.6	\$20,000.00	\$32,000.00
0003	2010-D-1	TOPSOIL, ON-SITE	CY	5552	\$15.00	\$83,280.00
0004	2010-D-3	TOPSOIL, OFF-SITE	CY	3712	\$25.00	\$92,800.00
0005	2010-E	CLASS 10 EXCAVATION, WASTE	CY	48300	\$15.00	\$724,500.00
0006	2010-I	SUBGRADE TREATMENT, MIRAFI HP570 GEOTEXTILE	SY	8585	\$10.00	\$85,850.00
0007	2010-J	SUBBASE, MODIFIED SUBBASE, 8"	SY	8585	\$15.00	\$128,775.00
0008 *	2010-J	CLASS A ROADSTONE, INSTALL & REMOVE	TON	2000	\$50.00	\$100,000.00
0009 *	2010-J-2-A	REMOVAL OF KNOWN BOX CULVERT, WOOD	LF	80	\$35.00	\$2,800.00
0010 *	2010-J-2-A	REMOVAL OF KNOWN BOX CULVERT, WOOD, ROOF ONLY	SY	32	\$50.00	\$1,600.00
0011	3010-D	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	2000	\$25.00	\$50,000.00
0012	4010-A-1	SANITARY SEWER GRAVITY MAIN, TRENCHED, 8"	LF	235	\$110.00	\$25,850.00
0013	4010-A-1	SANITARY SEWER GRAVITY MAIN, TRENCHED, 10"	LF	266	\$150.00	\$39,900.00
0014	4010-A-1	SANITARY SEWER GRAVITY MAIN, TRENCHED, 15"	LF	145	\$210.00	\$30,450.00
0015	4010-A-1	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 10"	LF	57	\$225.00	\$12,825.00
0016	4010-A-1	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 15"	LF	60	\$275.00	\$16,500.00
0017	4010-E	SANITARY SEWER SERVICE STUB	LF	325	\$150.00	\$48,750.00
0018	4010-F	SANITARY SEWER SERVICE RELOCATION	EA	10	\$3,000.00	\$30,000.00
0019 *	4010-H	REMOVAL OF SANITARY SEWER, 8" VCP	LF	33	\$55.00	\$1,815.00
0020 *	4010-H	REMOVAL OF SANITARY SEWER, 10" VCP	LF	302	\$75.00	\$22,650.00
0021 *	4010-H	REMOVAL OF SANITARY SEWER, 15" VCP	LF	62	\$95.00	\$5,890.00
0022	4020-A-1	STORM SEWER, TRENCHED, 15"	LF	80	\$130.00	\$10,400.00
0023	4020-A-1	STORM SEWER, TRENCHED, 18"	LF	989	\$120.00	\$118,680.00
0024	4020-A-1	STORM SEWER, TRENCHED, 24"	LF	346	\$160.00	\$55,360.00
0025	4020-A-2	STORM SEWER, TRENCHED, 30"	LF	117	\$180.00	\$21,060.00
0026	4020-A-2	STORM SEWER, TRENCHED, 36"	LF	96	\$200.00	\$19,200.00
0027	4020-A-1	STORM SEWER, TRENCHED, 48"	LF	174	\$300.00	\$52,200.00
0028	4020-A-1	STORM SEWER, TRENCHED, 60"	LF	527	\$325.00	\$171,275.00
0029	4020-A-1	STORM SEWER, TRENCHED, 72"	LF	1201	\$700.00	\$840,700.00
0030	4020-A-2	STORM SEWER, TRENCHED, 54" EQUIVALENT DIAMETER ARC	LF	73	\$450.00	\$32,850.00
0031	IDOT 2415	STORM SEWER, TRENCHED 6'X4' RCBC	LF	485	\$1,100.00	\$533,500.00
0032	4020-A-1	STORM SEWER, PREMANUFACTURED BEND, 60"	EA	8	\$6,500.00	\$52,000.00
0033	4020-A-1	STORM SEWER, PREMANUFACTURED BEND, 72"	EA	14	\$7,500.00	\$105,000.00
0034	4020-A-1	STORM SEWER, PREMANUFACTURED BEND, 6'x4' RCBC	EA	11	\$8,000.00	\$88,000.00
0035	4020-A-2	STORM SEWER, TRENCHLESS, 48"	LF	373	\$1,500.00	\$559,500.00
0036	ESTIMATE REF.	STORM SEWER COLLAR	EA	2	\$4,500.00	\$9,000.00
0037 *	4020-D	REMOVAL OF STORM SEWER < 30" DIA	LF	1205	\$35.00	\$42,175.00
0038 *	4020-G	STORM SEWER ABANDONMENT, FILL AND PLUG	CY	634	\$200.00	\$126,800.00
0039	4030-B	PIPE APRON, RCP, 18"	EA	3	\$2,200.00	\$6,600.00
0040	4030-B	PIPE APRON, RCP, 24"	EA	1	\$1,500.00	\$1,500.00

(1				AMOUNT	
NO		DESCRIPTION				
NO.	ITEM CODE			TOTAL 2	UNIT PRICE	TOTAL \$4,400.00
0041	4030-B	PIPE APRON, RCP, 30"	EA		\$2,200.00	
0042	4030-B	PIPE APRON, RCP, 36"	EA	2	\$3,500.00	\$7,000.00
0043	4030-B	PIPE APRON, RCP, 48"	EA	1	\$4,500.00	\$4,500.00
0044	4030-B	PIPE APRON, RCP, 72"	EA	1	\$9,000.00	\$9,000.00
0045	4030-C	FOOTING FOR CONCRETE PIPE APRON, 18"	EA	3	\$1,000.00	\$3,000.00
0046	4030-C	FOOTING FOR CONCRETE PIPE APRON, 24"	EA	1	\$2,500.00	\$2,500.00
0047	4030-C	FOOTING FOR CONCRETE PIPE APRON, 36"	EA	2	\$2,501.00	\$5,002.00
0048	4030-C	FOOTING FOR CONCRETE PIPE APRON, 48"	EA	1	\$4,000.00	\$4,000.00
0049	4030-C	FOOTING FOR CONCRETE PIPE APRON, 72"	EA	1	\$8,000.00	\$8,000.00
0050	4030-C	PIPE APRON GUARD, 30"	EA	2	\$1,500.00	\$3,000.00
0051	4030-C	PIPE APRON GUARD, 36"	EA	2	\$1,750.00	\$3,500.00
0052	ESTIMATE REF	PIPE COLLAR, SW-211, PC-2	EA	2	\$3,500.00	\$7,000.00
0053	4040-A	SUBDRAIN, 8"	LF	103	\$30.00	\$3,090.00
0054	4040-D	SUBDRAIN OUTLETS AND CONNECTIONS, CMP, 8"	EA	14	\$500.00	\$7,000.00
0055	SUPP. SPEC.	NEW WATER SERVICE	EA	13	\$3,500.00	\$45,500.00
0056	SUPP. SPEC.	ADJUST STOP BOX TO NEW GRADE	EA	20	\$350.00	\$7,000.00
0057	6010-A	MANHOLE, SW-301 (48")	EA	5	\$6,500.00	\$32,500.00
0058	6010-A	MANHOLE, SW-303 (48")	EA	10	\$7,500.00	\$75,000.00
0059	6010-A	MANHOLE, SW-303 (60")	EA	1	\$7,500.00	\$7,500.00
0060	6010-A	MANHOLE, SW-401, 48"	EA	4	\$6,499.00	\$25,996.00
0061	6010-A	MANHOLE, SW-401, 96"	EA	2	\$13,000.00	\$26,000.00
0062	6010-A	MANHOLE, SW-402, 6'X6'	EA	1	\$15,000.00	\$15,000.00
0063	6010-A	MANHOLE, SW-403, 8'X4'	EA	1	\$25,000.00	\$25,000.00
0064	6010-A	MANHOLE, SW-403, 9'X4'	EA	2	\$20,000.00	\$40,000.00
0065	6010-A	MANHOLE, SW-403, 9'X6'	EA	2	\$20,000.00	\$40,000.00
0066	6010-A	MANHOLE, SW-405, 48" ON 60"	EA	2	\$8,000.00	\$16,000.00
0067	6010-A	MANHOLE, SW-405, 48" ON 72"	EA	3	\$9,000.00	\$27,000.00
0068	6010-A	MANHOLE, SW-401M, 48" ON RCB	EA	3	\$4,500.00	\$13,500.00
0069	6010-B	INTAKE, SW-501	EA	2	\$7,500.00	\$15,000.00
0070	6010-B	INTAKE, SW-505	EA	4	\$11,000.00	\$44,000.00
0071	6010-B	INTAKE, SW-507	EA	10	\$7,000.00	\$70,000.00
0072	6010-B	INTAKE, SW-508	EA	1	\$8,500.00	\$8,500.00
0072	6010-B	INTAKE, SW-508M	EA	1	\$9,500.00	\$9,500.00
0074	6010-B	INTAKE, SW-509	EA	12	\$7,500.00	\$90,000.00
0074	6010-B	INTAKE, SW-512, 24"	EA	1	\$3,500.00	\$3,500.00
0075	6010-B	INTAKE, SW-512, 24 INTAKE, SW-513, (4'X4')	EA	1	\$8,000.00	\$8,000.00
	6010-B	S-03 CUSTOM STRUCTURE	EA	1	\$20,000.00	\$20,000.00
0077			EA	1	\$20,000.00	\$20,000.00
0078	6010-B	S-04 CUSTOM STRUCTURE	EA	1	\$20,000.00	\$20,000.00
0079	6010-B		EA	1	\$20,000.00	\$80,000.00
0080	6010-B		EA	1	\$80,000.00	\$80,000.00
0081	6010-B				\$80,000.00	\$3,750.00
0082	6010-E	MANHOLE ADJUSTMENT, MINOR	EA	5		\$3,750.00
0083 *	ESTIMATE REF.	REMOVAL OF APRON, PCC, 15"	EA	1	\$1,500.00	
0084	ESTIMATE REF.	PCC BOXOUT	EA	2	\$1,500.00	\$3,000.00

6C

i.	,					6	C
				ESTIMATE	D UNITS	AMOUNT	
NO.	ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL	
0085	6010-G	CONNECTION TO EXISTING INTAKE	EA	1	\$2,500.00	\$2,500.00	
0086 *	6010-H	REMOVE MANHOLE	EA	7	\$1,500.00	\$10,500.00	
0087 *	6010-H	REMOVE INTAKE	EA	23	\$1,500.00	\$34,500.00	
0088	7010-A	PAVEMENT, PCC, 6"	SY	1255	\$65.00	\$81,575.00	
0089	7010-A	PAVEMENT, PCC, 6", REINFORCED	SY	5160	\$68.00	\$350,880.00	
0090	7010-E	CURB AND GUTTER, 2', 6"	LF	46	\$50.00	\$2,300.00	
0091	7010-E	CURB AND GUTTER, 2.5', 6"	LF	1366	\$55.00	\$75,130.00	
0092	7020-A	HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28H	TON	186	\$125.00	\$23,250.00	
0093	7020-A	HMA STANDARD TRAFFIC (ST) BASE, 3/4", PG 58-28S	TON	370	\$110.00	\$40,700.00	
0094 *	7030-A	REMOVAL OF SIDEWALK	SY	1325	\$15.00	\$19,875.00	
0095 *	7030-A	REMOVAL OF DRIVEWAY	SY	1153	\$15.00	\$17,295.00	
0096	7030-E	SIDEWALK, PCC, 4"	SY	1483	\$63.00	\$93,429.00	
0097	7030-E	SIDEWALK, PCC, 6"	SY	1475	\$75.00	\$110,625.00	
0098	7030-G	DETECTABLE WARNINGS	SF	422	\$55.00	\$23,210.00	
0099	7030-H-1	DRIVEWAY, PAVED, PCC, 6"	SY	1025	\$65.00	\$66,625.00	
0100 *	7030-H-2	DRIVEWAY,GRANULAR	TON	500	\$40.00	\$20,000.00	
0101 *	7040-H	PAVEMENT REMOVAL	SY	8260	\$17.00	\$140,420.00	
0102	7080-B	ENGINEERING FABRIC	SY	1000	\$5.00	\$5,000.00	
0103 *	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	\$40,000.00	\$40,000.00	
0104 *	8030-A	REPLACE STREET SIGNS	EA	11	\$250.00	\$2,750.00	
0105 *	9010-B	HYDRAULIC SEEDING, TYPE A (LAWN)	AC	2.1	\$5,000.00	\$10,500.00	
0106 *	9010-B	HYDRAULIC SEEDING, TYPE B (SLOPE SEED MIX)	AC	3.2	\$5,000.00	\$16,000.00	
0107 *	9010-B	HYDRAULIC SEEDING, TYPE C (SEMI WET BASIN MIX)	AC	1.5	\$5,000.00	\$7,500.00	
0108 *	9010-E	WARRANTY	LS	1	\$5,000.00	\$5,000.00	
0109 *	9020-A	SOD	SQ	2350	\$110.00	\$258,500.00	
0110 *	SPECIAL PROV.	STORM WATER POLLUTION PREVENTION	LS	1	\$15,000.00	\$15,000.00	
0111 *	9030-D	PLANTS WITH WARRANTY	LS	1	\$20,000.00	\$20,000.00	
0112 *	9040-D-1	FILTER SOCK, 12"	LF	2700	\$3.00	\$8,100.00	
0113 *	9040-D-2	FILTER SOCK, REMOVAL	LF	2700	\$1.00	\$2,700.00	
0114 *	9040-E-0	TEMPORARY RECP, TYPE 1A	SY	12447	\$3.00	\$37,341.00	
0115 *	9040-E-0	TEMPORARY RECP, TYPE 2C	SY	9425	\$3.00	\$28,275.00	
0116	9040-J-0	RIP RAP, CLASS E	TON	1592	\$55.00	\$87,560.00	
0117	ESTIMATE REF.	FLEXAMAT	SF	18500	\$7.50	\$138,750.00	
0118 *	9040-N-1	SILT FENCE	LF	250	\$3.00	\$750.00	
0119 *	9040-N-3	SILT FENCE, REMOVAL OF DEVICE	LF	250	\$1.00	\$250.00	
0120 *	9040-O-2	STABILIZED CONSTRUCTION ENTRANCE	TON	500	\$55.00	\$27,500.00	
0121 *	9040-Q-2	EROSION CONTROL MULCHING, HYDROMULCHING	AC	2.5	\$3,000.00	\$7,500.00	
0122 *	9040-T-1	INLET PROTECTION DEVICE	EA	120	\$250.00	\$30,000.00	
0123 *	9040-T-2	INLET PROTECTION DEVICE MAINTENANCE	EA	120	\$10.00	\$1,200.00	
0124	9060-A	CHAIN LINK FENCE, 48", BLACK VINYL COATED	LF	56	\$22.00	\$1,232.00	
0125	9060-A	CHAIN LINK FENCE, 48"	LF	1414	\$20.00	\$28,280.00	
0126	9060-A	CHAIN LINK FENCE, 72"	LF	176	\$30.00	\$5,280.00	
0127	ESTIMATE REF.	WOOD FENCE, 72"	LF	415	\$32.00	\$13,280.00	
0128	9060-B	GATES, CHAINLINK, 48"	EA	1	\$1,500.00	\$1,500.00	

i.	Þ					
			ESTIMATED UNITS			AMOUNT
NO.	ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL
0129 *	9060-E	REMOVAL OF FENCE	LF	1650	\$6.00	\$9,900.00
0130 *	9060-F	TEMPORARY FENCE, CHAIN LINK SECURITY FENCE, 72"	LF	1080	\$10.00	\$10,800.00
0131	9070-A	MODULAR BLOCK RETAINING WALL	SF	203	\$50.00	\$10,150.00
0132	9072-A	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	CY	10	\$1,000.00	\$10,000.00
0133 *	ESTIMATE REF.	REMOVE SHED	EA	1	\$1,500.00	\$1,500.00
0134 *	11,020-A	MOBILIZATION	LS	1	\$600,395.00	\$600,395.00
0135 *	SPECIAL PROV.	PRECONSTRUCTION CRACK AND DAMAGE SURVEY	LS	1	\$20,000.00	\$20,000.00
0136	ESTIMATE REF.	RELOCATE AND REPLACE BACKYARD ITEMS	LS	1	\$4,500.00	\$4,500.00
0137 *	ESTIMATE REF.	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	DAY	14	\$175.00	\$2,450.00
0138 *	ESTIMATE REF.	POTHOLING	EA	25	\$1,100.00	\$27,500.00
0139 *	ESTIMATE REF.	SAWCUTTING DUST AND SLURRY MANAGEMENT	LS	1	\$5,000.00	\$5,000.00
0140 *	11030-A	MAINTENANCE OF POSTAL SERVICE	LS	1	\$10,000.00	\$10,000.00
0141 *	11030-B	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1	\$15,000.00	\$15,000.00
		DIVISION 2: DES MOINES WATER WORKS				
0200	SPECIAL PROV.	6" CL 52 DIP, STAB JOINT, TRENCHED	LF	190	\$200.00	\$38,000.00
0201	SPECIAL PROV.	8" CL 52 DIP, RESTRAINED JOINT, TRENCHED	LF	330	\$200.00	\$66,000.00
0202	SPECIAL PROV.	8" C900 DR18 PVC, RESTRAINED JOINT, TRENCHED	LF	35	\$100.00	\$3,500.00
0203	SPECIAL PROV.	8" C900 DR18 PVC, STAB JOINT, TRENCHED	LF	585	\$100.00	\$58,500.00
0204	SPECIAL PROV.	FITTING BY WEIGHT, DUCTILE IRON	LBS	3360	\$10.00	\$33,600.00
0205	SPECIAL PROV.	8" VALVE	EA	9	\$2,800.00	\$25,200.00
0206 *	SPECIAL PROV.	REMOVE EXISTING HYDRANT ASSEMBLY	EA	2 ·	\$2,600.00	\$5,200.00
0207	SPECIAL PROV.	NEW 6" HYDRANT ASSEMBLY	EA	3	\$10,000.00	\$30,000.00
0208	SPECIAL PROV.	MAGNESIUM ANODE, 32-LB	EA	5	\$1,000.00	\$5,000.00
0209 *	SPECIAL PROV.	REMOVAL OF EXISTING WATER MAIN	LF	200	\$20.00	\$4,000.00
0210	SPECIAL PROV.	FOUNDATION ROCK	TON	200	\$35.00	\$7,000.00
0211	SPECIAL PROV.	1" WATER SERVICE TRANSFER	EA	8	\$2,500.00	\$20,000.00
0212	SPECIAL PROV.	16" CASING PIPE	LF	60	\$200.00	\$12,000.00
0213 *	SPECIAL PROV.	ABANDONMENT OF EXISTING WATER MAIN	LS	1	\$20,000.00	\$20,000.00
0214 *	SPECIAL PROV.	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE	EA	3	\$4,000.00	\$12,000.00

Prepared By: C.Kuhl

Checked By: _____

TOTAL CONSTRUCTION COST

\$8,340,000.00

6 C

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

* Estimate Total= \$1,876,901.00