

DATE March 26, 2012

ORDERING CONSTRUCTION OF
2012 SEWER REPAIR - CONTRACT 1
AND FIXING A DATE FOR RECEIVING OF BIDS ON APRIL 10, 2012
AND PUBLIC HEARING ON APRIL 23, 2012
ENGINEER'S ESTIMATE IS \$1,200,000.00

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:

2012 Sewer Repair - Contract 1, 08-2012-001

Disaster Number: FEMA-1930

The improvement includes repair of storm and sanitary sewers, restoration of slope failures, protection of sanitary sewers, installation of manholes, installation of sheet pile and rip rap, installation of gabion baskets, grading, restoration of pavement and landscaping, and other incidental items; all work in accordance with the contract documents including Plan File Nos. 543-076/111 at the following locations: 3500 E. Watrous Avenue, 5205 E. 38th Street, 3608 Brook Ridge Court, 5706 S.W. 4th Street, S.E. 5th Street and E. Marion Street, 1525 Kenyon Avenue, 3790 Kinsey Avenue, 3000 Block of Park Avenue, 1646 E. Park Avenue, and 2683 E. Pine Avenue, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$1,200,000.00. 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 April 23, 2012, 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 April 10, 2012, 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 April 10, 2012, 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

7B

DATE March 26, 2012

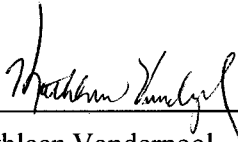
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders and Notice of Public Hearing for said improvement be published in the Des Moines Register as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 12-129 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE




Kathleen Vanderpool
Deputy City Attorney

Scott E. Sanders
Des Moines Finance Director

Funding Source: 2012-2013 CIP, Page Storm - 4, City-wide Storm Water Utility Projects, STE057, Being: \$48,025 in FEMA funding; \$582,037 in Storm Water Utility Revenue Bonds to be issued; \$557,808 in Sanitary Sewer Bonds to be issued from SAE054, City-wide Sanitary Sewers; and the remaining \$12,130 from Des Moines Water Works

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				

MOTION CARRIED

APPROVED

Mayor

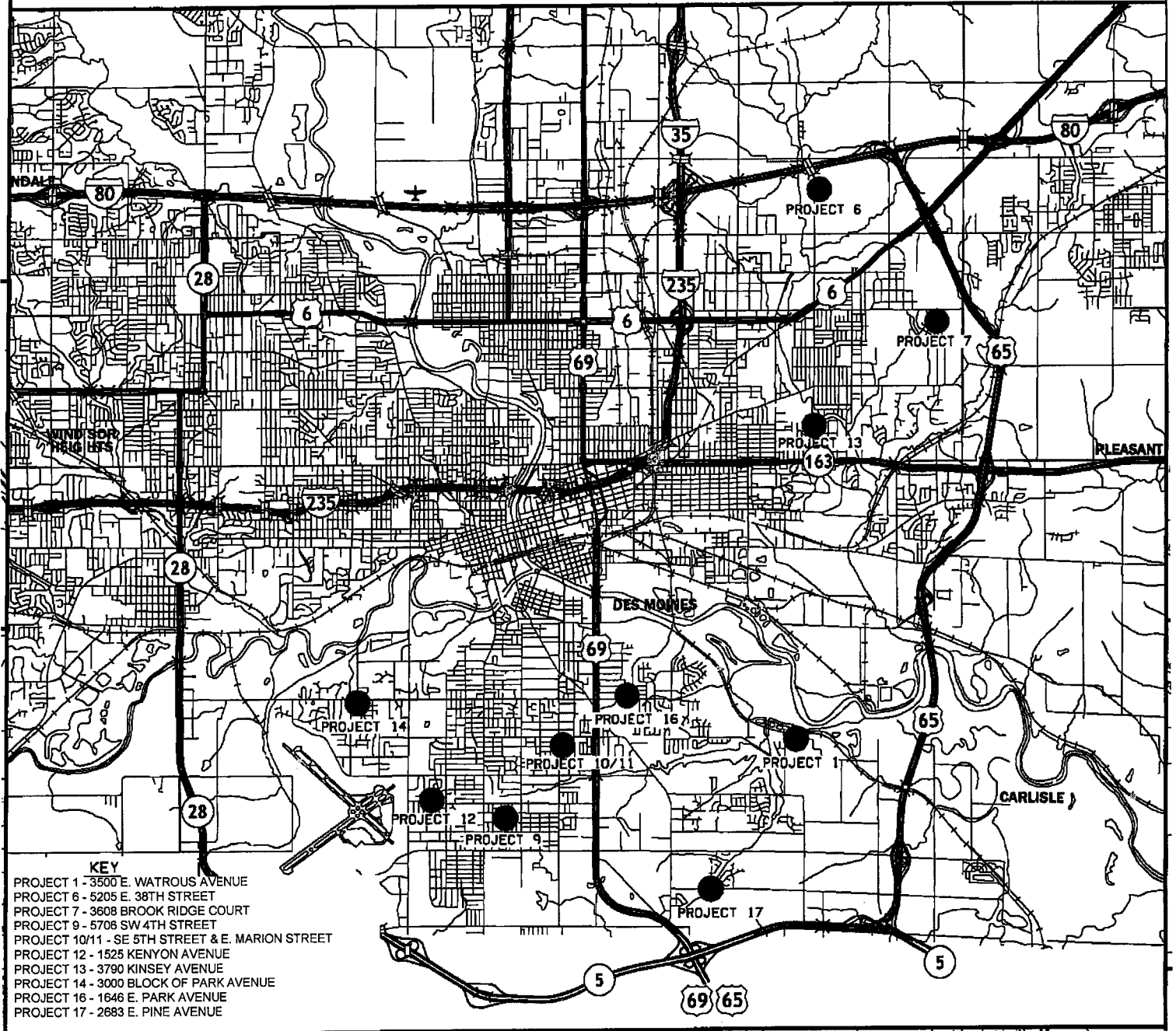
I, Diane Rauh, City Clerk of said City Council, hereby certify that at a meeting of the City Council, held on the above date, among other proceedings the above was adopted.

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

City Clerk

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PROJECT VICINITY MAP
(Not to Scale)



2012 SEWER REPAIR - CONTRACT 1
ACTIVITY ID 08-2012-001

7B

CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 08-2012-001
Date: 03/13/2012

PROJECT: 2012 SEWER REPAIR - CONTRACT 1

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1.01	* MOBILIZATION	LS	1	\$9,000.00	\$9,000.00
1.02	* CLEARING & GRUBBING	AC	0.52	\$25,000.00	\$13,000.00
1.03	* TOPSOIL, OFFSITE (FURNISH & PLACE)	CY	725	\$15.00	\$10,875.00
1.04	* EXCAVATION, CLASS 10, ROADWAY & BORROW (FURNISH & PLACE)	CY	2005	\$9.00	\$18,045.00
1.05	* SITE REMOVALS, AS PER PLAN	LS	1	\$5,000.00	\$5,000.00
1.06	* REMOVAL OF PAVEMENT	SY	370	\$9.00	\$3,330.00
1.07	* SPECIAL BACKFILL	CY	70	\$35.00	\$2,450.00
1.08	* SHLD CONSTRUCTION, EARTH	LF	300	\$12.00	\$3,600.00
1.09	* TRENCH FOUNDATION	TON	16	\$30.00	\$480.00
1.10	STORM SEWER, TRENCHED, RCP, CLASS III, 15 IN.	LF	47	\$75.00	\$3,525.00
1.11	STORM SEWER, TRENCHED, RCP, CLASS III, 48 IN.	LF	40	\$200.00	\$8,000.00
1.12	STORM SEWER, TRENCHED, RCP, CLASS III, 54 IN.	LF	28	\$250.00	\$7,000.00
1.13	* REMOVAL OF STORM SEWER GREATER THAN 36 IN.	LF	26	\$50.00	\$1,300.00
1.14	PIPE APRON, CONCRETE, 15 IN.	EA	1	\$1,100.00	\$1,100.00
1.15	PIPE APRON, CONCRETE, 48 IN.	EA	1	\$2,500.00	\$2,500.00
1.16	PIPE APRON, CONCRETE, 54 IN.	EA	1	\$3,000.00	\$3,000.00
1.17	* PREPARATION EXCAVATION FOR TAPPING SLEEVE AND VALVE	LS	1	\$2,500.00	\$2,500.00
1.18	WATER MAIN, TRENCHED, RESTRAINED JOINT, PVC C900, DR18, 8 IN.	LF	100	\$65.00	\$6,500.00
1.19	WATER MAIN, 8 IN., BEND	EA	3	\$500.00	\$1,500.00
1.20	WATER MAIN, 8 IN., CAP	EA	1	\$250.00	\$250.00
1.21	WATER MAIN, 8-IN., SOLID SLEEVE	EA	1	\$300.00	\$300.00
1.22	* REMOVAL OF WATER MAIN, 8 IN., PVC	LF	72	\$15.00	\$1,080.00
1.23	MANHOLE, STORM SEWER, SW-401, 96 IN.	EA	1	\$10,000.00	\$10,000.00
1.24	HMA PAVEMENT, 6 IN., 1M ESAL, PG 64-22	SY	370	\$45.00	\$16,650.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1.25	PAVED SHOULDER, HMA 6 IN.	SY	131	\$60.00	\$7,860.00
1.26 *	DRIVEWAY, GRANULAR	TON	17	\$35.00	\$595.00
1.27 *	TRAFFIC CONTROL	LS	1	\$7,500.00	\$7,500.00
1.28 *	CONVENTIONAL SEEDING, TYPE 2 (PERMANENT COOL-SEASON MIXTURE)	AC	0.56	\$5,400.00	\$3,024.00
1.29 *	CONVENTIONAL SEEDING, TYPE 5 (RURAL TEMPORARY EROSION CONTROL MIXTURE)	AC	0.6	\$3,400.00	\$2,040.00
1.30 *	HYDRAULIC SEEDING, FERTILIZING & MULCHING, TYPE 1 (PERMANENT LAWN MIXTURE)	SF	1310	\$0.50	\$655.00
1.31 *	TEMPORARY ROLLED EROSION CONTROL PRODUCTS (RECP)	SY	1462	\$2.00	\$2,924.00
1.32 *	EROSION CONTROL MULCHING, CONVENTIONAL MULCHING	AC	0.6	\$800.00	\$480.00
1.33 *	CHECK DAM, ROCK, INSTALLATION	EA	3	\$1,000.00	\$3,000.00
1.34 *	CHECK DAM, ROCK, CLEAN-OUT	EA	3	\$500.00	\$1,500.00
1.35 *	CHECK DAM, ROCK, REMOVAL	EA	3	\$800.00	\$2,400.00
1.36 *	SILT FENCE, INSTALLATION	LF	750	\$3.00	\$2,250.00
1.37 *	SILT FENCE, REMOVAL OF SEDIMENT	LF	750	\$1.00	\$750.00
1.38 *	SILT FENCE, REMOVAL OF DEVICE	LF	750	\$2.00	\$1,500.00
1.39 *	REVTMENT FOR OUTLET PROTECTION, CLASS E, W/ FABRIC	TON	140	\$45.00	\$6,300.00
1.40	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	5.1	\$80.00	\$408.00
1.41 *	TREE PROTECTION PLAN	LS	1	\$1,500.00	\$1,500.00
1.42 *	TREE PROTECTION FENCE	LF	500	\$3.00	\$1,500.00
1.43 *	PROJECT SIGN SMALL-STANDARD	EA	1	\$500.00	\$500.00
2.01 *	MOBILIZATION	LS	1	\$58,511.00	\$58,511.00
2.02 *	CLEARING & GRUBBING	AC	2.33	\$25,000.00	\$58,250.00
2.03 *	TOPSOIL, OFFSITE (FURNISH & PLACE)	CY	2077	\$15.00	\$31,155.00
2.04 *	EXCAVATION, CLASS 10, ROADWAY & BORROW (FURNISH & PLACE)	CY	1765	\$9.00	\$15,885.00
2.05 *	SITE REMOVALS, AS PER PLAN	LS	1	\$20,000.00	\$20,000.00
2.06 *	REMOVAL OF PAVEMENT	SY	104	\$9.00	\$936.00
2.07 *	REMOVAL OF PAVED DRIVEWAY/SIDEWALK	SY	404	\$8.00	\$3,232.00
2.08 *	SPECIAL BACKFILL	CY	79	\$35.00	\$2,765.00
2.09	SANITARY SEWER GRAVITY MAIN, TRENCHED, 10 IN.	LF	104	\$160.00	\$16,640.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
2.10 *	REMOVAL OF SANITARY SEWER EQUAL TO OR LESS THAN 36 IN.	LF	104	\$25.00	\$2,600.00
2.11	STORM SEWER, TRENCHED, RCP, CLASS III, 15 IN.	LF	16	\$100.00	\$1,600.00
2.12	STORM SEWER, TRENCHED, RCP, CLASS III, 18 IN.	LF	12	\$125.00	\$1,500.00
2.13	STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN.	LF	13	\$150.00	\$1,950.00
2.14	STORM SEWER, TRENCHED, RCP, CLASS III, 36 IN.	LF	16	\$185.00	\$2,960.00
2.15	STORM SEWER, TRENCHED, RCP, CLASS III, 42 IN.	LF	73	\$200.00	\$14,600.00
2.16	REMOVE & REINSTALL STORM SEWER LESS THAN OR EQUAL TO 36 IN.	LF	16	\$75.00	\$1,200.00
2.17 *	REMOVAL OF STORM SEWER LESS THAN OR EQUAL TO 36 IN.	LF	286	\$25.00	\$7,150.00
2.18	PIPE APRON, CONCRETE, 18 IN.	EA	1	\$1,800.00	\$1,800.00
2.19	PIPE APRON, CONCRETE, 24 IN.	EA	2	\$2,000.00	\$4,000.00
2.20	PIPE APRON, CONCRETE, 42 IN.	EA	2	\$3,500.00	\$7,000.00
2.21	SUBDRAIN, PVC, 6 IN.	LF	1195	\$25.00	\$29,875.00
2.22	SUBDRAIN CLEANOUT, TYPE A-1	EA	6	\$500.00	\$3,000.00
2.23	SUBDRAIN OUTLET	EA	5	\$500.00	\$2,500.00
2.24	SANITARY SEWER STREAM CROSSING ENCASEMENT	LS	1	\$53,000.00	\$53,000.00
2.25 *	SEWAGE BYPASSING	LS	1	\$2,500.00	\$2,500.00
2.26	MANHOLE, SANITARY SEWER, SW-301, 48 IN.	EA	1	\$5,000.00	\$5,000.00
2.27	INTAKE, CIRCULAR SINGLE GRATE, SW-502, MOD. 72"	EA	1	\$5,000.00	\$5,000.00
2.28	MANHOLE, STORM SEWER, SW-401, 48 IN.	EA	2	\$3,500.00	\$7,000.00
2.29	MANHOLE, STORM SEWER, SW-401, 72 IN.	EA	1	\$6,500.00	\$6,500.00
2.30	MANHOLE, STORM SEWER, SW-404, 103 IN x 103 IN, CUSTOM	EA	1	\$20,000.00	\$20,000.00
2.31 *	REMOVE MANHOLE	EA	4	\$500.00	\$2,000.00
2.32	PAVEMENT, PCC/HMA COMPOSITE PATCH, MIN. 8 IN. DEPTH	SY	100	\$48.00	\$4,800.00
2.33	PCC CURB & GUTTER, 6 IN SLOPED	LF	525	\$28.00	\$14,700.00
2.34	CONCRETE FLUME W/ 6 IN SLOPED CURB	EA	2	\$1,000.00	\$2,000.00
2.35	DRIVEWAY, PAVED, PCC, 6 IN.	SY	400	\$40.00	\$16,000.00
2.36	SIDEWALK, PCC, 4 IN.	SY	50	\$32.00	\$1,600.00
2.37 *	DRIVEWAY, GRANULAR	TON	15	\$35.00	\$525.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
2.38	* TRAFFIC CONTROL	LS	1	\$20,000.00	\$20,000.00
2.39	* SODDING	SQ	307	\$45.00	\$13,815.00
2.40	* CONVENTIONAL SEEDING, TYPE 2 (PERMANENT COOL-SEASON MIXTURE)	AC	0.75	\$20,000.00	\$15,000.00
2.41	* CONVENTIONAL SEEDING, TYPE 5 (RURAL TEMP EROSION CONTROL MIXTURE)	AC	1.74	\$7,000.00	\$12,180.00
2.42	* HYDRAULIC SEEDING, FERTILIZING & MULCHING, TYPE 1 (PERMANENT LAWN MIXTURE)	AC	0.26	\$22,000.00	\$5,720.00
2.43	* TEMPORARY ROLLED EROSION CONTROL PRODUCTS (RECP)	SY	1900	\$2.00	\$3,800.00
2.44	* TURF REINFORCEMENT MATS (TRM)	SQ	300	\$50.00	\$15,000.00
2.45	* EROSION CONTROL MULCHING, CONVENTIONAL MULCHING	AC	1.74	\$1,000.00	\$1,740.00
2.46	* CHECK DAM, ROCK, INSTALLATION	EA	4	\$1,000.00	\$4,000.00
2.47	* CHECK DAM, ROCK, CLEAN-OUT	EA	4	\$500.00	\$2,000.00
2.48	* CHECK DAM, ROCK, REMOVAL	EA	4	\$800.00	\$3,200.00
2.49	* SILT FENCE, INSTALLATION	LF	1695	\$3.00	\$5,085.00
2.50	* SILT FENCE, REMOVAL OF SEDIMENT	LF	1695	\$1.00	\$1,695.00
2.51	* SILT FENCE, REMOVAL OF DEVICE	LF	1695	\$2.00	\$3,390.00
2.52	* STABILIZED CONSTRUCTION ENTRANCE	TON	100	\$40.00	\$4,000.00
2.53	GABION BASKETS	CY	144	\$500.00	\$72,000.00
2.54	* REVETMENT FOR BANK STABILIZATION, CLASS B, W/ FABRIC	TON	255	\$60.00	\$15,300.00
2.55	* REVETMENT FOR BANK STABILIZATION, CLASS E, W/ FABRIC	TON	1728	\$50.00	\$86,400.00
2.56	* REVETMENT FOR OUTLET PROTECTION, CLASS E, W/ FABRIC	TON	245	\$50.00	\$12,250.00
2.57	* REVETMENT FOR OUTLET PROTECTION, FIELD STONE, W/ FABRIC	TON	152	\$70.00	\$10,640.00
2.58	* REMOVE & REINSTALL WOOD FENCE	LF	140	\$50.00	\$7,000.00
2.59	* REMOVE & REINSTALL FIELD FENCE	LF	110	\$15.00	\$1,650.00
2.60	* REMOVE & REINSTALL CHAIN LINK FENCE	LF	285	\$20.00	\$5,700.00
2.61	* CONSTRUCTION ACCESS & STAGING	LS	1	\$10,000.00	\$10,000.00
2.62	* TEMPORARY GRANULAR SURFACING	TON	156	\$35.00	\$5,460.00
2.63	* TREE PROTECTION PLAN	LS	1	\$15,000.00	\$15,000.00
2.64	* TREE PROTECTION FENCE	LF	1800	\$3.00	\$5,400.00
2.65	* PROJECT SIGN SMALL-STANDARD	EA	10	\$500.00	\$5,000.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
2.66	STEEL SHEET PILE - INSTALLATION	SF	3300	\$25.00	\$82,500.00
2.67	STEEL SHEET PILE - FURNISH & INSTALLATION	SF	3673	\$40.00	\$146,920.00
2.68	DEEP RECONSTRUCTION REPAIR	SF	5	\$150.00	\$750.00

Prepared By: Zach Erickson per Foth Infrastructure and Environment, LLC

Checked By: Dani Lerner

TOTAL CONSTRUCTION COST \$1,200,000.00

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

* Estimate Total= \$605,012.00