



DATE March 8, 2010

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON S.E. 6TH STREET WIDENING - E. COURT AVENUE TO THE DES MOINES RIVER; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS ELDER CORPORATION, JARED R. ELDER II, PRESIDENT, \$1,744,999.99

WHEREAS, on February 8, 2010, under Roll Call No. 10-167, plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following improvement:

S.E. 6th Street Widening - E. Court Avenue to the Des Moines River, 06-2009-007

The improvement includes reconstructing the existing roadway into a three-lane roadway with one lane in each direction along with a center left-turn lane and bike lanes. The roadway will also be improved to an urban standard section with curbs and storm sewer. The widening project will help accommodate existing traffic demands on this collector roadway, as well as the anticipated increase in traffic volumes anticipated once the Southeast Connector is constructed to S.E. 6th Street. This project will include grading, pavement, storm sewers & intakes, and other incidental items; in accordance with the contract documents, including Plans File Nos. 515-037/163, on S.E. 6th Street from E. Court Avenue to the Des Moines River, Des Moines, Iowa

WHEREAS, notice of the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost was published as required by law.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the hearing on the plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost for said improvement be closed; and that said plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost are hereby approved as the plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost for said improvement.

BE IT FURTHER RESOLVED: That sealed bids for said improvement were submitted by the following bidders:

- | | |
|------------------------------------|---------------------|
| Elder Corporation | Des Moines, IA |
| Manatts, Inc. | Johnston, IA |
| Corell Contractor, Inc. | West Des Moines, IA |
| Sternquist Construction Inc. | Indianola, IA |
| Concrete Technologies, Inc. | Urbandale, IA |
| Jasper Construction Services, Inc. | Newton, IA |

which were received and opened at a public meeting presided over by the Jurisdictional Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on February 23, 2010. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.



Roll Call Number

Agenda Item Number

45

DATE March 8, 2010

BE IT FURTHER RESOLVED: That the Jurisdictional Engineer has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Elder Corporation, Jared R. Elder II, President, 5088 E. University Avenue, Des Moines, IA, 50327 in the amount of \$1,744,999.99, and said bid be and the same is hereby accepted.

BE IT FURTHER RESOLVED: That the bid security of the unsuccessful bidders be and is hereby authorized and directed to be returned.

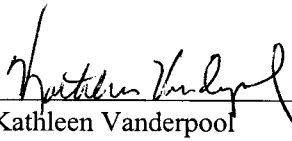
BE IT FURTHER RESOLVED: That the Jurisdictional Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Jurisdictional Engineer is directed to thereafter present said contract documents to this Council for approval and authorization to the Mayor to sign; and that no contract shall be deemed to exist between the City of Des Moines and said Bidder until said contract has been executed by the Bidder, and shall have been approved by this Council and executed by the Mayor and attested to by the City Clerk.

(City Council Communication Number 10-122 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE


Kathleen Vanderpool
Deputy City Attorney


Allen McKinley
Des Moines Finance Director

Funding Source: 2009-2010 CIP, Page Street-39, S.E. 6th Street Widening - Court Avenue to the Des Moines River, STR237, TIF-Backed G. O. Bonds

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

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.

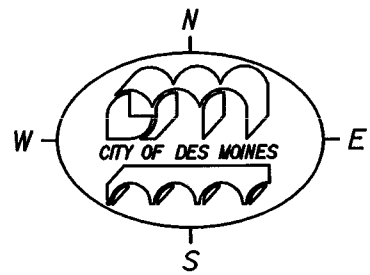
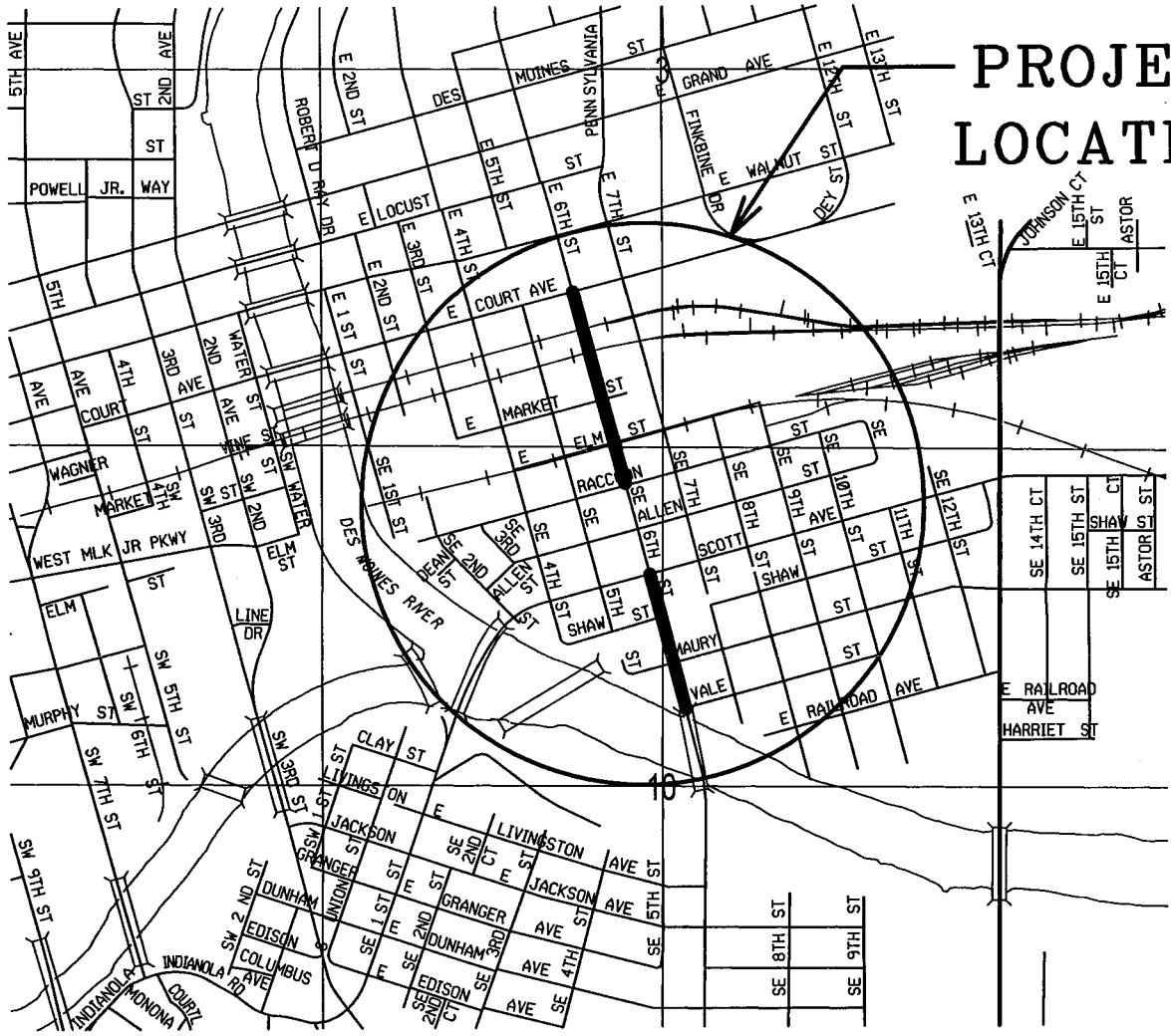
MOTION CARRIED

APPROVED

Mayor

City Clerk

PROJECT LOCATION



S. E. 6TH STREET WIDENING COURT AVENUE TO THE DES MOINES RIVER ACTIVITY ID 06-2009-007

TABULATED BY: M. Becker
CHECKED BY: *E. J. Schaefer*
APPROVED BY: *John F. Walker*

CONTRACTOR'S BID TABULATION
PROJECT: SE 6th Street Widening - Court Ave to the Des Moines River

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE		AMOUNT		Elder Corporation Des Moines, Iowa		Manattis Johnston, Iowa		Corell Contractor Inc West Des Moines, Iowa	
			UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT
1	Mobilization	1 LS		\$131,385.00	\$131,385.00							
2	Relocation of Mailboxes	1 LS		\$1,500.00	\$1,500.00							
3	Project Sign (Large)	1 Each		\$1,000.00	\$1,000.00							
4	Construction Survey	1 LS		\$15,000.00	\$15,000.00							
5	Clearing and Grubbing	4.7 Acre		\$5,000.00	\$23,500.00							
6	Topsoil, Strip, Salvage, and Respread	3770 CY		\$6.50	\$24,505.00							
7	Class 10 Excavation	10704 CY		\$6.50	\$69,576.00							
8	Geogrid	600 SY		\$2.50	\$1,500.00							
9	Core Out Excavation	500 CY		\$8.00	\$4,000.00							
10	Select Backfill	650 CY		\$8.00	\$5,200.00							
11	Flyash	100 TON		\$46.00	\$4,600.00							
12	Subgrade Preparation	16638 SY		\$2.50	\$41,595.00							
13	Modified Subbase	16908 SY		\$8.00	\$135,264.00							
14	Removal of Existing Storm Intakes	12 Each		\$500.00	\$6,000.00							
15	Removal of Existing Storm Sewer < 36"	345 LF		\$20.00	\$6,900.00							
16	Flowable Mortar	15 CY		\$120.00	\$1,800.00							
17	Sewer, Class 3 RCP Storm, 15"	672 LF		\$40.00	\$26,880.00							
18	Sewer, Class 3 RCP Storm, 18"	295 LF		\$50.00	\$14,750.00							
19	Subdrain, Longitudinal, 6"	5235 LF		\$16.00	\$83,760.00							
20	Subdrain Outlet	23 Each		\$250.00	\$5,750.00							
21	Subdrain Cleanout, Type 1	7 Each		\$300.00	\$2,100.00							
22	Adjustment of Water Valves, Major	1 Each		\$1,000.00	\$1,000.00							
23	Lower Existing Water Service With New Copper	7 Each		\$1,200.00	\$8,400.00							
24	Water Service, 1" Copper	285 LF		\$35.00	\$9,975.00							
25	Abandon Water Service	8 Each		\$300.00	\$2,400.00							
26	New Fire Hydrant Assembly	1 Each		\$4,000.00	\$4,000.00							
27	Relocate Hydrant Assembly	2 Each		\$2,500.00	\$5,000.00							
28	Remove Existing Hydrant Assembly	1 Each		\$4,000.00	\$4,000.00							
29	Storm Sewer Manhole Adjustment, Major	2 Each		\$1,500.00	\$3,000.00							
30	Sanitary Manhole Adjustment, Major	3 Each		\$1,500.00	\$4,500.00							
31	Connection to Existing Structure, Storm	6 Each		\$500.00	\$3,000.00							
32	Storm Manhole, Type 'M-A'	1 Each		\$3,500.00	\$3,500.00							
33	Intake, Type 'M-A'	3 Each		\$3,000.00	\$9,000.00							
34	Intake, Type 'M-C' Combination	4 Each		\$4,250.00	\$17,000.00							
35	Intake, Type 'M-D'	3 Each		\$4,250.00	\$12,750.00							
36	Intake, Type 'M-E' Combination	3 Each		\$5,500.00	\$16,500.00							
37	Standard/Slipform PCC Pavement, Class C Mix, 9"	15258 SY		\$43.00	\$656,094.00							
38	Concrete Washouts	4 Each		\$300.00	\$1,200.00							
39	Drill and Dowel Pavement	460 LF		\$8.00	\$3,680.00							
40	9" Pavement Reinforcing Steel	235 SY		\$25.00	\$5,875.00							
41	9" Pavement Reinforcing Steel, Railroad Approach	174 SY		\$30.00	\$5,220.00							

45

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
42	Sidewalk, PCC, 4"	3180 SY	\$27.00	\$85,860.00	\$20.50	\$65,190.00	\$24.50	\$77,910.00	\$23.58	\$74,984.40
43	Detectable Warnings, Truncated Domes	328 SF	\$25.00	\$8,200.00	\$19.25	\$6,314.00	\$30.50	\$10,004.00	\$30.75	\$10,086.00
44	Driveway, PCC, 7"	1347 SY	\$36.00	\$48,492.00	\$30.50	\$41,083.50	\$30.50	\$41,083.50	\$31.50	\$42,430.50
45	Driveway, PCC, 6"	175 SY	\$36.00	\$6,300.00	\$30.50	\$5,337.50	\$29.00	\$5,075.00	\$28.31	\$4,954.25
46	Pavement, HMA, Full Depth	125 SY	\$60.00	\$7,500.00	\$63.00	\$7,875.00	\$61.50	\$7,687.50	\$61.50	\$7,687.50
47	Temporary Pavement, HMA, 6"	270 SY	\$45.00	\$12,150.00	\$42.50	\$11,475.00	\$41.50	\$11,205.00	\$41.51	\$11,207.70
48	Granular Surfacing, Class A Crushed Stone	200 Ton	\$25.00	\$5,000.00	\$21.75	\$4,350.00	\$22.30	\$4,460.00	\$37.00	\$7,400.00
49	Pavement Removal	9144 SY	\$10.00	\$91,440.00	\$2.75	\$25,146.00	\$3.10	\$28,346.40	\$6.50	\$59,436.00
50	Removal of Driveway and Sidewalk Pavement	4361 SY	\$5.00	\$21,805.00	\$2.40	\$10,466.40	\$2.70	\$11,774.70	\$7.50	\$32,707.50
51	Traffic Control	1 LS	\$12,500.00	\$12,500.00	\$18,000.00	\$18,000.00	\$10,800.00	\$10,800.00	\$10,762.00	\$10,762.00
52	Traffic Signalization	1 LS	\$360,000.00	\$360,000.00	\$238,000.00	\$238,000.00	\$232,800.00	\$232,800.00	\$232,660.00	\$232,660.00
53	Permanent Pavement Markings, Profiled Marking Tape	126.23 Sta	\$350.00	\$44,180.50	\$340.00	\$42,918.20	\$279.00	\$35,218.17	\$279.00	\$35,218.17
54	Permanent Pavement Markings, Intersection Marking Tape	30.57 Sta	\$375.00	\$11,463.75	\$290.00	\$8,865.30	\$320.00	\$9,782.40	\$319.00	\$9,751.83
55	Pre-cut Symbols and Legends, Intersection Marking Tape	61 Each	\$350.00	\$21,350.00	\$340.00	\$20,740.00	\$330.00	\$20,130.00	\$328.00	\$20,008.00
56	Sod	1293 SQ	\$38.00	\$49,134.00	\$28.25	\$36,527.25	\$23.85	\$30,838.05	\$23.83	\$30,812.19
57	Silt Fence	2606 LF	\$2.00	\$5,212.00	\$1.60	\$4,169.60	\$1.55	\$4,039.30	\$1.85	\$4,821.10
58	Silt Fence Removal	2606 LF	\$1.00	\$2,606.00	\$0.10	\$260.60	\$0.15	\$390.90	\$0.05	\$130.30
59	Inlet Protection Device, Furnish, Install, and Remove	19 Each	\$150.00	\$2,850.00	\$93.50	\$1,776.50	\$91.00	\$1,729.00	\$20.50	\$389.50
60	Type "I" Inlet Filler	13 Each	\$200.00	\$2,600.00	\$119.50	\$1,553.50	\$117.00	\$1,521.00	\$160.00	\$2,080.00
61	Erosion Control	1 LS	\$5,000.00	\$5,000.00	\$2,400.00	\$2,400.00	\$2,300.00	\$2,300.00	\$2,100.00	\$2,100.00
62	Retaining Wall, Modular Block	1 LS	\$25,000.00	\$25,000.00	\$9,500.00	\$9,500.00	\$9,275.00	\$9,275.00	\$12,125.00	\$12,125.00
63	Fence, Remove and Reinstall	397 LF	\$20.00	\$7,940.00	\$6.05	\$2,401.85	\$6.00	\$2,382.00	\$5.78	\$2,294.66
64	Chainlink Fence, Galvanized, 6' Height	106 LF	\$35.00	\$3,710.00	\$5.80	\$614.80	\$5.70	\$604.20	\$5.64	\$597.84
65	Steel Cable Guardrail Removal	6.9 Sta	\$200.00	\$1,380.00	\$210.00	\$1,449.00	\$206.00	\$1,421.40	\$205.00	\$1,414.50
66	Tree Protection	1 LS	\$2,500.00	\$2,500.00	\$710.00	\$710.00	\$3,600.00	\$3,600.00	\$1,500.00	\$1,500.00
67	Tree Protection Fence	500 LF	\$3.00	\$1,500.00	\$2.90	\$1,450.00	\$1.60	\$800.00	\$2.70	\$1,350.00
68	Landscape Rock	200 SY	\$20.00	\$4,000.00	\$25.75	\$5,150.00	\$49.00	\$9,800.00	\$16.00	\$3,200.00
				\$2,232,332.25	\$1,744,999.99	\$1,853,024.47	\$1,868,812.45			
TOTAL CONSTRUCTION COST										
PERCENT OF ENGINEER'S ESTIMATE										
					-21.53%	-16.99%	-16.28%			
					Low					

TABULATED BY: M. Becker APPROVED BY: John F. Macke
CHECKED BY: [Signature]

CONTRACTOR'S BID TABULATION
PROJECT: SE 6th Street Widening - Court Ave to the Des Moines River

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		STERNQUIST CONSTRUCTION INDIANOLA, IOWA		CONCRETE TECHNOLOGIES INC. URBANDALE, IOWA		JASPER CONSTRUCTION SERVICE NEWTON, IOWA	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	Mobilization	1 LS	\$131,385.00	\$131,385.00	\$50,000.00	\$50,000.00	\$126,000.00	\$126,000.00	\$146,000.00	\$146,000.00
2	Relocation of Mailboxes	1 LS	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,575.00	\$1,575.00	\$1,200.00	\$1,200.00
3	Project Sign (Large)	1 Each	\$1,000.00	\$1,000.00	\$1,050.00	\$1,050.00	\$875.00	\$875.00	\$1,000.00	\$1,000.00
4	Construction Survey	1 LS	\$15,000.00	\$15,000.00	\$8,000.00	\$8,000.00	\$12,600.00	\$12,600.00	\$9,100.00	\$9,100.00
5	Clearing and Grubbing	4.7 Acre	\$5,000.00	\$23,500.00	\$2,900.00	\$13,630.00	\$2,985.00	\$14,029.50	\$3,500.00	\$16,450.00
6	Topsoil, Strip, Salvage, and Respread	3770 CY	\$6.50	\$24,505.00	\$10.75	\$40,527.50	\$11.00	\$41,470.00	\$9.90	\$37,323.00
7	Class 10 Excavation	10704 CY	\$6.50	\$69,576.00	\$5.25	\$56,196.00	\$5.45	\$58,336.80	\$5.75	\$61,548.00
8	Geogrid	600 SY	\$2.50	\$1,500.00	\$2.05	\$1,230.00	\$2.10	\$1,260.00	\$2.90	\$1,740.00
9	Core Out Excavation	500 CY	\$8.00	\$4,000.00	\$7.95	\$3,975.00	\$8.25	\$4,125.00	\$5.75	\$2,875.00
10	Select Backfill	650 CY	\$8.00	\$5,200.00	\$7.50	\$4,875.00	\$7.75	\$5,037.50	\$8.00	\$5,200.00
11	Flyash	100 TON	\$46.00	\$4,600.00	\$73.50	\$7,350.00	\$75.75	\$7,575.00	\$50.00	\$5,000.00
12	Subgrade Preparation	16638 SY	\$2.50	\$41,595.00	\$1.25	\$20,797.50	\$1.30	\$21,629.40	\$1.50	\$24,957.00
13	Modified Subbase	16908 SY	\$8.00	\$135,264.00	\$6.70	\$113,283.60	\$7.00	\$118,356.00	\$6.75	\$114,129.00
14	Removal of Existing Storm Intakes	12 Each	\$500.00	\$6,000.00	\$470.00	\$5,640.00	\$485.00	\$5,820.00	\$500.00	\$6,000.00
15	Removal of Existing Storm Sewer < 36"	345 LF	\$20.00	\$6,900.00	\$16.25	\$5,606.25	\$16.75	\$5,778.75	\$15.00	\$5,175.00
16	Flowable Mortar	15 CY	\$120.00	\$1,800.00	\$209.00	\$3,135.00	\$215.00	\$3,225.00	\$80.00	\$1,200.00
17	Sewer, Class 3 RCP Storm, 15"	672 LF	\$40.00	\$26,880.00	\$38.50	\$25,872.00	\$40.00	\$26,880.00	\$45.00	\$30,240.00
18	Sewer, Class 3 RCP Storm, 18"	295 LF	\$50.00	\$14,750.00	\$38.00	\$11,210.00	\$39.50	\$11,652.50	\$48.00	\$14,160.00
19	Subdrain, Longitudinal, 6"	5235 LF	\$16.00	\$83,760.00	\$16.00	\$83,760.00	\$15.00	\$78,525.00	\$11.00	\$57,585.00
20	Subdrain Outlet	23 Each	\$250.00	\$5,750.00	\$350.00	\$8,050.00	\$385.00	\$8,855.00	\$350.00	\$8,050.00
21	Subdrain Cleanout, Type 1	7 Each	\$300.00	\$2,100.00	\$450.00	\$3,150.00	\$515.00	\$3,605.00	\$450.00	\$3,150.00
22	Adjustment of Water Valves, Major	1 Each	\$1,000.00	\$1,000.00	\$280.00	\$280.00	\$290.00	\$290.00	\$300.00	\$300.00
23	Lower Existing Water Service With New Copper	7 Each	\$1,200.00	\$8,400.00	\$930.00	\$6,510.00	\$960.00	\$6,720.00	\$1,500.00	\$10,500.00
24	Water Service, 1" Copper	285 LF	\$35.00	\$9,975.00	\$31.00	\$8,835.00	\$32.00	\$9,120.00	\$45.00	\$12,825.00
25	Abandon Water Service	8 Each	\$300.00	\$2,400.00	\$350.00	\$2,800.00	\$360.00	\$2,880.00	\$1,100.00	\$8,800.00
26	New Fire Hydrant Assembly	1 Each	\$4,000.00	\$4,000.00	\$4,700.00	\$4,700.00	\$4,845.00	\$4,845.00	\$9,000.00	\$9,000.00
27	Relocate Hydrant Assembly	2 Each	\$2,500.00	\$5,000.00	\$3,400.00	\$6,800.00	\$3,500.00	\$7,000.00	\$4,800.00	\$9,600.00
28	Remove Existing Hydrant Assembly	1 Each	\$4,000.00	\$4,000.00	\$5,200.00	\$5,200.00	\$5,360.00	\$5,360.00	\$2,800.00	\$2,800.00
29	Storm Sewer Manhole Adjustment, Major	2 Each	\$1,500.00	\$3,000.00	\$1,000.00	\$2,000.00	\$1,030.00	\$2,060.00	\$1,100.00	\$2,200.00
30	Sanitary Manhole Adjustment, Major	3 Each	\$1,500.00	\$4,500.00	\$1,400.00	\$4,200.00	\$1,445.00	\$4,335.00	\$1,800.00	\$5,400.00
31	Connection to Existing Structure, Storm	6 Each	\$500.00	\$3,000.00	\$1,200.00	\$7,200.00	\$1,235.00	\$7,410.00	\$600.00	\$3,600.00
32	Storm Manhole, Type 'M-A'	1 Each	\$3,500.00	\$3,500.00	\$2,400.00	\$2,400.00	\$2,475.00	\$2,475.00	\$2,800.00	\$2,800.00
33	Intake, Type 'M-A'	3 Each	\$3,000.00	\$9,000.00	\$3,300.00	\$9,900.00	\$3,400.00	\$10,200.00	\$2,500.00	\$7,500.00
34	Intake, Type 'M-C' Combination	4 Each	\$4,250.00	\$17,000.00	\$4,600.00	\$18,400.00	\$4,740.00	\$18,960.00	\$3,900.00	\$15,600.00
35	Intake, Type 'M-D'	3 Each	\$4,250.00	\$12,750.00	\$4,900.00	\$14,700.00	\$5,050.00	\$15,150.00	\$3,400.00	\$10,200.00
36	Intake, Type 'M-E' Combination	3 Each	\$5,500.00	\$16,500.00	\$6,600.00	\$19,800.00	\$6,800.00	\$20,400.00	\$5,400.00	\$16,200.00
37	Standard/Slipform PCC Pavement, Class C Mlx, 9"	15258 SY	\$43.00	\$656,094.00	\$40.00	\$610,320.00	\$42.35	\$646,176.30	\$42.00	\$640,836.00
38	Concrete Washouts	4 Each	\$300.00	\$1,200.00	\$500.00	\$2,000.00	\$1,300.00	\$5,200.00	\$275.00	\$1,100.00
39	Drill and Dowel Pavement	460 LF	\$8.00	\$3,680.00	\$4.50	\$2,070.00	\$5.70	\$2,622.00	\$4.00	\$1,840.00
40	9" Pavement Reinforcing Steel	235 SY	\$25.00	\$5,875.00	\$4.50	\$1,057.50	\$7.40	\$1,739.00	\$45.00	\$10,575.00
41	9" Pavement Reinforcing Steel, Railroad Approach	174 SY	\$30.00	\$5,220.00	\$4.50	\$783.00	\$20.75	\$3,610.50	\$50.00	\$8,700.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
42	Sidewalk, PCC, 4"	3180 SY	\$27.00	\$85,860.00	\$25.00	\$79,500.00	\$23.00	\$73,140.00	\$23.00	\$73,140.00
43	Detectable Warnings, Truncated Domes	328 SF	\$25.00	\$8,200.00	\$30.00	\$9,840.00	\$25.75	\$8,446.00	\$30.00	\$9,840.00
44	Driveway, PCC, 7"	1347 SY	\$36.00	\$48,492.00	\$29.00	\$39,063.00	\$32.25	\$43,440.75	\$29.00	\$39,063.00
45	Driveway, PCC, 6"	175 SY	\$36.00	\$6,300.00	\$27.00	\$4,725.00	\$28.35	\$4,961.25	\$27.00	\$4,725.00
46	Pavement, HMA, Full Depth	125 SY	\$60.00	\$7,500.00	\$66.00	\$10,750.00	\$61.75	\$7,718.75	\$70.40	\$8,820.00
47	Temporary Pavement, HMA, 6"	270 SY	\$45.00	\$12,150.00	\$45.00	\$12,150.00	\$41.75	\$11,272.50	\$46.00	\$12,420.00
48	Granular Surfacing, Class A Crushed Stone	200 Ton	\$25.00	\$5,000.00	\$22.00	\$4,400.00	\$22.50	\$4,500.00	\$30.00	\$6,000.00
49	Pavement Removal	9144 SY	\$10.00	\$91,440.00	\$5.00	\$45,720.00	\$2.85	\$26,060.40	\$6.50	\$59,436.00
50	Removal of Driveway and Sidewalk Pavement	4361 SY	\$5.00	\$21,805.00	\$2.40	\$10,466.40	\$2.50	\$10,902.50	\$6.00	\$26,166.00
51	Traffic Control	1 LS	\$12,500.00	\$12,500.00	\$25,000.00	\$25,000.00	\$13,275.00	\$13,275.00	\$15,000.00	\$15,000.00
52	Traffic Signalization	1 LS	\$360,000.00	\$360,000.00	\$275,000.00	\$275,000.00	\$234,000.00	\$234,000.00	\$226,985.00	\$226,985.00
53	Permanent Pavement Markings, Profiled Marking Tape	126.23 Sta	\$350.00	\$44,180.50	\$275.00	\$34,713.25	\$280.00	\$35,344.40	\$272.00	\$34,334.56
54	Permanent Pavement Markings, Intersection Marking Tape	30.57 Sta	\$375.00	\$11,463.75	\$320.00	\$9,782.40	\$325.00	\$9,935.25	\$312.00	\$9,537.84
55	Pre-cut Symbols and Legends, Intersection Marking Tape	61 Each	\$350.00	\$21,350.00	\$325.00	\$19,825.00	\$330.00	\$20,130.00	\$320.00	\$19,520.00
56	Sod	1293 SQ	\$38.00	\$49,134.00	\$48.00	\$62,064.00	\$40.00	\$51,720.00	\$33.00	\$42,669.00
57	Silt Fence	2606 LF	\$2.00	\$5,212.00	\$1.50	\$3,909.00	\$1.70	\$4,430.20	\$1.80	\$4,690.80
58	Silt Fence Removal	2606 LF	\$1.00	\$2,606.00	\$0.10	\$260.60	\$0.15	\$390.90	\$0.05	\$130.30
59	Inlet Protection Device, Furnish, Install, and Remove	19 Each	\$150.00	\$2,850.00	\$100.00	\$1,900.00	\$85.00	\$1,615.00	\$20.00	\$380.00
60	Type "I" Inlet Filter	13 Each	\$200.00	\$2,600.00	\$125.00	\$1,625.00	\$125.00	\$1,625.00	\$200.00	\$2,600.00
61	Erosion Control	1 LS	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00	\$5,250.00	\$5,250.00	\$5,000.00	\$5,000.00
62	Retaining Wall, Modular Block	1 LS	\$25,000.00	\$25,000.00	\$12,000.00	\$12,000.00	\$12,200.00	\$12,200.00	\$9,044.00	\$9,044.00
63	Fence, Remove and Reinstall	397 LF	\$20.00	\$7,940.00	\$12.00	\$4,764.00	\$12.25	\$4,863.25	\$6.22	\$2,469.34
64	Chainlink Fence, Galvanized, 6' Height	106 LF	\$35.00	\$3,710.00	\$25.00	\$2,650.00	\$23.50	\$2,491.00	\$16.44	\$1,742.64
65	Steel Cable Guardrail Removal	6.9 Sta	\$200.00	\$1,380.00	\$200.00	\$1,380.00	\$310.00	\$2,139.00	\$200.00	\$1,380.00
66	Tree Protection	1 LS	\$2,500.00	\$2,500.00	\$7,500.00	\$7,500.00	\$2,750.00	\$2,750.00	\$2,500.00	\$2,500.00
67	Tree Protection Fence	500 LF	\$3.00	\$1,500.00	\$1.50	\$750.00	\$3.75	\$1,875.00	\$2.65	\$1,325.00
68	Landscape Rock	200 SY	\$20.00	\$4,000.00	\$47.50	\$9,500.00	\$18.00	\$3,600.00	\$45.00	\$9,000.00
	TOTAL CONSTRUCTION COST			\$2,232,332.25		\$1,890,531.00		\$1,931,839.40		\$1,979,856.48
	PERCENT OF ENGINEER'S ESTIMATE					-15.31%		-13.46%		-11.31%