

DATE December 21, 2015

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON WALNUT STREET STREETScape - PHASE 1; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS JASPER CONSTRUCTION SERVICES, INC., STEVEN J. RHOADS, PRESIDENT, \$4,147,718.75

WHEREAS, on November 9, 2015, under Roll Call No. 15-1845, plans, specifications, form of contract documents, and Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following improvement:

Walnut Street Streetscape - Phase 1, 04-2014-005

The improvement includes construction of sidewalks, site furnishings, plantings, Portland Cement Concrete curb and pavement, traffic signals, and Hot Mix Asphalt (HMA) pavement overlay, together with the necessary removals, earthwork, clearing and grubbing, erosion control, storm sewers, traffic control; all in accordance with the contract documents, including Plan File Nos. 558-059/213 at Walnut Street from 5th Street to 8th Street, 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 Engineer's estimate of construction cost for said improvement be closed; and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved as the plans, specifications, form of contract documents, and 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:

- Jasper Construction Services, Inc.      Newton, IA
- Rochon Corporation of Iowa, Inc.      Urbandale, IA
- The Hansen Company, Inc.      Johnston, IA
- Elder Corporation      Des Moines, IA
- Concrete Technologies, Inc.      Grimes, IA

which were received and 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 24, 2015. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

★ **Roll Call Number**

Agenda Item Number

60

DATE December 21, 2015

BE IT FURTHER RESOLVED: That the Des Moines City Engineer, as the Engineer, has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Jasper Construction Services, Inc., Steven J. Rhoads, President, 928 N 19th Avenue East, Newton, IA, 50208 in the amount of \$4,147,718.75, 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 Engineer is hereby directed to secure execution, subject to resolution of written commitment of private funding, by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the 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.

BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary road closures for the Project.

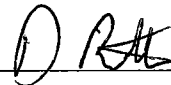
(City Council Communication Number 15-665 attached.)


Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

Kathleen Vanderpool  
Deputy City Attorney

  
Daniel E. Ritter  
Des Moines Finance Director

 Funding Source: 2015-2016 CIP, Page Street - 49, Walnut Street Streetscape, ST252, Being: \$2,051,359.37 in partial tentative private contributions, \$2,051,359.38 in Tax Increment Bonds, and the remaining \$45,000 Des Moines Water Works

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GATTO				
GRAY				
HENSLEY				
MAHAFFEY				
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

TABULATED BY: M. Hutchens *MH* APPROVED BY \_\_\_\_\_  
CHECKED BY: *M. Hutchens*

**CONTRACTOR'S BID TABULATION**  
PROJECT: WALNUT STREET STREETScape - PHASE 1

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	Removal of Structure, Intake	4 EACH	\$840.00	\$3,360.00	\$1,500.00	\$6,000.00	\$718.75	\$2,875.00	\$1,000.00	\$4,000.00
2	Clearing and Grubbing	1 LS	\$39,300.00	\$39,300.00	\$38,000.00	\$38,000.00	\$34,500.00	\$34,500.00	\$150,000.00	\$150,000.00
3	Removal of Type A Concrete Sidewalk	358 SY	\$28.00	\$10,024.00	\$30.00	\$10,740.00	\$29.90	\$10,704.20	\$25.00	\$8,950.00
4	Removal of Curb (Save Footing)	1055 LF	\$11.00	\$11,605.00	\$15.00	\$15,825.00	\$16.10	\$16,985.50	\$10.00	\$10,550.00
5	Removal of Bench	6 EACH	\$240.00	\$1,440.00	\$750.00	\$4,500.00	\$322.00	\$1,932.00	\$300.00	\$1,800.00
6	Removal of Newspaper Enclosure	6 EACH	\$420.00	\$2,520.00	\$1,000.00	\$6,000.00	\$345.00	\$2,070.00	\$500.00	\$3,000.00
7	Removal of Miscellaneous Electrical Items	1 LS	\$28,200.00	\$28,200.00	\$42,000.00	\$42,000.00	\$39,100.00	\$39,100.00	\$30,000.00	\$30,000.00
8	Removal of Street Pavers Concrete Sub-Base	1279 SY	\$42.00	\$53,718.00	\$40.00	\$51,160.00	\$40.25	\$51,479.75	\$35.00	\$44,765.00
9	Removal of Curb and Footing	1374 LF	\$30.00	\$41,220.00	\$20.00	\$27,480.00	\$30.48	\$41,879.52	\$20.00	\$27,480.00
10	Removal of Bus Shelter	3 EACH	\$9,000.00	\$27,000.00	\$1,000.00	\$3,000.00	\$8,050.00	\$24,150.00	\$7,500.00	\$22,500.00
11	Removal of Precast Planter	12 EACH	\$3,600.00	\$43,200.00	\$1,500.00	\$18,000.00	\$3,162.50	\$37,950.00	\$3,250.00	\$39,000.00
12	Removal of Pavers and Setting Bed	8309 SY	\$42.00	\$348,978.00	\$35.00	\$290,815.00	\$37.95	\$315,326.55	\$35.00	\$290,815.00
13	Removal of Sidewalk Pavers Concrete Sub-Base	1093 SY	\$24.00	\$26,232.00	\$30.00	\$32,790.00	\$21.85	\$23,882.05	\$22.00	\$24,046.00
14	Traffic Control	1 LS	\$27,000.00	\$27,000.00	\$35,000.00	\$35,000.00	\$20,601.00	\$20,601.00	\$150,000.00	\$150,000.00
15	Flaggers / (Uniform Officer)	270 DAYS	\$384.00	\$103,680.00	\$425.00	\$114,750.00	\$354.25	\$95,647.50	\$350.00	\$94,500.00
16	Mobilization	1 LS	\$220,729.62	\$220,729.62	\$314,000.00	\$314,000.00	\$138,000.00	\$138,000.00	\$450,165.00	\$450,165.00
17	Storm Sewer, Trenched, RCP, 12" Dia.	51 LF	\$90.00	\$4,590.00	\$150.00	\$7,650.00	\$80.50	\$4,105.50	\$160.00	\$8,160.00
18	Removal of Storm Sewer, RCP, 12" Dia.	4 LF	\$120.00	\$480.00	\$100.00	\$400.00	\$184.00	\$736.00	\$40.00	\$160.00
19	Subdrain, Perforated A-2000, 6"	609 LF	\$33.50	\$20,401.50	\$33.50	\$20,401.50	\$35.65	\$21,710.85	\$55.00	\$33,495.00
20	Subdrain, Non Perforated A-2000, 6"	358 EACH	\$33.50	\$11,993.00	\$35.00	\$12,530.00	\$35.65	\$12,762.70	\$55.00	\$19,690.00
21	Subdrain Cleanout, Type 'A-2', SUDAS Figure 4040.232	7 EACH	\$600.00	\$4,200.00	\$1,000.00	\$7,000.00	\$460.00	\$3,220.00	\$700.00	\$4,900.00
22	Subdrain Cleanout, Type 'B', SUDAS Figure 4040.232	3 EACH	\$600.00	\$1,800.00	\$2,000.00	\$6,000.00	\$460.00	\$1,380.00	\$1,500.00	\$4,500.00
23	Subdrain Outlets and Connections, SUDAS Figure 4040.233, 6"	8 EACH	\$600.00	\$4,800.00	\$750.00	\$6,000.00	\$805.00	\$6,440.00	\$1,000.00	\$8,000.00
24	Flowable Mortar	30 CY	\$192.00	\$5,760.00	\$200.00	\$6,000.00	\$225.40	\$6,762.00	\$150.00	\$4,500.00
25	Fire Hydrant Assembly Relocation	3 EACH	\$9,000.00	\$27,000.00	\$15,000.00	\$45,000.00	\$12,075.00	\$36,225.00	\$11,500.00	\$34,500.00
26	Fire Hydrant Assembly Removal	1 EACH	\$8,000.00	\$8,000.00	\$5,000.00	\$5,000.00	\$2,530.00	\$2,530.00	\$9,500.00	\$9,500.00
27	Water Service Stop Box, New Housing	22 EACH	\$480.00	\$10,560.00	\$1,000.00	\$22,000.00	\$1,610.00	\$35,420.00	\$1,100.00	\$24,200.00
28	Water Service Stop Box, Relocate	9 EACH	\$1,200.00	\$10,800.00	\$1,500.00	\$13,500.00	\$1,552.50	\$13,972.50	\$2,800.00	\$25,200.00
29	Manhole Type SW-401 SUDAS Figure 4040.233	7 EACH	\$4,020.00	\$28,140.00	\$6,000.00	\$42,000.00	\$5,290.00	\$37,030.00	\$3,900.00	\$27,300.00
30	Intake Type SW-505, SUDAS Figure 6010.505	1 EACH	\$4,800.00	\$4,800.00	\$6,000.00	\$6,000.00	\$3,795.00	\$3,795.00	\$6,000.00	\$6,000.00
31	Intake Type SW-511, SUDAS Figure 6010.511	3 EACH	\$5,040.00	\$15,120.00	\$8,000.00	\$24,000.00	\$4,370.00	\$13,110.00	\$5,800.00	\$17,400.00
32	Casting Adjustment, Minor	42 EACH	\$600.00	\$25,200.00	\$600.00	\$25,200.00	\$1,207.50	\$50,715.00	\$2,800.00	\$117,600.00
33	Intake Adjustment, Minor	6 EACH	\$600.00	\$3,600.00	\$1,000.00	\$6,000.00	\$862.50	\$5,175.00	\$2,000.00	\$12,000.00
34	Connection to Existing Manhole	2 EACH	\$1,800.00	\$3,600.00	\$1,000.00	\$2,000.00	\$1,380.00	\$2,760.00	\$4,000.00	\$8,000.00
35	Temporary Traffic Signalization	1 LS	\$34,500.00	\$34,500.00	\$40,000.00	\$40,000.00	\$35,425.00	\$35,425.00	\$75,000.00	\$75,000.00
36	Sidewalk, PCC, 5"	6600 SY	\$70.00	\$462,000.00	\$75.00	\$495,000.00	\$86.11	\$568,326.00	\$90.00	\$594,000.00
37	Pavement, PCC 6" Sub base	359 SY	\$90.00	\$32,310.00	\$70.00	\$25,130.00	\$89.38	\$32,087.42	\$90.00	\$32,310.00
38	Pavement, PCC 6" Finished Class 'A' Walk	901 SY	\$102.00	\$91,902.00	\$80.00	\$72,080.00	\$106.82	\$96,244.82	\$95.00	\$85,595.00
39	Pavement, PCC 8" Sub base	1582 SY	\$135.00	\$213,570.00	\$90.00	\$142,380.00	\$143.88	\$227,618.16	\$95.00	\$150,290.00
40	Precast Unit Pavers	3444 SY	\$175.00	\$602,700.00	\$170.00	\$585,480.00	\$155.00	\$533,820.00	\$145.00	\$499,380.00

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ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
41	HMA (3M ESAL) Surface, 1/2-in, PG 64-22	1400 TON	\$125.00	\$175,000.00	\$130.00	\$182,000.00	\$125.35	\$175,490.00	\$110.00	\$154,000.00
42	PCC Curb	2030 LF	\$48.00	\$97,440.00	\$55.00	\$111,650.00	\$43.60	\$88,508.00	\$50.00	\$101,500.00
43	PCC Thickened Edge at Planter	750 LF	\$33.60	\$25,200.00	\$15.00	\$11,250.00	\$32.70	\$24,525.00	\$50.00	\$37,500.00
44	Detectable Warnings, Cast Iron	708 SF	\$50.40	\$35,683.20	\$70.00	\$49,560.00	\$41.42	\$29,325.36	\$35.00	\$24,780.00
45	Temporary Pavement - PCC	20 SY	\$90.00	\$1,800.00	\$55.00	\$1,100.00	\$163.50	\$3,270.00	\$250.00	\$5,000.00
46	Temporary Pavement - Hot Mix Asphalt	150 SY	\$750.00	\$112,500.00	\$150.00	\$22,500.00	\$708.50	\$106,275.00	\$750.00	\$112,500.00
47	Milling	408 SY	\$6.00	\$2,448.00	\$35.00	\$14,280.00	\$23.00	\$9,384.00	\$30.00	\$12,240.00
48	Permanent Tape Mark, Preform Polymer Marking Material	3000 LF	\$3.60	\$10,800.00	\$11.50	\$34,500.00	\$10.30	\$30,900.00	\$10.00	\$30,000.00
49	Excavation, Class 13	432 CY	\$42.00	\$18,144.00	\$40.00	\$17,280.00	\$50.60	\$21,859.20	\$30.00	\$12,960.00
50	Excavation of Existing Soil at Planting Pits	495 CY	\$48.00	\$23,760.00	\$50.00	\$24,750.00	\$69.00	\$34,155.00	\$25.00	\$12,375.00
51	Subgrade Preparation	3076 CY	\$24.00	\$73,824.00	\$20.00	\$61,520.00	\$24.15	\$74,285.40	\$15.00	\$46,140.00
52	Replacement of Unsuitable Backfill	300 CY	\$42.00	\$12,600.00	\$40.00	\$12,000.00	\$47.15	\$14,145.00	\$40.00	\$12,000.00
53	Class A Roadstone	636 TON	\$78.00	\$49,608.00	\$60.00	\$38,160.00	\$56.35	\$35,838.60	\$50.00	\$31,800.00
54	Filter Socks, 8-inch	190 LF	\$12.00	\$2,280.00	\$8.00	\$1,520.00	\$2.73	\$518.70	\$3.00	\$570.00
55	Filter Socks, Removal	190 LF	\$3.00	\$570.00	\$2.00	\$380.00	\$1.50	\$285.00	\$1.50	\$285.00
56	Inlet Protection Device, Maintenance	19 EACH	\$170.00	\$3,230.00	\$200.00	\$3,800.00	\$115.00	\$2,185.00	\$250.00	\$4,750.00
57	Temporary Fence, Orange Plastic, 4' HGT.	2160 LF	\$6.00	\$12,960.00	\$8.00	\$17,280.00	\$5.75	\$12,420.00	\$3.50	\$7,560.00
58	Topsoil, Compost-amended	550 CY	\$132.00	\$72,600.00	\$70.00	\$38,500.00	\$103.50	\$56,925.00	\$110.00	\$60,500.00
59	Plants, Bulb, Furnished and Installed	1240 EACH	\$6.00	\$7,440.00	\$10.00	\$12,400.00	\$2.95	\$3,658.00	\$3.00	\$3,720.00
60	Plants, Ground Cover, Furnished and Installed	1455 EACH	\$16.00	\$23,280.00	\$15.50	\$22,552.50	\$11.74	\$17,081.70	\$12.00	\$17,460.00
61	Plants, Grasses, #1, Furnished and Installed	206 EACH	\$30.00	\$6,180.00	\$20.00	\$4,120.00	\$12.57	\$2,589.42	\$14.00	\$2,884.00
62	Plants, Perennial Plant, Furnished and Installed	388 EACH	\$18.00	\$6,984.00	\$23.00	\$8,924.00	\$16.49	\$6,398.12	\$17.00	\$6,596.00
63	Plants, Shrubs, #3, Furnished and Installed	70 EACH	\$60.00	\$4,200.00	\$115.00	\$8,050.00	\$82.51	\$5,775.70	\$80.00	\$5,600.00
64	Plants, Shrubs, #5, Furnished and Installed	98 EACH	\$90.00	\$8,820.00	\$85.00	\$8,330.00	\$82.51	\$8,085.98	\$80.00	\$7,840.00
65	Plants, Trees, 2.5" CAL, Furnished and Installed	27 EACH	\$540.00	\$14,580.00	\$550.00	\$14,850.00	\$471.70	\$12,735.90	\$450.00	\$12,150.00
66	Plants, Trees, 3" CAL, Furnished and Installed	19 EACH	\$780.00	\$14,820.00	\$1,000.00	\$19,000.00	\$735.75	\$13,979.25	\$700.00	\$13,300.00
67	Mulch	28 CY	\$180.00	\$5,040.00	\$100.00	\$2,800.00	\$74.17	\$2,076.76	\$70.00	\$1,960.00
68	Irrigation System	1 LS	\$50,500.00	\$50,500.00	\$50,000.00	\$50,000.00	\$59,800.00	\$59,800.00	\$47,000.00	\$47,000.00
69	Bike Rack	5 EACH	\$1,020.00	\$5,100.00	\$1,500.00	\$7,500.00	\$1,265.00	\$6,325.00	\$1,500.00	\$7,500.00
70	Ornamental Metal Railing	90 EACH	\$980.00	\$88,200.00	\$1,000.00	\$90,000.00	\$805.00	\$72,450.00	\$465.00	\$41,850.00
71	Ornamental Metal Railing (Furnish Only)	6 EACH	\$540.00	\$3,240.00	\$500.00	\$3,000.00	\$345.00	\$2,070.00	\$435.00	\$2,610.00
72	Bench	15 EACH	\$3,800.00	\$57,000.00	\$3,000.00	\$45,000.00	\$4,604.60	\$69,069.00	\$4,000.00	\$60,000.00
73	1" PVC Conduit	2935 LF	\$3.12	\$9,157.20	\$7.00	\$20,545.00	\$6.38	\$18,725.30	\$6.00	\$17,610.00
74	2" PVC Conduit	877 LF	\$5.76	\$5,051.52	\$8.75	\$7,673.75	\$7.96	\$6,980.92	\$8.00	\$7,016.00
75	2 -1/2" PVC Conduit	495 LF	\$6.00	\$2,970.00	\$9.00	\$4,455.00	\$8.56	\$4,237.20	\$8.00	\$3,960.00
76	3" PVC Conduit	1050 LF	\$7.80	\$8,190.00	\$11.50	\$12,075.00	\$10.36	\$10,878.00	\$10.00	\$10,500.00
77	#12 CU Conductors	192 LF	\$1.20	\$230.40	\$1.00	\$192.00	\$0.82	\$157.44	\$1.00	\$192.00
78	#6 CU Conductors	3590 LF	\$1.50	\$5,385.00	\$1.50	\$5,385.00	\$1.24	\$4,451.60	\$1.25	\$4,487.50
79	#4 CU Conductors	5699 LF	\$3.00	\$17,097.00	\$2.00	\$11,398.00	\$1.73	\$9,859.27	\$2.00	\$11,398.00
80	#2/0 CU Conductors	1960 LF	\$2.40	\$4,704.00	\$5.25	\$10,290.00	\$4.77	\$9,349.20	\$4.50	\$8,820.00
81	#4/0 CU Conductors	1500 LF	\$4.80	\$7,200.00	\$8.00	\$12,000.00	\$7.30	\$10,950.00	\$7.00	\$10,500.00
82	Receptacle Post	22 EACH	\$600.00	\$13,200.00	\$1,350.00	\$29,700.00	\$1,309.09	\$28,799.98	\$1,200.00	\$26,400.00
83	Power Bollard	1 EACH	\$2,400.00	\$2,400.00	\$3,250.00	\$3,250.00	\$3,035.65	\$3,035.65	\$3,600.00	\$3,600.00
84	Media Bollard	2 EACH	\$9,600.00	\$19,200.00	\$5,800.00	\$11,600.00	\$5,226.55	\$10,453.10	\$5,800.00	\$11,600.00
85	Media Hydrant Conduit	1138 LF	\$3.12	\$3,550.56	\$11.50	\$13,087.00	\$10.30	\$11,721.40	\$10.00	\$11,380.00
86	Pull Box - Sidewalk	6 EACH	\$2,400.00	\$14,400.00	\$1,750.00	\$10,500.00	\$1,585.95	\$9,515.70	\$1,500.00	\$9,000.00
87	Pull Box - Street	11 EACH	\$2,400.00	\$26,400.00	\$1,100.00	\$12,100.00	\$981.00	\$10,791.00	\$900.00	\$9,900.00
88	MidAmerican Fixtures Footing	6 EACH	\$3,000.00	\$18,000.00	\$1,750.00	\$10,500.00	\$1,725.00	\$10,350.00	\$9,000.00	\$54,000.00
89	Meter Cabinet (Main Power Connection)	1 EACH	\$6,000.00	\$6,000.00	\$7,000.00	\$7,000.00	\$6,171.58	\$6,171.58	\$6,000.00	\$6,000.00
90	Traffic Signalization	1 LS	\$377,000.00	\$377,000.00	\$400,000.00	\$400,000.00	\$376,050.00	\$376,050.00	\$345,000.00	\$345,000.00
91	Safety Closure	3 EACH	\$6,000.00	\$18,000.00	\$200.00	\$600.00	\$436.00	\$1,308.00	\$150.00	\$450.00
TOTAL CONSTRUCTION COST				\$4,200,000.00	\$4,147,718.75		\$4,154,628.45		\$4,601,994.50	
PERCENT OF ENGINEER'S ESTIMATE							-1.24%		-1.08%	
						Low			+9.57%	

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TABULATED BY: M. Hutchens *MA* APPROVED BY: \_\_\_\_\_  
CHECKED BY: *[Signature]*

**CONTRACTOR'S BID TABULATION**  
PROJECT: WALNUT STREET STREETScape - PHASE 1

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT	CONTRACTOR CITY		CONTRACTOR CITY		CONTRACTOR CITY	
						BID PRICE	AMOUNT	BID PRICE	AMOUNT	BID PRICE	AMOUNT
1	Removal of Structure, Intake	4	EACH	\$840.00	\$3,360.00	\$940.00	\$3,760.00	\$1,085.00	\$4,340.00		
2	Clearing and Grubbing	1	LS	\$39,300.00	\$39,300.00	\$43,000.00	\$43,000.00	\$50,000.00	\$50,000.00		
3	Removal of Type A Concrete Sidewalk	358	SY	\$28.00	\$10,024.00	\$64.50	\$23,091.00	\$75.00	\$26,850.00		
4	Removal of Curb (Save Footing)	1055	LF	\$11.00	\$11,605.00	\$20.75	\$21,891.25	\$24.00	\$25,320.00		
5	Removal of Bench	6	EACH	\$240.00	\$1,440.00	\$410.00	\$2,460.00	\$475.00	\$2,850.00		
6	Removal of Newspaper Enclosure	6	EACH	\$420.00	\$2,520.00	\$770.00	\$4,620.00	\$885.00	\$5,310.00		
7	Removal of Miscellaneous Electrical Items	1	LS	\$28,200.00	\$28,200.00	\$29,000.00	\$29,000.00	\$31,400.00	\$31,400.00		
8	Removal of Street Pavers Concrete Sub-Base	1279	SY	\$42.00	\$53,718.00	\$53.00	\$67,787.00	\$61.00	\$78,019.00		
9	Removal of Curb and Footing	1374	LF	\$30.00	\$41,220.00	\$35.00	\$48,090.00	\$41.00	\$56,334.00		
10	Removal of Bus Shelter	3	EACH	\$9,000.00	\$27,000.00	\$5,700.00	\$17,100.00	\$6,555.00	\$19,665.00		
11	Removal of Precast Planter	12	EACH	\$3,600.00	\$43,200.00	\$1,500.00	\$18,000.00	\$1,725.00	\$20,700.00		
12	Removal of Pavers and Setting Bed	8309	SY	\$42.00	\$348,978.00	\$46.00	\$382,214.00	\$53.00	\$440,377.00		
13	Removal of Sidewalk Pavers Concrete Sub-Base	1093	SY	\$24.00	\$26,232.00	\$32.00	\$34,976.00	\$37.00	\$40,441.00		
14	Traffic Control	1	LS	\$27,000.00	\$27,000.00	\$71,000.00	\$71,000.00	\$21,750.00	\$21,750.00		
15	Flaggers / (Uniform Officer)	270	DAYS	\$384.00	\$103,680.00	\$425.00	\$114,750.00	\$575.00	\$155,250.00		
16	Mobilization	1	LS	\$220,729.62	\$220,729.62	\$554,182.25	\$554,182.25	\$725,000.00	\$725,000.00		
17	Storm Sewer, Trenched, RCP, 12" Dia.	51	LF	\$90.00	\$4,590.00	\$164.00	\$8,364.00	\$190.00	\$9,690.00		
18	Removal of Storm Sewer, RCP, 12" Dia.	4	LF	\$120.00	\$480.00	\$165.00	\$660.00	\$190.00	\$760.00		
19	Subdrain, Perforated A-2000, 6"	609	LF	\$33.50	\$20,401.50	\$37.50	\$22,837.50	\$43.50	\$26,491.50		
20	Subdrain, Non Perforated A-2000, 6"	358	EACH	\$33.50	\$11,993.00	\$38.50	\$13,783.00	\$44.50	\$15,931.00		
21	Subdrain Cleanout, Type 'A-2', SUDAS Figure 4040.232	7	EACH	\$600.00	\$4,200.00	\$660.00	\$4,620.00	\$760.00	\$5,320.00		
22	Subdrain Cleanout, Type 'B', SUDAS Figure 4040.232	3	EACH	\$600.00	\$1,800.00	\$1,500.00	\$4,500.00	\$1,725.00	\$5,175.00		
23	Subdrain Outlets and Connections, SUDAS Figure 4040.233, 6"	8	EACH	\$600.00	\$4,800.00	\$470.00	\$3,760.00	\$540.00	\$4,320.00		
24	Flowable Mortar	30	CY	\$192.00	\$5,760.00	\$238.50	\$7,155.00	\$275.00	\$8,250.00		
25	Fire Hydrant Assembly Relocation	3	EACH	\$9,000.00	\$27,000.00	\$8,000.00	\$24,000.00	\$9,200.00	\$27,600.00		
26	Fire Hydrant Assembly Removal	1	EACH	\$8,000.00	\$8,000.00	\$11,000.00	\$11,000.00	\$12,650.00	\$12,650.00		
27	Water Service Stop Box, New Housing	22	EACH	\$480.00	\$10,560.00	\$590.00	\$12,980.00	\$680.00	\$14,960.00		
28	Water Service Stop Box, Relocate	9	EACH	\$1,200.00	\$10,800.00	\$1,300.00	\$11,700.00	\$1,495.00	\$13,455.00		
29	Manhole Type SW-401 SUDAS Figure 4040.233	7	EACH	\$4,020.00	\$28,140.00	\$3,900.00	\$27,300.00	\$4,485.00	\$31,395.00		
30	Intake Type SW-505, SUDAS Figure 6010.505	1	EACH	\$4,800.00	\$4,800.00	\$6,400.00	\$6,400.00	\$7,360.00	\$7,360.00		
31	Intake Type SW-511, SUDAS Figure 6010.511	3	EACH	\$5,040.00	\$15,120.00	\$4,300.00	\$12,900.00	\$4,950.00	\$14,850.00		
32	Casting Adjustment, Minor	42	EACH	\$600.00	\$25,200.00	\$1,000.00	\$42,000.00	\$1,150.00	\$48,300.00		
33	Intake Adjustment, Minor	6	EACH	\$600.00	\$3,600.00	\$1,000.00	\$6,000.00	\$1,150.00	\$6,900.00		
34	Connection to Existing Manhole	2	EACH	\$1,800.00	\$3,600.00	\$1,700.00	\$3,400.00	\$1,950.00	\$3,900.00		
35	Temporary Traffic Signalization	1	LS	\$34,500.00	\$34,500.00	\$34,000.00	\$34,000.00	\$37,400.00	\$37,400.00		
36	Sidewalk, PCC, 5"	6600	SY	\$70.00	\$462,000.00	\$115.50	\$762,300.00	\$106.00	\$699,600.00		
37	Pavement, PCC 6" Sub base	359	SY	\$90.00	\$32,310.00	\$149.00	\$53,491.00	\$138.50	\$49,721.50		
38	Pavement, PCC 6" Finished Class 'A' Walk	901	SY	\$102.00	\$91,902.00	\$134.00	\$120,734.00	\$124.75	\$112,399.75		
39	Pavement, PCC 8" Sub base	1582	SY	\$135.00	\$213,570.00	\$170.50	\$269,731.00	\$159.75	\$252,724.50		
40	Precast Unit Pavers	3444	SY	\$175.00	\$602,700.00	\$173.50	\$597,534.00	\$175.00	\$602,700.00		

*CP*

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
41	HMA (3M ESAL) Surface, 1/2-in, PG 64-22	1400 TON	\$125.00	\$175,000.00	\$115.00	\$161,000.00	\$130.00	\$182,000.00			
42	PCC Curb	2030 LF	\$48.00	\$97,440.00	\$85.50	\$173,565.00	\$77.75	\$157,832.50			
43	PCC Thickened Edge at Planter	750 LF	\$33.60	\$25,200.00	\$73.00	\$54,750.00	\$61.25	\$45,937.50			
44	Detectable Warnings, Cast Iron	708 SF	\$50.40	\$35,683.20	\$89.50	\$63,366.00	\$85.25	\$60,357.00			
45	Temporary Pavement - PCC	20 SY	\$90.00	\$1,800.00	\$480.00	\$9,600.00	\$460.00	\$9,200.00			
46	Temporary Pavement - Hot Mix Asphalt	150 SY	\$750.00	\$112,500.00	\$790.00	\$118,500.00	\$875.00	\$131,250.00			
47	Milling	408 SY	\$6.00	\$2,448.00	\$30.00	\$12,240.00	\$33.00	\$13,464.00			
48	Permanent Tape Mark, Preform Polymer Marking Material	3000 LF	\$3.60	\$10,800.00	\$10.20	\$30,600.00	\$11.00	\$33,000.00			
49	Excavation, Class 13	432 CY	\$42.00	\$18,144.00	\$100.00	\$43,200.00	\$115.00	\$49,680.00			
50	Excavation of Existing Soil at Planting Pits	495 CY	\$48.00	\$23,760.00	\$36.50	\$18,067.50	\$42.00	\$20,790.00			
51	Subgrade Preparation	3076 CY	\$24.00	\$73,824.00	\$4.30	\$13,226.80	\$5.00	\$15,380.00			
52	Replacement of Unsuitable Backfill	300 CY	\$42.00	\$12,600.00	\$101.00	\$30,300.00	\$120.00	\$36,000.00			
53	Class A Roadstone	636 TON	\$78.00	\$49,608.00	\$40.50	\$25,758.00	\$47.00	\$29,892.00			
54	Filter Socks, 8-inch	190 LF	\$12.00	\$2,280.00	\$6.50	\$1,235.00	\$4.75	\$902.50			
55	Filter Socks, Removal	190 LF	\$3.00	\$570.00	\$3.00	\$570.00	\$2.35	\$446.50			
56	Inlet Protection Device, Maintenance	19 EACH	\$170.00	\$3,230.00	\$530.00	\$10,070.00	\$215.00	\$4,085.00			
57	Temporary Fence, Orange Plastic, 4' HGT.	2160 LF	\$6.00	\$12,960.00	\$7.90	\$17,064.00	\$6.00	\$12,960.00			
58	Topsoil, Compost-amended	550 CY	\$132.00	\$72,600.00	\$131.50	\$72,325.00	\$144.00	\$79,200.00			
59	Plants, Bulb, Furnished and Installed	1240 EACH	\$6.00	\$7,440.00	\$4.25	\$5,270.00	\$4.50	\$5,580.00			
60	Plants, Ground Cover, Furnished and Installed	1455 EACH	\$16.00	\$23,280.00	\$11.50	\$16,732.50	\$9.00	\$13,095.00			
61	Plants, Grasses, #1, Furnished and Installed	206 EACH	\$30.00	\$6,180.00	\$16.75	\$3,450.50	\$18.50	\$3,811.00			
62	Plants, Perennial Plant, Furnished and Installed	388 EACH	\$18.00	\$6,984.00	\$17.00	\$6,596.00	\$19.25	\$7,469.00			
63	Plants, Shrubs, #3, Furnished and Installed	70 EACH	\$60.00	\$4,200.00	\$52.00	\$3,640.00	\$135.00	\$9,450.00			
64	Plants, Shrubs, #5, Furnished and Installed	98 EACH	\$90.00	\$8,820.00	\$59.00	\$5,782.00	\$58.00	\$5,684.00			
65	Plants, Trees, 2.5" CAL, Furnished and Installed	27 EACH	\$540.00	\$14,580.00	\$500.00	\$13,500.00	\$540.00	\$14,580.00			
66	Plants, Trees, 3" CAL, Furnished and Installed	19 EACH	\$780.00	\$14,820.00	\$580.00	\$11,020.00	\$710.00	\$13,490.00			
67	Mulch	28 CY	\$180.00	\$5,040.00	\$131.50	\$3,682.00	\$70.00	\$1,960.00			
68	Irrigation System	1 LS	\$50,500.00	\$50,500.00	\$41,500.00	\$41,500.00	\$44,000.00	\$44,000.00			
69	Bike Rack	5 EACH	\$1,020.00	\$5,100.00	\$1,200.00	\$6,000.00	\$1,100.00	\$5,500.00			
70	Ornamental Metal Railing	90 EACH	\$980.00	\$88,200.00	\$770.00	\$69,300.00	\$845.00	\$76,050.00			
71	Ornamental Metal Railing (Furnish Only)	6 EACH	\$540.00	\$3,240.00	\$470.00	\$2,820.00	\$805.00	\$4,830.00			
72	Bench	15 EACH	\$3,800.00	\$57,000.00	\$3,800.00	\$57,000.00	\$3,350.00	\$50,250.00			
73	1" PVC Conduit	2935 LF	\$3.12	\$9,157.20	\$6.15	\$18,050.25	\$7.00	\$20,545.00			
74	2" PVC Conduit	877 LF	\$5.76	\$5,051.52	\$7.65	\$6,709.05	\$9.00	\$7,893.00			
75	2 -1/2" PVC Conduit	495 LF	\$6.00	\$2,970.00	\$8.25	\$4,083.75	\$9.00	\$4,455.00			
76	3" PVC Conduit	1050 LF	\$7.80	\$8,190.00	\$10.00	\$10,500.00	\$11.00	\$11,550.00			
77	#12 CU Conductors	192 LF	\$1.20	\$230.40	\$0.80	\$153.60	\$1.00	\$192.00			
78	#6 CU Conductors	3590 LF	\$1.50	\$5,385.00	\$1.25	\$4,487.50	\$1.30	\$4,667.00			
79	#4 CU Conductors	5699 LF	\$3.00	\$17,097.00	\$1.65	\$9,403.35	\$1.85	\$10,543.15			
80	#2/0 CU Conductors	1960 LF	\$2.40	\$4,704.00	\$4.50	\$8,820.00	\$5.05	\$9,898.00			
81	#4/0 CU Conductors	1500 LF	\$4.80	\$7,200.00	\$7.05	\$10,575.00	\$7.75	\$11,625.00			
82	Receptacle Post	22 EACH	\$600.00	\$13,200.00	\$1,300.00	\$28,600.00	\$1,400.00	\$30,800.00			
83	Power Bollard	1 EACH	\$2,400.00	\$2,400.00	\$2,900.00	\$2,900.00	\$3,200.00	\$3,200.00			
84	Media Bollard	2 EACH	\$9,600.00	\$19,200.00	\$5,000.00	\$10,000.00	\$5,515.00	\$11,030.00			
85	Media Hydrant Conduit	1138 LF	\$3.12	\$3,550.56	\$9.90	\$11,266.20	\$11.00	\$12,518.00			
86	Pull Box - Sidewalk	6 EACH	\$2,400.00	\$14,400.00	\$1,500.00	\$9,000.00	\$1,675.00	\$10,050.00			
87	Pull Box - Street	11 EACH	\$2,400.00	\$26,400.00	\$950.00	\$10,450.00	\$1,040.00	\$11,440.00			
88	MidAmerican Fixtures Footing	6 EACH	\$3,000.00	\$18,000.00	\$1,500.00	\$9,000.00	\$1,700.00	\$10,200.00			
89	Meter Cabinet (Main Power Connection)	1 EACH	\$6,000.00	\$6,000.00	\$5,900.00	\$5,900.00	\$6,525.00	\$6,525.00			
90	Traffic Signalization	1 LS	\$377,000.00	\$377,000.00	\$379,000.00	\$379,000.00	\$400,000.00	\$400,000.00			
91	Safety Closure	3 EACH	\$6,000.00	\$18,000.00	\$4,100.00	\$12,300.00	\$175.00	\$525.00			
TOTAL CONSTRUCTION COST					\$4,200,000.00		\$5,150,000.00		\$5,431,241.40		\$0.00
PERCENT OF ENGINEER'S ESTIMATE							+22.62%		+29.32%		-100.00%

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