



Roll Call Number

Agenda Item Number

66

DATE December 12, 2022

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON MCKINLEY AVENUE RECONSTRUCTION FROM SOUTH UNION STREET TO SW 9TH STREET ; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS ALL STAR CONCRETE, L.L.C., ALEX VAZQUEZ, MEMBER AND MANAGER, \$5,065,871.77

WHEREAS, on October 24, 2022, under Roll Call No. 22-1603, 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:

McKinley Avenue Reconstruction from South Union Street to SW 9th Street , 062021008

The improvement includes reconstructing McKinley Avenue with Portland Cement Concrete (PCC) roadway paving, PCC sidewalks, PCC driveways, and PCC multi-use trail, storm sewer, storm sewer intakes and manholes, subdrain, clearing and grubbing, earthwork and grading, water main construction, traffic signals, pavement markings, signage, erosion control, and restoration; all in accordance with the contract documents, including Plan File No.648-001/217, located along McKinley Avenue from South Union Street to SW 9th 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.

WHEREAS, in accordance with said notice, those interested in said proposed plans, specifications, form of contract documents, and Engineer's estimate of construction cost both for and against, have been given opportunity to be heard with respect thereto and have presented their views to the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the upon due consideration of the facts, and any and all statements of interested persons, any objections to the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement are overruled and the hearing is closed and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved.

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

- All Star Concrete, L.L.C., Johnston, IA - Low Bid
- MPS Engineers, P.C. dba Kingston Services, P.C., Des Moines, IA
- Absolute Concrete Construction, Inc., Slater, IA
- Corell Contractor, Inc., West Des Moines, IA
- Concrete Technologies, Inc., Grimes, IA
- Jasper Construction Services, Inc., Newton, IA - Bid not read

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 8, 2022. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

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 All Star Concrete, L.L.C., Alex Vazquez, Member and Manager, 4989 NW Johnston Drive, Johnston, IA, 50131 in the amount of \$5,065,871.77, and said bid be and the same is hereby accepted.



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

BE IT FURTHER RESOLVED: That the 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 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 closure of all public grounds, streets, sidewalks, alleys, bridges, culverts, overpasses, underpasses, grade crossing separations and approaches, public ways, squares, and commons for the Project.

(City Council Communication Number 22-577 attached)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE

s/ Kathleen Vanderpool

Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

SLN
pw

Funding Source: 2022-23 CIP, Page 115, McKinley Avenue Improvements, ST212, G.O. Bonds, Being: \$4,335,703.83 in G.O. Bonds and the remaining \$730,167.94 from Des Moines Water Works.

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

MOTION CARRIED APPROVED

I, Laura Baumgartner, 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.

Mayor

City Clerk

TABULATED BY: N. Smith APPROVED BY: *P. Wagon*

CHECKED BY: *Britt Spurlock*

CONTRACTOR'S BID TABULATION

PROJECT: MCKINLEY AVENUE RECONSTRUCTION FROM SOUTH UNION STREET TO SW 9TH STREET

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
DIVISION 1: CITY OF DES MOINES											
1	CLEARING AND GRUBBING	286.5	UNIT	\$100.00	\$28,650.00	\$20.00	\$5,730.00	\$126.00	\$36,099.00	\$500.00	\$143,250.00
2	TOPSOIL, ON-SITE	1817	CY	\$35.00	\$63,595.00	\$45.00	\$81,765.00	\$32.00	\$58,144.00	\$45.00	\$81,765.00
3	EXCAVATION, CLASS 10	4738	CY	\$25.00	\$118,450.00	\$25.00	\$118,450.00	\$24.00	\$113,712.00	\$25.00	\$118,450.00
4	BELOW GRADE EXCAVATION (CORE OUT)	440	CY	\$75.00	\$33,000.00	\$65.00	\$28,600.00	\$32.00	\$14,080.00	\$65.00	\$28,600.00
5	SUBGRADE PREPARATION, 6 IN.	10555	SY	\$4.00	\$42,220.00	\$3.50	\$36,942.50	\$5.00	\$52,775.00	\$3.50	\$36,942.50
6	SUBGRADE TREATMENT, GEOGRID, TYPE 2 OR 3	10555	SY	\$5.00	\$52,775.00	\$4.00	\$42,220.00	\$4.00	\$42,220.00	\$4.00	\$42,220.00
7	SUBBASE, MODIFIED, 6 IN.	10555	SY	\$16.00	\$168,880.00	\$17.00	\$179,435.00	\$16.00	\$168,880.00	\$17.00	\$179,435.00
8	REMOVAL OF RETAINING WALL	184	LF	\$50.00	\$9,200.00	\$55.00	\$10,120.00	\$48.00	\$8,832.00	\$55.00	\$10,120.00
9	REMOVALS	1	LS	\$10,000.00	\$10,000.00	\$6,000.00	\$6,000.00	\$6,800.00	\$6,800.00	\$6,000.00	\$6,000.00
10	VIBRATION MONITORING	1	LS	\$20,000.00	\$20,000.00	\$7,500.00	\$7,500.00	\$18,000.00	\$18,000.00	\$50,000.00	\$50,000.00
11	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	330	TON	\$40.00	\$13,200.00	\$59.44	\$19,615.20	\$32.00	\$10,560.00	\$45.00	\$14,850.00
12	STORM SEWER, TRENCHED, RCP OR PP, 15 IN.	1780	LF	\$130.00	\$231,400.00	\$45.11	\$80,295.80	\$114.00	\$202,920.00	\$105.00	\$186,900.00
13	STORM SEWER, TRENCHED, RCP OR PP, 18 IN.	502	LF	\$150.00	\$75,300.00	\$51.82	\$26,013.64	\$142.00	\$71,284.00	\$120.00	\$60,240.00
14	STORM SEWER, TRENCHED, RCP OR PP, 24 IN.	385	LF	\$175.00	\$67,375.00	\$75.43	\$29,040.55	\$186.00	\$71,610.00	\$150.00	\$57,750.00
15	REMOVAL OF STORM SEWER, RCP, LESS THAN OR EQUAL TO 36 IN.	611	LF	\$30.00	\$18,330.00	\$23.59	\$14,413.49	\$32.00	\$19,552.00	\$25.00	\$15,275.00
16	REMOVAL OF STORM SEWER, 2.5 FT. X 2 FT. BOX	31	LF	\$100.00	\$3,100.00	\$182.98	\$5,672.38	\$108.00	\$3,348.00	\$100.00	\$3,100.00
17	PIPE APRON, FOOTING, AND APRON GUARD, RCP, 15 IN.	2	EA	\$2,000.00	\$4,000.00	\$1,830.60	\$3,661.20	\$2,200.00	\$4,400.00	\$3,350.00	\$6,700.00
18	SUBDRAIN, TYPE 1, HDPE, 6 IN. DIA.	205	LF	\$32.00	\$6,560.00	\$26.49	\$5,430.45	\$32.00	\$6,560.00	\$34.00	\$6,970.00
19	SUBDRAIN, TYPE 2, HDPE, 8 IN. DIA.	5320	LF	\$35.00	\$186,200.00	\$29.51	\$156,993.20	\$36.00	\$191,520.00	\$36.00	\$191,520.00
20	SUBDRAIN OUTLETS AND CONNECTIONS, HDPE, 8 IN. DIA.	45	EA	\$500.00	\$22,500.00	\$427.36	\$19,231.20	\$500.00	\$22,500.00	\$550.00	\$24,750.00
21	STORM SEWER SERVICE STUB, PVC, 2 IN.	950	LF	\$17.00	\$16,150.00	\$21.83	\$20,738.50	\$32.00	\$30,400.00	\$40.00	\$38,000.00
22	VIDEO INSPECTION FOR SEWER PIPES	2667	LF	\$3.00	\$8,001.00	\$2.52	\$6,720.84	\$5.00	\$13,335.00	\$2.00	\$5,334.00
23	LOWER WATER SERVICE	7	EA	\$3,000.00	\$21,000.00	\$3,976.73	\$27,837.11	\$3,200.00	\$22,400.00	\$2,250.00	\$15,750.00
24	MANHOLE, SW-401, 48 IN.	3	EA	\$5,000.00	\$15,000.00	\$5,197.58	\$15,592.74	\$5,500.00	\$16,500.00	\$4,000.00	\$12,000.00
25	MANHOLE, SW-401, 60 IN.	2	EA	\$7,000.00	\$14,000.00	\$7,005.98	\$14,011.96	\$8,200.00	\$16,400.00	\$6,000.00	\$12,000.00
26	INTAKE, SW-505	33	EA	\$9,000.00	\$297,000.00	\$5,254.60	\$173,401.80	\$8,200.00	\$270,600.00	\$6,000.00	\$198,000.00
27	INTAKE, SW-505, CAST-IN-PLACE	5	EA	\$15,000.00	\$75,000.00	\$11,973.78	\$59,868.90	\$9,200.00	\$46,000.00	\$10,500.00	\$52,500.00
28	INTAKE, SW-505, MODIFIED, CAST-IN-PLACE	5	EA	\$15,000.00	\$75,000.00	\$15,886.78	\$79,433.90	\$14,000.00	\$70,000.00	\$15,000.00	\$75,000.00
29	INTAKE, SW-512, 24 IN.	2	EA	\$3,500.00	\$7,000.00	\$2,679.85	\$5,359.70	\$3,500.00	\$7,000.00	\$2,500.00	\$5,000.00
30	INTAKE, SW-513, 6 FT. X 4 FT., CAST-IN-PLACE	1	EA	\$9,000.00	\$9,000.00	\$14,058.85	\$14,058.85	\$12,000.00	\$12,000.00	\$22,500.00	\$22,500.00
31	MANHOLE, ADJUSTMENT, MINOR	3	EA	\$3,000.00	\$9,000.00	\$1,225.00	\$3,675.00	\$2,600.00	\$7,800.00	\$1,225.00	\$3,675.00
32	MANHOLE, ADJUSTMENT, MAJOR	19	EA	\$5,000.00	\$95,000.00	\$2,227.06	\$42,314.14	\$4,200.00	\$79,800.00	\$4,000.00	\$76,000.00
33	MANHOLE, ADJUSTMENT, MAJOR, MH-100	1	EA	\$10,000.00	\$10,000.00	\$31,993.81	\$31,993.81	\$25,000.00	\$25,000.00	\$25,500.00	\$25,500.00
34	REMOVE MANHOLE	3	EA	\$1,500.00	\$4,500.00	\$508.69	\$1,526.07	\$3,200.00	\$9,600.00	\$900.00	\$2,700.00
35	REMOVE INTAKE	4	EA	\$2,200.00	\$8,800.00	\$508.69	\$2,034.76	\$1,850.00	\$7,400.00	\$900.00	\$3,600.00
36	PAVEMENT, PCC, CLASS C, 8 IN.	8092	SY	\$85.00	\$687,820.00	\$80.00	\$647,360.00	\$81.00	\$655,452.00	\$100.00	\$809,200.00
37	PAVEMENT SMOOTHNESS DEFICIENCY	0	SY	-\$1.00	\$0.00	-\$1.00	\$0.00	-\$1.00	\$0.00	-\$1.00	\$0.00
38	PCC PAVEMENT THICKNESS DEFICIENCY	0	SY	-\$1.00	\$0.00	-\$1.00	\$0.00	-\$1.00	\$0.00	-\$1.00	\$0.00
39	CURB AND GUTTER, 2.5 FT., 8 IN.	405	LF	\$50.00	\$20,250.00	\$55.00	\$22,275.00	\$54.00	\$21,870.00	\$55.00	\$22,275.00
40	CONCRETE MEDIAN, 10-IN.	151	SY	\$300.00	\$45,300.00	\$72.50	\$10,947.50	\$95.00	\$14,345.00	\$200.00	\$30,200.00
41	PCC PAVEMENT WIDENING, 8-IN.	404	SY	\$78.00	\$31,512.00	\$85.00	\$34,340.00	\$85.00	\$34,340.00	\$90.00	\$36,360.00
42	REMOVAL OF SIDEWALK AND DRIVEWAY	3362	SY	\$12.00	\$40,344.00	\$15.00	\$50,430.00	\$16.00	\$53,792.00	\$15.00	\$50,430.00
43	SHARED USE PATH, PCC, 6 IN.	2412	SY	\$68.00	\$164,016.00	\$59.50	\$143,514.00	\$86.00	\$207,432.00	\$51.00	\$123,012.00
44	SPECIAL SUBGRADE PREPARATION FOR SHARED USE PATH, 6 IN.	3152	SY	\$3.50	\$11,032.00	\$6.00	\$18,912.00	\$5.00	\$15,760.00	\$6.00	\$18,912.00
45	SIDEWALK, PCC, 5 IN.	1114	SY	\$65.00	\$72,410.00	\$57.50	\$64,055.00	\$67.50	\$75,195.00	\$50.00	\$55,700.00
46	SIDEWALK, PCC, 6 IN.	71	SY	\$110.00	\$7,810.00	\$60.00	\$4,260.00	\$70.00	\$4,970.00	\$60.00	\$4,260.00
47	SIDEWALK, PCC, 10 IN.	95	SY	\$140.00	\$13,300.00	\$71.00	\$6,745.00	\$86.00	\$8,170.00	\$115.00	\$10,925.00
48	SIDEWALK, PCC, COLORED, 5 IN.	91	SY	\$150.00	\$13,650.00	\$81.00	\$7,371.00	\$135.00	\$12,285.00	\$150.00	\$13,650.00
49	SIDEWALK, PCC, COLORED, 6 IN.	102	SY	\$175.00	\$17,850.00	\$85.00	\$8,670.00	\$137.50	\$14,025.00	\$175.00	\$17,850.00
50	SIDEWALK, PCC, COLORED, 10 IN.	9	SY	\$200.00	\$1,800.00	\$90.00	\$810.00	\$165.00	\$1,485.00	\$200.00	\$1,800.00

All Star Concrete, LLC
Johnston, IA

BID SECURITY
10% Bid Bond

BID PRICE

MPS Engineers, PC dba
Kingston Services, PC
Des Moines, IA

BID SECURITY
10% Bid Bond

BID PRICE

Absolute Concrete Construction,
Inc.
Granger, IA

BID SECURITY
10% Bid Bond

BID PRICE

66

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT						
51	DETECTABLE WARNINGS	355 SF	\$65.00	\$0.00	\$45.00	\$15,975.00	\$58.00	\$20,590.00	\$60.00	\$21,300.00
52	DRIVEWAY, PAVED, PCC, 6 IN.	2090 SY	\$75.00	\$0.00	\$62.00	\$129,580.00	\$86.00	\$179,740.00	\$70.00	\$146,300.00
53	DRIVEWAY, PAVED, PCC, 7 IN.	126 SY	\$80.00	\$10,080.00	\$64.00	\$8,064.00	\$90.00	\$11,340.00	\$80.00	\$10,080.00
54	DRIVEWAY, GRANULAR, CLASS A CRUSHED STONE, 6 IN.	89 TON	\$50.00	\$4,450.00	\$52.00	\$4,628.00	\$50.00	\$4,450.00	\$52.00	\$4,628.00
55	FULL DEPTH PATCHES	81 SY	\$300.00	\$24,300.00	\$200.00	\$16,200.00	\$156.00	\$12,636.00	\$200.00	\$16,200.00
56	SUBBASE OVER-EXCAVATION FOR PATCHING	55 TON	\$60.00	\$3,300.00	\$75.00	\$4,125.00	\$42.00	\$2,310.00	\$75.00	\$4,125.00
57	PAVEMENT REMOVAL	7972 SY	\$18.00	\$143,496.00	\$18.00	\$143,496.00	\$18.00	\$143,496.00	\$18.00	\$143,496.00
58	REMOVAL OF CONCRETE MEDIAN	151 SY	\$150.00	\$22,650.00	\$27.00	\$4,077.00	\$150.00	\$22,650.00	\$20.00	\$3,020.00
59	TEMPORARY GRANULAR SURFACING	3200 TON	\$26.00	\$83,200.00	\$45.00	\$144,000.00	\$28.00	\$89,600.00	\$45.00	\$144,000.00
60	TEMPORARY PAVEMENT, 6 IN.	514 SY	\$65.00	\$33,410.00	\$49.61	\$25,499.54	\$52.00	\$26,728.00	\$60.00	\$30,840.00
61	TRAFFIC SIGNALIZATION	1 LS	\$285,000.00	\$285,000.00	\$252,110.00	\$252,110.00	\$255,000.00	\$255,000.00	\$333,000.00	\$333,000.00
62	REMOVAL OF TRAFFIC SIGNALIZATION	1 LS	\$30,000.00	\$30,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$12,200.00	\$12,200.00
63	TRAFFIC SIGNAL INTERCONNECT	1 LS	\$190,000.00	\$190,000.00	\$85,000.00	\$85,000.00	\$86,000.00	\$86,000.00	\$106,753.00	\$106,753.00
64	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	22.8 STA	\$85.00	\$1,938.00	\$100.00	\$2,280.00	\$75.00	\$1,710.00	\$100.00	\$2,280.00
65	PAINTED PAVEMENT MARKINGS, DURABLE	0.9 STA	\$250.00	\$225.00	\$450.00	\$405.00	\$3,500.00	\$3,150.00	\$450.00	\$405.00
66	PERMANENT TAPE MARKINGS, REGULAR MARKING TAPE	50.7 STA	\$550.00	\$27,885.00	\$625.00	\$31,687.50	\$500.00	\$25,350.00	\$625.00	\$31,687.50
67	PAINTED SYMBOLS AND LEGENDS, DURABLE	4 EA	\$350.00	\$1,400.00	\$150.00	\$600.00	\$350.00	\$1,400.00	\$150.00	\$600.00
68	PAVEMENT MARKINGS REMOVED	37.6 STA	\$40.00	\$1,504.00	\$60.00	\$2,256.00	\$55.00	\$2,068.00	\$60.00	\$2,256.00
69	SYMBOLS AND LEGENDS REMOVED	4 EA	\$120.00	\$480.00	\$100.00	\$400.00	\$120.00	\$480.00	\$100.00	\$400.00
70	GROOVES CUT FOR PAVEMENT MARKINGS	50.7 STA	\$150.00	\$7,605.00	\$75.00	\$3,802.50	\$120.00	\$6,084.00	\$75.00	\$3,802.50
71	GROOVES CUT FOR SYMBOLS AND LEGENDS	4 EA	\$150.00	\$600.00	\$150.00	\$600.00	\$175.00	\$700.00	\$150.00	\$600.00
72	TEMPORARY TRAFFIC CONTROL	1 LS	\$85,000.00	\$85,000.00	\$19,258.00	\$19,258.00	\$112,500.00	\$112,500.00	\$107,900.00	\$107,900.00
73	PORTABLE DYNAMIC MESSAGE SIGNS (PDMS)	98 CDAY	\$150.00	\$14,700.00	\$185.00	\$18,130.00	\$120.00	\$11,760.00	\$150.00	\$14,700.00
74	REMOVE AND REINSTALL SIGN, AS PER PLAN	1 EA	\$350.00	\$350.00	\$200.00	\$200.00	\$500.00	\$500.00	\$218.50	\$218.50
75	REMOVAL OF SIGN AND SIGN POST	31 EA	\$150.00	\$4,650.00	\$150.00	\$4,650.00	\$180.00	\$5,580.00	\$150.00	\$4,650.00
76	TYPE A SIGNS, SHEET ALUMINUM	175 SF	\$25.00	\$4,375.00	\$40.00	\$7,000.00	\$27.00	\$4,725.00	\$40.00	\$7,000.00
77	SIGN POST, PERFORATED SQUARE, STEEL TUBE POST	450 LF	\$25.00	\$11,250.00	\$15.00	\$6,750.00	\$27.00	\$12,150.00	\$15.00	\$6,750.00
78	TEMPORARY BARRIER RAIL, CONCRETE	100 LF	\$20.00	\$2,000.00	\$32.00	\$3,200.00	\$100.00	\$10,000.00	\$35.00	\$3,500.00
79	FLAGGERS	50 EA	\$555.00	\$27,750.00	\$555.00	\$27,750.00	\$555.00	\$27,750.00	\$555.00	\$27,750.00
80	SEEDING AND FERTILIZING FOR HYDRAULIC SEEDING, TYPE 1	1.5 ACRE	\$3,500.00	\$5,250.00	\$3,000.00	\$4,500.00	\$2,250.00	\$3,375.00	\$2,250.00	\$3,375.00
81	WATERING	164 MGAL	\$100.00	\$16,400.00	\$50.00	\$8,200.00	\$50.00	\$8,200.00	\$50.00	\$8,200.00
82	SOD	543 SQ	\$100.00	\$54,300.00	\$76.00	\$41,268.00	\$68.00	\$36,924.00	\$68.00	\$36,924.00
83	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)	1 LS	\$10,000.00	\$10,000.00	\$9,000.00	\$9,000.00	\$7,000.00	\$7,000.00	\$5,000.00	\$5,000.00
84	FILTER SOCK, 9 IN.	8540 LF	\$2.00	\$17,080.00	\$1.85	\$15,799.00	\$1.75	\$14,945.00	\$1.75	\$14,945.00
85	FILTER SOCK, REMOVAL	8540 LF	\$1.00	\$8,540.00	\$0.30	\$2,562.00	\$0.25	\$2,135.00	\$0.25	\$2,135.00
86	TEMPORARY ROLLED EROSION CONTROL PRODUCT (RECP), TYPE 2.B.	278 SY	\$5.00	\$1,390.00	\$2.00	\$556.00	\$3.00	\$834.00	\$3.00	\$834.00
87	RIP RAP, EROSION STONE	4 TON	\$200.00	\$800.00	\$250.00	\$1,000.00	\$450.00	\$1,800.00	\$250.00	\$1,000.00
88	EROSION CONTROL MULCH, HYDROMULCH (BFM)	3 ACRE	\$4,000.00	\$12,000.00	\$3,000.00	\$9,000.00	\$3,750.00	\$11,250.00	\$3,750.00	\$11,250.00
89	INLET PROTECTION DEVICE, ROCK	50 EA	\$250.00	\$12,500.00	\$250.00	\$12,500.00	\$250.00	\$12,500.00	\$250.00	\$12,500.00
90	INLET PROTECTION DEVICE, DROP-IN	88 EA	\$250.00	\$22,000.00	\$168.00	\$14,784.00	\$175.00	\$15,400.00	\$175.00	\$15,400.00
91	INLET PROTECTION DEVICE, OPEN-THROAT CURB INTAKE SEDIMENT FILTER	1 EA	\$200.00	\$200.00	\$168.00	\$168.00	\$250.00	\$250.00	\$175.00	\$175.00
92	INLET PROTECTION DEVICE, MAINTENANCE	178 EA	\$50.00	\$8,900.00	\$1.00	\$178.00	\$25.00	\$4,450.00	\$25.00	\$4,450.00
93	CHAIN LINK FENCE, ZINC-COATED FABRIC, 42 IN.	237 LF	\$60.00	\$14,220.00	\$27.55	\$6,529.35	\$40.00	\$9,480.00	\$39.00	\$9,243.00
94	CHAIN LINK FENCE, BLACK VINYL COATED, 42 IN.	261 LF	\$85.00	\$22,185.00	\$44.75	\$11,679.75	\$58.00	\$15,138.00	\$55.00	\$14,355.00
95	WOODEN FENCE, 72 IN.	26 LF	\$80.00	\$2,080.00	\$92.00	\$2,392.00	\$220.00	\$5,720.00	\$217.00	\$5,642.00
96	REMOVAL OF FENCE	343 LF	\$12.00	\$4,116.00	\$5.00	\$1,715.00	\$16.00	\$5,488.00	\$15.83	\$5,429.89
97	MODULAR BLOCK RETAINING WALL	824 SF	\$45.00	\$37,080.00	\$39.50	\$32,548.00	\$42.00	\$34,608.00	\$40.00	\$32,960.00
98	SEGMENTAL BLOCK RETAINING WALL	2240 SF	\$60.00	\$134,400.00	\$68.00	\$152,320.00	\$70.00	\$156,800.00	\$69.50	\$155,680.00
99	CONCRETE STEPS, TYPE A	42.5 SF	\$110.00	\$4,675.00	\$80.00	\$3,400.00	\$110.00	\$4,675.00	\$80.00	\$3,400.00
100	HANDRAIL, GALVANIZED STEEL PIPE, BLACK POWDER COATED	17 LF	\$200.00	\$3,400.00	\$106.00	\$1,802.00	\$450.00	\$7,650.00	\$445.00	\$7,565.00
101	TREE PROTECTION FENCE	1460 LF	\$12.00	\$17,520.00	\$5.45	\$7,957.00	\$3.50	\$5,110.00	\$3.50	\$5,110.00
102	TREE TRUNK PROTECTION	13 EA	\$500.00	\$6,500.00	\$185.00	\$2,405.00	\$300.00	\$3,900.00	\$300.00	\$3,900.00
103	TREE AND SHRUB TRIMMING	5 EA	\$500.00	\$2,500.00	\$1,000.00	\$5,000.00	\$500.00	\$2,500.00	\$5,000.00	\$25,000.00
104	MOWING	3 ACRE	\$600.00	\$1,800.00	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00
105	MOBILIZATION	1 LS	\$237,461.00	\$237,461.00	\$565,000.00	\$565,000.00	\$994,000.00	\$994,000.00	\$750,000.00	\$750,000.00
106	MAINTENANCE OF POSTAL SERVICE	1 LS	\$20,000.00	\$20,000.00	\$1,500.00	\$1,500.00	\$12,000.00	\$12,000.00	\$3,000.00	\$3,000.00
107	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$20,000.00	\$20,000.00	\$46,280.00	\$46,280.00	\$24,000.00	\$24,000.00	\$25,000.00	\$25,000.00
108	REMOVE, SALVAGE, AND REINSTALL MAILBOX	1 LS	\$25,000.00	\$25,000.00	\$225.00	\$225.00	\$15,000.00	\$15,000.00	\$30,000.00	\$30,000.00
109	CONCRETE WASHOUT	1 LS	\$10,000.00	\$10,000.00	\$5,325.00	\$5,325.00	\$10,000.00	\$10,000.00	\$5,325.00	\$5,325.00
DIVISION 1, TOTAL				\$4,900,000.00		\$4,335,703.83		\$5,395,731.00		\$5,398,209.69
DIVISION 2, TOTAL										
201	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	2200 TON	\$35.00	\$77,000.00	\$59.44	\$130,768.00	\$28.00	\$61,600.00	\$55.00	\$121,000.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
202	WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), 4-INCH	24 LF	\$90.00	\$2,160.00	\$20.78	\$498.72	\$144.00	\$3,456.00	\$100.00	\$2,400.00
203	WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), 8-INCH	390 LF	\$100.00	\$39,000.00	\$38.66	\$15,077.40	\$98.00	\$38,220.00	\$115.00	\$44,850.00
204	WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), 12-INCH	2391 LF	\$110.00	\$263,010.00	\$66.07	\$157,973.37	\$114.00	\$272,574.00	\$110.00	\$263,010.00
205	FITTINGS BY WEIGHT, DUCTILE IRON (DI), ALL FITTINGS	2778 LB	\$14.00	\$38,892.00	\$15.85	\$44,031.30	\$16.00	\$44,448.00	\$30.00	\$83,340.00
206	WATER SERVICE TRANSFER, COPPER, 1 IN., SAME SIDE	20 EA	\$2,000.00	\$40,000.00	\$3,152.76	\$63,055.20	\$2,750.00	\$55,000.00	\$2,250.00	\$45,000.00
207	WATER SERVICE TRANSFER, COPPER, 2 IN., SAME SIDE	3 EA	\$2,250.00	\$6,750.00	\$4,773.86	\$14,321.58	\$3,500.00	\$10,500.00	\$3,550.00	\$10,650.00
208	WATER SERVICE TRANSFER, COPPER,-1 IN., OPPOSITE SIDE	21 EA	\$3,000.00	\$63,000.00	\$4,477.59	\$94,029.39	\$4,850.00	\$101,850.00	\$2,850.00	\$59,850.00
209	WATER MAIN REMOVAL	864 LF	\$20.00	\$17,280.00	\$12.72	\$10,990.08	\$20.00	\$17,280.00	\$25.00	\$21,600.00
210	VALVE, GATE, DUCTILE IRON (DI), 8-INCH	7 EA	\$2,200.00	\$15,400.00	\$2,406.50	\$16,845.50	\$3,200.00	\$22,400.00	\$2,800.00	\$19,600.00
211	VALVE, GATE, DUCTILE IRON (DI), 12-INCH	7 EA	\$3,600.00	\$25,200.00	\$4,027.60	\$28,193.20	\$4,200.00	\$29,400.00	\$4,250.00	\$29,750.00
212	TAPPING VALVE ASSEMBLY, 12-INCH	1 EA	\$7,300.00	\$7,300.00	\$10,006.10	\$10,006.10	\$9,200.00	\$9,200.00	\$12,805.00	\$12,805.00
213	FIRE HYDRANT ASSEMBLY	7 EA	\$6,600.00	\$46,200.00	\$7,080.29	\$49,562.03	\$7,200.00	\$50,400.00	\$7,550.00	\$52,850.00
214	FLUSHING DEVICE (BLOWOFF), 6-INCH	1 EA	\$2,000.00	\$2,000.00	\$7,762.27	\$7,762.27	\$3,200.00	\$3,200.00	\$3,750.00	\$3,750.00
215	VALVE BOX EXTENSION	1 EA	\$600.00	\$600.00	\$444.41	\$444.41	\$600.00	\$600.00	\$600.00	\$600.00
216	FIRE HYDRANT ADJUSTMENT	1 EA	\$2,500.00	\$2,500.00	\$1,995.63	\$1,995.63	\$4,500.00	\$4,500.00	\$1,750.00	\$1,750.00
217	FIRE HYDRANT ASSEMBLY REMOVAL	6 EA	\$1,800.00	\$10,800.00	\$1,017.38	\$6,104.28	\$2,250.00	\$13,500.00	\$2,000.00	\$12,000.00
218	STA 99+91.32 (SW 9TH) TEE/VALVE REMOVAL WITH DIP NIGHT INSTALLATION	1 LS	\$4,158.00	\$4,158.00	\$2,079.48	\$2,079.48	\$14,158.00	\$14,158.00	\$9,250.00	\$9,250.00
219	FULL DEPTH PATCHES	264 SY	\$300.00	\$79,200.00	\$200.00	\$52,800.00	\$156.00	\$41,184.00	\$200.00	\$52,800.00
220	TEMPORARY GRANULAR SURFACING, 6 IN.	220 TON	\$26.00	\$5,720.00	\$45.00	\$9,900.00	\$28.00	\$6,160.00	\$45.00	\$9,900.00
221	TEMPORARY BARRIER RAIL, CONCRETE	325 LF	\$20.00	\$6,500.00	\$32.00	\$10,400.00	\$20.00	\$6,500.00	\$35.00	\$11,375.00
222	FLAGGERS	6 EA	\$555.00	\$3,330.00	\$555.00	\$3,330.00	\$555.00	\$3,330.00	\$555.00	\$3,330.00
DIVISION 2, TOTAL				\$756,000.00		\$730,167.94		\$809,460.00		\$871,460.00
TOTAL CONSTRUCTION COST (DIVISION 1 + DIVISION 2)				\$5,656,000.00		\$5,065,871.77		\$6,205,191.00		\$6,269,669.69
PERCENT OF ENGINEER'S ESTIMATE						-10.43%		+9.71%		+10.85%
						Low				

TABULATED BY: N. Smith APPROVED BY P. Waz

CHECKED BY: _____

CONTRACTOR'S BID TABULATION
PROJECT: MCKINLEY AVENUE RECONSTRUCTION FROM SOUTH UNION STREET TO SW 9TH STREET

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
DIVISION 1: CITY OF DES MOINES										
1	CLEARING AND GRUBBING	286.5 UNIT	\$100.00	\$28,650.00	\$165.00	\$47,272.50	\$130.00	\$37,245.00		
2	TOPSOIL, ON-SITE	1817 CY	\$35.00	\$63,595.00	\$55.00	\$99,935.00	\$47.50	\$86,307.50		
3	EXCAVATION, CLASS 10	4738 CY	\$25.00	\$118,450.00	\$30.00	\$142,140.00	\$26.50	\$125,557.00		
4	BELOW GRADE EXCAVATION (CORE OUT)	440 CY	\$75.00	\$33,000.00	\$90.00	\$39,600.00	\$68.50	\$30,140.00		
5	SUBGRADE PREPARATION, 6 IN.	10555 SY	\$4.00	\$42,220.00	\$4.00	\$42,220.00	\$3.50	\$36,942.50		
6	SUBGRADE TREATMENT, GEOGRID, TYPE 2 OR 3	10555 SY	\$5.00	\$52,775.00	\$5.00	\$52,775.00	\$4.00	\$42,220.00		
7	SUBBASE, MODIFIED, 6 IN.	10555 SY	\$16.00	\$168,880.00	\$12.00	\$126,660.00	\$18.00	\$189,990.00		
8	REMOVAL OF RETAINING WALL	184 LF	\$50.00	\$9,200.00	\$32.00	\$5,888.00	\$58.00	\$10,672.00		
9	REMOVALS	1 LS	\$10,000.00	\$10,000.00	\$5,350.00	\$5,350.00	\$6,300.00	\$6,300.00		
10	VIBRATION MONITORING	1 LS	\$20,000.00	\$20,000.00	\$11,000.00	\$11,000.00	\$11,340.00	\$11,340.00		
11	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	330 TON	\$40.00	\$13,200.00	\$45.00	\$14,850.00	\$79.00	\$26,070.00		
12	STORM SEWER, TRENCHED, RCP OR PP, 15 IN.	1780 LF	\$130.00	\$231,400.00	\$173.00	\$307,940.00	\$173.00	\$307,940.00		
13	STORM SEWER, TRENCHED, RCP OR PP, 18 IN.	502 LF	\$150.00	\$75,300.00	\$180.00	\$90,360.00	\$179.00	\$89,858.00		
14	STORM SEWER, TRENCHED, RCP OR PP, 24 IN.	385 LF	\$175.00	\$67,375.00	\$205.00	\$78,225.00	\$189.00	\$72,765.00		
15	REMOVAL OF STORM SEWER, RCP, LESS THAN OR EQUAL TO 36 IN.	611 LF	\$30.00	\$18,330.00	\$55.00	\$33,605.00	\$31.50	\$19,246.50		
16	REMOVAL OF STORM SEWER, 2.5 FT. X 2 FT. BOX	31 LF	\$100.00	\$3,100.00	\$220.00	\$6,820.00	\$31.50	\$976.50		
17	PIPE APRON, FOOTING, AND APRON GUARD, RCP, 15 IN.	2 EA	\$2,000.00	\$4,000.00	\$3,000.00	\$6,000.00	\$5,250.00	\$10,500.00		
18	SUBDRAIN, TYPE 1, HDPE, 6 IN. DIA.	205 LF	\$32.00	\$6,560.00	\$45.00	\$9,225.00	\$47.50	\$9,737.50		
19	SUBDRAIN, TYPE 2, HDPE, 8 IN. DIA.	5320 LF	\$35.00	\$186,200.00	\$40.00	\$212,800.00	\$48.50	\$258,020.00		
20	SUBDRAIN OUTLETS AND CONNECTIONS, HDPE, 8 IN. DIA.	45 EA	\$500.00	\$22,500.00	\$700.00	\$31,500.00	\$525.00	\$23,625.00		
21	STORM SEWER SERVICE STUB, PVC, 2 IN.	950 LF	\$17.00	\$16,150.00	\$42.00	\$39,900.00	\$94.50	\$89,775.00		
22	VIDEO INSPECTION FOR SEWER PIPES	2667 LF	\$3.00	\$8,001.00	\$5.50	\$14,668.50	\$5.50	\$14,668.50		
23	LOWER WATER SERVICE	7 EA	\$3,000.00	\$21,000.00	\$4,500.00	\$31,500.00	\$3,150.00	\$22,050.00		
24	MANHOLE, SW-401, 48 IN.	3 EA	\$5,000.00	\$15,000.00	\$6,200.00	\$18,600.00	\$7,875.00	\$23,625.00		
25	MANHOLE, SW-401, 60 IN.	2 EA	\$7,000.00	\$14,000.00	\$8,000.00	\$16,000.00	\$9,975.00	\$19,950.00		
26	INTAKE, SW-505	33 EA	\$9,000.00	\$297,000.00	\$7,500.00	\$247,500.00	\$7,670.00	\$253,110.00		
27	INTAKE, SW-505, CAST-IN-PLACE	5 EA	\$15,000.00	\$75,000.00	\$8,600.00	\$43,000.00	\$9,030.00	\$45,150.00		
28	INTAKE, SW-505, MODIFIED, CAST-IN-PLACE	5 EA	\$15,000.00	\$75,000.00	\$9,100.00	\$45,500.00	\$13,125.00	\$65,625.00		
29	INTAKE, SW-512, 24 IN.	2 EA	\$3,500.00	\$7,000.00	\$4,000.00	\$8,000.00	\$3,675.00	\$7,350.00		
30	INTAKE, SW-513, 6 FT. X 4 FT., CAST-IN-PLACE	1 EA	\$9,000.00	\$9,000.00	\$10,500.00	\$10,500.00	\$12,600.00	\$12,600.00		
31	MANHOLE, ADJUSTMENT, MINOR	3 EA	\$3,000.00	\$9,000.00	\$2,600.00	\$7,800.00	\$3,675.00	\$11,025.00		
32	MANHOLE, ADJUSTMENT, MAJOR	19 EA	\$5,000.00	\$95,000.00	\$6,100.00	\$115,900.00	\$4,725.00	\$89,775.00		
33	MANHOLE, ADJUSTMENT, MAJOR, MH-100	1 EA	\$10,000.00	\$10,000.00	\$15,500.00	\$15,500.00	\$31,505.00	\$31,505.00		
34	REMOVE MANHOLE	3 EA	\$1,500.00	\$4,500.00	\$2,650.00	\$7,950.00	\$1,050.00	\$3,150.00		
35	REMOVE INTAKE	4 EA	\$2,200.00	\$8,800.00	\$2,650.00	\$10,600.00	\$1,050.00	\$4,200.00		
36	PAVEMENT, PCC, CLASS C, 8 IN.	8092 SY	\$85.00	\$687,820.00	\$82.50	\$667,590.00	\$106.75	\$863,821.00		
37	PAVEMENT SMOOTHNESS DEFICIENCY	0 SY	-\$1.00	\$0.00	-\$1.00	\$0.00	-\$1.00	\$0.00		
38	PCC PAVEMENT THICKNESS DEFICIENCY	0 SY	-\$1.00	\$0.00	-\$1.00	\$0.00	-\$1.00	\$0.00		
39	CURB AND GUTTER, 2.5 FT., 8 IN.	405 LF	\$50.00	\$20,250.00	\$57.00	\$23,085.00	\$42.00	\$17,010.00		
40	CONCRETE MEDIAN, 10-IN.	151 SY	\$300.00	\$45,300.00	\$155.00	\$23,405.00	\$152.50	\$23,027.50		
41	PCC PAVEMENT WIDENING, 8-IN.	404 SY	\$78.00	\$31,512.00	\$88.00	\$35,552.00	\$153.00	\$61,812.00		
42	REMOVAL OF SIDEWALK AND DRIVEWAY	3362 SY	\$12.00	\$40,344.00	\$15.00	\$50,430.00	\$16.00	\$53,792.00		
43	SHARED USE PATH, PCC, 6 IN.	2412 SY	\$68.00	\$164,016.00	\$56.50	\$136,278.00	\$58.00	\$139,896.00		
44	SPECIAL SUBGRADE PREPARATION FOR SHARED USE PATH, 6 IN.	3152 SY	\$3.50	\$11,032.00	\$3.75	\$11,820.00	\$6.50	\$20,488.00		
45	SIDEWALK, PCC, 5 IN.	1114 SY	\$65.00	\$72,410.00	\$51.50	\$57,371.00	\$52.50	\$58,485.00		
46	SIDEWALK, PCC, 6 IN.	71 SY	\$110.00	\$7,810.00	\$144.00	\$10,224.00	\$147.00	\$10,437.00		
47	SIDEWALK, PCC, 10 IN.	95 SY	\$140.00	\$13,300.00	\$175.00	\$16,625.00	\$179.00	\$17,005.00		
48	SIDEWALK, PCC, COLORED, 5 IN.	91 SY	\$150.00	\$13,650.00	\$144.00	\$13,104.00	\$147.00	\$13,377.00		
49	SIDEWALK, PCC, COLORED, 6 IN.	102 SY	\$175.00	\$17,850.00	\$150.00	\$15,300.00	\$152.00	\$15,504.00		
50	SIDEWALK, PCC, COLORED, 10 IN.	9 SY	\$200.00	\$0.00	\$206.00	\$1,854.00	\$210.00	\$1,890.00		

Corell Contractor, Inc.
West Des Moines, IA

BID SECURITY
10% Bid Bond

BID PRICE

Concrete Technologies Inc.
Grimes, IA

BID SECURITY
10% Bid Bond

BID PRICE

Jasper Construction Services,
Inc.
Newton, IA

BID SECURITY
10% Bid Bond

BID PRICE

Bid Not Read. Bidder Did Not Use
Part C From Addendum.

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
51	DETECTABLE WARNINGS	355 SF	\$65.00	\$0.00	\$52.00	\$18,460.00	\$53.00	\$18,815.00		
52	DRIVEWAY, PAVED, PCC, 6 IN.	2090 SY	\$75.00	\$0.00	\$75.00	\$156,750.00	\$68.50	\$143,165.00		
53	DRIVEWAY, PAVED, PCC, 7 IN.	126 SY	\$80.00	\$10,080.00	\$85.00	\$10,710.00	\$79.00	\$9,954.00		
54	DRIVEWAY, GRANULAR, CLASS A CRUSHED STONE, 6 IN.	89 TON	\$50.00	\$4,450.00	\$60.00	\$5,340.00	\$54.50	\$4,850.50		
55	FULL DEPTH PATCHES	81 SY	\$300.00	\$24,300.00	\$165.00	\$13,365.00	\$126.00	\$10,206.00		
56	SUBBASE OVER-EXCAVATION FOR PATCHING	55 TON	\$60.00	\$3,300.00	\$70.00	\$3,850.00	\$79.00	\$4,345.00		
57	PAVEMENT REMOVAL	7972 SY	\$18.00	\$143,496.00	\$15.00	\$119,580.00	\$19.00	\$151,468.00		
58	REMOVAL OF CONCRETE MEDIAN	151 SY	\$150.00	\$22,650.00	\$42.00	\$6,342.00	\$21.00	\$3,171.00		
59	TEMPORARY GRANULAR SURFACING	3200 TON	\$26.00	\$83,200.00	\$65.00	\$208,000.00	\$47.50	\$152,000.00		
60	TEMPORARY PAVEMENT, 6 IN.	514 SY	\$65.00	\$33,410.00	\$61.00	\$31,354.00	\$63.00	\$32,382.00		
61	TRAFFIC SIGNALIZATION	1 LS	\$285,000.00	\$285,000.00	\$259,675.00	\$259,675.00	\$264,755.00	\$264,755.00		
62	REMOVAL OF TRAFFIC SIGNALIZATION	1 LS	\$30,000.00	\$30,000.00	\$10,300.00	\$10,300.00	\$10,500.00	\$10,500.00		
63	TRAFFIC SIGNAL INTERCONNECT	1 LS	\$190,000.00	\$190,000.00	\$87,550.00	\$87,550.00	\$89,265.00	\$89,265.00		
64	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	22.8 STA	\$85.00	\$1,938.00	\$110.00	\$2,508.00	\$105.00	\$2,394.00		
65	PAINTED PAVEMENT MARKINGS, DURABLE	0.9 STA	\$250.00	\$225.00	\$500.00	\$450.00	\$475.00	\$427.50		
66	PERMANENT TAPE MARKINGS, REGULAR MARKING TAPE	50.7 STA	\$550.00	\$27,885.00	\$700.00	\$35,490.00	\$655.00	\$33,208.50		
67	PAINTED SYMBOLS AND LEGENDS, DURABLE	4 EA	\$350.00	\$1,400.00	\$165.00	\$660.00	\$160.00	\$640.00		
68	PAVEMENT MARKINGS REMOVED	37.6 STA	\$40.00	\$1,504.00	\$66.00	\$2,481.60	\$63.00	\$2,368.80		
69	SYMBOLS AND LEGENDS REMOVED	4 EA	\$120.00	\$480.00	\$110.00	\$440.00	\$105.00	\$420.00		
70	GROOVES CUT FOR PAVEMENT MARKINGS	50.7 STA	\$150.00	\$7,605.00	\$83.00	\$4,208.10	\$79.00	\$4,005.30		
71	GROOVES CUT FOR SYMBOLS AND LEGENDS	4 EA	\$150.00	\$600.00	\$165.00	\$660.00	\$158.00	\$632.00		
72	TEMPORARY TRAFFIC CONTROL	1 LS	\$85,000.00	\$85,000.00	\$105,350.00	\$105,350.00	\$115,520.00	\$115,520.00		
73	PORTABLE DYNAMIC MESSAGE SIGNS (PDMS)	98 CDAY	\$150.00	\$14,700.00	\$165.00	\$16,170.00	\$105.00	\$10,290.00		
74	REMOVE AND REINSTALL SIGN, AS PER PLAN	1 EA	\$350.00	\$350.00	\$220.00	\$220.00	\$525.00	\$525.00		
75	REMOVAL OF SIGN AND SIGN POST	31 EA	\$150.00	\$4,650.00	\$165.00	\$5,115.00	\$185.00	\$5,735.00		
76	TYPE A SIGNS, SHEET ALUMINUM	175 SF	\$25.00	\$4,375.00	\$44.00	\$7,700.00	\$27.50	\$4,812.50		
77	SIGN POST, PERFORATED SQUARE, STEEL TUBE POST	450 LF	\$25.00	\$11,250.00	\$17.00	\$7,650.00	\$27.50	\$12,375.00		
78	TEMPORARY BARRIER RAIL, CONCRETE	100 LF	\$20.00	\$2,000.00	\$39.00	\$3,900.00	\$105.00	\$10,500.00		
79	FLAGGERS	50 EA	\$555.00	\$27,750.00	\$555.00	\$27,750.00	\$555.00	\$27,750.00		
80	SEEDING AND FERTILIZING FOR HYDRAULIC SEEDING, TYPE 1	1.5 ACRE	\$3,500.00	\$5,250.00	\$2,475.00	\$3,712.50	\$2,365.00	\$3,547.50		
81	WATERING	164 MGAL	\$100.00	\$16,400.00	\$55.00	\$9,020.00	\$52.50	\$8,610.00		
82	SOD	543 SQ	\$100.00	\$54,300.00	\$75.00	\$40,725.00	\$71.50	\$38,824.50		
83	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)	1 LS	\$10,000.00	\$10,000.00	\$5,500.00	\$5,500.00	\$5,250.00	\$5,250.00		
84	FILTER SOCK, 9 IN.	8540 LF	\$2.00	\$17,080.00	\$2.00	\$17,080.00	\$2.00	\$17,080.00		
85	FILTER SOCK, REMOVAL	8540 LF	\$1.00	\$8,540.00	\$0.30	\$2,562.00	\$0.30	\$2,562.00		
86	TEMPORARY ROLLED EROSION CONTROL PRODUCT (RECP), TYPE 2.B.	278 SY	\$5.00	\$1,390.00	\$3.50	\$973.00	\$3.00	\$834.00		
87	RIP RAP, EROSION STONE	4 TON	\$200.00	\$800.00	\$125.00	\$500.00	\$265.00	\$1,060.00		
88	EROSION CONTROL MULCH, HYDROMULCH (BFM)	3 ACRE	\$4,000.00	\$12,000.00	\$4,125.00	\$12,375.00	\$3,940.00	\$11,820.00		
89	INLET PROTECTION DEVICE, ROCK	50 EA	\$250.00	\$12,500.00	\$275.00	\$13,750.00	\$265.00	\$13,250.00		
90	INLET PROTECTION DEVICE, DROP-IN	88 EA	\$250.00	\$22,000.00	\$195.00	\$17,160.00	\$185.00	\$16,280.00		
91	INLET PROTECTION DEVICE, OPEN-THROAT CURB INTAKE SEDIMENT FILTER	1 EA	\$200.00	\$200.00	\$195.00	\$195.00	\$185.00	\$185.00		
92	INLET PROTECTION DEVICE, MAINTENANCE	178 EA	\$50.00	\$8,900.00	\$28.00	\$4,984.00	\$26.50	\$4,717.00		
93	CHAIN LINK FENCE, ZINC-COATED FABRIC, 42 IN.	237 LF	\$60.00	\$14,220.00	\$30.00	\$7,110.00	\$29.00	\$6,873.00		
94	CHAIN LINK FENCE, BLACK VINYL COATED, 42 IN.	261 LF	\$85.00	\$22,185.00	\$49.00	\$12,789.00	\$47.00	\$12,267.00		
95	WOODEN FENCE, 72 IN.	26 LF	\$80.00	\$2,080.00	\$101.00	\$2,626.00	\$96.50	\$2,509.00		
96	REMOVAL OF FENCE	343 LF	\$12.00	\$4,116.00	\$5.50	\$1,886.50	\$5.50	\$1,886.50		
97	MODULAR BLOCK RETAINING WALL	824 SF	\$45.00	\$37,080.00	\$44.00	\$36,256.00	\$42.00	\$34,608.00		
98	SEGMENTAL BLOCK RETAINING WALL	2240 SF	\$60.00	\$134,400.00	\$76.50	\$171,360.00	\$73.00	\$163,520.00		
99	CONCRETE STEPS, TYPE A	42.5 SF	\$110.00	\$4,675.00	\$82.00	\$3,485.00	\$84.00	\$3,570.00		
100	HANDRAIL, GALVANIZED STEEL PIPE, BLACK POWDER COATED	17 LF	\$200.00	\$3,400.00	\$165.00	\$2,805.00	\$265.00	\$4,505.00		
101	TREE PROTECTION FENCE	1460 LF	\$12.00	\$17,520.00	\$3.85	\$5,621.00	\$3.50	\$5,110.00		
102	TREE TRUNK PROTECTION	13 EA	\$500.00	\$6,500.00	\$330.00	\$4,290.00	\$315.00	\$4,095.00		
103	TREE AND SHRUB TRIMMING	5 EA	\$500.00	\$2,500.00	\$2,200.00	\$11,000.00	\$2,100.00	\$10,500.00		
104	MOWING	3 ACRE	\$600.00	\$1,800.00	\$1,100.00	\$3,300.00	\$1,050.00	\$3,150.00		
105	MOBILIZATION	1 LS	\$237,461.00	\$237,461.00	\$633,770.00	\$633,770.00	\$550,000.00	\$550,000.00		
106	MAINTENANCE OF POSTAL SERVICE	1 LS	\$20,000.00	\$20,000.00	\$3,300.00	\$3,300.00	\$8,640.00	\$8,640.00		
107	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$20,000.00	\$20,000.00	\$50,000.00	\$50,000.00	\$14,500.00	\$14,500.00		
108	REMOVE, SALVAGE, AND REINSTALL MAILBOX	1 LS	\$25,000.00	\$25,000.00	\$29,700.00	\$29,700.00	\$11,100.00	\$11,100.00		
109	CONCRETE WASHOUT	1 LS	\$10,000.00	\$10,000.00	\$5,850.00	\$5,850.00	\$5,900.00	\$5,900.00		
	DIVISION 1, TOTAL			\$4,900,000.00		\$5,326,135.70		\$5,478,789.10		\$0.00
DIVISION 2, TOTAL										
201	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	2200 TON	\$35.00	\$77,000.00	\$46.00	\$101,200.00	\$80.00	\$176,000.00		

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
202	WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), 4-INCH	24 LF	\$90.00	\$2,160.00	\$275.00	\$6,600.00	\$142.00	\$3,408.00		
203	WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), 8-INCH	390 LF	\$100.00	\$39,000.00	\$165.00	\$64,350.00	\$160.00	\$62,400.00		
204	WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), 12-INCH	2391 LF	\$110.00	\$263,010.00	\$170.00	\$406,470.00	\$192.00	\$459,072.00		
205	FITTINGS BY WEIGHT, DUCTILE IRON (DI), ALL FITTINGS	2778 LB	\$14.00	\$38,892.00	\$15.00	\$41,670.00	\$18.00	\$50,004.00		
206	WATER SERVICE TRANSFER, COPPER, 1 IN., SAME SIDE	20 EA	\$2,000.00	\$40,000.00	\$3,500.00	\$70,000.00	\$3,780.00	\$75,600.00		
207	WATER SERVICE TRANSFER, COPPER, 2 IN., SAME SIDE	3 EA	\$2,250.00	\$6,750.00	\$5,800.00	\$17,400.00	\$4,725.00	\$14,175.00		
208	WATER SERVICE TRANSFER, COPPER, 1 IN., OPPOSITE SIDE	21 EA	\$3,000.00	\$63,000.00	\$8,000.00	\$168,000.00	\$4,725.00	\$99,225.00		
209	WATER MAIN REMOVAL	864 LF	\$20.00	\$17,280.00	\$40.00	\$34,560.00	\$31.50	\$27,216.00		
210	VALVE, GATE, DUCTILE IRON (DI), 8-INCH	7 EA	\$2,200.00	\$15,400.00	\$2,300.00	\$16,100.00	\$3,100.00	\$21,700.00		
211	VALVE, GATE, DUCTILE IRON (DI), 12-INCH	7 EA	\$3,600.00	\$25,200.00	\$4,000.00	\$28,000.00	\$4,800.00	\$33,600.00		
212	TAPPING VALVE ASSEMBLY, 12-INCH	1 EA	\$7,300.00	\$7,300.00	\$15,500.00	\$15,500.00	\$12,600.00	\$12,600.00		
213	FIRE HYDRANT ASSEMBLY	7 EA	\$6,600.00	\$46,200.00	\$7,250.00	\$50,750.00	\$8,640.00	\$60,480.00		
214	FLUSHING DEVICE (BLOWOFF), 6-INCH	1 EA	\$2,000.00	\$2,000.00	\$3,300.00	\$3,300.00	\$8,640.00	\$8,640.00		
215	VALVE BOX EXTENSION	1 EA	\$600.00	\$600.00	\$575.00	\$575.00	\$1,315.00	\$1,315.00		
216	FIRE HYDRANT ADJUSTMENT	1 EA	\$2,500.00	\$2,500.00	\$2,550.00	\$2,550.00	\$1,900.00	\$1,900.00		
217	FIRE HYDRANT ASSEMBLY REMOVAL	6 EA	\$1,800.00	\$10,800.00	\$3,000.00	\$18,000.00	\$1,050.00	\$6,300.00		
218	STA 99+91.32 (SW 9TH) TEE/VALVE REMOVAL WITH DIP NIGHT INSTALLATION	1 LS	\$4,158.00	\$4,158.00	\$21,500.00	\$21,500.00	\$26,255.00	\$26,255.00		
219	FULL DEPTH PATCHES	264 SY	\$300.00	\$79,200.00	\$155.00	\$40,920.00	\$120.00	\$31,680.00		
220	TEMPORARY GRANULAR SURFACING, 6 IN.	220 TON	\$26.00	\$5,720.00	\$66.00	\$14,520.00	\$47.50	\$10,450.00		
221	TEMPORARY BARRIER RAIL, CONCRETE	325 LF	\$20.00	\$6,500.00	\$40.00	\$13,000.00	\$26.50	\$8,612.50		
222	FLAGGERS	6 EA	\$555.00	\$3,330.00	\$555.00	\$3,330.00	\$555.00	\$3,330.00		
DIVISION 2, TOTAL				\$756,000.00		\$1,138,295.00		\$1,193,962.50		\$0.00
TOTAL CONSTRUCTION COST (DIVISION 1 + DIVISION 2)				\$5,656,000.00		\$6,464,430.70		\$6,672,751.60		\$0.00
PERCENT OF ENGINEER'S ESTIMATE						+14.29%		+17.98%		-100.00%