

DATE June 11, 2018

ORDERING CONSTRUCTION OF
HUBBELL AVENUE RECONSTRUCTION FROM EUCLID TO EAST OF E 38TH STREET
AND FIXING A DATE FOR RECEIVING OF BIDS ON JUNE 26, 2018
AND PUBLIC HEARING ON JULY 9, 2018
ENGINEER'S ESTIMATE IS \$10,000,000.00

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:

Hubbell Avenue Reconstruction from Euclid to east of E 38th Street, 06-2018-002
CS-TSF-1945(836)--85-77, NHSN-006-4(169)--2R-77, UST-006-4(180)--4A-77

The improvement includes reconstruction of Hubbell Avenue with 9.5-inch thick full-depth Portland Cement Concrete (PCC), together with pavement removals, subbase placement, traffic signal construction, Hot-Mix Asphalt (HMA) paving, and installation of water main, raised medians, storm sewer, subdrain, driveways, sidewalks, retaining walls, sodding, and miscellaneous associated work including cleanup; in accordance with the contract documents, including Plan File Nos. 595-079/480, on Hubbell Avenue and intersecting sideroads from E. Euclid Avenue to 900 feet east of E. 38th Street, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$10,000,000.00. 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 July 9, 2018, 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 June 26, 2018, 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 June 26, 2018, 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

7D

DATE June 11, 2018

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

(City Council Communication Number 18-300 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE





Kathleen Vanderpool
Deputy City Attorney

Robert L. Fagen
Des Moines Finance Director

SLN Funding Source: 2018-2019 CIP, Page Street – 20, Hubbell Avenue Improvements - E. 33rd Street to E. 38th Street, ST259, Being:

\$400,000 (maximum) in Urban-State Traffic Engineering Program (U-STEP) funds being 80% eligible construction costs under UST-006-4(180)--4A-77; \$500,000 (maximum) in Iowa DOT Traffic Safety Funds under CS-TSF-1945(836)--85-77; \$4,000,000 in Iowa DOT Program Funds under NHSN-006-4(180)--2R-77; \$736,919 in Storm Water Utility Funds, SM057; \$1,000,000 in G.O. Bonds, and \$2,795,681 G. O. Bonds to be issued; and the remaining \$567,400 from the Des Moines Water Works

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
COLEMAN				
GATTO				
GRAY				
MANDELBAUM				
WESTERGAARD				
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

7D

CONSTRUCTION ESTIMATEDEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWAActivity ID 06-2018-002
IDOT Project No: NHSN-006-4(180)--4A-77
Date: 05/23/2018**PROJECT: HUBBELL AVENUE RECONSTRUCTION FROM E. EUCLID AVENUE
TO EAST OF E. 38TH STREET**

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1	CLEARING AND GRUBBING	UNIT	305.1	\$50.00	\$15,255.00
2	EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED	CY	7595	\$20.00	\$151,900.00
3	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	11860	\$16.00	\$189,760.00
4	EXCAVATION, CLASS 10, WASTE	CY	21720	\$18.00	\$390,960.00
5	TOPSOIL, FURNISH AND SPREAD	CY	2213	\$25.00	\$55,325.00
6	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	2492	\$10.00	\$24,920.00
7	COMPACTION WITH MOISTURE AND DENSITY CONTROL	CY	17170	\$2.00	\$34,340.00
8	SPECIAL COMPACTION OF SUBGRADE	STA	96.7	\$1,200.00	\$116,040.00
9	SUBGRADE STABILIZATION, POLYMER GRID	SY	8000	\$5.00	\$40,000.00
10	MODIFIED SUBBASE	CY	11684	\$50.00	\$584,200.00
11	MINERAL STABILIZING AGENT (FLY ASH)	TON	810	\$120.00	\$97,200.00
12	GRANULAR SHOULDERS, TYPE A	TON	140	\$30.00	\$4,200.00
13	SHOULDER FINISHING, EARTH	STA	110.3	\$250.00	\$27,575.00
14	RELOCATION OF MAIL BOXES	EACH	13	\$500.00	\$6,500.00
15	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DUR., 8 IN.	SY	8071	\$65.00	\$524,615.00
16	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DUR., 9.5 IN.	SY	25696	\$70.00	\$1,798,720.00
17	MEDIAN, P.C. CONCRETE, 6 IN.	SY	2194	\$100.00	\$219,400.00
18	HMA MIXTURE, COMMERCIAL MIX (INCLUDES ASPHALT BINDER), AS PER PLAN	TON	147	\$110.00	\$16,170.00
19	TEMPORARY PAVEMENT	SY	3067	\$45.00	\$138,015.00
20	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	150	\$35.00	\$5,250.00
21	REMOVAL OF CONCRETE FOOTINGS OF LIGHT POLES	EACH	11	\$1,000.00	\$11,000.00
22	REMOVAL OF EXISTING STRUCTURES	LS	1	\$25,000.00	\$25,000.00
23	REMOVAL OF LIGHT POLES	EACH	5	\$500.00	\$2,500.00
24	GRANULAR BACKFILL	TON	580	\$30.00	\$17,400.00
25	APRON, CONCRETE, 15 IN. DIA.	EACH	1	\$2,000.00	\$2,000.00
26	APRON, CONCRETE, 36 IN. DIA.	EACH	1	\$3,000.00	\$3,000.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
27	APRON, CONCRETE, 42 IN. DIA.	EACH	1	\$3,500.00	\$3,500.00
28	APRON, CONCRETE, 72 IN. DIA.	EACH	1	\$5,500.00	\$5,500.00
29	MODULAR BLOCK RETAINING WALL	SF	659	\$40.00	\$26,360.00
30	SEGMENTAL BLOCK RETAINING WALL	SF	2442	\$45.00	\$109,890.00
31	MANHOLE, SANITARY SEWER, SW-301, 48 IN.	EACH	1	\$6,000.00	\$6,000.00
32	MANHOLE, STORM SEWER, SW-401, 48 IN.	EACH	4	\$4,500.00	\$18,000.00
33	MANHOLE, STORM SEWER, SW-401, 60 IN.	EACH	7	\$7,500.00	\$52,500.00
34	MANHOLE, STORM SEWER, SW-401, 72 IN.	EACH	3	\$8,000.00	\$24,000.00
35	MANHOLE, STORM SEWER, SW-403 MODIFIED	EACH	1	\$9,000.00	\$9,000.00
36	MANHOLE, STORM SEWER, SW-405	EACH	2	\$6,000.00	\$12,000.00
37	INTAKE, SW-501	EACH	14	\$3,500.00	\$49,000.00
38	INTAKE, SW-502, 48 IN.	EACH	5	\$4,000.00	\$20,000.00
39	INTAKE, SW-502, 72 IN.	EACH	2	\$7,500.00	\$15,000.00
40	INTAKE, SW-502, 84 IN.	EACH	1	\$10,000.00	\$10,000.00
41	INTAKE, SW-503	EACH	9	\$5,500.00	\$49,500.00
42	INTAKE, SW-503, MODIFIED	EACH	4	\$6,500.00	\$26,000.00
43	INTAKE, SW-505	EACH	6	\$5,500.00	\$33,000.00
44	INTAKE, SW-506	EACH	9	\$8,500.00	\$76,500.00
45	INTAKE, SW-506, MODIFIED	EACH	2	\$10,000.00	\$20,000.00
46	INTAKE, SW-507	EACH	1	\$6,500.00	\$6,500.00
47	INTAKE, SW-507, TOP ONLY	EACH	1	\$3,000.00	\$3,000.00
48	INTAKE, SW-510	EACH	1	\$6,000.00	\$6,000.00
49	INTAKE, SW-512, 24 IN.	EACH	4	\$2,000.00	\$8,000.00
50	INTAKE, SW-513	EACH	1	\$5,000.00	\$5,000.00
51	MANHOLE ADJUSTMENT, MINOR	EACH	11	\$1,500.00	\$16,500.00
52	MANHOLE ADJUSTMENT, MAJOR	EACH	13	\$4,500.00	\$58,500.00
53	CONNECTION TO EXISTING INTAKE	EACH	1	\$5,000.00	\$5,000.00
54	CONTINUOUS TRENCH DRAIN (500-20)	LF	27	\$200.00	\$5,400.00
55	SUBDRAIN, PVC, STANDARD, PERFORATED, 6 IN.	LF	10494	\$16.00	\$167,904.00
56	SUBDRAIN RISER, 6 IN., AS PER PLAN	EACH	31	\$600.00	\$18,600.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
57	SUBDRAIN OUTLET, DR-303	EACH	108	\$250.00	\$27,000.00
58	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 12 IN.	LF	6	\$125.00	\$750.00
59	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 24 IN.	LF	834	\$100.00	\$83,400.00
60	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 30 IN.	LF	1272	\$110.00	\$139,920.00
61	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 36 IN.	LF	427	\$130.00	\$55,510.00
62	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 42 IN.	LF	104	\$175.00	\$18,200.00
63	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 48 IN.	LF	20	\$200.00	\$4,000.00
64	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 54 IN.	LF	161	\$225.00	\$36,225.00
65	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 66 IN.	LF	421	\$275.00	\$115,775.00
66	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 72 IN.	LF	178	\$325.00	\$57,850.00
67	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 3750D (CLASS V), 15 IN.	LF	2041	\$60.00	\$122,460.00
68	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 3750D (CLASS V), 18 IN.	LF	701	\$70.00	\$49,070.00
69	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	3814	\$45.00	\$171,630.00
70	REMOVE STORM SEWER PIPE GREATER THAN 36 IN.	LF	57	\$55.00	\$3,135.00
71	STORM SEWER ABANDONMENT, FILL AND PLUG, LESS THAN OR EQUAL TO 36 IN. DIA.	LF	184	\$50.00	\$9,200.00
72	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 10 IN.	LF	32	\$200.00	\$6,400.00
73	SANITARY SEWER SERVICE STUB, PVC, 4 IN.	LF	20	\$150.00	\$3,000.00
74	REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36 IN. DIA.	LF	32	\$35.00	\$1,120.00
75	ENGINEERING FABRIC	SY	843	\$4.00	\$3,372.00
76	REVTMENT, CLASS E	TON	925	\$75.00	\$69,375.00
77	EROSION STONE	TON	376	\$50.00	\$18,800.00
78	REMOVAL OF PAVEMENT	SY	42186	\$7.00	\$295,302.00
79	REMOVAL OF INTAKES AND UTILITY ACCESSES	EACH	40	\$1,000.00	\$40,000.00
80	RECREATIONAL TRAIL, PCC, 6 IN.	SY	2144	\$40.00	\$85,760.00
81	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	STA	24	\$350.00	\$8,400.00
82	REMOVAL OF SIDEWALK	SY	2250	\$7.00	\$15,750.00
83	SIDEWALK, PCC, 5 IN.	SY	2877	\$45.00	\$129,465.00
84	SIDEWALK, PCC, 6 IN.	SY	276	\$60.00	\$16,560.00
85	DETECTABLE WARNINGS	SF	570	\$45.00	\$25,650.00
86	CURB AND GUTTER, PCC, 2.5 FT	LF	823	\$50.00	\$41,150.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
87	DRIVEWAY, PCC, 6 IN.	SY	1435	\$55.00	\$78,925.00
88	DRIVEWAY, PCC, 7 IN.	SY	985	\$60.00	\$59,100.00
89	DRIVEWAY, PCC, 8 IN.	SY	1536	\$65.00	\$99,840.00
90	REMOVAL OF PAVED DRIVEWAY	SY	6124	\$10.00	\$61,240.00
91	SAFETY CLOSURE	EACH	63	\$100.00	\$6,300.00
92	FENCE, CHAIN LINK, 42 IN. HEIGHT	LF	458	\$55.00	\$25,190.00
93	FENCE, CHAIN LINK, 48 IN. HEIGHT	LF	85	\$50.00	\$4,250.00
94	FENCE, CHAIN LINK, 60 IN. HEIGHT	LF	405	\$55.00	\$22,275.00
95	FENCE, CHAIN LINK, 72 IN. HEIGHT	LF	386	\$60.00	\$23,160.00
96	GATE ASSEMBLY, CHAIN LINK, 16 FT.	EACH	1	\$2,000.00	\$2,000.00
97	REMOVAL AND REINSTALLATION OF FENCE	LF	9	\$120.00	\$1,080.00
98	REMOVAL OF FENCE, CHAIN LINK	LF	1381	\$5.00	\$6,905.00
99	REMOVE AND REINSTALL LIGHT POLE AND LUMINAIRE	EACH	5	\$5,000.00	\$25,000.00
100	PERFORATED SQUARE STEEL TUBE POSTS	LF	664	\$10.00	\$6,640.00
101	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EACH	43	\$100.00	\$4,300.00
102	PERFORATE SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRETE INSTALLATION	EACH	13	\$200.00	\$2,600.00
103	SIGN MOUNTING BRACKETS, SPECIAL	EACH	6	\$150.00	\$900.00
104	TYPE A SIGNS, SHEET ALUMINUM	SF	442.4	\$15.00	\$6,636.00
105	TRAFFIC SIGNALIZATION	LS	1	\$525,000.00	\$525,000.00
106	REMOVAL OF TRAFFIC SIGNALIZATION	LS	1	\$25,000.00	\$25,000.00
107	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	285.32	\$60.00	\$17,119.20
108	PAINTED PAVEMENT MARKINGS, DURABLE	STA	142.64	\$120.00	\$17,116.80
109	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	STA	59.02	\$150.00	\$8,853.00
110	PAINTED SYMBOLS AND LEGENDS, DURABLE	EACH	19	\$150.00	\$2,850.00
111	PAVEMENT MARKINGS REMOVED	STA	175	\$60.00	\$10,500.00
112	SYMBOLS AND LEGEND REMOVED	EACH	4	\$100.00	\$400.00
113	GROOVES CUT FOR PAVEMENT MARKINGS	STA	142.64	\$50.00	\$7,132.00
114	GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	19	\$100.00	\$1,900.00
115	TEMPORARY TRAFFIC SIGNALS	EACH	3	\$15,000.00	\$45,000.00
116	TRAFFIC CONTROL	LS	1	\$150,000.00	\$150,000.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
117	FLAGGERS	EACH	50	\$462.00	\$23,100.00
118	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDAY	150	\$100.00	\$15,000.00
119	MOBILIZATION	LS	1	\$406,375.00	\$406,375.00
120	EMERGENT GRASS SEEDING	ACRE	0.1	\$5,000.00	\$500.00
121	SEEDING AND FERTILIZING (SLOPES AND DITCHES)	ACRE	0.2	\$3,400.00	\$680.00
122	WET MEADOW GRASS SEEDING	ACRE	0.6	\$2,000.00	\$1,200.00
123	UNIFORMED POLICE OFFICER	EACH	20	\$550.00	\$11,000.00
124	MANHOLE, STORM SEWER, SW-401, 108 IN.	EACH	1	\$20,000.00	\$20,000.00
125	INTAKE, SW-506 MODIFIED 2, 6 FT X 6 FT	EACH	2	\$12,500.00	\$25,000.00
126	INTAKE, SW-506 MODIFIED 3, 8 FT X 8 FT	EACH	2	\$15,000.00	\$30,000.00
127	TREE TRUNK PROTECTION	EACH	5	\$250.00	\$1,250.00
128	TEMPORARY STORM SEWER CONNECTION	EACH	7	\$3,500.00	\$24,500.00
129	SEWER PIPE SUPPORT OVER EXISTING UTILITY	EACH	2	\$2,000.00	\$4,000.00
130	REMOVAL OF FIRE HYDRANT ASSEMBLY	EACH	5	\$1,000.00	\$5,000.00
131	1" WATER SERVICE, LONG	EACH	1	\$4,000.00	\$4,000.00
132	YARD HYDRANT, 1"	EACH	1	\$1,500.00	\$1,500.00
133	BOLLARD, STEEL	EACH	2	\$500.00	\$1,000.00
134	VACUUM ISLAND, TYPE A	EACH	2	\$5,500.00	\$11,000.00
135	VACUUM ISLAND, TYPE B	EACH	1	\$4,500.00	\$4,500.00
136	8" BEND	EACH	16	\$1,000.00	\$16,000.00
137	8" SOLID SLEEVE	EACH	2	\$500.00	\$1,000.00
138	8" CAP/PLUG	EACH	3	\$2,000.00	\$6,000.00
139	12" BEND	EACH	9	\$1,500.00	\$13,500.00
140	12" CAP/PLUG	EACH	4	\$2,500.00	\$10,000.00
141	12" x 8" REDUCER	EACH	2	\$800.00	\$1,600.00
142	8" x 8" TEE	EACH	2	\$1,600.00	\$3,200.00
143	12" x 8" TEE	EACH	3	\$1,800.00	\$5,400.00
144	12" x 12" TEE	EACH	2	\$2,000.00	\$4,000.00
145	8" GATE VALVE	EACH	5	\$2,500.00	\$12,500.00
146	12" GATE VALVE	EACH	4	\$4,000.00	\$16,000.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
147	HYDRANT ASSEMBLY	EACH	10	\$6,000.00	\$60,000.00
148	HYDRANT BY-PASS ASSEMBLY	EACH	1	\$10,000.00	\$10,000.00
149	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE	EACH	4	\$3,000.00	\$12,000.00
150	NEW 1" WATER SERVICE OPPOSITE SIDE	EACH	4	\$2,500.00	\$10,000.00
151	NEW 1" WATER SERVICE SAME SIDE	EACH	12	\$2,000.00	\$24,000.00
152	8" PIPE ISOLATION COUPLING	EACH	1	\$900.00	\$900.00
153	8" SERVICE TRANSFER STA. 80+03 (DW.10)	EACH	1	\$8,000.00	\$8,000.00
154	32LB MAGNESIUM ANODES	EACH	30	\$400.00	\$12,000.00
155	CATHODIC PROTECTION TEST STATION	EACH	2	\$500.00	\$1,000.00
156	8" WATER MAIN ALTERATION	EACH	1	\$15,000.00	\$15,000.00
157	HYDRANT RELOCATION - 8" WATER MAIN	EACH	1	\$10,000.00	\$10,000.00
158	PVC CONDUIT, SCH 40, 1-INCH DIAMETER	LF	275	\$12.00	\$3,300.00
159	SPEED BUMP	LF	35	\$75.00	\$2,625.00
160	HANDRAIL	LF	15	\$250.00	\$3,750.00
161	REMOVAL OF WATER MAIN	LF	2572	\$15.00	\$38,580.00
162	TREE PROTECTION FENCE	LF	500	\$50.00	\$25,000.00
163	8" CLASS 52 DUCTILE IRON PIPE	LF	275	\$90.00	\$24,750.00
164	12" CLASS 52 DUCTILE IRON PIPE	LF	1245	\$110.00	\$136,950.00
165	8" CLASS 52 DUCTILE IRON PIPE RESTRAINED JOINT	LF	190	\$120.00	\$22,800.00
166	12" CLASS 52 DUCTILE IRON PIPE RESTRAINED JOINT	LF	365	\$150.00	\$54,750.00
167	8" C900 DR18 POLYVINYL CHLORIDE PIPE	LF	305	\$80.00	\$24,400.00
168	12" C900 DR18 POLYVINYL CHLORIDE PIPE	LF	385	\$90.00	\$34,650.00
169	8" C900 DR18 PVC RESTRAINED JOINT	LF	95	\$100.00	\$9,500.00
170	16" C900 PVC CASING PIPE	LF	45	\$150.00	\$6,750.00
171	FIBER OPTIC INTERCONNECT	LS	1	\$225,000.00	\$225,000.00
172	STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MANAGEMENT	LS	1	\$10,000.00	\$10,000.00
173	TEMPORARY BUSINESS ACCESS SIGN	SF	120	\$10.00	\$1,200.00
174	CONCRETE STEPS	SF	60	\$50.00	\$3,000.00
175	BUS SHELTER PAD, REINFORCED P.C. CONCRETE, 6 IN.	SY	22	\$150.00	\$3,300.00
176	SINGLE-REINFORCED PC CONCRETE, 7-INCH	SY	107	\$150.00	\$16,050.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
177	RAISED CROSS WALK	SY	66	\$90.00	\$5,940.00
178	TEMPORARY GRANULAR SURFACING	TON	1600	\$40.00	\$64,000.00
179	FOUNDATION ROCK/PIPE STABILIZATION MATERIAL	TON	25	\$30.00	\$750.00
180	MULCHING, BONDED FIBER MATRIX	ACRE	17.6	\$1,500.00	\$26,400.00
181	NATIVE GRASS SEEDING	ACRE	1.4	\$2,500.00	\$3,500.00
182	SEEDING AND FERTILIZING (URBAN)	ACRE	6	\$2,500.00	\$15,000.00
183	SLOPE PROTECTION, WOOD EXCELSIOR MAT	SQ	275	\$20.00	\$5,500.00
184	SODDING	SQ	175	\$100.00	\$17,500.00
185	SILT FENCE	LF	5000	\$2.00	\$10,000.00
186	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	5000	\$0.50	\$2,500.00
187	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	5000	\$0.50	\$2,500.00
188	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	14000	\$3.50	\$49,000.00
189	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA.	LF	200	\$4.00	\$800.00
190	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	14200	\$0.50	\$7,100.00
191	OPEN-THROAT CURB INTAKE SEDIMENT FILTER	LF	64	\$15.00	\$960.00
192	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	6	\$25.00	\$150.00
193	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	6	\$25.00	\$150.00
194	GRATE INTAKE SEDIMENT FILTER BAG	EACH	90	\$200.00	\$18,000.00
195	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	90	\$25.00	\$2,250.00
196	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	90	\$25.00	\$2,250.00
197	MOBILIZATIONS, EROSION CONTROL	EACH	4	\$500.00	\$2,000.00
198	MOBILIZATION, EMERGENCY EROSION CONTROL	EACH	1	\$1,000.00	\$1,000.00
199	TREES, FURNISHED AND INSTALLED (WITH WARRANTY)	EACH	13	\$450.00	\$5,850.00

Prepared By: Brett Lewis

Checked By: _____

TOTAL CONSTRUCTION COST \$10,000,000.00