



Roll Call Number

Agenda Item Number

37

DATE April 5, 2021

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON WESTERN INGERSOLL RUN SEWER SEPARATION PHASE 1; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS MPS ENGINEERS, P.C. DBA KINGSTON SERVICES, P.C., UMESH G. SHETYE, PRESIDENT, \$9,341,501.10

WHEREAS, on February 22, 2021, under Roll Call No. 21-0250, 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:

Western Ingersoll Run Sewer Separation Phase 1, 072019006

The improvement includes Reinforced Concrete Pipe (RCP) storm sewer 12-inch to 60-inch, subdrain, sanitary service services, water services, water main alterations, fire hydrants, storm sewer manholes, storm sewer intakes, Hot Mix Asphalt (HMA) pavement, Portland Cement Concrete (PCC) curb and gutter, PCC sidewalks, PCC driveways, earthwork, pavement markings, landscaping, erosion control, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 622-001/360, located on Ingersoll Avenue from 35th to 41st Street, Pleasant Street from 41st Street to 39th Street, Woodland Avenue from 42nd Street to just east of the 38th Street, 35th Street from Ingersoll Avenue to north of the Walgreens access, 36th Street from 200 feet south of Ingersoll to 200 feet north of Ingersoll, 37th Street from Ingersoll Avenue to 400 feet north of Ingersoll, 38th Street from Ingersoll Avenue to Woodland Avenue, 39th Street from Woodland Avenue to Pleasant Street, all in 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 here by approved.

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



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MPS Engineers, P.C. dba Kingston Services, P.C., Des Moines, IA
S. M. Hentges & Sons Inc., Jordan, MN
Synergy Contracting, LLC, Bondurant, IA
Minturn, Inc., Brooklyn, IA
Jasper Construction Services, Inc., Newton, IA
Raccoon Valley Contractors, LLC., Waukee, 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 March 9, 2021. 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 MPS Engineers, P.C. dba Kingston Services, P.C., Umesh G. Shetye, President, 1444 Illinois Street, Des Moines, IA, 50314 in the amount of \$9,341,501.10, 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 in accordance with the Instructions to Bidders.



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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 road closures for the Project. **(Council Communication No. 21-160)**

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

s/Kathleen Vanderpool

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

SLN Funding Source: 2021-2022 CIP, Page Sanitary - 94, Western Ingersoll Run Sewer Separation, SS139, Being: \$8,774,767.10 in SRF funding issued and the remaining \$566,734 from Des Moines Water Works

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

I, P. Kay Cmelik, 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

TABULATED BY: L. Vaughan APPROVED BY R. DeBroot

CHECKED BY: [Signature]

CONTRACTOR'S BID TABULATION
PROJECT: WESTERN INGERSOLL RUN SEWER SEPARATION PHASE I

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE		MPS Engineers, PC dba Kingston Services, PC Des Moines, IA		S.M. Hentges & Sons, Inc. Jordan, MN		Synergy Contracting, LLC Altoona, IA	
			UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1.0	CLEARING & GRUBBING	1,008.1 UNIT	\$120.00	\$120,972.00	\$76.00	\$76,615.60	\$115.00	\$115,931.50	\$60.00	\$60,486.00
2.0	TREE TRIMMING	10 EA	\$1,000.00	\$10,000.00	\$750.00	\$7,500.00	\$255.00	\$2,550.00	\$1,190.00	\$11,900.00
3.0	TOPSOIL, OFF SITE	2,500 CY	\$35.00	\$87,500.00	\$35.00	\$87,500.00	\$39.00	\$97,500.00	\$28.00	\$70,000.00
4.0	EXCAVATION, CLASS 10, ROADWAY AND BORROW	1,824 CY	\$25.00	\$45,600.00	\$25.00	\$45,600.00	\$9.50	\$17,328.00	\$21.00	\$38,304.00
5.0	EXCAVATION, CLASS 10, WASTE	2,073 CY	\$30.00	\$62,190.00	\$25.00	\$51,825.00	\$10.50	\$21,766.50	\$28.00	\$58,044.00
6.0	EXCAVATION, CLASS 10, PAVEMENT SECTION	1,683 CY	\$35.00	\$58,905.00	\$25.00	\$42,075.00	\$19.50	\$32,818.50	\$28.00	\$47,124.00
7.0	BELOW GRADE EXCAVATION, CORE OUT	1,200 CY	\$40.00	\$48,000.00	\$40.00	\$48,000.00	\$35.50	\$42,600.00	\$28.00	\$33,600.00
8.0	SUBGRADE PREPARATION, 6 IN.	747 SY	\$6.00	\$4,482.00	\$5.00	\$3,735.00	\$3.00	\$2,241.00	\$3.00	\$2,241.00
9.0	SUBGRADE PREPARATION, 12 IN.	23,082 SY	\$6.00	\$138,492.00	\$6.00	\$138,492.00	\$7.65	\$176,577.30	\$5.00	\$115,410.00
10.0	SUBGRADE STABILIZATION MATERIAL, CONCRETE	200 TON	\$150.00	\$30,000.00	\$205.00	\$41,000.00	\$250.00	\$50,000.00	\$280.00	\$56,000.00
11.0	SUBGRADE TREATMENT, GEOGRID, TYPE 2	3,028 SY	\$5.00	\$15,140.00	\$4.25	\$12,869.00	\$3.60	\$10,900.80	\$4.00	\$12,112.00
12.0	SUBGRADE TREATMENT, GEOGRID, TRIANGULAR	13,800 SY	\$7.00	\$96,600.00	\$7.85	\$108,330.00	\$6.75	\$93,150.00	\$7.50	\$103,500.00
13.0	SUBBASE, MODIFIED	5,700 CY	\$65.00	\$370,500.00	\$67.50	\$384,750.00	\$58.50	\$333,450.00	\$63.00	\$359,100.00
14.0	REMOVALS, AS PER PLAN	1 LS	\$5,000.00	\$5,000.00	\$4,800.00	\$4,800.00	\$320,000.00	\$320,000.00	\$14,000.00	\$14,000.00
15.0	STEEL RAIL TRACK REMOVAL	5,996 LF	\$45.00	\$269,820.00	\$12.75	\$76,449.00	\$9.15	\$54,863.40	\$28.00	\$167,888.00
16.0	TRENCH BACKFILL, STORAGE AGGREGATE	1,461 CY	\$45.00	\$65,745.00	\$69.00	\$100,809.00	\$89.50	\$130,759.50	\$70.00	\$102,270.00
17.0	TRENCH BACKFILL, MANUFACTURED SAND	20,000 TON	\$35.00	\$700,000.00	\$10.50	\$210,000.00	\$22.00	\$440,000.00	\$35.00	\$700,000.00
18.0	NON-PERMEABLE BARRIER, TRENCH LINING	300 SY	\$50.00	\$15,000.00	\$12.00	\$3,600.00	\$47.50	\$14,250.00	\$21.00	\$6,300.00
19.0	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 10 IN.	60 LF	\$150.00	\$9,000.00	\$156.00	\$9,360.00	\$195.00	\$11,700.00	\$182.00	\$10,920.00
20.0	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 12 IN.	561 LF	\$150.00	\$84,150.00	\$224.00	\$125,664.00	\$182.00	\$102,102.00	\$168.00	\$94,248.00
21.0	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 30 IN.	400 LF	\$250.00	\$100,000.00	\$225.00	\$90,000.00	\$214.00	\$85,600.00	\$245.00	\$98,000.00
22.0	SANITARY SEWER SERVICE, PVC, 4 IN.	80 LF	\$125.00	\$10,000.00	\$142.00	\$11,360.00	\$128.00	\$10,240.00	\$287.00	\$22,960.00
23.0	SANITARY SEWER SERVICE, REMOVE AND REPLACE	6 EA	\$2,500.00	\$15,000.00	\$5,000.00	\$30,000.00	\$2,200.00	\$13,200.00	\$5,180.00	\$31,080.00
24.0	REMOVAL OF SANITARY SEWER EQUAL TO OR LESS THAN 36 IN.	1,101 LF	\$45.00	\$49,545.00	\$16.00	\$17,616.00	\$40.00	\$44,040.00	\$28.00	\$30,828.00
25.0	STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN.	1,159 LF	\$160.00	\$185,440.00	\$142.00	\$164,578.00	\$103.00	\$119,377.00	\$98.00	\$113,582.00
26.0	STORM SEWER, TRENCHED, RCP, CLASS III, 30 IN.	1,206 LF	\$165.00	\$198,990.00	\$156.00	\$188,136.00	\$116.00	\$139,896.00	\$119.00	\$143,514.00
27.0	STORM SEWER, TRENCHED, RCP, CLASS III, 36 IN.	448 LF	\$185.00	\$82,880.00	\$172.00	\$77,056.00	\$148.00	\$66,304.00	\$147.00	\$65,856.00
28.0	STORM SEWER, TRENCHED, RCP, CLASS III, 42 IN.	1,080 LF	\$250.00	\$270,000.00	\$196.00	\$211,680.00	\$198.00	\$213,840.00	\$175.00	\$189,000.00
29.0	STORM SEWER, TRENCHED, RCP, CLASS III, 48 IN.	41 LF	\$400.00	\$16,400.00	\$254.00	\$10,414.00	\$297.00	\$12,177.00	\$231.00	\$9,471.00
30.0	STORM SEWER, TRENCHED, RCP, CLASS III, 60 IN.	850 LF	\$300.00	\$255,000.00	\$284.00	\$241,400.00	\$272.00	\$231,200.00	\$280.00	\$238,000.00
31.0	STORM SEWER, TRENCHED, RCP, CLASS IV, 60 IN.	475 LF	\$340.00	\$161,500.00	\$298.00	\$141,550.00	\$318.00	\$151,050.00	\$301.00	\$142,975.00
32.0	STORM SEWER, TRENCHED, RCP, CLASS V, 15 IN.	1,912 LF	\$130.00	\$248,560.00	\$126.00	\$240,912.00	\$93.00	\$177,816.00	\$77.00	\$147,224.00
33.0	STORM SEWER, TRENCHED, RCP, CLASS V, 18 IN.	206 LF	\$150.00	\$30,900.00	\$140.00	\$28,840.00	\$95.00	\$19,570.00	\$84.00	\$17,304.00
34.0	STORM SEWER, TRENCHED, RCAP, CLASS A-III, 51X31 IN.	107 LF	\$300.00	\$32,100.00	\$254.00	\$27,178.00	\$288.00	\$30,816.00	\$308.00	\$32,956.00
35.0	STORM SEWER, TRENCHED, RCAP, CLASS A-III, 73X45 IN.	619 LF	\$370.00	\$229,030.00	\$298.00	\$184,462.00	\$338.00	\$209,222.00	\$476.00	\$294,644.00
36.0	STORM SEWER, TRENCHED, PVC, SOLID WALL, 10 IN.	12 LF	\$100.00	\$1,200.00	\$100.00	\$1,200.00	\$136.00	\$1,632.00	\$196.00	\$2,352.00
37.0	STORM SEWER, TRENCHED, HDPE, PERFORATED, 42 IN.	365 LF	\$175.00	\$63,875.00	\$100.00	\$36,500.00	\$146.00	\$53,290.00	\$154.00	\$56,210.00
38.0	STORM SEWER, TRENCHED, HDPE, PERFORATED, 48 IN.	404 LF	\$250.00	\$101,000.00	\$132.00	\$53,328.00	\$160.00	\$64,640.00	\$189.00	\$76,356.00
39.0	REMOVAL OF STORM SEWER LESS THAN OR EQUAL TO 36 IN.	679 LF	\$35.00	\$23,765.00	\$36.00	\$24,444.00	\$30.50	\$20,709.50	\$28.00	\$19,012.00
40.0	STORM SEWER ABANDONMENT, FILL AND PLUG	59 LF	\$55.00	\$3,245.00	\$62.00	\$3,658.00	\$70.00	\$4,130.00	\$42.00	\$2,478.00
41.0	SUBDRAIN, PVC, CASE B, 6 IN.	4,424 LF	\$20.00	\$88,480.00	\$24.00	\$106,176.00	\$17.50	\$77,420.00	\$15.00	\$66,360.00
42.0	SUBDRAIN, PVC, CASE C, MODIFIED, 6 IN.	2,289 LF	\$25.00	\$57,225.00	\$29.00	\$66,381.00	\$19.00	\$43,491.00	\$15.00	\$34,335.00
43.0	SUBDRAIN, CONNECTION TO STRUCTURE	66 EA	\$250.00	\$16,500.00	\$300.00	\$19,800.00	\$250.00	\$16,500.00	\$630.00	\$41,580.00
44.0	TEMPORARY STORM SEWER CONNECTION	1 EA	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$2,800.00	\$2,800.00	\$4,900.00	\$4,900.00
45.0	WATER SERVICE REPLACEMENT, LESS THAN OR EQUAL TO 2"	20 EA	\$5,000.00	\$100,000.00	\$4,275.00	\$85,500.00	\$1,900.00	\$38,000.00	\$6,160.00	\$123,200.00
46.0	WATER SERVICE REPLACEMENT, GREATER THAN 2"	5 EA	\$13,000.00	\$65,000.00	\$12,000.00	\$60,000.00	\$2,950.00	\$14,750.00	\$9,660.00	\$48,300.00
47.0	WATER SERVICE TAP	25 EA	\$1,500.00	\$37,500.00	\$1,500.00	\$37,500.00	\$1,450.00	\$36,250.00	\$1,680.00	\$42,000.00
48.0	MANHOLE, STORM SEWER, SW-401, 48 IN.	5 EA	\$5,000.00	\$25,000.00	\$4,200.00	\$21,000.00	\$3,575.00	\$17,875.00	\$5,040.00	\$25,200.00
49.0	MANHOLE, STORM SEWER, SW-401, 60 IN.	8 EA	\$6,500.00	\$52,000.00	\$6,200.00	\$49,600.00	\$5,550.00	\$44,400.00	\$6,860.00	\$54,880.00
50.0	MANHOLE, STORM SEWER, SW-401, 72 IN.	3 EA	\$8,000.00	\$24,000.00	\$7,400.00	\$22,200.00	\$6,200.00	\$18,600.00	\$8,120.00	\$24,360.00

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51.0	MANHOLE, STORM SEWER, SW-401, 96 IN.	2 EA	\$15,000.00	\$30,000.00	\$17,450.00	\$34,900.00	\$16,400.00	\$32,800.00	\$18,200.00	\$36,400.00
52.0	MANHOLE, STORM SEWER, SW-402 (9'x4')	2 EA	\$20,000.00	\$40,000.00	\$17,775.00	\$35,550.00	\$12,700.00	\$25,400.00	\$30,135.00	\$60,270.00
53.0	MANHOLE, STORM SEWER, SW-402 (9'x6')	1 EA	\$25,000.00	\$25,000.00	\$22,275.00	\$22,275.00	\$14,100.00	\$14,100.00	\$31,535.00	\$31,535.00
54.0	MANHOLE, STORM SEWER, SW-403 (9'x4')	3 EA	\$25,000.00	\$75,000.00	\$22,275.00	\$66,825.00	\$13,400.00	\$40,200.00	\$32,935.00	\$98,805.00
55.0	MANHOLE, STORM SEWER, SW-403 (9'x6')	1 EA	\$30,000.00	\$30,000.00	\$25,775.00	\$25,775.00	\$14,500.00	\$14,500.00	\$37,135.00	\$37,135.00
56.0	MANHOLE, STORM SEWER, SW-403 (9'x9')	1 EA	\$40,000.00	\$40,000.00	\$31,275.00	\$31,275.00	\$15,250.00	\$15,250.00	\$42,735.00	\$42,735.00
57.0	MANHOLE, STORM SEWER, SW-404 MODIFIED (9'x9')	1 EA	\$45,000.00	\$45,000.00	\$63,325.00	\$63,325.00	\$8,400.00	\$8,400.00	\$91,735.00	\$91,735.00
58.0	MANHOLE, STORM SEWER, SW-405, (60 IN. RCP)	6 EA	\$4,000.00	\$24,000.00	\$4,000.00	\$24,000.00	\$7,700.00	\$46,200.00	\$10,920.00	\$65,520.00
59.0	INTAKE, SINGLE GRATE, SW-501	24 EA	\$5,000.00	\$120,000.00	\$5,550.00	\$133,200.00	\$7,100.00	\$170,400.00	\$7,630.00	\$183,120.00
60.0	INTAKE, CIRCULAR SINGLE GRATE INTAKE, SW-502, 72 IN.	1 EA	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$5,700.00	\$5,700.00	\$7,980.00	\$7,980.00
61.0	INTAKE, SINGLE GRATE WITH MANHOLE, SW-503	4 EA	\$7,000.00	\$28,000.00	\$8,220.00	\$32,880.00	\$8,600.00	\$34,400.00	\$8,750.00	\$35,000.00
62.0	INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD. 1	3 EA	\$8,000.00	\$24,000.00	\$11,100.00	\$33,300.00	\$9,700.00	\$29,100.00	\$9,730.00	\$29,190.00
63.0	INTAKE, DOUBLE GRATE, SW-505	38 EA	\$8,000.00	\$304,000.00	\$8,250.00	\$313,500.00	\$8,900.00	\$338,200.00	\$8,890.00	\$337,820.00
64.0	INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506	9 EA	\$10,000.00	\$90,000.00	\$10,300.00	\$92,700.00	\$12,400.00	\$111,600.00	\$10,780.00	\$97,020.00
65.0	INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD. 1	4 EA	\$15,000.00	\$60,000.00	\$17,875.00	\$71,500.00	\$14,100.00	\$56,400.00	\$14,560.00	\$58,240.00
66.0	INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD. 2	2 EA	\$15,000.00	\$30,000.00	\$19,125.00	\$38,250.00	\$16,800.00	\$33,600.00	\$14,560.00	\$29,120.00
67.0	INTAKE, CIRCULAR AREA, SW-512, 24 IN.	1 EA	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$2,750.00	\$2,750.00	\$2,870.00	\$2,870.00
68.0	MANHOLE ADJUSTMENT, MINOR	17 EA	\$2,000.00	\$34,000.00	\$2,000.00	\$34,000.00	\$1,650.00	\$28,050.00	\$2,660.00	\$45,220.00
69.0	MANHOLE ADJUSTMENT, MAJOR	2 EA	\$5,000.00	\$10,000.00	\$5,000.00	\$10,000.00	\$3,925.00	\$7,850.00	\$4,760.00	\$9,520.00
70.0	REMOVE MANHOLE OR INTAKE	33 EA	\$1,000.00	\$33,000.00	\$1,000.00	\$33,000.00	\$310.00	\$10,230.00	\$420.00	\$13,860.00
71.0	PAVEMENT, PCC, CLASS C, CLASS 3 DUR., 8 IN.	595 SY	\$80.00	\$47,600.00	\$80.00	\$47,600.00	\$71.40	\$42,483.00	\$98.00	\$58,310.00
72.0	PAVEMENT, PCC, CLASS C, CLASS 3 DUR., 9 IN.	128 SY	\$115.00	\$14,720.00	\$115.00	\$14,720.00	\$102.00	\$13,058.00	\$105.00	\$13,440.00
73.0	CURB & GUTTER, 2.5', PCC, 6"	7,129 LF	\$35.00	\$249,515.00	\$35.00	\$249,515.00	\$28.55	\$203,532.95	\$25.00	\$178,225.00
74.0	CURB & GUTTER, 2.5', PCC, 9"	1,066 LF	\$45.00	\$47,970.00	\$45.00	\$47,970.00	\$32.65	\$34,804.90	\$56.00	\$59,696.00
75.0	PAVEMENT, PCC, 2.0' BAND, 9"	1,670 LF	\$30.00	\$50,100.00	\$30.00	\$50,100.00	\$15.30	\$25,551.00	\$49.00	\$81,830.00
76.0	PAVEMENT, HMA, HT BASE, 1" MIX, PG 58-28 S	1,407 TON	\$100.00	\$140,700.00	\$66.00	\$92,862.00	\$67.30	\$94,691.10	\$86.00	\$121,002.00
77.0	PAVEMENT, HMA, ST BASE, 3/4" MIX, PG 58-28 S	1,460 TON	\$100.00	\$146,000.00	\$66.00	\$96,360.00	\$67.30	\$98,258.00	\$86.00	\$125,560.00
78.0	PAVEMENT, HMA, HT INTERMEDIATE, 3/4" MIX, PG 58-28 S	704 TON	\$110.00	\$77,440.00	\$76.00	\$53,504.00	\$77.50	\$54,560.00	\$80.00	\$56,320.00
79.0	PAVEMENT, HMA, HT SURFACE, 1/2" MIX, NO FRIC., PG 58-28 H	1,158 TON	\$110.00	\$127,380.00	\$74.00	\$85,692.00	\$75.50	\$87,429.00	\$80.00	\$92,640.00
80.0	PAVEMENT, HMA, ST SURFACE, 1/2" MIX, NO FRIC., PG 58-28 H	1,635 TON	\$100.00	\$163,500.00	\$74.00	\$120,990.00	\$75.50	\$123,442.50	\$80.00	\$130,800.00
81.0	REMOVAL OF SIDEWALK, SHARED USE PATH, OR DRIVEWAY	3,910 SY	\$10.00	\$39,100.00	\$10.00	\$39,100.00	\$5.00	\$19,550.00	\$14.00	\$54,740.00
82.0	SIDEWALK, PCC, 4 IN.	666 SY	\$50.00	\$33,300.00	\$54.00	\$35,964.00	\$52.00	\$34,632.00	\$63.00	\$41,958.00
83.0	SIDEWALK, PCC, 5 IN.	622 SY	\$60.00	\$37,320.00	\$64.00	\$39,808.00	\$61.00	\$37,942.00	\$70.00	\$43,540.00
84.0	SIDEWALK, PCC, CLASS A, 6 IN.	508 SY	\$100.00	\$50,800.00	\$94.00	\$47,752.00	\$55.00	\$27,940.00	\$77.00	\$39,116.00
85.0	SIDEWALK, PCC, ADA RAMP, 6 IN.	748 SY	\$75.00	\$56,100.00	\$94.00	\$70,312.00	\$57.00	\$42,636.00	\$105.00	\$78,540.00
86.0	BIKE PATH, PCC, INTEGRAL COLOR, 6 IN.	1,454 SY	\$130.00	\$189,020.00	\$132.00	\$191,928.00	\$95.00	\$138,130.00	\$119.00	\$173,026.00
87.0	DETECTABLE WARNING	1,040 SF	\$45.00	\$46,800.00	\$45.00	\$46,800.00	\$33.00	\$34,320.00	\$56.00	\$58,240.00
88.0	SIDEWALK PAVERS, REMOVE, SALVAGE, AND REINSTALL	10 SY	\$100.00	\$1,000.00	\$100.00	\$1,000.00	\$546.00	\$5,460.00	\$280.00	\$2,800.00
89.0	DRIVEWAY, PAVED, PCC, 6 IN.	760 SY	\$50.00	\$38,000.00	\$56.00	\$42,560.00	\$74.00	\$56,240.00	\$77.00	\$58,520.00
90.0	DRIVEWAY, PAVED, PCC, 7 IN.	1,220 SY	\$65.00	\$79,300.00	\$68.00	\$82,960.00	\$99.00	\$120,780.00	\$84.00	\$102,480.00
91.0	MILLING	2,337 SY	\$10.00	\$23,370.00	\$5.10	\$11,918.70	\$5.20	\$12,152.40	\$7.00	\$16,359.00
92.0	PAVEMENT REMOVAL	23,082 SY	\$15.00	\$346,230.00	\$15.00	\$346,230.00	\$5.25	\$121,180.50	\$21.00	\$484,722.00
93.0	CURB AND GUTTER REMOVAL	1,337 LF	\$15.00	\$20,055.00	\$15.00	\$20,055.00	\$2.65	\$3,543.05	\$21.00	\$28,077.00
94.0	UNDERDRAIN, PVC, 6 IN.	1,274 LF	\$20.00	\$25,480.00	\$24.00	\$30,576.00	\$17.50	\$22,295.00	\$20.00	\$25,480.00
95.0	STORAGE AGGREGATE, PERMEABLE PAVER SECTION	1,932 CY	\$50.00	\$96,600.00	\$56.00	\$108,192.00	\$74.00	\$142,968.00	\$60.00	\$115,920.00
96.0	FILTER AGGREGATE	245 CY	\$50.00	\$12,250.00	\$56.00	\$13,720.00	\$75.00	\$18,375.00	\$60.00	\$14,700.00
97.0	PERMEABLE INTERLOCKING PAVERS, ROADWAY	915 SY	\$60.00	\$54,900.00	\$57.00	\$52,155.00	\$58.00	\$53,070.00	\$63.00	\$57,645.00
98.0	PERMEABLE INTERLOCKING PAVERS, PARKING	529 SY	\$65.00	\$34,385.00	\$55.00	\$29,095.00	\$72.00	\$38,088.00	\$70.00	\$37,030.00
99.0	EDGE RESTRAINT, ROADWAY, PCC, 6 IN.	768 SY	\$70.00	\$53,760.00	\$70.00	\$53,760.00	\$66.50	\$51,072.00	\$70.00	\$53,760.00
100.0	TEMPORARY PAVEMENT	500 SY	\$65.00	\$32,500.00	\$31.50	\$15,750.00	\$32.00	\$16,000.00	\$63.00	\$31,500.00
101.0	TEMPORARY TRAFFIC SIGNALS	1 LS	\$5,000.00	\$5,000.00	\$5,100.00	\$5,100.00	\$5,550.00	\$5,550.00	\$5,100.00	\$5,100.00
102.0	REMOVE SIGNS, TYPE A	4 EA	\$50.00	\$200.00	\$250.00	\$1,000.00	\$175.00	\$700.00	\$175.00	\$700.00
103.0	REMOVE & REINSTALL SIGN, TYPE A	42 EA	\$100.00	\$4,200.00	\$225.00	\$9,450.00	\$385.00	\$16,170.00	\$375.00	\$15,750.00
104.0	TYPE A SIGN ASSEMBLY	9 EA	\$400.00	\$3,600.00	\$75.00	\$675.00	\$435.00	\$3,915.00	\$425.00	\$3,825.00
105.0	PORTABLE DYNAMIC MESSAGE BOARDS	100 CDAY	\$150.00	\$15,000.00	\$75.00	\$7,500.00	\$102.00	\$10,200.00	\$100.00	\$10,000.00
106.0	SAFETY FENCE	500 LF	\$5.00	\$2,500.00	\$5.00	\$2,500.00	\$7.65	\$3,825.00	\$10.00	\$5,000.00
107.0	PAINTED PAVEMENT MARKINGS, WATERBORNE	162 STA	\$60.00	\$9,720.00	\$100.00	\$16,200.00	\$56.10	\$9,088.20	\$55.00	\$8,910.00
108.0	PAINTED PAVEMENT MARKINGS, DURABLE, EXPOXY	173.65 STA	\$80.00	\$13,892.00	\$130.00	\$22,574.50	\$86.70	\$15,055.46	\$85.00	\$14,760.25
109.0	PAINTED PAVEMENT MARKINGS, METHYL METHACRYLATE (MMA)	8.88 STA	\$150.00	\$1,332.00	\$600.00	\$5,328.00	\$383.00	\$3,401.04	\$375.00	\$3,330.00
110.0	WET, RETROREFLECTIVE REMOVABLE TAPE MARKINGS	33 STA	\$110.00	\$3,630.00	\$125.00	\$4,125.00	\$148.00	\$4,884.00	\$145.00	\$4,785.00
111.0	PAINTED SYMBOLS AND LEGENDS	70 EA	\$150.00	\$10,500.00	\$450.00	\$31,500.00	\$230.00	\$16,100.00	\$225.00	\$15,750.00
112.0	PAVEMENT MARKINGS REMOVED	135.80 STA	\$30.00	\$4,074.00	\$65.00	\$8,827.00	\$56.00	\$7,604.80	\$55.00	\$7,469.00

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
113.0	SYMBOLS AND LEGENDS REMOVED	71 EA	\$150.00	\$10,650.00	\$100.00	\$7,100.00	\$128.00	\$9,088.00	\$125.00	\$8,875.00
114.0	TRAFFIC CONTROL	1 LS	\$100,000.00	\$100,000.00	\$92,500.00	\$92,500.00	\$51,000.00	\$51,000.00	\$50,000.00	\$50,000.00
115.0	TEMPORARY BUSINESS ACCESS SIGNS	200 SF	\$30.00	\$6,000.00	\$15.00	\$3,000.00	\$26.00	\$5,200.00	\$25.00	\$5,000.00
116.0	INDUCTIVE LOOP VEHICLE DETECTOR REPLACEMENT	1 LS	\$15,000.00	\$15,000.00	\$18,000.00	\$18,000.00	\$18,360.00	\$18,360.00	\$18,000.00	\$18,000.00
117.0	TEMPORARY BARRIER RAIL (CONCRETE)	250 LF	\$35.00	\$8,750.00	\$30.00	\$7,500.00	\$35.75	\$8,937.50	\$35.00	\$8,750.00
118.0	HYDRAULIC SEEDING, TYPE 4 (URBAN TEMPORARY EROSION CONTROL MIXTURE)	2.5 AC	\$5,000.00	\$12,500.00	\$575.00	\$1,437.50	\$587.00	\$1,467.50	\$3,920.00	\$9,800.00
119.0	SOD	918 SQ	\$100.00	\$91,800.00	\$64.00	\$58,752.00	\$65.00	\$59,670.00	\$84.00	\$77,112.00
120.0	SWPPP PREPARATION AND MANAGEMENT	1 LS	\$10,000.00	\$10,000.00	\$5,750.00	\$5,750.00	\$5,865.00	\$5,865.00	\$4,900.00	\$4,900.00
121.0	FILTER SOCKS, 12 IN.	8,500 LF	\$3.00	\$25,500.00	\$2.60	\$22,100.00	\$2.65	\$22,525.00	\$3.00	\$25,500.00
122.0	FILTER SOCKS, REMOVAL	8,500 LF	\$1.00	\$8,500.00	\$0.35	\$2,975.00	\$0.35	\$2,975.00	\$1.00	\$8,500.00
123.0	SILT FENCE	500 LF	\$3.00	\$1,500.00	\$2.00	\$1,000.00	\$2.05	\$1,025.00	\$3.00	\$1,500.00
124.0	EROSION CONTROL MULCHING, HYDROMULCHING	2.5 AC	\$4,000.00	\$10,000.00	\$2,000.00	\$5,000.00	\$2,050.00	\$5,125.00	\$3,500.00	\$8,750.00
125.0	INLET PROTECTION DEVICE	88 EA	\$200.00	\$17,600.00	\$145.00	\$12,760.00	\$148.00	\$13,024.00	\$140.00	\$12,320.00
126.0	INLET PROTECTION DEVICE, MAINTENANCE	176 EA	\$50.00	\$8,800.00	\$15.00	\$2,640.00	\$16.00	\$2,816.00	\$14.00	\$2,464.00
127.0	REMOVAL AND REINSTALLATION OF EXISTING FENCE	157 LF	\$75.00	\$11,775.00	\$66.00	\$10,362.00	\$43.00	\$6,751.00	\$56.00	\$8,792.00
128.0	TREE PROTECTION FENCE	912 LF	\$7.50	\$6,840.00	\$2.90	\$2,644.80	\$3.00	\$2,736.00	\$7.00	\$6,384.00
129.0	TREE TRUNK PROTECTION	34 EA	\$350.00	\$11,900.00	\$200.00	\$6,800.00	\$205.00	\$6,970.00	\$140.00	\$4,760.00
130.0	PLANTER WALL, REMOVE AND RECONSTRUCT	153 LF	\$100.00	\$15,300.00	\$100.00	\$15,300.00	\$240.00	\$36,720.00	\$140.00	\$21,420.00
131.0	PLANTER WALL RAIL, REMOVE AND REPLACE	192 LF	\$150.00	\$28,800.00	\$146.00	\$28,032.00	\$149.00	\$28,608.00	\$91.00	\$17,472.00
132.0	REMOVE AND REINSTALL STREETSCAPE FURNITURE	1 LS	\$2,000.00	\$2,000.00	\$3,600.00	\$3,600.00	\$16,200.00	\$16,200.00	\$4,200.00	\$4,200.00
133.0	CONSTRUCTION SURVEY	1 LS	\$80,000.00	\$80,000.00	\$73,200.00	\$73,200.00	\$65,000.00	\$65,000.00	\$70,000.00	\$70,000.00
134.0	MOBILIZATION	1 LS	\$849,628.50	\$849,628.50	\$1,166,888.00	\$1,166,888.00	\$1,305,000.00	\$1,305,000.00	\$471,000.00	\$471,000.00
135.0	MAINTENANCE OF POSTAL SERVICE	1 LS	\$5,000.00	\$5,000.00	\$4,800.00	\$4,800.00	\$25,000.00	\$25,000.00	\$10,500.00	\$10,500.00
136.0	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$10,000.00	\$10,000.00	\$16,000.00	\$16,000.00	\$25,000.00	\$25,000.00	\$14,000.00	\$14,000.00
137.0	CONCRETE WASHOUT	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00	\$7,000.00	\$7,000.00
138.0	CONNECTION TO 6"x6" RCB CULVERT	1 LS	\$7,500.00	\$7,500.00	\$7,200.00	\$7,200.00	\$14,800.00	\$14,800.00	\$10,500.00	\$10,500.00
200.0	WATER MAIN, TRENCHED, DUCTILE IRON (DI), RESTRAINED JOINT, 6 IN.	10 LF	\$70.00	\$700.00	\$70.00	\$700.00	\$150.00	\$1,500.00	\$189.00	\$1,890.00
201.0	WATER MAIN, TRENCHED, DUCTILE IRON (DI), RESTRAINED JOINT, 8 IN.	980 LF	\$120.00	\$117,600.00	\$120.00	\$117,600.00	\$155.00	\$151,900.00	\$196.00	\$192,080.00
202.0	WATER MAIN, TRENCHED, DUCTILE IRON (DI), RESTRAINED JOINT, 12 IN.	680 LF	\$165.00	\$112,200.00	\$165.00	\$112,200.00	\$185.00	\$125,800.00	\$238.00	\$161,840.00
203.0	WATER MAIN W/ CASING PIPE, TRENCHED, 8 IN. DUCTILE IRON (DI), RESTRAINED JOINT, 16 IN. PVC CASING, WITH CASING CHOCKS	120 LF	\$195.00	\$23,400.00	\$195.00	\$23,400.00	\$410.00	\$49,200.00	\$448.00	\$53,760.00
204.0	WATER MAIN W/ CASING PIPE, TRENCHED, 12 IN. DUCTILE IRON (DI), RESTRAINED JOINT, 24 IN. PVC CASING, WITH CASING CHOCKS	20 LF	\$225.00	\$4,500.00	\$985.00	\$19,700.00	\$810.00	\$16,200.00	\$504.00	\$10,080.00
205.0	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE	4 EA	\$6,500.00	\$26,000.00	\$7,600.00	\$30,400.00	\$590.00	\$2,360.00	\$4,900.00	\$19,600.00
206.0	FITTINGS BY WEIGHT, DUCTILE IRON	13,305 LB	\$4.50	\$59,872.50	\$9.00	\$119,745.00	\$16.00	\$212,880.00	\$14.00	\$186,270.00
207.0	VALVE, GATE, DIP, 8 IN.	5 EA	\$2,100.00	\$10,500.00	\$2,100.00	\$10,500.00	\$1,750.00	\$8,750.00	\$2,380.00	\$11,900.00
208.0	VALVE, GATE, DIP, 12 IN.	1 EA	\$3,250.00	\$3,250.00	\$3,250.00	\$3,250.00	\$2,750.00	\$2,750.00	\$3,640.00	\$3,640.00
209.0	FIRE HYDRANT ASSEMBLY	4 EA	\$7,000.00	\$28,000.00	\$7,000.00	\$28,000.00	\$5,800.00	\$23,200.00	\$8,330.00	\$33,320.00
210.0	1" WATER SERVICE TRANSFER (OPPOSITE SIDE)	2 EA	\$4,000.00	\$8,000.00	\$4,000.00	\$8,000.00	\$1,600.00	\$3,200.00	\$5,635.00	\$11,270.00
211.0	1" WATER SERVICE TRANSFER (SAME SIDE)	4 EA	\$2,200.00	\$8,800.00	\$2,200.00	\$8,800.00	\$1,500.00	\$6,000.00	\$1,960.00	\$7,840.00
212.0	1" WATER SERVICE TRANSFER AT 3812 WOODLAND AVENUE	1 EA	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$1,900.00	\$1,900.00	\$8,120.00	\$8,120.00
213.0	32 LB MAGNESIUM ANODE	48 EA	\$650.00	\$31,200.00	\$650.00	\$31,200.00	\$550.00	\$26,400.00	\$420.00	\$20,160.00
214.0	FOUNDATION ROCK	300 TON	\$40.00	\$12,000.00	\$35.00	\$10,500.00	\$36.50	\$10,950.00	\$42.00	\$12,600.00
215.0	FULL DEPTH PATCH, HMA, 9 IN. - DMWW (INGERSOLL AVE & 39TH STREET)	20 SY	\$85.00	\$1,700.00	\$85.00	\$1,700.00	\$76.50	\$1,530.00	\$119.00	\$2,380.00
216.0	PAVEMENT REMOVAL - DMWW	464 SY	\$15.00	\$6,960.00	\$15.00	\$6,960.00	\$9.50	\$4,408.00	\$14.00	\$6,496.00
217.0	PCC PAVEMENT - DMWW (35TH STREET)	165 SY	\$80.00	\$13,200.00	\$80.00	\$13,200.00	\$76.50	\$12,622.50	\$140.00	\$23,100.00
218.0	HMA PAVEMENT - DMWW	147 TON	\$100.00	\$14,700.00	\$75.00	\$8,379.00	\$58.00	\$8,526.00	\$77.00	\$11,319.00
219.0	6" WATER SERVICE TRANSFER	1 EA	\$3,000.00	\$3,000.00	\$8,500.00	\$8,500.00	\$5,600.00	\$5,600.00	\$14,280.00	\$14,280.00
TOTAL CONSTRUCTION COST				\$10,095,000.00		\$9,341,501.10		\$9,375,669.40		\$9,786,258.25
PERCENT OF ENGINEER'S ESTIMATE						-7.46%		-7.13%		-3.06%

TABULATED BY: L. Vaughan APPROVED BY _____

CHECKED BY: _____

CONTRACTOR'S BID TABULATION
PROJECT: WESTERN INGERSOLL RUN SEWER SEPARATION PHASE I

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	ESTIMATE		Minturn, Inc. Brooklyn, IA		Jasper Construction Services, Inc. Newton, IA		Raccoon Valley Contractors, LLC Waukee, IA	
			UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1.0	CLEARING & GRUBBING	1,008.1 UNIT	\$120.00	\$120,972.00	\$80.00	\$80,648.00	\$125.00	\$126,012.50	\$75.00	\$75,607.50
2.0	TREE TRIMMING	10 EA	\$1,000.00	\$10,000.00	\$800.00	\$8,000.00	\$800.00	\$8,000.00	\$750.00	\$7,500.00
3.0	TOPSOIL, OFF SITE	2,500 CY	\$35.00	\$87,500.00	\$53.00	\$132,500.00	\$30.00	\$75,000.00	\$45.00	\$112,500.00
4.0	EXCAVATION, CLASS 10, ROADWAY AND BORROW	1,824 CY	\$25.00	\$45,600.00	\$16.00	\$29,184.00	\$35.00	\$63,840.00	\$15.00	\$27,360.00
5.0	EXCAVATION, CLASS 10, WASTE	2,073 CY	\$30.00	\$62,190.00	\$21.00	\$43,533.00	\$35.00	\$72,555.00	\$20.00	\$41,460.00
6.0	EXCAVATION, CLASS 10, PAVEMENT SECTION	1,683 CY	\$35.00	\$58,905.00	\$21.00	\$35,343.00	\$35.00	\$58,905.00	\$20.00	\$33,660.00
7.0	BELOW GRADE EXCAVATION, CORE OUT	1,200 CY	\$40.00	\$48,000.00	\$16.00	\$19,200.00	\$15.00	\$18,000.00	\$10.00	\$12,000.00
8.0	SUBGRADE PREPARATION, 6 IN.	747 SY	\$6.00	\$4,482.00	\$3.25	\$2,427.75	\$12.00	\$8,964.00	\$3.00	\$2,241.00
9.0	SUBGRADE PREPARATION, 12 IN.	23,082 SY	\$6.00	\$138,492.00	\$4.75	\$109,639.50	\$12.00	\$276,984.00	\$4.50	\$103,869.00
10.0	SUBGRADE STABILIZATION MATERIAL, CONCRETE	200 TON	\$150.00	\$30,000.00	\$350.00	\$70,000.00	\$150.00	\$30,000.00	\$350.00	\$70,000.00
11.0	SUBGRADE TREATMENT, GEOGRID, TYPE 2	3,028 SY	\$5.00	\$15,140.00	\$5.25	\$15,897.00	\$4.00	\$12,112.00	\$5.00	\$15,140.00
12.0	SUBGRADE TREATMENT, GEOGRID, TRIANGULAR	13,800 SY	\$7.00	\$96,600.00	\$8.40	\$115,920.00	\$5.00	\$69,000.00	\$8.00	\$110,400.00
13.0	SUBBASE, MODIFIED	5,700 CY	\$65.00	\$370,500.00	\$65.00	\$370,500.00	\$90.00	\$513,000.00	\$60.00	\$342,000.00
14.0	REMOVALS, AS PER PLAN	1 LS	\$5,000.00	\$5,000.00	\$11,000.00	\$11,000.00	\$25,000.00	\$25,000.00	\$10,000.00	\$10,000.00
15.0	STEEL RAIL TRACK REMOVAL	5,996 LF	\$45.00	\$269,820.00	\$32.00	\$191,872.00	\$30.00	\$179,880.00	\$45.00	\$269,820.00
16.0	TRENCH BACKFILL, STORAGE AGGREGATE	1,461 CY	\$45.00	\$66,745.00	\$90.00	\$131,490.00	\$85.00	\$124,185.00	\$45.00	\$66,745.00
17.0	TRENCH BACKFILL, MANUFACTURED SAND	20,000 TON	\$35.00	\$700,000.00	\$36.00	\$720,000.00	\$20.00	\$400,000.00	\$34.00	\$680,000.00
18.0	NON-PERMEABLE BARRIER, TRENCH LINING	300 SY	\$50.00	\$15,000.00	\$40.00	\$12,000.00	\$40.00	\$12,000.00	\$50.00	\$15,000.00
19.0	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 10 IN.	60 LF	\$150.00	\$9,000.00	\$110.00	\$6,600.00	\$105.00	\$6,300.00	\$378.00	\$22,680.00
20.0	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 12 IN.	561 LF	\$150.00	\$84,150.00	\$155.00	\$86,955.00	\$150.00	\$84,150.00	\$480.00	\$269,280.00
21.0	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 30 IN.	400 LF	\$250.00	\$100,000.00	\$200.00	\$80,000.00	\$195.00	\$78,000.00	\$318.00	\$127,200.00
22.0	SANITARY SEWER SERVICE, PVC, 4 IN.	80 LF	\$125.00	\$10,000.00	\$200.00	\$16,000.00	\$195.00	\$15,600.00	\$179.00	\$14,320.00
23.0	SANITARY SEWER SERVICE, REMOVE AND REPLACE	6 EA	\$2,500.00	\$15,000.00	\$850.00	\$5,100.00	\$800.00	\$4,800.00	\$3,500.00	\$21,000.00
24.0	REMOVAL OF SANITARY SEWER EQUAL TO OR LESS THAN 36 IN.	1,101 LF	\$45.00	\$49,545.00	\$21.00	\$23,121.00	\$20.00	\$22,020.00	\$35.00	\$38,535.00
25.0	STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN.	1,159 LF	\$160.00	\$185,440.00	\$90.00	\$104,310.00	\$90.00	\$104,310.00	\$283.00	\$327,997.00
26.0	STORM SEWER, TRENCHED, RCP, CLASS III, 30 IN.	1,206 LF	\$165.00	\$198,990.00	\$115.00	\$138,690.00	\$115.00	\$138,690.00	\$320.00	\$385,920.00
27.0	STORM SEWER, TRENCHED, RCP, CLASS III, 36 IN.	448 LF	\$185.00	\$82,880.00	\$145.00	\$64,960.00	\$140.00	\$62,720.00	\$373.00	\$167,104.00
28.0	STORM SEWER, TRENCHED, RCP, CLASS III, 42 IN.	1,080 LF	\$250.00	\$270,000.00	\$210.00	\$226,800.00	\$205.00	\$221,400.00	\$422.00	\$455,760.00
29.0	STORM SEWER, TRENCHED, RCP, CLASS III, 48 IN.	41 LF	\$400.00	\$16,400.00	\$255.00	\$10,455.00	\$250.00	\$10,250.00	\$894.00	\$36,654.00
30.0	STORM SEWER, TRENCHED, RCP, CLASS III, 60 IN.	850 LF	\$300.00	\$255,000.00	\$330.00	\$280,500.00	\$315.00	\$267,750.00	\$496.00	\$421,600.00
31.0	STORM SEWER, TRENCHED, RCP, CLASS IV, 60 IN.	475 LF	\$340.00	\$161,500.00	\$360.00	\$171,000.00	\$340.00	\$161,500.00	\$586.00	\$278,350.00
32.0	STORM SEWER, TRENCHED, RCP, CLASS V, 15 IN.	1,912 LF	\$130.00	\$248,560.00	\$75.00	\$143,400.00	\$75.00	\$143,400.00	\$493.00	\$942,616.00
33.0	STORM SEWER, TRENCHED, RCP, CLASS V, 18 IN.	206 LF	\$150.00	\$30,900.00	\$65.00	\$17,510.00	\$85.00	\$17,510.00	\$467.00	\$96,202.00
34.0	STORM SEWER, TRENCHED, RCAP, CLASS A-III, 51X31 IN.	107 LF	\$300.00	\$32,100.00	\$235.00	\$25,145.00	\$225.00	\$24,075.00	\$629.00	\$67,303.00
35.0	STORM SEWER, TRENCHED, RCAP, CLASS A-III, 73X45 IN.	619 LF	\$370.00	\$229,030.00	\$575.00	\$355,925.00	\$545.00	\$337,355.00	\$412.00	\$255,028.00
36.0	STORM SEWER, TRENCHED, PVC, SOLID WALL, 10 IN.	12 LF	\$100.00	\$1,200.00	\$105.00	\$1,260.00	\$100.00	\$1,200.00	\$846.00	\$10,152.00
37.0	STORM SEWER, TRENCHED, HDPE, PERFORATED, 42 IN.	365 LF	\$175.00	\$63,875.00	\$110.00	\$40,150.00	\$110.00	\$40,150.00	\$282.00	\$102,930.00
38.0	STORM SEWER, TRENCHED, HDPE, PERFORATED, 48 IN.	404 LF	\$250.00	\$101,000.00	\$130.00	\$52,520.00	\$130.00	\$52,520.00	\$410.00	\$165,640.00
39.0	REMOVAL OF STORM SEWER LESS THAN OR EQUAL TO 36 IN.	679 LF	\$35.00	\$23,765.00	\$21.00	\$14,259.00	\$20.00	\$13,580.00	\$50.00	\$33,950.00
40.0	STORM SEWER ABANDONMENT, FILL AND PLUG	59 LF	\$55.00	\$3,245.00	\$80.00	\$4,720.00	\$75.00	\$4,425.00	\$55.00	\$3,245.00
41.0	SUBDRAIN, PVC, CASE B, 6 IN.	4,424 LF	\$20.00	\$88,480.00	\$15.00	\$66,360.00	\$15.00	\$66,360.00	\$22.00	\$97,328.00
42.0	SUBDRAIN, PVC, CASE C, MODIFIED, 6 IN.	2,289 LF	\$25.00	\$57,225.00	\$15.00	\$34,335.00	\$15.00	\$34,335.00	\$20.00	\$45,780.00
43.0	SUBDRAIN, CONNECTION TO STRUCTURE	66 EA	\$250.00	\$16,500.00	\$300.00	\$19,800.00	\$285.00	\$18,810.00	\$200.00	\$13,200.00
44.0	TEMPORARY STORM SEWER CONNECTION	1 EA	\$1,500.00	\$1,500.00	\$3,750.00	\$3,750.00	\$3,600.00	\$3,600.00	\$2,000.00	\$2,000.00
45.0	WATER SERVICE REPLACEMENT, LESS THAN OR EQUAL TO 2"	20 EA	\$5,000.00	\$100,000.00	\$3,250.00	\$65,000.00	\$3,000.00	\$60,000.00	\$6,200.00	\$124,000.00
46.0	WATER SERVICE REPLACEMENT, GREATER THAN 2"	5 EA	\$13,000.00	\$65,000.00	\$8,000.00	\$40,000.00	\$7,500.00	\$37,500.00	\$7,200.00	\$36,000.00
47.0	WATER SERVICE TAP	25 EA	\$1,500.00	\$37,500.00	\$3,750.00	\$93,750.00	\$3,500.00	\$87,500.00	\$1,500.00	\$37,500.00
48.0	MANHOLE, STORM SEWER, SW-401, 48 IN.	5 EA	\$5,000.00	\$25,000.00	\$4,750.00	\$23,750.00	\$4,500.00	\$22,500.00	\$3,300.00	\$16,500.00
49.0	MANHOLE, STORM SEWER, SW-401, 60 IN.	8 EA	\$6,500.00	\$52,000.00	\$7,000.00	\$56,000.00	\$6,500.00	\$52,000.00	\$5,000.00	\$40,000.00
50.0	MANHOLE, STORM SEWER, SW-401, 72 IN.	3 EA	\$8,000.00	\$24,000.00	\$8,500.00	\$25,500.00	\$8,000.00	\$24,000.00	\$6,000.00	\$18,000.00

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT						
51.0	MANHOLE, STORM SEWER, SW-401, 96 IN.	2 EA	\$15,000.00	\$30,000.00	\$20,000.00	\$40,000.00	\$19,200.00	\$38,400.00	\$15,000.00	\$30,000.00
52.0	MANHOLE, STORM SEWER, SW-402 (9'x4')	2 EA	\$20,000.00	\$40,000.00	\$20,000.00	\$40,000.00	\$18,000.00	\$36,000.00	\$19,000.00	\$38,000.00
53.0	MANHOLE, STORM SEWER, SW-402 (9'x6')	1 EA	\$25,000.00	\$25,000.00	\$26,000.00	\$26,000.00	\$22,500.00	\$22,500.00	\$24,000.00	\$24,000.00
54.0	MANHOLE, STORM SEWER, SW-403 (9'x4')	3 EA	\$25,000.00	\$75,000.00	\$26,000.00	\$78,000.00	\$21,800.00	\$65,400.00	\$24,000.00	\$72,000.00
55.0	MANHOLE, STORM SEWER, SW-403 (9'x6')	1 EA	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$26,000.00	\$26,000.00	\$28,000.00	\$28,000.00
56.0	MANHOLE, STORM SEWER, SW-403 (9'x9')	1 EA	\$40,000.00	\$40,000.00	\$38,000.00	\$38,000.00	\$32,600.00	\$32,600.00	\$33,000.00	\$33,000.00
57.0	MANHOLE, STORM SEWER, SW-404 MODIFIED (9'x9')	1 EA	\$45,000.00	\$45,000.00	\$60,000.00	\$60,000.00	\$53,300.00	\$53,300.00	\$47,000.00	\$47,000.00
58.0	MANHOLE, STORM SEWER, SW-405, (60 IN. RCP)	6 EA	\$4,000.00	\$24,000.00	\$5,800.00	\$34,800.00	\$5,500.00	\$33,000.00	\$8,000.00	\$48,000.00
59.0	INTAKE, SINGLE GRATE, SW-501	24 EA	\$5,000.00	\$120,000.00	\$5,800.00	\$139,200.00	\$4,950.00	\$118,800.00	\$6,000.00	\$144,000.00
60.0	INTAKE, CIRCULAR SINGLE GRATE INTAKE, SW-502, 72 IN.	1 EA	\$8,000.00	\$8,000.00	\$8,500.00	\$8,500.00	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00
61.0	INTAKE, SINGLE GRATE WITH MANHOLE, SW-503	4 EA	\$7,000.00	\$28,000.00	\$9,500.00	\$38,000.00	\$8,100.00	\$32,400.00	\$9,000.00	\$36,000.00
62.0	INTAKE, SINGLE GRATE WITH MANHOLE, SW-503 MOD. 1	3 EA	\$8,000.00	\$24,000.00	\$12,000.00	\$36,000.00	\$10,000.00	\$30,000.00	\$10,000.00	\$30,000.00
63.0	INTAKE, DOUBLE GRATE, SW-505	38 EA	\$8,000.00	\$304,000.00	\$9,500.00	\$361,000.00	\$7,800.00	\$296,400.00	\$9,000.00	\$342,000.00
64.0	INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506	9 EA	\$10,000.00	\$90,000.00	\$13,000.00	\$117,000.00	\$10,750.00	\$96,750.00	\$10,000.00	\$90,000.00
65.0	INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD. 1	4 EA	\$15,000.00	\$60,000.00	\$18,000.00	\$72,000.00	\$15,550.00	\$62,200.00	\$16,000.00	\$64,000.00
66.0	INTAKE, DOUBLE GRATE WITH MANHOLE, SW-506 MOD. 2	2 EA	\$15,000.00	\$30,000.00	\$19,000.00	\$38,000.00	\$16,300.00	\$32,600.00	\$17,000.00	\$34,000.00
67.0	INTAKE, CIRCULAR AREA, SW-512, 24 IN.	1 EA	\$3,500.00	\$3,500.00	\$3,200.00	\$3,200.00	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00
68.0	MANHOLE ADJUSTMENT, MINOR	17 EA	\$2,000.00	\$34,000.00	\$2,800.00	\$47,600.00	\$2,700.00	\$45,900.00	\$4,000.00	\$68,000.00
69.0	MANHOLE ADJUSTMENT, MAJOR	2 EA	\$5,000.00	\$10,000.00	\$5,000.00	\$10,000.00	\$4,800.00	\$9,600.00	\$8,000.00	\$16,000.00
70.0	REMOVE MANHOLE OR INTAKE	33 EA	\$1,000.00	\$33,000.00	\$1,250.00	\$41,250.00	\$1,200.00	\$39,600.00	\$2,000.00	\$66,000.00
71.0	PAVEMENT, PCC, CLASS C, CLASS 3 DUR., 8 IN.	595 SY	\$80.00	\$47,600.00	\$75.00	\$44,625.00	\$95.00	\$56,325.00	\$94.66	\$56,322.70
72.0	PAVEMENT, PCC, CLASS C, CLASS 3 DUR., 9 IN.	128 SY	\$115.00	\$14,720.00	\$95.00	\$12,160.00	\$100.00	\$12,800.00	\$104.27	\$13,346.56
73.0	CURB & GUTTER, 2.5', PCC, 6"	7,129 LF	\$35.00	\$249,515.00	\$41.00	\$292,289.00	\$40.00	\$285,160.00	\$44.69	\$318,595.01
74.0	CURB & GUTTER, 2.5', PCC, 9"	1,066 LF	\$45.00	\$47,970.00	\$46.50	\$49,569.00	\$42.00	\$44,772.00	\$56.17	\$59,877.22
75.0	PAVEMENT, PCC, 2.0' BAND, 9"	1,670 LF	\$30.00	\$50,100.00	\$32.00	\$53,440.00	\$38.00	\$63,460.00	\$62.10	\$103,707.00
76.0	PAVEMENT, HMA, HT BASE, 1" MIX, PG 58-28 S	1,407 TON	\$100.00	\$140,700.00	\$70.00	\$98,490.00	\$70.00	\$98,490.00	\$72.00	\$101,304.00
77.0	PAVEMENT, HMA, ST BASE, 3/4" MIX, PG 58-28 S	1,460 TON	\$100.00	\$146,000.00	\$70.00	\$102,200.00	\$70.00	\$102,200.00	\$66.00	\$96,360.00
78.0	PAVEMENT, HMA, HT INTERMEDIATE, 3/4" MIX, PG 58-28 S	704 TON	\$110.00	\$77,440.00	\$80.00	\$56,320.00	\$80.00	\$56,320.00	\$76.00	\$53,504.00
79.0	PAVEMENT, HMA, HT SURFACE, 1/2" MIX, NO FRIC., PG 58-28 H	1,158 TON	\$110.00	\$127,380.00	\$78.00	\$90,324.00	\$78.00	\$90,324.00	\$74.00	\$85,692.00
80.0	PAVEMENT, HMA, ST SURFACE, 1/2" MIX, NO FRIC., PG 58-28 H	1,635 TON	\$100.00	\$163,500.00	\$78.00	\$127,530.00	\$78.00	\$127,530.00	\$74.00	\$120,990.00
81.0	REMOVAL OF SIDEWALK, SHARED USE PATH, OR DRIVEWAY	3,910 SY	\$10.00	\$39,100.00	\$13.00	\$50,830.00	\$20.00	\$78,200.00	\$24.00	\$93,840.00
82.0	SIDEWALK, PCC, 4 IN.	666 SY	\$50.00	\$33,300.00	\$82.00	\$54,612.00	\$75.00	\$49,950.00	\$73.92	\$49,230.72
83.0	SIDEWALK, PCC, 5 IN.	622 SY	\$60.00	\$37,320.00	\$85.00	\$52,870.00	\$77.00	\$47,894.00	\$74.93	\$46,606.46
84.0	SIDEWALK, PCC, CLASS A, 6 IN.	508 SY	\$100.00	\$50,800.00	\$120.00	\$60,960.00	\$115.00	\$58,420.00	\$76.70	\$38,963.60
85.0	SIDEWALK, PCC, ADA RAMP, 6 IN.	748 SY	\$75.00	\$56,100.00	\$90.00	\$67,320.00	\$90.00	\$67,320.00	\$102.80	\$76,894.40
86.0	BIKE PATH, PCC, INTEGRAL COLOR, 6 IN.	1,454 SY	\$130.00	\$189,020.00	\$90.00	\$130,860.00	\$135.00	\$198,290.00	\$111.90	\$162,702.60
87.0	DETECTABLE WARNING	1,040 SF	\$45.00	\$46,800.00	\$32.50	\$33,800.00	\$60.00	\$62,400.00	\$45.00	\$46,800.00
88.0	SIDEWALK PAVERS, REMOVE, SALVAGE, AND REINSTALL	10 SY	\$100.00	\$1,000.00	\$400.00	\$4,000.00	\$100.00	\$1,000.00	\$350.00	\$3,500.00
89.0	DRIVEWAY, PAVED, PCC, 6 IN.	760 SY	\$50.00	\$38,000.00	\$90.00	\$68,400.00	\$88.00	\$66,880.00	\$78.00	\$59,280.00
90.0	DRIVEWAY, PAVED, PCC, 7 IN.	1,220 SY	\$65.00	\$79,300.00	\$95.00	\$115,900.00	\$90.00	\$109,800.00	\$80.12	\$97,746.40
91.0	MILLING	2,337 SY	\$10.00	\$23,370.00	\$5.25	\$12,269.25	\$5.50	\$12,853.50	\$5.10	\$11,918.70
92.0	PAVEMENT REMOVAL	23,082 SY	\$15.00	\$346,230.00	\$20.00	\$461,640.00	\$22.00	\$507,804.00	\$18.00	\$415,476.00
93.0	CURB AND GUTTER REMOVAL	1,337 LF	\$15.00	\$20,055.00	\$33.00	\$44,121.00	\$20.00	\$26,740.00	\$30.00	\$40,110.00
94.0	UNDERDRAIN, PVC, 6 IN.	1,274 LF	\$20.00	\$25,480.00	\$5.25	\$6,688.50	\$35.00	\$44,590.00	\$5.00	\$6,370.00
95.0	STORAGE AGGREGATE, PERMEABLE PAVER SECTION	1,932 CY	\$50.00	\$96,600.00	\$72.50	\$140,070.00	\$85.00	\$164,220.00	\$68.00	\$131,376.00
96.0	FILTER AGGREGATE	245 CY	\$50.00	\$12,250.00	\$72.50	\$17,762.50	\$85.00	\$20,825.00	\$68.00	\$16,660.00
97.0	PERMEABLE INTERLOCKING PAVERS, ROADWAY	915 SY	\$60.00	\$54,900.00	\$72.50	\$66,337.50	\$75.00	\$68,625.00	\$55.00	\$50,325.00
98.0	PERMEABLE INTERLOCKING PAVERS, PARKING	529 SY	\$65.00	\$34,385.00	\$72.50	\$38,352.50	\$75.00	\$39,675.00	\$60.00	\$31,740.00
99.0	EDGE RESTRAINT, ROADWAY, PCC, 6 IN.	768 SY	\$70.00	\$53,760.00	\$100.00	\$76,800.00	\$100.00	\$76,800.00	\$72.00	\$55,296.00
100.0	TEMPORARY PAVEMENT	500 SY	\$65.00	\$32,500.00	\$60.00	\$30,000.00	\$50.00	\$25,000.00	\$74.40	\$37,200.00
101.0	TEMPORARY TRAFFIC SIGNALS	1 LS	\$5,000.00	\$5,000.00	\$5,250.00	\$5,250.00	\$8,000.00	\$8,000.00	\$5,100.00	\$5,100.00
102.0	REMOVE SIGNS, TYPE A	4 EA	\$50.00	\$200.00	\$160.00	\$640.00	\$175.00	\$700.00	\$150.00	\$600.00
103.0	REMOVE & REINSTALL SIGN, TYPE A	42 EA	\$100.00	\$4,200.00	\$210.00	\$8,820.00	\$375.00	\$15,750.00	\$200.00	\$8,400.00
104.0	TYPE A SIGN ASSEMBLY	9 EA	\$400.00	\$3,600.00	\$360.00	\$3,240.00	\$425.00	\$3,825.00	\$350.00	\$3,150.00
105.0	PORTABLE DYNAMIC MESSAGE BOARDS	100 CDAY	\$150.00	\$15,000.00	\$105.00	\$10,500.00	\$100.00	\$10,000.00	\$100.00	\$10,000.00
106.0	SAFETY FENCE	500 LF	\$5.00	\$2,500.00	\$8.50	\$4,250.00	\$8.00	\$4,000.00	\$8.00	\$4,000.00
107.0	PAINTED PAVEMENT MARKINGS, WATERBORNE	162 STA	\$60.00	\$9,720.00	\$36.00	\$5,832.00	\$55.00	\$8,910.00	\$35.00	\$5,670.00
108.0	PAINTED PAVEMENT MARKINGS, DURABLE, EXPOXY	173.65 STA	\$60.00	\$10,419.00	\$90.00	\$15,628.50	\$85.00	\$14,760.25	\$88.50	\$15,368.03
109.0	PAINTED PAVEMENT MARKINGS, METHYL METHACRYLATE (MMA)	8.88 STA	\$150.00	\$1,332.00	\$1,250.00	\$11,100.00	\$375.00	\$3,330.00	\$1,200.00	\$10,656.00
110.0	WET, RETROREFLECTIVE REMOVABLE TAPE MARKINGS	33 STA	\$110.00	\$3,630.00	\$155.00	\$5,115.00	\$145.00	\$4,785.00	\$150.00	\$4,950.00
111.0	PAINTED SYMBOLS AND LEGENDS	70 EA	\$150.00	\$10,500.00	\$155.00	\$10,850.00	\$225.00	\$15,750.00	\$145.00	\$10,150.00
112.0	PAVEMENT MARKINGS REMOVED	135.80 STA	\$30.00	\$4,074.00	\$30.00	\$4,074.00	\$55.00	\$7,469.00	\$30.00	\$4,074.00

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
113.0	SYMBOLS AND LEGENDS REMOVED	71 EA	\$150.00	\$10,650.00	\$100.00	\$7,100.00	\$125.00	\$8,875.00	\$100.00	\$7,100.00
114.0	TRAFFIC CONTROL	1 LS	\$100,000.00	\$100,000.00	\$120,000.00	\$120,000.00	\$150,000.00	\$150,000.00	\$86,300.00	\$86,300.00
115.0	TEMPORARY BUSINESS ACCESS SIGNS	200 SF	\$30.00	\$6,000.00	\$44.00	\$8,800.00	\$25.00	\$5,000.00	\$40.00	\$8,000.00
116.0	INDUCTIVE LOOP VEHICLE DETECTOR REPLACEMENT	1 LS	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$18,000.00	\$18,000.00
117.0	TEMPORARY BARRIER RAIL (CONCRETE)	250 LF	\$35.00	\$8,750.00	\$44.00	\$11,000.00	\$35.00	\$8,750.00	\$40.00	\$10,000.00
118.0	HYDRAULIC SEEDING, TYPE 4 (URBAN TEMPORARY EROSION CONTROL MIXTURE)	2.5 AC	\$5,000.00	\$12,500.00	\$575.00	\$1,437.50	\$575.00	\$1,437.50	\$400.00	\$1,000.00
119.0	SOD	918 SQ	\$100.00	\$91,800.00	\$64.00	\$58,752.00	\$59.00	\$54,162.00	\$95.00	\$87,210.00
120.0	SWPPP PREPARATION AND MANAGEMENT	1 LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00	\$6,500.00	\$6,500.00
121.0	FILTER SOCKS, 12 IN.	8,500 LF	\$3.00	\$25,500.00	\$2.60	\$22,100.00	\$1.75	\$14,875.00	\$2.25	\$19,125.00
122.0	FILTER SOCKS, REMOVAL	8,500 LF	\$1.00	\$8,500.00	\$0.35	\$2,975.00	\$0.15	\$1,275.00	\$0.30	\$2,550.00
123.0	SILT FENCE	500 LF	\$3.00	\$1,500.00	\$2.00	\$1,000.00	\$2.00	\$1,000.00	\$2.25	\$1,125.00
124.0	EROSION CONTROL MULCHING, HYDROMULCHING	2.5 AC	\$4,000.00	\$10,000.00	\$2,000.00	\$5,000.00	\$2,000.00	\$5,000.00	\$1,600.00	\$4,000.00
125.0	INLET PROTECTION DEVICE	88 EA	\$200.00	\$17,600.00	\$145.00	\$12,760.00	\$200.00	\$17,600.00	\$175.00	\$15,400.00
126.0	INLET PROTECTION DEVICE, MAINTENANCE	176 EA	\$50.00	\$8,800.00	\$15.00	\$2,640.00	\$15.00	\$2,640.00	\$25.00	\$4,400.00
127.0	REMOVAL AND REINSTALLATION OF EXISTING FENCE	157 LF	\$75.00	\$11,775.00	\$70.00	\$10,990.00	\$55.00	\$8,635.00	\$75.00	\$11,775.00
128.0	TREE PROTECTION FENCE	912 LF	\$7.50	\$6,840.00	\$3.00	\$2,736.00	\$2.90	\$2,644.80	\$3.00	\$2,736.00
129.0	TREE TRUNK PROTECTION	34 EA	\$350.00	\$11,900.00	\$210.00	\$7,140.00	\$200.00	\$6,800.00	\$400.00	\$13,600.00
130.0	PLANTER WALL, REMOVE AND RECONSTRUCT	153 LF	\$100.00	\$15,300.00	\$100.00	\$15,300.00	\$100.00	\$15,300.00	\$200.00	\$30,600.00
131.0	PLANTER WALL RAIL, REMOVE AND REPLACE	192 LF	\$150.00	\$28,800.00	\$160.00	\$30,720.00	\$150.00	\$28,800.00	\$200.00	\$38,400.00
132.0	REMOVE AND REINSTALL STREETSCAPE FURNITURE	1 LS	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
133.0	CONSTRUCTION SURVEY	1 LS	\$80,000.00	\$80,000.00	\$80,000.00	\$80,000.00	\$85,000.00	\$85,000.00	\$60,000.00	\$60,000.00
134.0	MOBILIZATION	1 LS	\$849,628.50	\$849,628.50	\$1,000,000.00	\$1,000,000.00	\$1,075,000.00	\$1,075,000.00	\$1,154,397.13	\$1,154,397.13
135.0	MAINTENANCE OF POSTAL SERVICE	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$25,000.00	\$25,000.00	\$5,000.00	\$5,000.00
136.0	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00	\$8,000.00	\$8,000.00
137.0	CONCRETE WASHOUT	1 LS	\$5,000.00	\$5,000.00	\$6,000.00	\$6,000.00	\$25,000.00	\$25,000.00	\$12,600.00	\$12,600.00
138.0	CONNECTION TO 6"x6" RCB CULVERT	1 LS	\$7,500.00	\$7,500.00	\$26,500.00	\$26,500.00	\$125,000.00	\$125,000.00	\$50,000.00	\$50,000.00
200.0	WATER MAIN, TRENCHED, DUCTILE IRON (DI), RESTRAINED JOINT, 6 IN.	10 LF	\$70.00	\$700.00	\$75.00	\$750.00	\$75.00	\$750.00	\$610.00	\$6,100.00
201.0	WATER MAIN, TRENCHED, DUCTILE IRON (DI), RESTRAINED JOINT, 8 IN.	980 LF	\$120.00	\$117,600.00	\$80.00	\$78,400.00	\$80.00	\$78,400.00	\$419.60	\$411,208.00
202.0	WATER MAIN, TRENCHED, DUCTILE IRON (DI), RESTRAINED JOINT, 12 IN.	680 LF	\$165.00	\$112,200.00	\$112.00	\$76,160.00	\$110.00	\$74,800.00	\$407.30	\$276,964.00
203.0	WATER MAIN W/ CASING PIPE, TRENCHED, 8 IN. DUCTILE IRON (DI), RESTRAINED JOINT, 16 IN, PVC CASING, WITH CASING CHOCKS	120 LF	\$195.00	\$23,400.00	\$215.00	\$25,800.00	\$210.00	\$25,200.00	\$1,369.70	\$164,364.00
204.0	WATER MAIN W/ CASING PIPE, TRENCHED, 12 IN. DUCTILE IRON (DI), RESTRAINED JOINT, 24 IN, PVC CASING, WITH CASING CHOCKS	20 LF	\$225.00	\$4,500.00	\$265.00	\$5,300.00	\$255.00	\$5,100.00	\$2,050.00	\$41,000.00
205.0	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE	4 EA	\$6,500.00	\$26,000.00	\$2,450.00	\$9,800.00	\$2,300.00	\$9,200.00	\$5,200.00	\$20,800.00
206.0	FITTINGS BY WEIGHT, DUCTILE IRON	13,305 LB	\$4.50	\$59,872.50	\$14.00	\$186,270.00	\$14.00	\$186,270.00	\$8.30	\$110,431.50
207.0	VALVE, GATE, DIP, 8 IN.	5 EA	\$2,100.00	\$10,500.00	\$2,100.00	\$10,500.00	\$2,000.00	\$10,000.00	\$1,419.00	\$7,095.00
208.0	VALVE, GATE, DIP, 12 IN.	1 EA	\$3,250.00	\$3,250.00	\$3,400.00	\$3,400.00	\$3,200.00	\$3,200.00	\$2,172.00	\$2,172.00
209.0	FIRE HYDRANT ASSEMBLY	4 EA	\$7,000.00	\$28,000.00	\$6,750.00	\$27,000.00	\$6,300.00	\$25,200.00	\$6,904.00	\$27,616.00
210.0	1" WATER SERVICE TRANSFER (OPPOSITE SIDE)	2 EA	\$4,000.00	\$8,000.00	\$3,000.00	\$6,000.00	\$2,900.00	\$5,800.00	\$5,000.00	\$10,000.00
211.0	1" WATER SERVICE TRANSFER (SAME SIDE)	4 EA	\$2,200.00	\$8,800.00	\$1,750.00	\$7,000.00	\$1,600.00	\$6,400.00	\$3,000.00	\$12,000.00
212.0	1" WATER SERVICE TRANSFER AT 3812 WOODLAND AVENUE	1 EA	\$4,000.00	\$4,000.00	\$2,800.00	\$2,800.00	\$2,700.00	\$2,700.00	\$5,000.00	\$5,000.00
213.0	32 LB MAGNESIUM ANODE	48 EA	\$650.00	\$31,200.00	\$525.00	\$25,200.00	\$500.00	\$24,000.00	\$1,000.00	\$48,000.00
214.0	FOUNDATION ROCK	300 TON	\$40.00	\$12,000.00	\$45.00	\$13,500.00	\$20.00	\$6,000.00	\$35.00	\$10,500.00
215.0	FULL DEPTH PATCH, HMA, 9 IN. - DMWW (INGERSOLL AVE & 39TH STREET)	20 SY	\$85.00	\$1,700.00	\$90.00	\$1,800.00	\$85.00	\$1,700.00	\$85.00	\$1,700.00
216.0	PAVEMENT REMOVAL - DMWW	464 SY	\$15.00	\$6,960.00	\$20.00	\$9,280.00	\$22.00	\$10,208.00	\$16.00	\$7,424.00
217.0	PCC PAVEMENT - DMWW (35TH STREET)	165 SY	\$80.00	\$13,200.00	\$115.00	\$18,975.00	\$95.00	\$15,675.00	\$88.66	\$14,628.90
218.0	HMA PAVEMENT - DMWW	147 TON	\$100.00	\$14,700.00	\$60.00	\$8,820.00	\$57.00	\$8,379.00	\$57.00	\$8,379.00
219.0	6" WATER SERVICE TRANSFER	1 EA	\$3,000.00	\$3,000.00	\$8,000.00	\$8,000.00	\$7,500.00	\$7,500.00	\$33,000.00	\$33,000.00
TOTAL CONSTRUCTION COST				\$10,095,000.00		\$10,205,874.50		\$10,377,620.55		\$13,337,129.43
PERCENT OF ENGINEER'S ESTIMATE						+1.10%		+2.80%		+32.12%