



Date January 08, 2024

**PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS,
FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON
2024 SEWER REPAIR CONTRACT 1; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST
RESPONSIVE, RESPONSIBLE BIDDER AS ABSOLUTE CONCRETE CONSTRUCTION, INC. D/B/A
ABSOLUTE GROUP, SONNY HALL, PRESIDENT, \$745,518.70**

WHEREAS, on November 06, 2023, under Roll Call No. 23-1518, 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:

2024 Sewer Repair Contract 1, Activity ID 082022003

The improvement includes the construction of storm sewer, manholes, intakes, Portland Cement Concrete (PCC) pavement, Hot Mix Asphalt (HMA) pavement, earthwork and grading, rip rap, erosion control, fencing, seeding, sodding, and other incidental items, all in accordance with the contract documents, including Plan File No. 658-377/423 at the following locations: 6000 Block of Waterbury Circle, Southern Hills Drive between Park Avenue and Sioux Run, 3308 Lincoln Avenue, 3123 Jefferson Avenue, 2907 Douglas Avenue, 5315 Welker Avenue, 101 Locust Street, and other locations directed by the Engineer 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 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:

- Absolute Concrete Construction, Inc. d/b/a Absolute Group, Slater, IA - Low Bid
- On Track Construction, LLC, Nevada, IA
- TK Concrete, Inc., Pella, IA
- Vanderpool Construction, Inc., Indianola, IA
- MPS Engineers, P.C. dba Kingston Services, P.C., Des Moines, IA
- J & K Contracting, LLC, Urbandale, IA

which were received and opened at a public meeting presided over by the Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on November 28, 2023. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

Date January 08, 2024

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 Absolute Concrete Construction, Inc. d/b/a Absolute Group, Sonny Hall, President, 505 1st Avenue, Slater, IA, 50244 in the amount of \$745,518.70, 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.

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.

(Council Communication No. 24-001 attached)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE:

s/Kathleen Vanderpool

s/Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

 Funding Source: 2023-24 CIP, Page 101, City-wide Storm Water Utility Projects, SM057, Storm Water Utility Funds

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

MOTION CARRIED APPROVED

Mayor

CERTIFICATE

I, Laura Baumgartner, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, 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

BID DATE: 11/28/23

TABULATED BY: N. Smith APPROVED BY: Phillip J. Wagen
CHECKED BY: [Signature]

CONTRACTOR'S BID TABULATION
PROJECT: 2024 SEWER REPAIR CONTRACT 1

-----ESTIMATE-----

Absolute Concrete
Construction Inc dba
Absolute Group
Granger, IA

On Track Construction,
LLC
Nevada, IA

TK Concrete, Inc.
Pella, IA

BID SECURITY
10% Bid Bond

BID SECURITY
10% Bid Bond

BID SECURITY
10% Bid Bond

BID PRICE

BID PRICE

BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0001	Clearing and Grubbing	0.66 AC	\$15,000.00	\$9,900.00	\$15,500.00	\$10,230.00	\$26,500.00	\$17,490.00	\$19,500.00	\$12,870.00
0002	Clearing and Grubbing	6.5 UNITS	\$150.00	\$975.00	\$205.00	\$1,332.50	\$690.00	\$4,485.00	\$280.00	\$1,820.00
0003	Excavation, Class 10, On-Site	67 CY	\$15.00	\$1,005.00	\$8.75	\$586.25	\$18.00	\$1,206.00	\$35.00	\$2,345.00
0004	Excavation, Class 10, Waste	253 CY	\$30.00	\$7,590.00	\$25.00	\$6,325.00	\$30.00	\$7,590.00	\$35.00	\$8,855.00
0005	Excavation, Class 10, Import	1654 CY	\$30.00	\$49,620.00	\$30.00	\$49,620.00	\$32.00	\$52,928.00	\$30.00	\$49,620.00
0006	Below Grade Excavation (Core Out)	375 CY	\$45.00	\$16,875.00	\$15.25	\$5,718.75	\$24.00	\$9,000.00	\$30.00	\$11,250.00
0007	Subgrade Preparation	1272 SY	\$5.00	\$6,360.00	\$4.35	\$5,533.20	\$10.00	\$12,720.00	\$5.00	\$6,360.00
0008	Granular Stabilization	687 TON	\$50.00	\$34,350.00	\$44.50	\$30,571.50	\$66.00	\$45,342.00	\$40.00	\$27,480.00
0009	Subgrade Treatment, Geogrid, Type 2	1220 SY	\$5.00	\$6,100.00	\$5.00	\$6,100.00	\$6.00	\$7,320.00	\$5.50	\$6,710.00
0010	Subbase, Modified Subbase, 6 In	1220 SY	\$20.00	\$24,400.00	\$14.00	\$17,080.00	\$15.00	\$18,300.00	\$15.50	\$18,910.00
0011	Removal of Pipe Apron	1 EA	\$1,000.00	\$1,000.00	\$250.00	\$250.00	\$1,500.00	\$1,500.00	\$1,750.00	\$1,750.00
0012	Storm Sewer, RCP, Trenched, 15 In	19 LF	\$150.00	\$2,850.00	\$95.00	\$1,805.00	\$265.00	\$5,035.00	\$135.00	\$2,565.00
0013	Storm Sewer, RCP, Trenched, 18 In	66 LF	\$150.00	\$9,900.00	\$98.00	\$6,468.00	\$185.00	\$12,210.00	\$120.00	\$7,920.00
0014	Storm Sewer, Polypropylene, Trenched, 18 In	24 LF	\$150.00	\$3,600.00	\$116.00	\$2,784.00	\$175.00	\$4,200.00	\$150.00	\$3,600.00
0015	Storm Sewer, RCP, Trenched, 24 In	155 LF	\$175.00	\$27,125.00	\$140.00	\$21,700.00	\$230.00	\$35,650.00	\$120.00	\$18,600.00
0016	Storm Sewer, Polypropylene, Trenched, 24 In	88 LF	\$175.00	\$15,400.00	\$170.00	\$14,960.00	\$185.00	\$16,280.00	\$120.00	\$10,560.00
0017	Removal of Storm Sewer	188 LF	\$30.00	\$5,640.00	\$28.00	\$5,264.00	\$30.00	\$5,640.00	\$30.00	\$5,640.00
0018	Storm Sewer Abandonment, Fill and Plug	70 LF	\$70.00	\$4,900.00	\$28.00	\$1,960.00	\$45.00	\$3,150.00	\$50.00	\$3,500.00
0019	Pipe Apron, DR-201, 15 In	1 EA	\$2,000.00	\$2,000.00	\$2,350.00	\$2,350.00	\$2,100.00	\$2,100.00	\$2,250.00	\$2,250.00
0020	Pipe Apron, DR-201, 18 In	1 EA	\$2,500.00	\$2,500.00	\$2,600.00	\$2,600.00	\$2,400.00	\$2,400.00	\$2,500.00	\$2,500.00
0021	Pipe Apron, DR-201, 24 In	2 EA	\$3,000.00	\$6,000.00	\$2,400.00	\$4,800.00	\$2,900.00	\$5,800.00	\$2,750.00	\$5,500.00
0022	Footing for Concrete Pipe Apron, Sheet Pile, 15 In	24 SF	\$75.00	\$1,800.00	\$105.00	\$2,520.00	\$345.00	\$8,280.00	\$1,000.00	\$24,000.00
0023	Footing for Concrete Pipe Apron, Concrete, 18 In	1 EA	\$1,200.00	\$1,200.00	\$365.00	\$365.00	\$1,125.00	\$1,125.00	\$1,000.00	\$1,000.00
0024	Footing for Concrete Pipe Apron, Concrete, 24 In	2 EA	\$1,500.00	\$3,000.00	\$375.00	\$750.00	\$1,350.00	\$2,700.00	\$1,250.00	\$2,500.00
0025	Remove and Replace Pipe Apron Guard	1 EA	\$2,000.00	\$2,000.00	\$650.00	\$650.00	\$2,450.00	\$2,450.00	\$2,000.00	\$2,000.00
0026	Subdrain, 6 In	810 LF	\$20.00	\$16,200.00	\$21.50	\$17,415.00	\$26.00	\$21,060.00	\$50.00	\$40,500.00
0027	Subdrain Cleanout, Type A-1	2 EA	\$750.00	\$1,500.00	\$1,125.00	\$2,250.00	\$800.00	\$1,600.00	\$750.00	\$1,500.00
0028	Subdrain Outlets and Connections	4 EA	\$525.00	\$2,100.00	\$650.00	\$2,600.00	\$895.00	\$3,580.00	\$750.00	\$3,000.00
0029	Manhole, SW-401 48 In	5 EA	\$7,500.00	\$37,500.00	\$7,000.00	\$35,000.00	\$9,000.00	\$45,000.00	\$5,750.00	\$28,750.00
0030	Manhole, SW-401 60 In	1 EA	\$10,000.00	\$10,000.00	\$11,700.00	\$11,700.00	\$14,000.00	\$14,000.00	\$15,000.00	\$15,000.00
0031	Intake, SW-501	1 EA	\$7,500.00	\$7,500.00	\$5,675.00	\$5,675.00	\$5,500.00	\$5,500.00	\$5,750.00	\$5,750.00
0032	Intake, SW-505	1 EA	\$12,500.00	\$12,500.00	\$7,425.00	\$7,425.00	\$10,000.00	\$10,000.00	\$10,500.00	\$10,500.00
0033	Connect to Existing Manhole	2 EA	\$2,000.00	\$4,000.00	\$3,665.00	\$7,330.00	\$2,500.00	\$5,000.00	\$5,000.00	\$10,000.00
0034	Connect to Existing Intake	1 EA	\$2,000.00	\$2,000.00	\$3,100.00	\$3,100.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00
0035	Remove Manhole	2 EA	\$1,500.00	\$3,000.00	\$1,700.00	\$3,400.00	\$950.00	\$1,900.00	\$2,750.00	\$5,500.00
0036	Remove Intake	1 EA	\$1,500.00	\$1,500.00	\$1,100.00	\$1,100.00	\$950.00	\$950.00	\$1,500.00	\$1,500.00
0037	Pavement, PCC, 6 In	114 SY	\$75.00	\$8,550.00	\$73.50	\$8,379.00	\$75.00	\$8,550.00	\$80.00	\$9,120.00
0038	Pavement, PCC, 6 In Reinforced	20 SY	\$110.00	\$2,200.00	\$84.00	\$1,680.00	\$150.00	\$3,000.00	\$125.00	\$2,500.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0039	Pavement, PCC, 7 In	17.5 SY	\$90.00	\$1,575.00	\$79.00	\$1,382.50	\$180.00	\$3,150.00	\$150.00	\$2,625.00
0040	Curb and Gutter, 2.5 ft, 6 In	4 LF	\$150.00	\$600.00	\$84.00	\$336.00	\$300.00	\$1,200.00	\$150.00	\$600.00
0041	HMA Standard Traffic (ST) Surface, 1/2", PG 58-28H	197 TONS	\$125.00	\$24,625.00	\$139.00	\$27,383.00	\$160.00	\$31,520.00	\$190.00	\$37,430.00
0042	HMA Standard Traffic (ST) Base, 3/4", PG 58-28S	276 TONS	\$125.00	\$34,500.00	\$121.00	\$33,396.00	\$130.00	\$35,880.00	\$150.00	\$41,400.00
0043	Removal of Sidewalk	29 SY	\$15.00	\$435.00	\$12.00	\$348.00	\$30.00	\$870.00	\$20.00	\$580.00
0044	Removal of Driveway	27 SY	\$15.00	\$405.00	\$12.00	\$324.00	\$30.00	\$810.00	\$20.00	\$540.00
0045	Sidewalk, PCC, 4 In	24 SY	\$70.00	\$1,680.00	\$63.00	\$1,512.00	\$100.00	\$2,400.00	\$100.00	\$2,400.00
0046	Driveway, Paved, PCC, 6 In	32 SY	\$75.00	\$2,400.00	\$84.00	\$2,688.00	\$85.00	\$2,720.00	\$100.00	\$3,200.00
0047	Milling	422 SY	\$5.00	\$2,110.00	\$12.75	\$5,380.50	\$15.00	\$6,330.00	\$17.50	\$7,385.00
0048	Pavement Removal	1237.5 SY	\$15.00	\$18,562.50	\$9.00	\$11,137.50	\$20.00	\$24,750.00	\$20.00	\$24,750.00
0049	Curb and Gutter Removal	4 LF	\$15.00	\$60.00	\$20.00	\$80.00	\$110.00	\$440.00	\$250.00	\$1,000.00
0050	Temporary Traffic Control	1 LS	\$30,000.00	\$30,000.00	\$22,000.00	\$22,000.00	\$22,500.00	\$22,500.00	\$17,500.00	\$17,500.00
0051	Conventional Seeding, Seeding, Fertilizing, and Mulching	0.75 AC	\$7,500.00	\$5,625.00	\$20,000.00	\$15,000.00	\$10,000.00	\$7,500.00	\$2,520.00	\$1,890.00
0052	Sod	57.1 SQ	\$125.00	\$7,137.50	\$200.00	\$11,420.00	\$150.00	\$8,565.00	\$250.00	\$14,275.00
0053	Filter Socks, 8 In	435 LF	\$5.00	\$2,175.00	\$4.00	\$1,740.00	\$5.00	\$2,175.00	\$4.00	\$1,740.00
0054	Check Dam, Rock	13 TON	\$100.00	\$1,300.00	\$75.00	\$975.00	\$180.00	\$2,340.00	\$100.00	\$1,300.00
0055	Rip Rap Class E	889 TON	\$75.00	\$66,675.00	\$81.00	\$72,009.00	\$78.00	\$69,342.00	\$80.00	\$71,120.00
0056	Rolled Erosion Control, RECP	162 SQ	\$4.00	\$648.00	\$20.00	\$3,240.00	\$20.00	\$3,240.00	\$5.00	\$810.00
0057	Inlet Protection Device, Drop-in	5 EA	\$250.00	\$1,250.00	\$300.00	\$1,500.00	\$230.00	\$1,150.00	\$300.00	\$1,500.00
0058	Inlet Protection Device Maintenance	5 EA	\$50.00	\$250.00	\$100.00	\$500.00	\$100.00	\$500.00	\$150.00	\$750.00
0059	Stabilized Construction Entrance	68 TON	\$50.00	\$3,400.00	\$60.00	\$4,080.00	\$85.00	\$5,780.00	\$75.00	\$5,100.00
0060	Erosion Control Mulching, Hydromulching	0.81 AC	\$7,500.00	\$6,075.00	\$9,000.00	\$7,290.00	\$4,000.00	\$3,240.00	\$3,500.00	\$2,835.00
0061	Remove and Rebuild Retaining Wall	1 LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$8,000.00	\$8,000.00	\$5,750.00	\$5,750.00
0062	Remove and Replace Landscaping	1 LS	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	\$2,500.00	\$2,500.00
0063	Discrete Galvanic Anodes	12 EA	\$200.00	\$2,400.00	\$1,500.00	\$18,000.00	\$925.00	\$11,100.00	\$750.00	\$9,000.00
0064	Storm Sewer Rehab	1 LS	\$30,000.00	\$30,000.00	\$50,000.00	\$50,000.00	\$24,500.00	\$24,500.00	\$50,000.00	\$50,000.00
0065	Tree Protection Fence	800 LF	\$10.00	\$8,000.00	\$5.00	\$4,000.00	\$6.00	\$4,800.00	\$5.00	\$4,000.00
0066	Tree Trunk Protection	24 EA	\$500.00	\$12,000.00	\$400.00	\$9,600.00	\$400.00	\$9,600.00	\$250.00	\$6,000.00
0067	Temporary Granular Surfacing, Class A	90 TON	\$50.00	\$4,500.00	\$64.00	\$5,760.00	\$35.00	\$3,150.00	\$55.00	\$4,950.00
0068	Construction Survey	1 LS	\$15,000.00	\$15,000.00	\$7,560.00	\$7,560.00	\$11,000.00	\$11,000.00	\$10,000.00	\$10,000.00
0069	Mobilization	1 LS	\$74,972.00	\$74,972.00	\$102,500.00	\$102,500.00	\$60,000.00	\$60,000.00	\$74,000.00	\$74,000.00
TOTAL CONSTRUCTION COST				\$725,000.00		\$745,518.70		\$784,093.00		\$785,655.00
PERCENT OF ENGINEER'S ESTIMATE						+2.83%		+8.15%		+8.37%
						Low				

BID DATE: 11/28/23

TABULATED BY: N. Smith
CHECKED BY: _____

APPROVED BY: 

Vanderpool Construction,
Inc.
Indianola, IA

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

J & K Contracting, LLC
Urbandale, IA

BID SECURITY
10% Bid Bond

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10% Bid Bond

CONTRACTOR'S BID TABULATION
PROJECT: 2024 SEWER REPAIR CONTRACT 1

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0001	Clearing and Grubbing	0.66 AC	\$15,000.00	\$9,900.00	\$62,600.00	\$41,316.00	\$48,800.00	\$32,208.00	\$81,500.00	\$53,790.00
0002	Clearing and Grubbing	6.5 UNITS	\$150.00	\$975.00	\$110.00	\$715.00	\$225.00	\$1,462.50	\$250.00	\$1,625.00
0003	Excavation, Class 10, On-Site	67 CY	\$15.00	\$1,005.00	\$200.00	\$13,400.00	\$22.00	\$1,474.00	\$25.00	\$1,675.00
0004	Excavation, Class 10, Waste	253 CY	\$30.00	\$7,590.00	\$32.00	\$8,096.00	\$28.00	\$7,084.00	\$185.00	\$46,805.00
0005	Excavation, Class 10, Import	1654 CY	\$30.00	\$49,620.00	\$23.00	\$38,042.00	\$30.00	\$49,620.00	\$45.00	\$74,430.00
0006	Below Grade Excavation (Core Out)	375 CY	\$45.00	\$16,875.00	\$21.00	\$7,875.00	\$20.00	\$7,500.00	\$40.00	\$15,000.00
0007	Subgrade Preparation	1272 SY	\$5.00	\$6,360.00	\$7.00	\$8,904.00	\$5.50	\$6,996.00	\$6.00	\$7,632.00
0008	Granular Stabilization	687 TON	\$50.00	\$34,350.00	\$42.00	\$28,854.00	\$28.00	\$19,236.00	\$60.00	\$41,220.00
0009	Subgrade Treatment, Geogrid, Type 2	1220 SY	\$5.00	\$6,100.00	\$2.50	\$3,050.00	\$2.00	\$2,440.00	\$5.00	\$6,100.00
0010	Subbase, Modified Subbase, 6 In	1220 SY	\$20.00	\$24,400.00	\$14.50	\$17,690.00	\$18.00	\$21,960.00	\$15.00	\$18,300.00
0011	Removal of Pipe Apron	1 EA	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$1,200.00	\$1,200.00	\$900.00	\$900.00
0012	Storm Sewer, RCP, Trenched, 15 In	19 LF	\$150.00	\$2,850.00	\$147.00	\$2,793.00	\$264.00	\$5,016.00	\$130.00	\$2,470.00
0013	Storm Sewer, RCP, Trenched, 18 In	66 LF	\$150.00	\$9,900.00	\$106.00	\$6,996.00	\$286.00	\$18,876.00	\$135.00	\$8,910.00
0014	Storm Sewer, Polypropylene, Trenched, 18 In	24 LF	\$150.00	\$3,600.00	\$207.00	\$4,968.00	\$282.00	\$6,768.00	\$170.00	\$4,080.00
0015	Storm Sewer, RCP, Trenched, 24 In	155 LF	\$175.00	\$27,125.00	\$99.00	\$15,345.00	\$298.00	\$46,190.00	\$140.00	\$21,700.00
0016	Storm Sewer, Polypropylene, Trenched, 24 In	88 LF	\$175.00	\$15,400.00	\$200.00	\$17,600.00	\$292.00	\$25,696.00	\$150.00	\$13,200.00
0017	Removal of Storm Sewer	188 LF	\$30.00	\$5,640.00	\$24.00	\$4,512.00	\$54.00	\$10,152.00	\$45.00	\$8,460.00
0018	Storm Sewer Abandonment, Fill and Plug	70 LF	\$70.00	\$4,900.00	\$20.00	\$1,400.00	\$72.00	\$5,040.00	\$65.00	\$4,550.00
0019	Pipe Apron, DR-201, 15 In	1 EA	\$2,000.00	\$2,000.00	\$1,300.00	\$1,300.00	\$2,000.00	\$2,000.00	\$4,400.00	\$4,400.00
0020	Pipe Apron, DR-201, 18 In	1 EA	\$2,500.00	\$2,500.00	\$1,350.00	\$1,350.00	\$2,500.00	\$2,500.00	\$4,600.00	\$4,600.00
0021	Pipe Apron, DR-201, 24 In	2 EA	\$3,000.00	\$6,000.00	\$1,600.00	\$3,200.00	\$3,000.00	\$6,000.00	\$4,800.00	\$9,600.00
0022	Footing for Concrete Pipe Apron, Sheet Pile, 15 In	24 SF	\$75.00	\$1,800.00	\$199.00	\$4,776.00	\$75.00	\$1,800.00	\$30.00	\$720.00
0023	Footing for Concrete Pipe Apron, Concrete, 18 In	1 EA	\$1,200.00	\$1,200.00	\$700.00	\$700.00	\$3,500.00	\$3,500.00	\$500.00	\$500.00
0024	Footing for Concrete Pipe Apron, Concrete, 24 In	2 EA	\$1,500.00	\$3,000.00	\$900.00	\$1,800.00	\$3,750.00	\$7,500.00	\$750.00	\$1,500.00
0025	Remove and Replace Pipe Apron Guard	1 EA	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$5,500.00	\$5,500.00
0026	Subdrain, 6 In	810 LF	\$20.00	\$16,200.00	\$18.00	\$14,580.00	\$29.50	\$23,895.00	\$20.00	\$16,200.00
0027	Subdrain Cleanout, Type A-1	2 EA	\$750.00	\$1,500.00	\$750.00	\$1,500.00	\$800.00	\$1,600.00	\$1,300.00	\$2,600.00
0028	Subdrain Outlets and Connections	4 EA	\$525.00	\$2,100.00	\$500.00	\$2,000.00	\$525.00	\$2,100.00	\$300.00	\$1,200.00
0029	Manhole, SW-401 48 In	5 EA	\$7,500.00	\$37,500.00	\$6,700.00	\$33,500.00	\$7,800.00	\$39,000.00	\$8,400.00	\$42,000.00
0030	Manhole, SW-401 60 In	1 EA	\$10,000.00	\$10,000.00	\$7,800.00	\$7,800.00	\$14,000.00	\$14,000.00	\$15,000.00	\$15,000.00
0031	Intake, SW-501	1 EA	\$7,500.00	\$7,500.00	\$6,900.00	\$6,900.00	\$7,500.00	\$7,500.00	\$6,500.00	\$6,500.00
0032	Intake, SW-505	1 EA	\$12,500.00	\$12,500.00	\$10,300.00	\$10,300.00	\$12,500.00	\$12,500.00	\$8,600.00	\$8,600.00
0033	Connect to Existing Manhole	2 EA	\$2,000.00	\$4,000.00	\$3,700.00	\$7,400.00	\$2,000.00	\$4,000.00	\$2,500.00	\$5,000.00
0034	Connect to Existing Intake	1 EA	\$2,000.00	\$2,000.00	\$1,600.00	\$1,600.00	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00
0035	Remove Manhole	2 EA	\$1,500.00	\$3,000.00	\$650.00	\$1,300.00	\$1,500.00	\$3,000.00	\$900.00	\$1,800.00
0036	Remove Intake	1 EA	\$1,500.00	\$1,500.00	\$700.00	\$700.00	\$1,500.00	\$1,500.00	\$900.00	\$900.00
0037	Pavement, PCC, 6 In	114 SY	\$75.00	\$8,550.00	\$74.00	\$8,436.00	\$78.00	\$8,892.00	\$90.00	\$10,260.00
0038	Pavement, PCC, 6 In Reinforced	20 SY	\$110.00	\$2,200.00	\$84.00	\$1,680.00	\$146.00	\$2,920.00	\$120.00	\$2,400.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0039	Pavement, PCC, 7 In	17.5 SY	\$90.00	\$1,575.00	\$80.00	\$1,400.00	\$132.00	\$2,310.00	\$180.00	\$3,150.00
0040	Curb and Gutter, 2.5 ft, 6 In	4 LF	\$150.00	\$600.00	\$84.00	\$336.00	\$150.00	\$600.00	\$150.00	\$600.00
0041	HMA Standard Traffic (ST) Surface, 1/2", PG 58-28H	197 TONS	\$125.00	\$24,625.00	\$138.00	\$27,186.00	\$135.00	\$26,595.00	\$175.00	\$34,475.00
0042	HMA Standard Traffic (ST) Base, 3/4", PG 58-28S	276 TONS	\$125.00	\$34,500.00	\$121.00	\$33,396.00	\$120.00	\$33,120.00	\$160.00	\$44,160.00
0043	Removal of Sidewalk	29 SY	\$15.00	\$435.00	\$35.00	\$1,015.00	\$50.00	\$1,450.00	\$24.00	\$696.00
0044	Removal of Driveway	27 SY	\$15.00	\$405.00	\$32.00	\$864.00	\$50.00	\$1,350.00	\$24.00	\$648.00
0045	Sidewalk, PCC, 4 In	24 SY	\$70.00	\$1,680.00	\$63.00	\$1,512.00	\$70.00	\$1,680.00	\$120.00	\$2,880.00
0046	Driveway, Paved, PCC, 6 In	32 SY	\$75.00	\$2,400.00	\$84.00	\$2,688.00	\$75.00	\$2,400.00	\$108.00	\$3,456.00
0047	Milling	422 SY	\$5.00	\$2,110.00	\$13.00	\$5,486.00	\$12.50	\$5,275.00	\$15.00	\$6,330.00
0048	Pavement Removal	1237.5 SY	\$15.00	\$18,562.50	\$8.32	\$10,296.00	\$12.50	\$15,468.75	\$24.00	\$29,700.00
0049	Curb and Gutter Removal	4 LF	\$15.00	\$60.00	\$117.00	\$468.00	\$100.00	\$400.00	\$300.00	\$1,200.00
0050	Temporary Traffic Control	1 LS	\$30,000.00	\$30,000.00	\$20,000.00	\$20,000.00	\$24,640.00	\$24,640.00	\$24,000.00	\$24,000.00
0051	Conventional Seeding, Seeding, Fertilizing, and Mulching	0.75 AC	\$7,500.00	\$5,625.00	\$5,800.00	\$4,350.00	\$7,500.00	\$5,625.00	\$24,000.00	\$18,000.00
0052	Sod	57.1 SQ	\$125.00	\$7,137.50	\$120.00	\$6,852.00	\$196.00	\$11,191.60	\$250.00	\$14,275.00
0053	Filter Socks, 8 In	435 LF	\$5.00	\$2,175.00	\$2.20	\$957.00	\$5.00	\$2,175.00	\$5.00	\$2,175.00
0054	Check Dam, Rock	13 TON	\$100.00	\$1,300.00	\$170.00	\$2,210.00	\$100.00	\$1,300.00	\$630.00	\$8,190.00
0055	Rip Rap Class E	889 TON	\$75.00	\$66,675.00	\$93.00	\$82,677.00	\$84.00	\$74,676.00	\$90.00	\$80,010.00
0056	Rolled Erosion Control, RECP	162 SQ	\$4.00	\$648.00	\$34.00	\$5,508.00	\$4.00	\$648.00	\$24.00	\$3,888.00
0057	Inlet Protection Device, Drop-in	5 EA	\$250.00	\$1,250.00	\$155.00	\$775.00	\$250.00	\$1,250.00	\$360.00	\$1,800.00
0058	Inlet Protection Device Maintenance	5 EA	\$50.00	\$250.00	\$55.00	\$275.00	\$50.00	\$250.00	\$120.00	\$600.00
0059	Stabilized Construction Entrance	68 TON	\$50.00	\$3,400.00	\$100.00	\$6,800.00	\$50.00	\$3,400.00	\$90.00	\$6,120.00
0060	Erosion Control Mulching, Hydromulching	0.81 AC	\$7,500.00	\$6,075.00	\$4,000.00	\$3,240.00	\$7,500.00	\$6,075.00	\$11,000.00	\$8,910.00
0061	Remove and Rebuild Retaining Wall	1 LS	\$10,000.00	\$10,000.00	\$2,500.00	\$2,500.00	\$10,000.00	\$10,000.00	\$12,000.00	\$12,000.00
0062	Remove and Replace Landscaping	1 LS	\$2,000.00	\$2,000.00	\$1,200.00	\$1,200.00	\$2,000.00	\$2,000.00	\$6,000.00	\$6,000.00
0063	Discrete Galvanic Anodes	12 EA	\$200.00	\$2,400.00	\$800.00	\$9,600.00	\$200.00	\$2,400.00	\$4,000.00	\$48,000.00
0064	Storm Sewer Rehab	1 LS	\$30,000.00	\$30,000.00	\$112,000.00	\$112,000.00	\$42,000.00	\$42,000.00	\$55,500.00	\$55,500.00
0065	Tree Protection Fence	800 LF	\$10.00	\$8,000.00	\$6.20	\$4,960.00	\$10.00	\$8,000.00	\$6.00	\$4,800.00
0066	Tree Trunk Protection	24 EA	\$500.00	\$12,000.00	\$500.00	\$12,000.00	\$500.00	\$12,000.00	\$500.00	\$12,000.00
0067	Temporary Granular Surfacing, Class A	90 TON	\$50.00	\$4,500.00	\$68.00	\$6,120.00	\$50.00	\$4,500.00	\$65.00	\$5,850.00
0068	Construction Survey	1 LS	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$9,360.00	\$9,360.00	\$16,800.00	\$16,800.00
0069	Mobilization	1 LS	\$74,972.00	\$74,972.00	\$83,348.00	\$83,348.00	\$109,972.00	\$109,972.00	\$70,200.00	\$70,200.00
TOTAL CONSTRUCTION COST				\$725,000.00		\$799,997.00		\$839,236.85		\$999,040.00
PERCENT OF ENGINEER'S ESTIMATE						+10.34%		+15.76%		+37.80%