

DATE March 9, 2020

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON INGERSOLL AVENUE STREETScape FROM ML. KING JR. PARKWAY TO 24TH STREET (NORTH SIDE);  
RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS JASPER CONSTRUCTION SERVICES, INC., CLIFF RHOADS, PRESIDENT, \$2,637,558.50

WHEREAS, on January 27, 2020, under Roll Call No. 20-0130, 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:

Ingersoll Avenue Streetscape from M.L. King Jr. Parkway to 24th Street (north side), 04-2019-007

The improvement includes construction of Portland Cement Concrete (PCC) sidewalks, driveways, pavement, colored concrete, and Hot Mix Asphalt (HMA) paving, together with the necessary removals, earthwork, clearing and grubbing, erosion control, subdrains, storm sewers, traffic control, traffic signals, conduit, site furnishings, plantings, permeable pavers, and surface restoration; all in accordance with the contract documents, including Plan File Nos. 615-001/109, on Ingersoll Avenue from M.L. King Jr. Parkway to 24th Street, Des Moines, Iowa

WHEREAS, notice of the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost was published as required by law.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement be closed; and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved as the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement.

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

- |                                    |                |
|------------------------------------|----------------|
| Jasper Construction Services, Inc. | Newton, IA     |
| Minturn, Inc.                      | Brooklyn, IA   |
| Hawkeye Paving Corporation         | Bettendorf, 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 February 25, 2020. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

DATE March 9, 2020

BE IT FURTHER RESOLVED: That the Des Moines City Engineer, as the Engineer, has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Jasper Construction Services, Inc., Cliff Rhoads, President, 928 N 19th Avenue East, Newton, IA, 50208 in the amount of \$2,637,558.50, 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.

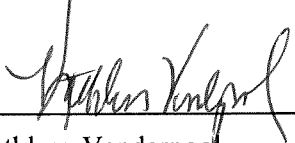
BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary road closures for the Project.

(City Council Communication Number 20-117 attached.)

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

FORM APPROVED:

FUNDS AVAILABLE

  
\_\_\_\_\_

  
\_\_\_\_\_

Kathleen Vanderpool  
Deputy City Attorney

Nickolas J. Schaul  
Interim Des Moines Finance Director

SLN Funding Source: 2019-2020 CIP, Page Street – 15, Ingersoll Streetscape, ST276, Being: \$2,017,853.50 in TIF bonds, and the remaining \$619,705 from Des Moines Water Works

★ **Roll Call Number**

**Agenda Item Number**

53

DATE March 9, 2020

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

MOTION CARRIED

APPROVED

\_\_\_\_\_  
Mayor

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.

\_\_\_\_\_  
City Clerk

TABULATED BY: G. Kuhl APPROVED BY: R. De Groot  
CHECKED BY: A. Ann Vaughan

CONTRACTOR'S BID TABULATION  
PROJECT: INGERSOLL AVENUE STREETScape FROM M.L.KING JR. PARKWAY TO 24TH STREET (NORTH SIDE)

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
DIVISION 1: INGERSOLL STREETScape (CITY OF DES MOINES)										
0001	Clearing & Grubbing	50 UNIT	\$125.00	\$6,250.00	\$100.00	\$5,000.00	\$125.00	\$6,250.00	\$100.00	\$5,000.00
0002	Excavation, Class 10, Waste	2100 CY	\$20.00	\$42,000.00	\$30.00	\$63,000.00	\$41.00	\$86,100.00	\$50.00	\$105,000.00
0003	Subbase, Modified	1400 CY	\$75.00	\$105,000.00	\$80.00	\$112,000.00	\$53.00	\$74,200.00	\$80.00	\$112,000.00
0004	Subgrade Preparation, 6 In.	7000 SY	\$3.50	\$24,500.00	\$6.00	\$42,000.00	\$3.00	\$21,000.00	\$5.00	\$35,000.00
0005	Subgrade Treatment, Geogrid, Type 2	500 SY	\$5.00	\$2,500.00	\$3.50	\$1,750.00	\$4.00	\$2,000.00	\$4.00	\$2,000.00
0006	Granular Backfill	500 TON	\$50.00	\$25,000.00	\$65.00	\$32,500.00	\$70.00	\$35,000.00	\$65.00	\$32,500.00
0007	Sanitary Sewer Service Relocation	3 EA	\$6,000.00	\$18,000.00	\$5,500.00	\$16,500.00	\$5,500.00	\$16,500.00	\$5,000.00	\$15,000.00
0008	Storm Sewer, Trenched, 15 In.	417 LF	\$100.00	\$41,700.00	\$100.00	\$41,700.00	\$100.00	\$41,700.00	\$100.00	\$41,700.00
0009	Storm Sewer, Trenched, 18 In.	233 LF	\$120.00	\$27,960.00	\$108.00	\$25,164.00	\$108.00	\$25,164.00	\$105.00	\$24,465.00
0010	Subdrain, 6 In., Perforated	1247 LF	\$35.00	\$43,645.00	\$25.00	\$31,175.00	\$30.00	\$37,410.00	\$35.00	\$43,645.00
0011	Manhole Type SW-402, 48"X48"	3 EA	\$9,500.00	\$28,500.00	\$5,000.00	\$15,000.00	\$7,750.00	\$23,250.00	\$12,000.00	\$36,000.00
0012	Manhole Type SW-402, 60"X48"	1 EA	\$9,500.00	\$9,500.00	\$6,700.00	\$6,700.00	\$12,000.00	\$12,000.00	\$14,000.00	\$14,000.00
0013	Intake Type, SW-505	6 EA	\$6,500.00	\$39,000.00	\$5,500.00	\$33,000.00	\$8,500.00	\$51,000.00	\$10,000.00	\$60,000.00
0014	Intake Type, SW-501	1 EA	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00	\$7,000.00	\$7,000.00	\$8,000.00	\$8,000.00
0015	Manhole Adjustment, Minor	4 EA	\$750.00	\$3,000.00	\$3,000.00	\$12,000.00	\$1,800.00	\$7,200.00	\$4,000.00	\$16,000.00
0016	Remove Intake	4 EA	\$1,200.00	\$4,800.00	\$3,300.00	\$13,200.00	\$3,300.00	\$13,200.00	\$3,000.00	\$12,000.00
0017	Pavement, Integral Color PCC, 9 IN.	30 SY	\$125.00	\$3,750.00	\$130.00	\$3,900.00	\$165.00	\$4,950.00	\$200.00	\$6,000.00
0018	Pavement, PCC, 9 IN.	520 SY	\$100.00	\$52,000.00	\$105.00	\$54,600.00	\$117.00	\$60,840.00	\$115.00	\$59,800.00
0019	Pavement, PCC, 10 IN.	628 SY	\$100.00	\$62,800.00	\$90.00	\$56,520.00	\$98.00	\$61,544.00	\$120.00	\$75,360.00
0020	Pavement, HMA 9 IN.	1776 SY	\$60.00	\$106,560.00	\$49.00	\$87,024.00	\$50.00	\$88,800.00	\$50.00	\$88,800.00
0021	Removal of Sidewalk	993 SY	\$15.00	\$14,895.00	\$12.00	\$11,916.00	\$15.00	\$14,895.00	\$12.00	\$11,916.00
0022	Sidewalk, PCC, 5-Inch	761 SY	\$75.00	\$57,075.00	\$70.00	\$53,270.00	\$65.00	\$49,465.00	\$75.00	\$57,075.00
0023	Sidewalk, PCC, Class A	579 SY	\$75.00	\$43,425.00	\$78.00	\$45,162.00	\$100.00	\$57,900.00	\$110.00	\$63,690.00
0024	Sidewalk Ramps, PCC, 6 IN.	200 SY	\$100.00	\$20,000.00	\$75.00	\$15,000.00	\$87.50	\$17,500.00	\$90.00	\$18,000.00
0025	Sidewalk, Integral Color PCC, 6 IN.	767 SY	\$125.00	\$95,875.00	\$135.00	\$103,545.00	\$125.00	\$95,875.00	\$130.00	\$99,710.00
0026	Detectable Warnings, Cast Iron	156 SF	\$60.00	\$9,360.00	\$55.00	\$8,580.00	\$36.00	\$5,616.00	\$55.00	\$8,580.00
0027	Driveway, Paved, PCC, 8 In.	330 SY	\$100.00	\$33,000.00	\$90.00	\$29,700.00	\$110.00	\$36,300.00	\$88.00	\$29,040.00
0028	Pavement Removal, PCC	196 SY	\$18.00	\$3,528.00	\$15.00	\$2,940.00	\$18.00	\$3,528.00	\$20.00	\$3,920.00
0029	Pavement Removal, Composite	4648 SY	\$20.00	\$92,960.00	\$20.00	\$92,960.00	\$30.00	\$139,440.00	\$15.00	\$69,720.00
0030	Engineering Fabric	1000 SY	\$5.00	\$5,000.00	\$6.00	\$6,000.00	\$2.00	\$2,000.00	\$4.00	\$4,000.00
0031	Storage Aggregate	525 TON	\$55.00	\$28,875.00	\$50.00	\$26,250.00	\$50.00	\$26,250.00	\$45.00	\$23,625.00
0032	Filter Aggregate	100 TON	\$60.00	\$6,000.00	\$50.00	\$5,000.00	\$55.00	\$5,500.00	\$50.00	\$5,000.00
0033	Permeable Interlocking Pavers	521 SY	\$100.00	\$52,100.00	\$60.00	\$31,260.00	\$70.00	\$36,470.00	\$60.00	\$31,260.00
0034	Salvage Sidewalk Pavers and Remove Subslab	57 SY	\$80.00	\$4,560.00	\$36.00	\$2,052.00	\$80.00	\$4,560.00	\$60.00	\$3,420.00
0035	Sidewalk Pavers and Subslab	68 SY	\$120.00	\$8,160.00	\$120.00	\$8,160.00	\$180.00	\$12,240.00	\$200.00	\$13,600.00
0036	Conduit, Trenched, PVC SCH 40, 1 1/2 IN.	750 LF	\$16.00	\$12,000.00	\$19.00	\$14,250.00	\$18.00	\$13,500.00	\$25.00	\$18,750.00
0037	Conduit, Trenched, PVC SCH 40, 2 IN.	735 LF	\$18.00	\$13,230.00	\$21.00	\$15,435.00	\$20.00	\$14,700.00	\$30.00	\$22,050.00
0038	Conduit, Trenched, PVC SCH 40, 3 IN.	26 LF	\$18.00	\$468.00	\$22.00	\$572.00	\$21.00	\$546.00	\$40.00	\$1,040.00
0039	Handhole, Type II	2 EA	\$1,500.00	\$3,000.00	\$2,000.00	\$4,000.00	\$1,900.00	\$3,800.00	\$2,000.00	\$4,000.00
0040	Handhole, Small	2 EA	\$1,250.00	\$2,500.00	\$1,500.00	\$3,000.00	\$1,450.00	\$2,900.00	\$1,500.00	\$3,000.00
0041	Light Pole Base	5 EA	\$6,500.00	\$32,500.00	\$7,700.00	\$38,500.00	\$7,350.00	\$36,750.00	\$7,500.00	\$37,500.00
0042	Transformer Base	1 EA	\$2,500.00	\$2,500.00	\$4,400.00	\$4,400.00	\$4,200.00	\$4,200.00	\$4,000.00	\$4,000.00
0043	Electric Service Transfer	1 EA	\$2,500.00	\$2,500.00	\$4,400.00	\$4,400.00	\$4,200.00	\$4,200.00	\$4,000.00	\$4,000.00
0044	Painted Pavement Markings, Solvent/Waterborne	100 STA	\$75.00	\$7,500.00	\$165.00	\$16,500.00	\$108.00	\$10,800.00	\$150.00	\$15,000.00
0045	Painted Symbols and Legends	25 EA	\$150.00	\$3,750.00	\$137.50	\$3,437.50	\$77.00	\$1,925.00	\$125.00	\$3,125.00
0046	Painted Symbols and Legends, Durable, Epoxy	20 EA	\$377.60	\$7,552.00	\$495.00	\$9,900.00	\$375.00	\$7,500.00	\$450.00	\$9,000.00
0047	Signs, Handicap Stall	3 EA	\$150.00	\$450.00	\$385.00	\$1,155.00	\$450.00	\$1,350.00	\$350.00	\$1,050.00
0048	Salvage & Relocate Signs	1 LS	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
0049	Temporary Traffic Control	1 LS	\$50,000.00	\$50,000.00	\$45,000.00	\$45,000.00	\$50,000.00	\$50,000.00	\$70,000.00	\$70,000.00
0050	Portable Dynamic Message Sign	10 CDA)	\$160.00	\$1,600.00	\$275.00	\$2,750.00	\$150.00	\$1,500.00	\$250.00	\$2,500.00
0051	Temporary Barrier Rail, Concrete	255 LF	\$15.00	\$3,825.00	\$35.20	\$8,976.00	\$44.00	\$11,220.00	\$32.00	\$8,160.00
0052	Relocate RRFB Signals and Mast Arm	1 LS	\$17,500.00	\$17,500.00	\$23,600.00	\$23,600.00	\$30,000.00	\$30,000.00	\$18,000.00	\$18,000.00
0053	Hydraulic Seeding, Seeding, Fertilizing, and Mulching, Special	1 AC	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,500.00	\$4,500.00	\$7,000.00	\$7,000.00
0054	Sod	38 SQ	\$100.00	\$3,800.00	\$75.00	\$2,850.00	\$55.00	\$2,090.00	\$250.00	\$9,500.00
0055	Topsoil, Import	180 CY	\$80.00	\$14,400.00	\$70.00	\$12,600.00	\$90.00	\$16,200.00	\$125.00	\$22,500.00
0056	Soil Cell Soil	755 CY	\$80.00	\$60,400.00	\$80.00	\$60,400.00	\$88.00	\$66,440.00	\$90.00	\$67,950.00

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ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0057	Streetscape Plantings	4000 SF	\$6.50	\$26,000.00	\$7.00	\$28,000.00	\$7.00	\$28,000.00	\$5.00	\$20,000.00
0058	Overstory Tree	26 EA	\$450.00	\$11,700.00	\$500.00	\$13,000.00	\$550.00	\$14,300.00	\$400.00	\$10,400.00
0059	Temporary Irrigation	40000 GAL	\$0.25	\$10,000.00	\$0.20	\$8,000.00	\$0.10	\$4,000.00	\$0.20	\$8,000.00
0060	Storm Water Pollution Prevention	1 LS	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$7,500.00	\$7,500.00	\$7,000.00	\$7,000.00
0061	Filter Socks, 12 In.	1200 LF	\$4.00	\$4,800.00	\$3.85	\$4,620.00	\$3.25	\$3,900.00	\$2.50	\$3,000.00
0062	Inlet Protection Device	12 EA	\$250.00	\$3,000.00	\$275.00	\$3,300.00	\$225.00	\$2,700.00	\$150.00	\$1,800.00
0063	Inlet Protection Device Maintenance	12 EA	\$100.00	\$1,200.00	\$55.00	\$660.00	\$25.00	\$300.00	\$50.00	\$600.00
0064	Construction Safety Fence	1200 LF	\$10.00	\$12,000.00	\$5.50	\$6,600.00	\$10.00	\$12,000.00	\$5.00	\$6,000.00
0065	Granular Backfill Material	25 TON	\$40.00	\$1,000.00	\$40.00	\$1,000.00	\$35.00	\$875.00	\$45.00	\$1,125.00
0066	Concrete Steps	50 SF	\$150.00	\$7,500.00	\$80.00	\$4,000.00	\$110.00	\$5,500.00	\$120.00	\$6,000.00
0067	Removal of Concrete Steps	150 SF	\$20.00	\$3,000.00	\$20.00	\$3,000.00	\$20.00	\$3,000.00	\$30.00	\$4,500.00
0068	Handrail, Pipe	20 LF	\$100.00	\$2,000.00	\$200.00	\$4,000.00	\$275.00	\$5,500.00	\$200.00	\$4,000.00
0069	Removal of Handrail, Pipe	20 LF	\$25.00	\$500.00	\$20.00	\$400.00	\$25.00	\$500.00	\$100.00	\$2,000.00
0070	4-ft Planter Rail	194 LF	\$600.00	\$116,400.00	\$85.00	\$16,490.00	\$155.00	\$30,070.00	\$600.00	\$116,400.00
0071	5-ft Planter Rail	18 LF	\$750.00	\$13,500.00	\$85.00	\$1,530.00	\$145.00	\$2,610.00	\$750.00	\$13,500.00
0072	Planter Um	4 EA	\$2,000.00	\$8,000.00	\$2,000.00	\$8,000.00	\$1,750.00	\$7,000.00	\$2,500.00	\$10,000.00
0073	Cast In Place Um Pedestal	3 EA	\$200.00	\$600.00	\$300.00	\$900.00	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00
0074	Bench	4 EA	\$2,200.00	\$8,800.00	\$2,150.00	\$8,600.00	\$2,100.00	\$8,400.00	\$2,800.00	\$11,200.00
0075	Trash Receptacle	3 EA	\$2,500.00	\$7,500.00	\$2,600.00	\$7,800.00	\$2,600.00	\$7,800.00	\$3,400.00	\$10,200.00
0076	Bike Rack	6 EA	\$800.00	\$4,800.00	\$750.00	\$4,500.00	\$700.00	\$4,200.00	\$700.00	\$4,200.00
0077	Structural Soil Cell	5350 SF	\$20.00	\$107,000.00	\$30.00	\$160,500.00	\$37.00	\$197,950.00	\$30.00	\$160,500.00
0078	Unit Pavers	160 SF	\$18.00	\$2,880.00	\$20.00	\$3,200.00	\$10.00	\$1,600.00	\$10.00	\$1,600.00
0079	Raised Planter Curb	1150 LF	\$50.00	\$57,500.00	\$55.00	\$63,250.00	\$35.00	\$40,250.00	\$77.00	\$88,550.00
0080	At-Grade Planter Curb	650 LF	\$30.00	\$19,500.00	\$45.00	\$29,250.00	\$30.00	\$19,500.00	\$77.00	\$50,050.00
0081	Bus Shelter Foundation	2 EA	\$5,000.00	\$10,000.00	\$3,500.00	\$7,000.00	\$2,000.00	\$4,000.00	\$5,000.00	\$10,000.00
0082	Mobilization	1 LS	\$296,142.00	\$296,142.00	\$250,000.00	\$250,000.00	\$269,500.00	\$269,500.00	\$100,000.00	\$100,000.00
		<b>DIVISION 1 SUBTOTAL</b>		<b>\$2,111,575.00</b>		<b>\$2,017,853.50</b>		<b>\$2,152,223.00</b>		<b>\$2,218,076.00</b>
<b>DIVISION 2: DES MOINES WATER WORKS</b>										
0200	12" CL 52 DIP, Open Cut	1088 LF	\$185.00	\$201,280.00	\$210.00	\$228,480.00	\$209.00	\$227,392.00	\$190.00	\$206,720.00
0201	8" CL 52 DIP, Restrained Joint, Open Cut	10 LF	\$100.00	\$1,000.00	\$180.00	\$1,800.00	\$182.00	\$1,820.00	\$165.00	\$1,650.00
0202	12" CL 52 DIP, Restrained Joint, Open Cut	202 LF	\$195.00	\$39,390.00	\$175.00	\$35,350.00	\$172.00	\$34,744.00	\$157.00	\$31,714.00
0203	Prepare Excavation for Tapping Sleeve & Valve	1 EA	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00	\$10,400.00	\$10,400.00	\$10,000.00	\$10,000.00
0204	8" Bend	1 EA	\$750.00	\$750.00	\$1,850.00	\$1,850.00	\$1,850.00	\$1,850.00	\$1,700.00	\$1,700.00
0205	12" Bend	3 EA	\$1,000.00	\$3,000.00	\$1,900.00	\$5,700.00	\$1,875.00	\$5,625.00	\$1,800.00	\$5,400.00
0206	12"x8" Reducer	1 EA	\$600.00	\$600.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,300.00	\$2,300.00
0207	4" Cap/Plug	1 EA	\$400.00	\$400.00	\$1,200.00	\$1,200.00	\$1,142.00	\$1,142.00	\$1,100.00	\$1,100.00
0208	6" Cap/Plug	2 EA	\$500.00	\$1,000.00	\$1,050.00	\$2,100.00	\$1,045.00	\$2,090.00	\$1,000.00	\$2,000.00
0209	8" Cap/Plug	1 EA	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$1,006.00	\$1,006.00	\$1,000.00	\$1,000.00
0210	12" Cap w/ 2" Blowoff	1 EA	\$1,500.00	\$1,500.00	\$4,400.00	\$4,400.00	\$4,400.00	\$4,400.00	\$4,000.00	\$4,000.00
0211	8" Valve	1 EA	\$2,500.00	\$2,500.00	\$2,425.00	\$2,425.00	\$2,420.00	\$2,420.00	\$2,200.00	\$2,200.00
0212	12" Valve	1 EA	\$3,500.00	\$3,500.00	\$7,000.00	\$7,000.00	\$7,250.00	\$7,250.00	\$6,600.00	\$6,600.00
0213	Hydrant Assembly	6 EA	\$10,000.00	\$60,000.00	\$12,000.00	\$72,000.00	\$12,450.00	\$74,700.00	\$12,000.00	\$72,000.00
0214	1" Water Service (Opposite Side)	6 EA	\$8,000.00	\$48,000.00	\$9,000.00	\$54,000.00	\$9,380.00	\$56,280.00	\$9,000.00	\$54,000.00
0215	1" Water Service (Same Side)	2 EA	\$6,000.00	\$12,000.00	\$6,000.00	\$12,000.00	\$5,675.00	\$11,350.00	\$6,000.00	\$12,000.00
0216	4" Water Service	1 EA	\$14,000.00	\$14,000.00	\$15,000.00	\$15,000.00	\$15,600.00	\$15,600.00	\$15,000.00	\$15,000.00
0217	6" Water Service at Sta. 32+94	1 EA	\$14,000.00	\$14,000.00	\$16,000.00	\$16,000.00	\$16,700.00	\$16,700.00	\$16,000.00	\$16,000.00
0218	6" Water Service at Sta. 35+35	1 EA	\$14,000.00	\$14,000.00	\$16,000.00	\$16,000.00	\$15,900.00	\$15,900.00	\$15,000.00	\$15,000.00
0219	8" Water Service at Sta. 30+55	1 EA	\$15,000.00	\$15,000.00	\$18,000.00	\$18,000.00	\$17,500.00	\$17,500.00	\$16,000.00	\$16,000.00
0220	Magnesium Anode, 32 LB	22 EA	\$1,000.00	\$22,000.00	\$1,100.00	\$24,200.00	\$1,140.00	\$25,080.00	\$1,100.00	\$24,200.00
0221	Cathodic Protection Test Station	2 EA	\$800.00	\$1,600.00	\$3,600.00	\$7,200.00	\$3,575.00	\$7,150.00	\$3,500.00	\$7,000.00
0222	12" Pipe Isolation Coupling	1 EA	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$2,900.00	\$2,900.00	\$3,000.00	\$3,000.00
0223	Removal of Pavement, PCC	60 SY	\$20.00	\$1,200.00	\$25.00	\$1,500.00	\$50.00	\$3,000.00	\$35.00	\$2,100.00
0224	Temporary Pavement - DMWW Work Outside of Phase 1 Area	60 SY	\$35.00	\$2,100.00	\$70.00	\$4,200.00	\$150.00	\$9,000.00	\$80.00	\$4,800.00
0225	Full Depth Patch, PCC, 10 In.	136 SY	\$120.00	\$16,320.00	\$125.00	\$17,000.00	\$185.00	\$25,160.00	\$140.00	\$19,040.00
0226	Sidewalk, PCC, 5 IN. - DMWW Work Outside of Phase 1 Area	30 SY	\$64.00	\$1,920.00	\$70.00	\$2,100.00	\$85.00	\$2,550.00	\$100.00	\$3,000.00
0227	Removal of Sidewalk - DMWW Work Outside of Phase 1 Area	30 SY	\$5.00	\$150.00	\$15.00	\$450.00	\$27.00	\$810.00	\$20.00	\$600.00
0228	Temporary Traffic Control - DMWW Work Outside of Phase 1 Area	1 EA	\$50,000.00	\$50,000.00	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00	\$50,000.00	\$50,000.00
0229	Foundation Rock	75 TON	\$35.00	\$2,625.00	\$60.00	\$4,500.00	\$60.00	\$4,500.00	\$60.00	\$4,500.00
0230	Granular Backfill Material	500 TON	\$40.00	\$20,000.00	\$47.00	\$23,500.00	\$47.50	\$23,750.00	\$45.00	\$22,500.00
0231	Remove Unsuitable Materials	500 TON	\$60.00	\$30,000.00	\$38.50	\$19,250.00	\$37.50	\$18,750.00	\$40.00	\$20,000.00
		<b>DIVISION 2 SUBTOTAL</b>		<b>\$593,585.00</b>		<b>\$619,705.00</b>		<b>\$643,619.00</b>		<b>\$637,124.00</b>
<b>TOTAL CONSTRUCTION COST (DIVISION 1+ DIVISION 2)</b>				<b>\$2,705,160.00</b>		<b>\$2,637,558.50</b>		<b>\$2,795,842.00</b>		<b>\$2,855,200.00</b>
<b>PERCENT OF ENGINEER'S ESTIMATE</b>						<b>-2.50%</b>		<b>+3.35%</b>		<b>+5.55%</b>
						Low				