



Roll Call Number

Agenda Item Number

56

DATE February 8, 2021

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON INGERSOLL AVENUE STREETScape FROM 24TH STREET TO 28TH STREET (NORTH SIDE); RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS JASPER CONSTRUCTION SERVICES, INC., CLIFF RHOADS, PRESIDENT, \$3,262,736.00

WHEREAS, on December 7, 2020, under Roll Call No. 20-1995, 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 24th Street to 28th Street (north side), 042021007

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. 625-160/297, on Ingersoll Avenue from 24th Street to 28th Street (north side), 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:

- Jasper Construction Services, Inc., Newton, IA Low Bid
- Corell Contractor, Inc., West Des Moines, IA
- Minturn, Inc., Brooklyn, IA
- MPS Engineers, P.C. dba Kingston Services, P.C., Des Moines, IA
- Synergy Contracting, LLC, Bondurant, IA
- TK Concrete, Inc., Pella, IA
- Elder Corporation, Des Moines, IA
- Rognes Corp. , Ankeny, IA



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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 January 12, 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 Jasper Construction Services, Inc., Cliff Rhoads, President, 928 N 19th Avenue East, Newton, IA, 50208 in the amount of \$3,262,736.00, 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. **(Council Communication No. 21-066)**

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

sl Kathleen Vanderpool

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

SLN

Funding Source: 2020-2021 CIP, Page Street – 22, Ingersoll Streetscape, ST276, Being: \$2,841,236 in TIF-Backed G.O. Bonds, \$93,200 from various Utility Companies for conduit installations and the remaining \$328,300 from Des Moines Water Works



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

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TABULATED BY: L.A. Vaughan APPROVED BY: _____
CHECKED BY: C. Kuhl

CONTRACTOR'S BID TABULATION
PROJECT: INGERSOLL AVENUE STREETScape FROM 24TH STREET TO 28TH STREET (NORTH SIDE)

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		Jasper Construction		Corell Contractor, Inc.		Minturn, Inc.		MPS Engineers PC dba			
			PRICE	AMOUNT	Services, Inc. Newton, IA	West Des Moines, IA	Brooklyn, IA	Kingston Services, PC Des Moines, IA						
					BID SECURITY	BID SECURITY	BID SECURITY	BID SECURITY	BID SECURITY	BID SECURITY	BID SECURITY	BID SECURITY		
					10% Bid Bond	10% Bid Bond	10% Bid Bond	10% Bid Bond	10% Bid Bond	10% Bid Bond	10% Bid Bond	10% Bid Bond		
					BID PRICE	BID PRICE	BID PRICE	BID PRICE	BID PRICE	BID PRICE	BID PRICE	BID PRICE		
UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT
DIVISION 1: INGERSOLL STREETScape (CITY OF DES MOINES)														
0001	Clearing and Grubbing	59.6 UNIT	\$125.00	\$7,450.00	\$100.00	\$5,960.00	\$80.00	\$4,768.00	\$100.00	\$5,960.00	\$25.00	\$1,490.00		
0002	Excavation, Class 10, Waste	3750 CY	\$30.00	\$112,500.00	\$40.00	\$150,000.00	\$29.00	\$108,750.00	\$35.00	\$131,250.00	\$32.00	\$120,000.00		
0003	Subgrade Preparation, 6 IN.	4000 SY	\$6.00	\$24,000.00	\$6.00	\$24,000.00	\$5.00	\$20,000.00	\$4.00	\$16,000.00	\$6.00	\$24,000.00		
0004	Subgrade Treatment, Geogrid, Type 2	2500 SY	\$5.00	\$12,500.00	\$3.50	\$8,750.00	\$3.00	\$7,500.00	\$1.00	\$2,500.00	\$4.50	\$11,250.00		
0005	Subbase, Modified Subbase, 12"	4000 SY	\$64.00	\$256,000.00	\$18.00	\$72,000.00	\$22.00	\$88,000.00	\$25.00	\$100,000.00	\$26.50	\$106,000.00		
0006	Replacement of Unsuitable Backfill Material	500 TON	\$65.00	\$32,500.00	\$5.00	\$2,500.00	\$30.00	\$15,000.00	\$5.00	\$2,500.00	\$25.00	\$12,500.00		
0007	Storm Sewer, Trenched, RCP, 15 In.	357 LF	\$100.00	\$35,700.00	\$150.00	\$53,550.00	\$125.00	\$44,625.00	\$110.00	\$39,270.00	\$102.00	\$36,414.00		
0008	Removal of Storm Sewer, <30" Diameter	17 LF	\$20.00	\$340.00	\$30.00	\$510.00	\$100.00	\$1,700.00	\$33.00	\$561.00	\$45.00	\$765.00		
0009	Subdrain, 8 In.	1596 LF	\$25.00	\$39,900.00	\$30.00	\$47,880.00	\$22.00	\$35,112.00	\$17.50	\$27,930.00	\$18.00	\$28,728.00		
0010	Subdrain Cleanout, Type A-1	4 EA	\$750.00	\$3,000.00	\$700.00	\$2,800.00	\$500.00	\$2,000.00	\$750.00	\$3,000.00	\$500.00	\$2,000.00		
0011	Subdrain Outlets and Connections	22 EA	\$500.00	\$11,000.00	\$500.00	\$11,000.00	\$425.00	\$9,350.00	\$330.00	\$7,260.00	\$500.00	\$11,000.00		
0012	Manhole, SW-301, 48"	1 EA	\$6,500.00	\$6,500.00	\$7,500.00	\$7,500.00	\$5,325.00	\$5,325.00	\$8,250.00	\$8,250.00	\$6,500.00	\$6,500.00		
0013	Manhole, SW-402	1 EA	\$6,500.00	\$6,500.00	\$9,500.00	\$9,500.00	\$5,850.00	\$5,850.00	\$10,000.00	\$10,000.00	\$6,500.00	\$6,500.00		
0014	Intake, SW-501	2 EA	\$5,000.00	\$10,000.00	\$6,000.00	\$12,000.00	\$2,950.00	\$5,900.00	\$6,500.00	\$13,000.00	\$5,000.00	\$10,000.00		
0015	Intake, SW-503 Modified	4 EA	\$7,500.00	\$30,000.00	\$13,000.00	\$52,000.00	\$9,500.00	\$38,000.00	\$11,500.00	\$46,000.00	\$7,500.00	\$30,000.00		
0016	Intake, SW-506 Modified	3 EA	\$7,500.00	\$22,500.00	\$15,500.00	\$46,500.00	\$15,000.00	\$45,000.00	\$16,000.00	\$48,000.00	\$7,500.00	\$22,500.00		
0017	Intake, SW-511	1 EA	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00	\$3,500.00	\$3,500.00	\$6,500.00	\$6,500.00	\$5,000.00	\$5,000.00		
0018	Manhole Adjustment, Minor	4 EA	\$3,000.00	\$12,000.00	\$2,000.00	\$8,000.00	\$700.00	\$2,800.00	\$2,000.00	\$8,000.00	\$1,875.00	\$7,500.00		
0019	Intake Adjustment, Major	1 EA	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00	\$3,995.00	\$3,995.00	\$6,500.00	\$6,500.00	\$4,500.00	\$4,500.00		
0020	Remove Intake	3 EA	\$3,500.00	\$10,500.00	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00	\$385.00	\$1,155.00	\$1,800.00	\$5,400.00		
0021	Remove Manhole	2 EA	\$3,500.00	\$7,000.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$750.00	\$1,500.00	\$2,000.00	\$4,000.00		
0022	Pavement, PCC, 6 IN.	102 SY	\$75.00	\$7,650.00	\$100.00	\$10,200.00	\$75.50	\$7,701.00	\$100.00	\$10,200.00	\$84.00	\$8,568.00		
0023	Pavement, PCC, 9 IN.	466 SY	\$105.00	\$48,930.00	\$100.00	\$46,600.00	\$110.00	\$51,260.00	\$140.00	\$65,240.00	\$140.00	\$67,104.00		
0024	Pavement, Intergral Color PCC, 8 IN.	118 SY	\$130.00	\$15,340.00	\$125.00	\$14,750.00	\$142.00	\$16,756.00	\$130.00	\$15,340.00	\$130.00	\$15,340.00		
0025	Pavement, HMA, 6 IN.	38.5 SY	\$200.00	\$7,700.00	\$65.00	\$2,502.50	\$68.00	\$2,618.00	\$70.00	\$2,695.00	\$66.00	\$2,541.00		
0026	Pavement, HMA 9 IN.	3180 SY	\$55.00	\$174,900.00	\$45.00	\$143,100.00	\$43.05	\$136,899.00	\$45.00	\$143,100.00	\$41.50	\$131,970.00		
0027	HMA Pavement Samples and Testing	1 LS	\$2,500.00	\$2,500.00	\$1,250.00	\$1,250.00	\$1,310.00	\$1,310.00	\$1,250.00	\$1,250.00	\$1,300.00	\$1,300.00		
0028	Removal of Sidewalk	1300 SY	\$15.00	\$19,500.00	\$15.00	\$19,500.00	\$15.00	\$19,500.00	\$15.00	\$19,500.00	\$15.00	\$19,500.00		
0029	Sidewalk, PCC, 5 IN.	1445 SY	\$75.00	\$108,375.00	\$70.00	\$101,150.00	\$73.00	\$105,485.00	\$60.00	\$115,600.00	\$75.00	\$108,375.00		
0030	Sidewalk, PCC, 6 IN.	35 SY	\$75.00	\$2,625.00	\$70.00	\$2,450.00	\$92.50	\$3,237.50	\$90.00	\$3,150.00	\$75.00	\$2,625.00		
0031	Sidewalk, Integral Color PCC, 6 IN.	742 SY	\$135.00	\$100,170.00	\$130.00	\$96,460.00	\$136.00	\$100,912.00	\$135.00	\$100,170.00	\$135.00	\$100,170.00		
0032	Sidewalk, PCC, Class A	396.5 SY	\$65.00	\$33,702.50	\$100.00	\$39,650.00	\$79.00	\$31,323.50	\$100.00	\$39,650.00	\$85.00	\$33,702.50		
0033	Detectable Warnings	100 SF	\$60.00	\$6,000.00	\$60.00	\$6,000.00	\$68.25	\$6,825.00	\$60.00	\$6,000.00	\$60.00	\$6,000.00		
0034	Driveway, Paved, PCC, 8 IN.	589 SY	\$100.00	\$58,900.00	\$90.00	\$53,010.00	\$89.00	\$52,421.00	\$100.00	\$58,900.00	\$100.00	\$58,900.00		
0035	Sidewalk Deep Penetrating Water Repellant	21312 SF	\$1.00	\$21,312.00	\$0.75	\$15,984.00	\$0.72	\$15,344.64	\$0.75	\$15,984.00	\$0.75	\$15,984.00		
0036	Temp Driveway, HMA Millings	500 TON	\$60.00	\$30,000.00	\$40.00	\$20,000.00	\$45.00	\$22,500.00	\$50.00	\$25,000.00	\$21.00	\$10,500.00		
0037	Milling	1724 SY	\$3.00	\$5,172.00	\$2.25	\$3,879.00	\$2.15	\$3,706.60	\$2.25	\$3,879.00	\$2.25	\$3,879.00		
0038	Pavement Removal, PCC	361 SY	\$18.00	\$6,498.00	\$20.00	\$7,220.00	\$15.00	\$5,415.00	\$14.00	\$5,054.00	\$18.00	\$6,498.00		
0039	Pavement Removal, HMA	726 SY	\$18.00	\$13,068.00	\$12.00	\$8,712.00	\$15.00	\$10,890.00	\$14.00	\$10,164.00	\$18.00	\$13,068.00		
0040	Pavement Removal, Composite	3400 SY	\$25.00	\$85,000.00	\$20.00	\$68,000.00	\$18.50	\$62,900.00	\$19.00	\$64,600.00	\$25.00	\$85,000.00		
0041	Engineering Fabric	500 SY	\$6.00	\$3,000.00	\$15.00	\$7,500.00	\$3.00	\$1,500.00	\$3.00	\$1,500.00	\$6.00	\$3,000.00		
0042	Storage Aggregate	250 TON	\$55.00	\$13,750.00	\$65.00	\$16,250.00	\$62.00	\$15,500.00	\$45.00	\$11,250.00	\$55.00	\$13,750.00		
0043	Filter Aggregate	100 TON	\$55.00	\$5,500.00	\$35.00	\$3,500.00	\$70.00	\$7,000.00	\$48.00	\$4,800.00	\$55.00	\$5,500.00		
0044	Permeable Interlocking Pavers	372 SY	\$66.00	\$24,552.00	\$60.00	\$22,320.00	\$57.50	\$21,390.00	\$65.00	\$24,180.00	\$70.00	\$26,040.00		
0045	Removal of Trolley Tracks	1374 LF	\$50.00	\$68,700.00	\$45.00	\$61,830.00	\$55.00	\$75,570.00	\$12.50	\$17,175.00	\$18.00	\$24,732.00		
0046	Conduit, Trenched, 1 1/2 IN. (Planter Lighting)	1200 LF	\$19.00	\$22,800.00	\$16.50	\$19,800.00	\$16.90	\$20,280.00	\$18.00	\$21,600.00	\$16.50	\$19,800.00		
0047	Conduit, Trenched, 2 IN. (Street Lighting)	1400 LF	\$21.00	\$29,400.00	\$18.00	\$25,200.00	\$18.45	\$25,830.00	\$20.00	\$28,000.00	\$18.00	\$25,200.00		
0048	Conduit, Trenchless, 2 IN. (Fiber Conduit)	16000 LF	\$6.00	\$96,000.00	\$17.00	\$272,000.00	\$17.43	\$278,880.00	\$18.50	\$296,000.00	\$17.00	\$272,000.00		
0049	Conduit, Trenchless, 4 IN.	8100 LF	\$16.00	\$129,600.00	\$28.00	\$226,800.00	\$28.70	\$232,470.00	\$30.00	\$243,000.00	\$28.00	\$226,800.00		
0050	Conduit, Trenchless, 6 IN.	4000 LF	\$18.00	\$72,000.00	\$31.00	\$124,000.00	\$31.75	\$127,000.00	\$34.00	\$136,000.00	\$31.00	\$124,000.00		
0051	Handhole, 2'x3'x3'	14 EA	\$2,500.00	\$35,000.00	\$2,400.00	\$33,600.00	\$2,460.00	\$34,440.00	\$2,650.00	\$37,100.00	\$2,400.00	\$33,600.00		
0052	Handhole, Small	10 EA	\$1,500.00	\$15,000.00	\$1,500.00	\$15,000.00	\$1,550.00	\$15,500.00	\$1,650.00	\$16,500.00	\$1,500.00	\$15,000.00		
0053	Light Pole Base, 12-FT Depth	12 EA	\$8,500.00	\$102,000.00	\$4,100.00	\$49,200.00	\$4,200.00	\$50,400.00	\$4,500.00	\$54,000.00	\$4,100.00	\$49,200.00		
0054	Transformer Base	4 EA	\$7,500.00	\$30,000.00	\$4,500.00	\$18,000.00	\$4,600.00	\$18,400.00	\$5,000.00	\$20,000.00	\$4,500.00	\$18,000.00		
0055	Electric Service Weatherhead Conversion, 2210 Ingersoll	1 LS	\$4,500.00	\$4,500.00	\$7,700.00	\$7,700.00	\$7,800.00	\$7,800.00	\$8,500.00	\$8,500.00	\$7,700.00	\$7,700.00		
0056	Electric Service Weatherhead Conversion, 2212 Ingersoll	1 LS	\$3,500.00	\$3,500.00	\$8,800.00	\$8,800.00	\$8,900.00	\$8,900.00	\$9,500.00	\$9,500.00	\$8,752.00	\$8,752.00		

0057	Electric Service Weatherhead Conversion, 2507 Ingersoll	1 LS	\$5,500.00	\$5,500.00	\$7,000.00	\$7,000.00	\$7,125.00	\$7,125.00	\$7,500.00	\$7,500.00	\$6,852.00	\$6,852.00
0058	Electric Service Weatherhead Conversion, Billboard, Ingersoll	1 LS	\$2,500.00	\$2,500.00	\$4,100.00	\$4,100.00	\$4,200.00	\$4,200.00	\$4,500.00	\$4,500.00	\$4,100.00	\$4,100.00
0059	Electric Service Weatherhead Conversion, 2423 Ingersoll	1 LS	\$3,500.00	\$3,500.00	\$8,800.00	\$8,800.00	\$8,900.00	\$8,900.00	\$9,500.00	\$9,500.00	\$8,672.00	\$8,672.00
0060	Painted Pavement Markings, Solvent/Waterborne	105.4 STA	\$175.00	\$18,445.00	\$75.00	\$7,905.00	\$78.50	\$8,273.90	\$82.50	\$8,695.50	\$85.00	\$8,959.00
0061	Painted Symbols and Legends	21 EA	\$150.00	\$3,150.00	\$110.00	\$2,310.00	\$115.00	\$2,415.00	\$121.00	\$2,541.00	\$110.00	\$2,310.00
0062	Pavement Markings Removed	90 STA	\$85.00	\$7,650.00	\$45.00	\$4,050.00	\$47.00	\$4,230.00	\$49.50	\$4,455.00	\$65.00	\$5,850.00
0063	Symbols and Legends Removed	8 EA	\$160.00	\$1,280.00	\$100.00	\$800.00	\$105.00	\$840.00	\$110.00	\$880.00	\$110.00	\$880.00
0064	Painted Symbols and Legends, Epoxy	14 EA	\$500.00	\$7,000.00	\$300.00	\$4,200.00	\$315.00	\$4,410.00	\$330.00	\$4,620.00	\$550.00	\$7,700.00
0065	Signs, Sheet Aluminum	22 SF	\$100.00	\$2,200.00	\$30.00	\$660.00	\$31.50	\$693.00	\$33.00	\$726.00	\$32.00	\$704.00
0066	Signs Posts	6 EA	\$300.00	\$1,800.00	\$150.00	\$900.00	\$157.50	\$945.00	\$165.00	\$990.00	\$130.00	\$780.00
0067	Temporary Traffic Control	1 LS	\$90,000.00	\$90,000.00	\$45,000.00	\$45,000.00	\$7,300.00	\$7,300.00	\$29,500.00	\$29,500.00	\$85,000.00	\$85,000.00
0068	Portable Dynamic Message Sign	28 CDA Y	\$160.00	\$4,480.00	\$100.00	\$2,800.00	\$105.00	\$2,940.00	\$110.00	\$3,080.00	\$130.00	\$3,640.00
0069	Temporary Barrier Rail, Concrete	500 LF	\$40.00	\$20,000.00	\$10.00	\$5,000.00	\$42.00	\$21,000.00	\$44.00	\$22,000.00	\$25.00	\$12,500.00
0070	Daily Lane Closure	20 DAY	\$550.00	\$11,000.00	\$200.00	\$4,000.00	\$525.00	\$10,500.00	\$550.00	\$11,000.00	\$500.00	\$10,000.00
0071	Temporary Business Signs, Sheet Aluminum	500 SF	\$35.00	\$17,500.00	\$8.00	\$4,000.00	\$21.00	\$10,500.00	\$22.00	\$11,000.00	\$10.00	\$5,000.00
0072	Sign Removal and Replacement	22 EA	\$300.00	\$6,600.00	\$200.00	\$4,400.00	\$210.00	\$4,620.00	\$220.00	\$4,840.00	\$300.00	\$6,600.00
0073	Temporary RFRB Signal	1 LS	\$2,500.00	\$2,500.00	\$22,320.00	\$22,320.00	\$22,900.00	\$22,900.00	\$2,750.00	\$2,750.00	\$22,320.00	\$22,320.00
0074	Inductive Loop Detector, 6'x8'	4 EA	\$1,500.00	\$6,000.00	\$1,500.00	\$6,000.00	\$1,500.00	\$6,000.00	\$1,650.00	\$6,600.00	\$1,500.00	\$6,000.00
0075	Pedestrian Pole Footing	1 EA	\$2,500.00	\$2,500.00	\$800.00	\$800.00	\$850.00	\$850.00	\$2,750.00	\$2,750.00	\$800.00	\$800.00
0076	Preformed Bicycle Loop Detector	1 EA	\$2,500.00	\$2,500.00	\$875.00	\$875.00	\$900.00	\$900.00	\$2,750.00	\$2,750.00	\$875.00	\$875.00
0077	Bicycle Loop Counter	1 EA	\$2,500.00	\$2,500.00	\$5,250.00	\$5,250.00	\$5,400.00	\$5,400.00	\$2,750.00	\$2,750.00	\$5,250.00	\$5,250.00
0078	Hydraulic Seeding, Seeding, Fertilizing, and Mulching	4 AC	\$4,000.00	\$16,000.00	\$100.00	\$400.00	\$3,100.00	\$12,400.00	\$3,000.00	\$12,000.00	\$1,200.00	\$4,800.00
0079	Storm Water Pollution Prevention Plan (SWPPP)	1 LS	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00	\$6,825.00	\$6,825.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
0080	Filter Socks, 12 In.	1000 LF	\$4.00	\$4,000.00	\$0.25	\$250.00	\$2.35	\$2,350.00	\$3.50	\$3,500.00	\$3.00	\$3,000.00
0081	Inlet Protection Device, Drop-In	13 EA	\$275.00	\$3,575.00	\$175.00	\$2,275.00	\$195.00	\$2,535.00	\$135.00	\$1,755.00	\$150.00	\$1,950.00
0082	Inlet Protection Device Maintenance	13 EA	\$55.00	\$715.00	\$5.00	\$65.00	\$52.00	\$676.00	\$25.00	\$325.00	\$35.00	\$455.00
0083	Orange Safety Fence (Rigid)	1767 LF	\$10.00	\$17,670.00	\$5.50	\$9,718.50	\$10.00	\$17,670.00	\$10.00	\$17,670.00	\$10.00	\$17,670.00
0084	Temporary Chain Link Fence	1500 LF	\$6.00	\$9,000.00	\$5.50	\$8,250.00	\$5.50	\$8,250.00	\$6.00	\$9,000.00	\$5.75	\$8,625.00
0085	Modular Block Retaining Wall	38 SF	\$100.00	\$3,800.00	\$60.00	\$2,280.00	\$63.00	\$2,394.00	\$45.00	\$1,710.00	\$50.00	\$1,900.00
0086	4-ft Planter Rail	288 EA	\$80.00	\$160,800.00	\$375.00	\$100,500.00	\$331.00	\$88,708.00	\$325.00	\$87,100.00	\$95.00	\$25,460.00
0087	5-ft Planter Rail	49 EA	\$750.00	\$36,750.00	\$450.00	\$22,050.00	\$382.00	\$18,718.00	\$375.00	\$18,375.00	\$105.00	\$5,145.00
0088	Planter Urn	10 EA	\$2,000.00	\$20,000.00	\$2,000.00	\$20,000.00	\$2,300.00	\$23,000.00	\$1,800.00	\$18,000.00	\$2,000.00	\$20,000.00
0089	Cast In Place Urn Pedestal	5 CY	\$300.00	\$1,500.00	\$1,000.00	\$5,000.00	\$750.00	\$3,750.00	\$500.00	\$2,500.00	\$300.00	\$1,500.00
0090	Bench	10 EA	\$2,200.00	\$22,000.00	\$2,500.00	\$25,000.00	\$2,375.00	\$23,750.00	\$2,000.00	\$20,000.00	\$2,100.00	\$21,000.00
0091	Trash Receptacle	4 EA	\$2,600.00	\$10,400.00	\$2,700.00	\$10,800.00	\$2,828.00	\$11,312.00	\$2,500.00	\$10,000.00	\$2,600.00	\$10,400.00
0092	Bike Rack	9 EA	\$800.00	\$7,200.00	\$600.00	\$5,400.00	\$563.00	\$5,067.00	\$750.00	\$6,750.00	\$800.00	\$7,200.00
0093	Unit Pavers	420 SF	\$20.00	\$8,400.00	\$19.00	\$7,980.00	\$19.50	\$8,190.00	\$19.00	\$7,980.00	\$20.00	\$8,400.00
0094	Raised Planter Curb	1600 LF	\$55.00	\$88,000.00	\$55.00	\$88,000.00	\$61.00	\$97,600.00	\$65.00	\$104,000.00	\$55.00	\$88,000.00
0095	Topsoil, Import	155 CY	\$80.00	\$12,400.00	\$50.00	\$7,750.00	\$50.00	\$7,750.00	\$65.00	\$10,075.00	\$65.00	\$10,075.00
0096	Streetscape Plantings	5000 SF	\$8.00	\$40,000.00	\$5.00	\$25,000.00	\$4.80	\$24,000.00	\$4.75	\$23,750.00	\$5.00	\$25,000.00
0097	Overstory Tree	31 EA	\$600.00	\$18,600.00	\$430.00	\$13,330.00	\$450.00	\$13,950.00	\$425.00	\$13,175.00	\$400.00	\$12,400.00
0098	Temporary Impigation	50000 GAL	\$0.25	\$12,500.00	\$0.01	\$500.00	\$0.15	\$7,500.00	\$0.18	\$9,000.00	\$0.20	\$10,000.00
0099	Bus Shelter Foundation	1 EA	\$4,000.00	\$4,000.00	\$3,500.00	\$3,500.00	\$2,300.00	\$2,300.00	\$2,500.00	\$2,500.00	\$4,000.00	\$4,000.00
0100	River Rock, 2 In. Dia.	20 CY	\$200.00	\$4,000.00	\$210.00	\$4,200.00	\$180.00	\$3,600.00	\$215.00	\$4,300.00	\$225.00	\$4,500.00
0101	Concrete Retaining Wall Block	216 LF	\$75.00	\$16,200.00	\$50.00	\$10,800.00	\$52.50	\$11,340.00	\$25.00	\$5,400.00	\$35.00	\$7,560.00
0102	Mobilization	1 LS	\$298,850.50	\$298,850.50	\$335,000.00	\$335,000.00	\$206,500.00	\$206,500.00	\$330,000.00	\$330,000.00	\$408,400.00	\$408,400.00
	DIVISION 1 SUBTOTAL			\$3,090,500.00		\$2,964,586.00		\$2,795,116.14		\$2,987,009.50		\$2,937,377.50

DIVISION 2: DES MOINES WATER WORKS

0200	12" CL 52 DIP, Stab Joint, Open Cut	830 LF	\$185.00	\$153,550.00	\$100.00	\$83,000.00	\$160.00	\$132,800.00	\$110.00	\$91,300.00	\$184.00	\$152,720.00
0201	12" CL 52 DIP, Restrained Joint, Open Cut	531 LF	\$195.00	\$103,545.00	\$125.00	\$66,375.00	\$185.00	\$98,235.00	\$137.50	\$73,012.50	\$194.00	\$103,014.00
0202	16" PVC Casing Pipe	20 LF	\$100.00	\$2,000.00	\$200.00	\$4,000.00	\$50.00	\$1,000.00	\$220.00	\$4,400.00	\$125.00	\$2,500.00
0203	Prepare Excavation for Tapping Sleeve & Valve	1 EA	\$8,000.00	\$8,000.00	\$33,000.00	\$33,000.00	\$6,500.00	\$6,500.00	\$33,000.00	\$33,000.00	\$10,000.00	\$10,000.00
0204	12" Bend	12 EA	\$1,000.00	\$12,000.00	\$100.00	\$1,200.00	\$950.00	\$11,400.00	\$110.00	\$1,320.00	\$1,250.00	\$15,000.00
0205	8" Cap/Plug	1 EA	\$750.00	\$750.00	\$100.00	\$100.00	\$5,750.00	\$5,750.00	\$110.00	\$1,100.00	\$1,000.00	\$1,000.00
0206	12" Temporary Cap w/ Minimum 4" Valved Blowoff (Use Twice)	1 EA	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$4,850.00	\$4,850.00	\$1,100.00	\$1,100.00	\$2,500.00	\$2,500.00
0207	12" Valve	3 EA	\$3,500.00	\$10,500.00	\$1,000.00	\$3,000.00	\$2,570.00	\$7,710.00	\$1,100.00	\$3,300.00	\$4,200.00	\$12,800.00
0208	Hydrant Assembly At Sta. 13+33	1 EA	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	\$5,500.00	\$5,500.00	\$12,000.00	\$12,000.00
0209	Hydrant Assembly At Sta. 17+26	1 EA	\$12,000.00	\$12,000.00	\$5,000.00	\$5,000.00	\$7,250.00	\$7,250.00	\$5,500.00	\$5,500.00	\$15,000.00	\$15,000.00
0210	Hydrant Assembly At Sta. 20+17	1 EA	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$7,250.00	\$7,250.00	\$5,500.00	\$5,500.00	\$12,000.00	\$12,000.00
0211	1" Water Service (Opposite Side)	5 EA	\$8,000.00	\$40,000.00	\$5,000.00	\$25,000.00	\$7,000.00	\$35,000.00	\$5,500.00	\$27,500.00	\$7,200.00	\$36,000.00
0212	1" Water Service (Same Side)	4 EA	\$6,000.00	\$24,000.00	\$2,500.00	\$10,000.00	\$6,725.00	\$26,900.00	\$2,750.00	\$11,000.00	\$5,000.00	\$20,000.00
0213	2" Water Service (Opposite Side)	3 EA	\$9,000.00	\$27,000.00	\$5,000.00	\$15,000.00	\$10,500.00	\$31,500.00	\$5,500.00	\$16,500.00	\$8,200.00	\$24,600.00
0214	2" Water Service (Same Side)	1 EA	\$7,000.00	\$7,000.00	\$2,500.00	\$2,500.00	\$8,000.00	\$8,000.00	\$2,750.00	\$2,750.00	\$5,600.00	\$5,600.00
0215	6" Water Service (Opposite Side)	3 EA	\$14,000.00	\$42,000.00	\$5,000.00	\$15,000.00	\$15,500.00	\$46,500.00	\$5,500.00	\$16,500.00	\$14,200.00	\$42,800.00
0216	Magnesium Anode, 32 LB	24 EA	\$1,000.00	\$24,000.00	\$500.00	\$12,000.00	\$750.00	\$18,000.00	\$550.00	\$13,200.00	\$1,100.00	\$26,400.00
0217	Cathodic Protection Test Station	2 EA	\$800.00	\$1,600.00	\$500.00	\$1,000.00	\$1,500.00	\$3,000.00	\$550.00	\$1,100.00	\$3,200.00	\$6,400.00
	Removal of Street Pavement for Valve Box Removal in Eastbound Lane - DMWW											
0218	Work Outside Construction Limits	20 SY	\$30.00	\$600.00	\$35.00	\$700.00	\$125.00	\$2,500.00	\$27.50	\$550.00	\$60.00	\$1,200.00
0219	Full Depth Patch, PCC, 10 In. - DMWW Work Outside Construction Limits	20 SY	\$120.00	\$2,400.00	\$125.00	\$2,500.00	\$125.00	\$2,500.00	\$150.00	\$3,000.00	\$212.00	\$4,240.00
0220	Sidewalk, PCC, 5 In. - DMWW Work Outside Construction Limits	20 SY	\$64.00	\$1,280.00	\$70.00	\$1,400.00	\$60.00	\$1,200.00	\$90.00	\$1,800.00	\$72.00	\$1,440.00

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0221	Removal of Sidewalk - DMWW Work Outside Construction Limits	30 SY	\$5.00	\$150.00	\$15.00	\$450.00	\$20.00	\$600.00	\$27.50	\$825.00	\$25.00	\$750.00
0222	Temporary Traffic Control - DMWW Work Outside Construction Limits	1 LS	\$12,000.00	\$12,000.00	\$5,750.00	\$5,750.00	\$5,250.00	\$5,250.00	\$6,000.00	\$6,000.00	\$4,500.00	\$4,500.00
0223	Dormant Seeding - DMWW Work Outside Construction Limits	1 AC	\$1,000.00	\$1,000.00	\$100.00	\$100.00	\$3,100.00	\$3,100.00	\$3,000.00	\$3,000.00	\$1,200.00	\$1,200.00
0224	Foundation Rock	75 TON	\$35.00	\$2,625.00	\$1.00	\$75.00	\$45.00	\$3,375.00	\$11.00	\$825.00	\$21.00	\$1,575.00
		DIVISION 2 SUBTOTAL		\$509,500.00		\$298,150.00		\$478,170.00		\$328,592.50		\$514,839.00
	TOTAL CONSTRUCTION COST (DIVISION 1+ DIVISION 2)			\$3,600,000.00		\$3,262,736.00		\$3,273,286.14		\$3,315,602.00		\$3,452,216.50
	PERCENT OF ENGINEER'S ESTIMATE					-9.37%		-9.08%		-7.90%		-4.11%
						Low						

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TABULATED BY: L.A. Vaughan APPROVED BY: _____
CHECKED BY: C. Kuhl

CONTRACTOR'S BID TABULATION
PROJECT: INGERSOLL AVENUE STREETScape FROM 24TH STREET TO 28TH STREET (NORTH SIDE)

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	Synergy Contracting, LLC Altoona, IA		TK Concrete, Inc. Pella, IA		Elder Corporation Des Moines, IA		Rognes Corp. Ankeny, IA		
					BID SECURITY 10% Bid Bond	BID PRICE	BID SECURITY 10% Bid Bond	BID PRICE	BID SECURITY 10% Bid Bond	BID PRICE	BID SECURITY 10% Bid Bond	BID PRICE	
					UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
DIVISION 1: INGERSOLL STREETScape (CITY OF DES MOINES)													
0001	Clearing and Grubbing	59.6	UNIT	\$125.00	\$7,450.00	\$700.00	\$41,720.00	\$100.00	\$5,960.00	\$100.00	\$5,960.00	\$685.00	\$40,826.00
0002	Excavation, Class 10, Waste	3750	CY	\$30.00	\$112,500.00	\$15.00	\$56,250.00	\$27.50	\$103,125.00	\$44.50	\$166,875.00	\$21.00	\$78,750.00
0003	Subgrade Preparation, 6 IN.	4000	SY	\$6.00	\$24,000.00	\$7.00	\$28,000.00	\$5.00	\$20,000.00	\$7.20	\$28,800.00	\$6.00	\$24,000.00
0004	Subgrade Treatment, Geogrid, Type 2	2500	SY	\$5.00	\$12,500.00	\$5.00	\$12,500.00	\$6.00	\$15,000.00	\$9.00	\$22,500.00	\$6.00	\$15,000.00
0005	Subbase, Modified Subbase, 12"	4000	SY	\$64.00	\$256,000.00	\$42.00	\$168,000.00	\$55.00	\$220,000.00	\$37.00	\$148,000.00	\$33.00	\$132,000.00
0006	Replacement of Unsuitable Backfill Material	500	TON	\$65.00	\$32,500.00	\$42.00	\$21,000.00	\$70.00	\$35,000.00	\$36.00	\$18,000.00	\$65.00	\$32,500.00
0007	Storm Sewer, Trenched, RCP, 15 In.	357	LF	\$100.00	\$35,700.00	\$105.00	\$37,485.00	\$100.00	\$35,700.00	\$118.00	\$42,126.00	\$275.00	\$98,175.00
0008	Removal of Storm Sewer, <30" Diameter	17	LF	\$20.00	\$340.00	\$70.00	\$1,190.00	\$50.00	\$850.00	\$78.00	\$1,326.00	\$39.00	\$663.00
0009	Subdrain, 6 In.	1596	LF	\$25.00	\$39,900.00	\$20.00	\$31,920.00	\$25.00	\$39,900.00	\$23.00	\$36,708.00	\$39.00	\$62,444.00
0010	Subdrain Cleanout, Type A-1	4	EA	\$750.00	\$3,000.00	\$770.00	\$3,080.00	\$750.00	\$3,000.00	\$840.00	\$3,360.00	\$1,325.00	\$5,300.00
0011	Subdrain Outlets and Connections	22	EA	\$500.00	\$11,000.00	\$1,190.00	\$26,180.00	\$500.00	\$11,000.00	\$510.00	\$11,220.00	\$1,000.00	\$22,000.00
0012	Manhole, SW-301, 48"	1	EA	\$6,500.00	\$6,500.00	\$5,600.00	\$5,600.00	\$8,500.00	\$8,500.00	\$13,000.00	\$13,000.00	\$8,685.00	\$8,685.00
0013	Manhole, SW-402	1	EA	\$6,500.00	\$6,500.00	\$9,800.00	\$9,800.00	\$7,500.00	\$7,500.00	\$11,000.00	\$11,000.00	\$8,850.00	\$8,850.00
0014	Intake, SW-501	2	EA	\$5,000.00	\$10,000.00	\$7,000.00	\$14,000.00	\$5,750.00	\$11,500.00	\$4,800.00	\$9,600.00	\$3,650.00	\$7,300.00
0015	Intake, SW-503 Modified	4	EA	\$7,500.00	\$30,000.00	\$11,200.00	\$44,800.00	\$8,500.00	\$34,000.00	\$9,400.00	\$37,600.00	\$6,870.00	\$27,480.00
0016	Intake, SW-506 Modified	3	EA	\$7,500.00	\$22,500.00	\$14,000.00	\$42,000.00	\$8,500.00	\$25,500.00	\$12,000.00	\$36,000.00	\$10,000.00	\$30,000.00
0017	Intake, SW-511	1	EA	\$5,000.00	\$5,000.00	\$8,400.00	\$8,400.00	\$6,500.00	\$6,500.00	\$5,600.00	\$5,600.00	\$3,500.00	\$3,500.00
0018	Manhole Adjustment, Minor	4	EA	\$3,000.00	\$12,000.00	\$2,800.00	\$11,200.00	\$2,500.00	\$10,000.00	\$2,600.00	\$10,400.00	\$3,300.00	\$13,200.00
0019	Intake Adjustment, Major	1	EA	\$3,000.00	\$3,000.00	\$2,800.00	\$2,800.00	\$3,500.00	\$3,500.00	\$21,000.00	\$21,000.00	\$4,600.00	\$4,600.00
0020	Remove Intake	3	EA	\$3,500.00	\$10,500.00	\$700.00	\$2,100.00	\$1,500.00	\$4,500.00	\$1,100.00	\$3,300.00	\$1,800.00	\$5,400.00
0021	Remove Manhole	2	EA	\$3,500.00	\$7,000.00	\$700.00	\$1,400.00	\$5,000.00	\$10,000.00	\$1,100.00	\$2,200.00	\$1,800.00	\$3,600.00
0022	Pavement, PCC, 6 IN.	102	SY	\$75.00	\$7,650.00	\$91.00	\$9,282.00	\$80.00	\$8,160.00	\$79.00	\$8,058.00	\$105.00	\$10,710.00
0023	Pavement, PCC, 9 IN.	466	SY	\$105.00	\$48,930.00	\$98.00	\$45,668.00	\$100.00	\$46,800.00	\$74.50	\$34,717.00	\$99.00	\$46,134.00
0024	Pavement, Intergral Color PCC, 8 IN.	118	SY	\$130.00	\$15,340.00	\$147.00	\$17,346.00	\$150.00	\$17,700.00	\$109.50	\$12,921.00	\$145.00	\$17,110.00
0025	Pavement, HMA, 6 IN.	38.5	SY	\$200.00	\$7,700.00	\$65.00	\$2,502.50	\$100.00	\$3,850.00	\$70.00	\$2,695.00	\$160.00	\$6,160.00
0026	Pavement, HMA 9 IN.	3180	SY	\$55.00	\$174,900.00	\$41.00	\$130,380.00	\$60.00	\$190,800.00	\$43.00	\$136,740.00	\$56.00	\$178,080.00
0027	HMA Pavement Samples and Testing	1	LS	\$2,500.00	\$2,500.00	\$1,300.00	\$1,300.00	\$1,500.00	\$1,500.00	\$810.00	\$810.00	\$1,050.00	\$1,050.00
0028	Removal of Sidewalk	1300	SY	\$15.00	\$19,500.00	\$14.00	\$18,200.00	\$15.00	\$19,500.00	\$28.00	\$36,400.00	\$15.00	\$19,500.00
0029	Sidewalk, PCC, 5 IN.	1445	SY	\$75.00	\$108,375.00	\$63.00	\$91,035.00	\$80.00	\$115,600.00	\$54.00	\$78,030.00	\$70.00	\$101,150.00
0030	Sidewalk, PCC, 6 IN.	35	SY	\$75.00	\$2,625.00	\$77.00	\$2,695.00	\$100.00	\$3,500.00	\$56.00	\$1,960.00	\$72.00	\$2,520.00
0031	Sidewalk, Integral Color PCC, 6 IN.	742	SY	\$135.00	\$100,170.00	\$105.00	\$77,910.00	\$140.00	\$103,880.00	\$78.00	\$57,876.00	\$101.00	\$74,942.00
0032	Sidewalk, PCC, Class A	396.5	SY	\$85.00	\$33,702.50	\$140.00	\$55,510.00	\$90.00	\$35,685.00	\$119.50	\$47,381.75	\$155.00	\$61,457.50
0033	Detectable Warnings	100	SF	\$60.00	\$6,000.00	\$63.00	\$6,300.00	\$50.00	\$5,000.00	\$52.50	\$5,250.00	\$68.00	\$6,800.00
0034	Driveway, Paved, PCC, 8 IN.	589	SY	\$100.00	\$58,900.00	\$105.00	\$61,845.00	\$90.00	\$53,010.00	\$87.50	\$51,537.50	\$113.00	\$66,557.00
0035	Sidewalk Deep Penetrating Water Repellant	21312	SF	\$1.00	\$21,312.00	\$1.00	\$21,312.00	\$1.50	\$31,968.00	\$1.60	\$34,099.20	\$2.00	\$42,624.00
0036	Temp Driveway, HMA Millings	500	TON	\$60.00	\$30,000.00	\$14.00	\$7,000.00	\$45.00	\$22,500.00	\$55.50	\$27,750.00	\$35.00	\$17,500.00
0037	Milling	1724	SY	\$3.00	\$5,172.00	\$7.00	\$12,068.00	\$7.25	\$12,499.00	\$4.75	\$8,189.00	\$6.00	\$10,344.00
0038	Pavement Removal, PCC	361	SY	\$18.00	\$6,498.00	\$14.00	\$5,054.00	\$20.00	\$7,220.00	\$51.50	\$18,591.50	\$18.00	\$6,498.00
0039	Pavement Removal, HMA	726	SY	\$18.00	\$13,068.00	\$14.00	\$10,164.00	\$20.00	\$14,520.00	\$19.75	\$14,338.50	\$13.00	\$9,438.00
0040	Pavement Removal, Composite	3400	SY	\$25.00	\$85,000.00	\$14.00	\$47,600.00	\$22.50	\$76,500.00	\$28.00	\$95,200.00	\$20.00	\$68,000.00
0041	Engineering Fabric	500	SY	\$6.00	\$3,000.00	\$2.00	\$1,000.00	\$6.00	\$3,000.00	\$12.95	\$6,475.00	\$4.00	\$2,000.00
0042	Storage Aggregate	250	TON	\$55.00	\$13,750.00	\$70.00	\$17,500.00	\$50.00	\$12,500.00	\$61.50	\$15,375.00	\$68.00	\$17,000.00
0043	Filter Aggregate	100	TON	\$55.00	\$5,500.00	\$84.00	\$8,400.00	\$50.00	\$5,000.00	\$81.00	\$8,100.00	\$82.00	\$8,200.00
0044	Permeable Interlocking Pavers	372	SY	\$66.00	\$24,552.00	\$55.00	\$20,460.00	\$70.00	\$26,040.00	\$71.50	\$26,598.00	\$93.00	\$34,596.00
0045	Removal of Trolley Tracks	1374	LF	\$50.00	\$68,700.00	\$70.00	\$96,180.00	\$40.00	\$54,960.00	\$74.50	\$102,363.00	\$39.00	\$53,586.00
0046	Conduit, Trenched, 1 1/2 IN. (Planter Lighting)	1200	LF	\$19.00	\$22,800.00	\$18.00	\$21,600.00	\$21.50	\$25,800.00	\$19.50	\$23,400.00	\$25.00	\$30,000.00
0047	Conduit, Trenched, 2 IN. (Street Lighting)	1400	LF	\$21.00	\$29,400.00	\$20.00	\$28,000.00	\$22.50	\$31,500.00	\$21.25	\$29,750.00	\$27.00	\$37,800.00
0048	Conduit, Trenchless, 2 IN. (Fiber Conduit)	16000	LF	\$6.00	\$96,000.00	\$14.00	\$224,000.00	\$20.00	\$320,000.00	\$14.70	\$235,200.00	\$19.00	\$304,000.00
0049	Conduit, Trenchless, 4 IN.	8100	LF	\$16.00	\$129,600.00	\$30.00	\$243,000.00	\$30.00	\$243,000.00	\$31.50	\$255,150.00	\$40.00	\$324,000.00
0050	Conduit, Trenchless, 6 IN.	4000	LF	\$18.00	\$72,000.00	\$58.00	\$232,000.00	\$35.00	\$140,000.00	\$61.00	\$244,000.00	\$80.00	\$320,000.00
0051	Handhole, 2'x3'x3'	14	EA	\$2,500.00	\$35,000.00	\$3,500.00	\$49,000.00	\$3,000.00	\$42,000.00	\$2,700.00	\$37,800.00	\$3,500.00	\$49,000.00
0052	Handhole, Small	10	EA	\$1,500.00	\$15,000.00	\$2,240.00	\$22,400.00	\$2,000.00	\$20,000.00	\$1,700.00	\$17,000.00	\$2,250.00	\$22,500.00
0053	Light Pole Base, 12-FT Depth	12	EA	\$8,500.00	\$102,000.00	\$6,440.00	\$77,280.00	\$5,000.00	\$60,000.00	\$4,900.00	\$58,800.00	\$6,350.00	\$76,200.00
0054	Transformer Base	4	EA	\$7,500.00	\$30,000.00	\$9,240.00	\$36,960.00	\$5,500.00	\$22,000.00	\$7,000.00	\$28,000.00	\$9,000.00	\$36,000.00
0055	Electric Service Weatherhead Conversion, 2210 Ingersoll	1	LS	\$4,500.00	\$4,500.00	\$7,560.00	\$7,560.00	\$10,000.00	\$10,000.00	\$5,600.00	\$5,600.00	\$7,000.00	\$7,000.00
0056	Electric Service Weatherhead Conversion, 2212 Ingersoll	1	LS	\$3,500.00	\$3,500.00	\$2,940.00	\$2,940.00	\$12,000.00	\$12,000.00	\$2,200.00	\$2,200.00	\$2,900.00	\$2,900.00

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0057	Electric Service Weatherhead Conversion, 2507 Ingersoll	1 LS	\$5,500.00	\$5,500.00	\$9,520.00	\$9,520.00	\$10,000.00	\$10,000.00	\$7,100.00	\$7,100.00	\$9,200.00	\$9,200.00
0058	Electric Service Weatherhead Conversion, Billboard, Ingersoll	1 LS	\$2,500.00	\$2,500.00	\$5,180.00	\$5,180.00	\$7,500.00	\$7,500.00	\$3,900.00	\$3,900.00	\$5,100.00	\$5,100.00
0059	Electric Service Weatherhead Conversion, 2423 Ingersoll	1 LS	\$3,500.00	\$3,500.00	\$6,440.00	\$6,440.00	\$12,000.00	\$12,000.00	\$4,900.00	\$4,900.00	\$6,300.00	\$6,300.00
0060	Painted Pavement Markings, Solvent/Waterborne	105.4 STA	\$175.00	\$18,445.00	\$90.00	\$8,486.00	\$110.00	\$11,594.00	\$84.00	\$8,853.60	\$102.00	\$10,750.80
0061	Painted Symbols and Legends	21 EA	\$150.00	\$3,150.00	\$140.00	\$2,940.00	\$150.00	\$3,150.00	\$105.00	\$2,205.00	\$150.00	\$3,150.00
0062	Pavement Markings Removed	90 STA	\$85.00	\$7,650.00	\$84.00	\$7,560.00	\$80.00	\$7,200.00	\$63.00	\$5,670.00	\$61.00	\$5,490.00
0063	Symbols and Legends Removed	8 EA	\$160.00	\$1,280.00	\$140.00	\$1,120.00	\$150.00	\$1,200.00	\$105.00	\$840.00	\$136.00	\$1,088.00
0064	Painted Symbols and Legends, Epoxy	14 EA	\$500.00	\$7,000.00	\$735.00	\$10,290.00	\$750.00	\$10,500.00	\$550.00	\$7,700.00	\$410.00	\$5,740.00
0065	Signs, Sheet Aluminum	22 SF	\$100.00	\$2,200.00	\$42.00	\$924.00	\$50.00	\$1,100.00	\$31.50	\$693.00	\$41.00	\$902.00
0066	Signs Posts	6 EA	\$300.00	\$1,800.00	\$175.00	\$1,050.00	\$200.00	\$1,200.00	\$131.50	\$789.00	\$205.00	\$1,230.00
0067	Temporary Traffic Control	1 LS	\$90,000.00	\$90,000.00	\$42,000.00	\$42,000.00	\$40,000.00	\$40,000.00	\$31,000.00	\$31,000.00	\$9,500.00	\$9,500.00
0068	Portable Dynamic Message Sign	28 CDA Y	\$160.00	\$4,480.00	\$175.00	\$4,900.00	\$200.00	\$5,600.00	\$131.50	\$3,682.00	\$136.00	\$3,808.00
0069	Temporary Barrier Rail, Concrete	500 LF	\$40.00	\$20,000.00	\$35.00	\$17,500.00	\$35.00	\$17,500.00	\$26.25	\$13,125.00	\$54.00	\$27,000.00
0070	Daily Lane Closure	20 DAY	\$550.00	\$11,000.00	\$1,050.00	\$21,000.00	\$1,250.00	\$25,000.00	\$790.00	\$15,800.00	\$683.00	\$13,660.00
0071	Temporary Business Signs, Sheet Aluminum	500 SF	\$35.00	\$17,500.00	\$14.00	\$7,000.00	\$15.00	\$7,500.00	\$10.50	\$5,250.00	\$27.00	\$13,500.00
0072	Sign Removal and Replacement	22 EA	\$300.00	\$6,600.00	\$385.00	\$8,470.00	\$375.00	\$8,250.00	\$290.00	\$6,380.00	\$273.00	\$6,006.00
0073	Temporary RRFB Signal	1 LS	\$2,500.00	\$2,500.00	\$4,620.00	\$4,620.00	\$27,500.00	\$27,500.00	\$3,500.00	\$3,500.00	\$4,500.00	\$4,500.00
0074	Inductive Loop Detector, 6'x8'	4 EA	\$1,500.00	\$6,000.00	\$1,960.00	\$7,840.00	\$2,500.00	\$10,000.00	\$1,400.00	\$5,600.00	\$1,900.00	\$7,600.00
0075	Pedestrian Pole Footing	1 EA	\$2,500.00	\$2,500.00	\$1,820.00	\$1,820.00	\$1,500.00	\$1,500.00	\$1,300.00	\$1,300.00	\$1,800.00	\$1,800.00
0076	Preformed Bicycle Loop Detector	1 EA	\$2,500.00	\$2,500.00	\$3,080.00	\$3,080.00	\$1,500.00	\$1,500.00	\$2,300.00	\$2,300.00	\$3,000.00	\$3,000.00
0077	Bicycle Loop Counter	1 EA	\$2,500.00	\$2,500.00	\$3,360.00	\$3,360.00	\$7,500.00	\$7,500.00	\$2,500.00	\$2,500.00	\$3,300.00	\$3,300.00
0078	Hydraulic Seeding, Seeding, Fertilizing, and Mulching	4 AC	\$4,000.00	\$16,000.00	\$5,530.00	\$22,120.00	\$5,000.00	\$20,000.00	\$4,100.00	\$16,400.00	\$5,400.00	\$21,600.00
0079	Storm Water Pollution Prevention Plan (SWPPP)	1 LS	\$5,000.00	\$5,000.00	\$7,700.00	\$7,700.00	\$7,500.00	\$7,500.00	\$5,800.00	\$5,800.00	\$7,500.00	\$7,500.00
0080	Filter Socks, 12 In.	1000 LF	\$4.00	\$4,000.00	\$5.00	\$5,000.00	\$3.50	\$3,500.00	\$3.15	\$3,150.00	\$4.00	\$4,000.00
0081	Inlet Protection Device, Drop-In	13 EA	\$275.00	\$3,575.00	\$145.00	\$1,885.00	\$250.00	\$3,250.00	\$152.50	\$1,982.50	\$200.00	\$2,600.00
0082	Inlet Protection Device Maintenance	13 EA	\$55.00	\$715.00	\$35.00	\$465.00	\$125.00	\$1,625.00	\$37.00	\$481.00	\$47.00	\$611.00
0083	Orange Safety Fence (Rigid)	1767 LF	\$10.00	\$17,670.00	\$14.00	\$24,738.00	\$8.00	\$14,136.00	\$11.25	\$19,878.75	\$7.00	\$12,369.00
0084	Temporary Chain Link Fence	1500 LF	\$6.00	\$9,000.00	\$21.00	\$31,500.00	\$8.00	\$12,000.00	\$6.05	\$9,075.00	\$7.00	\$10,500.00
0085	Modular Block Retaining Wall	38 SF	\$100.00	\$3,800.00	\$83.00	\$3,194.00	\$65.00	\$2,470.00	\$105.00	\$3,990.00	\$62.00	\$2,356.00
0086	4-ft Planter Rail	268 EA	\$600.00	\$160,800.00	\$280.00	\$75,040.00	\$500.00	\$134,000.00	\$330.00	\$88,440.00	\$1,300.00	\$348,400.00
0087	5-ft Planter Rail	49 EA	\$750.00	\$36,750.00	\$301.00	\$14,749.00	\$550.00	\$26,950.00	\$380.00	\$18,620.00	\$2,000.00	\$98,000.00
0088	Planter Urn	10 EA	\$2,000.00	\$20,000.00	\$2,450.00	\$24,500.00	\$2,625.00	\$26,250.00	\$1,800.00	\$18,000.00	\$2,400.00	\$24,000.00
0089	Cast In Place Urn Pedestal	5 CY	\$300.00	\$1,500.00	\$420.00	\$2,100.00	\$500.00	\$2,500.00	\$320.00	\$1,600.00	\$1,300.00	\$6,500.00
0090	Bench	10 EA	\$2,200.00	\$22,000.00	\$2,800.00	\$28,000.00	\$3,000.00	\$30,000.00	\$2,100.00	\$21,000.00	\$2,700.00	\$27,000.00
0091	Trash Receptacle	4 EA	\$2,600.00	\$10,400.00	\$3,500.00	\$14,000.00	\$3,000.00	\$12,000.00	\$2,600.00	\$10,400.00	\$3,400.00	\$13,600.00
0092	Bike Rack	9 EA	\$800.00	\$7,200.00	\$980.00	\$8,820.00	\$1,500.00	\$13,500.00	\$740.00	\$6,660.00	\$1,000.00	\$9,000.00
0093	Unit Pavers	420 SF	\$20.00	\$8,400.00	\$28.00	\$11,760.00	\$25.00	\$10,500.00	\$20.00	\$8,400.00	\$26.00	\$10,920.00
0094	Raised Planter Curb	1600 LF	\$55.00	\$88,000.00	\$42.00	\$67,200.00	\$65.00	\$104,000.00	\$23.75	\$38,000.00	\$31.00	\$49,600.00
0095	Topsoil, Import	155 CY	\$80.00	\$12,400.00	\$84.00	\$13,020.00	\$65.00	\$10,075.00	\$68.50	\$10,617.50	\$90.00	\$13,950.00
0096	Streetscape Plantings	5000 SF	\$8.00	\$40,000.00	\$7.00	\$35,000.00	\$6.00	\$30,000.00	\$4.75	\$23,750.00	\$6.00	\$30,000.00
0097	Overstory Tree	31 EA	\$600.00	\$18,600.00	\$560.00	\$17,360.00	\$575.00	\$17,825.00	\$410.00	\$12,710.00	\$540.00	\$16,740.00
0098	Temporary Irrigation	50000 GAL	\$0.25	\$12,500.00	\$1.00	\$50,000.00	\$0.40	\$20,000.00	\$0.20	\$10,000.00	\$0.25	\$12,500.00
0099	Bus Shelter Foundation	1 EA	\$4,000.00	\$4,000.00	\$7,000.00	\$7,000.00	\$6,600.00	\$6,500.00	\$6,300.00	\$6,300.00	\$7,900.00	\$7,900.00
0100	River Rock, 2 In. Dia.	20 CY	\$200.00	\$4,000.00	\$301.00	\$6,020.00	\$250.00	\$5,000.00	\$226.00	\$4,520.00	\$295.00	\$5,900.00
0101	Concrete Retaining Wall Block	216 LF	\$75.00	\$16,200.00	\$70.00	\$15,120.00	\$90.00	\$19,440.00	\$27.25	\$5,886.00	\$36.00	\$7,776.00
0102	Mobilization	1 LS	\$298,850.50	\$298,850.50	\$184,000.00	\$184,000.00	\$300,000.00	\$300,000.00	\$565,000.00	\$565,000.00	\$275,000.00	\$275,000.00
			DIVISION 1 SUBTOTAL	\$3,090,500.00		\$3,126,457.50		\$3,459,142.00		\$3,446,678.80		\$3,856,376.30

DIVISION 2: DES MOINES WATER WORKS

0200	12" CL 52 DIP, Stab Joint, Open Cut	830 LF	\$185.00	\$153,550.00	\$175.00	\$145,250.00	\$220.00	\$182,600.00	\$136.50	\$113,295.00	\$212.00	\$175,960.00
0201	12" CL 52 DIP, Restrained Joint, Open Cut	531 LF	\$195.00	\$103,545.00	\$210.00	\$111,510.00	\$220.00	\$116,820.00	\$170.50	\$90,535.50	\$220.00	\$116,820.00
0202	16" PVC Casing Pipe	20 LF	\$100.00	\$2,000.00	\$182.00	\$3,640.00	\$200.00	\$4,000.00	\$61.50	\$1,230.00	\$81.00	\$1,620.00
0203	Prepare Excavation for Tapping Sleeve & Valve	1 EA	\$8,000.00	\$8,000.00	\$4,900.00	\$4,900.00	\$10,500.00	\$10,500.00	\$4,500.00	\$4,500.00	\$4,800.00	\$4,800.00
0204	12" Bend	12 EA	\$1,000.00	\$12,000.00	\$1,260.00	\$15,120.00	\$1,000.00	\$12,000.00	\$800.00	\$9,600.00	\$1,300.00	\$15,600.00
0205	8" Cap/Plug	1 EA	\$750.00	\$750.00	\$560.00	\$560.00	\$1,000.00	\$1,000.00	\$1,300.00	\$425.00	\$425.00	\$425.00
0206	12" Temporary Cap w/ Minimum 4" Valved Blowoff (Use Twice)	1 EA	\$1,500.00	\$1,500.00	\$2,660.00	\$2,660.00	\$2,500.00	\$2,500.00	\$1,900.00	\$1,900.00	\$4,900.00	\$4,900.00
0207	12" Valve	3 EA	\$3,500.00	\$10,500.00	\$3,640.00	\$10,920.00	\$4,500.00	\$13,500.00	\$2,900.00	\$8,700.00	\$3,800.00	\$11,400.00
0208	Hydrant Assembly At Sta. 13+33	1 EA	\$10,000.00	\$10,000.00	\$8,260.00	\$8,260.00	\$12,500.00	\$12,500.00	\$13,000.00	\$13,000.00	\$8,100.00	\$8,100.00
0209	Hydrant Assembly At Sta. 17+26	1 EA	\$12,000.00	\$12,000.00	\$9,100.00	\$9,100.00	\$15,000.00	\$15,000.00	\$13,000.00	\$13,000.00	\$9,300.00	\$9,300.00
0210	Hydrant Assembly At Sta. 20+17	1 EA	\$10,000.00	\$10,000.00	\$7,840.00	\$7,840.00	\$15,000.00	\$15,000.00	\$13,000.00	\$13,000.00	\$8,200.00	\$8,200.00
0211	1" Water Service (Opposite Side)	5 EA	\$8,000.00	\$40,000.00	\$5,600.00	\$28,000.00	\$10,000.00	\$50,000.00	\$22,000.00	\$110,000.00	\$5,300.00	\$26,500.00
0212	1" Water Service (Same Side)	4 EA	\$6,000.00	\$24,000.00	\$3,780.00	\$15,120.00	\$7,500.00	\$30,000.00	\$7,800.00	\$31,200.00	\$2,900.00	\$11,600.00
0213	2" Water Service (Opposite Side)	3 EA	\$9,000.00	\$27,000.00	\$5,880.00	\$17,640.00	\$10,500.00	\$31,500.00	\$24,000.00	\$72,000.00	\$6,900.00	\$20,700.00
0214	2" Water Service (Same Side)	1 EA	\$7,000.00	\$7,000.00	\$4,480.00	\$4,480.00	\$10,500.00	\$10,500.00	\$21,000.00	\$21,000.00	\$4,200.00	\$4,200.00
0215	6" Water Service (Opposite Side)	3 EA	\$14,000.00	\$42,000.00	\$9,800.00	\$29,400.00	\$20,000.00	\$60,000.00	\$35,000.00	\$105,000.00	\$10,000.00	\$30,000.00
0216	Magnesium Anode, 32 LB	24 EA	\$1,000.00	\$24,000.00	\$420.00	\$10,080.00	\$1,500.00	\$36,000.00	\$760.00	\$18,240.00	\$620.00	\$14,880.00
0217	Cathodic Protection Test Station	2 EA	\$800.00	\$1,600.00	\$2,660.00	\$5,320.00	\$2,000.00	\$4,000.00	\$1,600.00	\$3,200.00	\$650.00	\$1,300.00
	Removal of Street Pavement for Valve Box Removal in Eastbound Lane - DMWW											
0218	Work Outside Construction Limits	20 SY	\$30.00	\$600.00	\$28.00	\$560.00	\$50.00	\$1,000.00	\$175.00	\$3,500.00	\$35.00	\$700.00
0219	Full Depth Patch, PCC, 10 In. - DMWW Work Outside Construction Limits	20 SY	\$120.00	\$2,400.00	\$210.00	\$4,200.00	\$250.00	\$5,000.00	\$223.00	\$4,460.00	\$290.00	\$5,800.00
0220	Sidewalk, PCC, 5 IN. - DMWW Work Outside Construction Limits	20 SY	\$64.00	\$1,280.00	\$105.00	\$2,100.00	\$100.00	\$2,000.00	\$94.50	\$1,890.00	\$102.00	\$2,040.00

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0221	Removal of Sidewalk - DMWW Work Outside Construction Limits	30 SY	\$5.00	\$150.00	\$28.00	\$840.00	\$20.00	\$600.00	\$63.00	\$1,890.00	\$65.00	\$1,950.00
0222	Temporary Traffic Control - DMWW Work Outside Construction Limits	1 LS	\$12,000.00	\$12,000.00	\$7,000.00	\$7,000.00	\$10,000.00	\$10,000.00	\$4,600.00	\$4,600.00	\$6,000.00	\$6,000.00
0223	Dormant Seeding - DMWW Work Outside Construction Limits	1 AC	\$1,000.00	\$1,000.00	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00	\$5,300.00	\$5,300.00	\$7,000.00	\$7,000.00
0224	Foundation Rock	75 TON	\$35.00	\$2,625.00	\$49.00	\$3,675.00	\$50.00	\$3,750.00	\$43.00	\$3,225.00	\$36.00	\$2,700.00
		DIVISION 2 SUBTOTAL		\$509,500.00		\$451,675.00		\$632,270.00		\$655,565.50		\$492,495.00
TOTAL CONSTRUCTION COST (DIVISION 1+ DIVISION 2)				\$3,600,000.00		\$3,578,132.50		\$4,091,412.00		\$4,102,244.30		\$4,348,871.30
PERCENT OF ENGINEER'S ESTIMATE						-0.61%		+13.65%		+13.95%		+20.80%