

DATE February 5, 2018

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON  
E. 42ND STREET AND HUBBELL AVENUE INTERSECTION IMPROVEMENTS;  
RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS ABSOLUTE CONCRETE CONSTRUCTION, INC., MATT TRIGGS, PRESIDENT, \$1,169,224.88

WHEREAS, on January 8, 2018, under Roll Call No. 18-0014, 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:

E. 42nd Street and Hubbell Avenue Intersection Improvements, 06-2016-001

CS-TSF-1945(827)--85-77, UST-006-4(179)--4A-77

The improvement includes widening of the intersection of E. 42nd Street and Hubbell Avenue to include left turn lanes on Hubbell Avenue and the south leg of E. 42nd Street, installation of traffic signals, pavement removal, excavation, storm sewer intakes, subdrain, subbase placement, driveways, sidewalks, seeding, and miscellaneous associated work including cleanup; in accordance with the contract documents, including Plan File Nos. 588-206/289, at the intersection of E. 42nd Street and Hubbell Avenue, 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:

★ **Roll Call Number**

**Agenda Item Number**

48

DATE February 5, 2018

Absolute Concrete Construction, Inc.	Slater, IA
Jasper Construction Services, Inc.	Newton, IA
Concrete Technologies, Inc.	Grimes, IA
Hawkeye Paving Corporation	Bettendorf, IA
MPS Engineers, P.C. dba Kingston Services, P.C.	Des Moines, IA
TK Concrete, Inc.	Pella, IA
Elder Corporation	Des Moines, IA
Synergy Contracting, LLC	Bondurant, IA

which were received and opened at a public meeting presided over by the Engineer in the Shijiazhuang Room, 2nd Floor, City Administration Building, 400 E. Court Avenue, Des Moines, Iowa at 11:00 a.m. on January 23, 2018. 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 Absolute Concrete Construction, Inc., Matt Triggs, President, 505 1st Avenue, Slater, IA, 50244 in the amount of \$1,169,224.88, 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.

★ **Roll Call Number**

Agenda Item Number

48

DATE February 5, 2018

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.

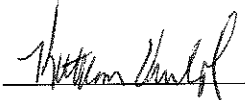
BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary road closures for the Project.

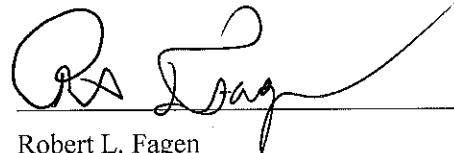
(City Council Communication Number 18-058 attached.)

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

FORM APPROVED:

FUNDS AVAILABLE

  
 Kathleen Vanderpool  
 Deputy City Attorney

  
 Robert L. Fagen  
 Des Moines Finance Director

*AC* Funding Source: 2017-2018 CIP, Page Streets – 11, East 42nd and Hubbell Ave Intersection Improvements, ST257, Being: \$500,000 (Max) in Iowa DOT Traffic Safety Improvement Funds under CS-TSF-1945(827)--85-77; \$200,000 (Max) in Iowa DOT Urban State Traffic Engineering Program (USTEP) Funds (55% of eligible items with a max of \$200,000) under agreement UST-006-4(179)--4A-77; \$150,000 in funds from Fed Title 23 Land Sales, ST500; and the remaining \$319,224.88 in G.O. Bonds, ST257

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

MOTION CARRIED APPROVED

\_\_\_\_\_  
 Mayor

I, Diane Rauh, City Clerk of said City Council, hereby certify that at a meeting of the City Council, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

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

TABULATED BY: Z. Erickson APPROVED BY: *R. De Groot*  
CHECKED BY: *[Signature]*

**CONTRACTOR'S BID TABULATION**  
PROJECT: E. 42ND STREET AND HUBBELL AVENUE INTERSECTION IMPROVEMENTS

-----ESTIMATE-----

ABSOLUTE CONCRETE CONSTRUCTION, INC. SLATER, IA		JASPER CONSTRUCTION SERVICES, INC. NEWTON, IA		CONCRETE TECHNOLOGIES, INC. GRIMES, IA	
BID SECURITY 10% BID BOND BID PRICE		BID SECURITY 10% BID BOND BID PRICE		BID SECURITY 10% BID BOND BID PRICE	
UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
0001	\$4,872.00				
0002	\$12,000.00				
0003	\$3,625.00				
0004	\$12,075.00				
0005	\$5,355.00				
0006	\$43,500.00				
0007	\$12,760.00				
0008	\$98,000.00				
0009	\$19,635.00				
0010	\$275.00				
0011	\$600.00				
0012	\$25,850.00				
0013	\$120,000.00				
0014	\$2,500.00				
0015	\$9,900.00				
0016	\$20,250.00				
0017	\$96,000.00				
0018	\$3,300.00				
0019	\$35,550.00				
0020	\$5,000.00				
0021	\$80,500.00				
0022	\$12,500.00				
0023	\$10,000.00				
0024	\$8,000.00				
0025	\$10,000.00				
0026	\$9,000.00				
0027	\$8,000.00				
0028	\$16,000.00				
0029	\$2,000.00				
0030	\$4,500.00				
0031	\$57,825.00				
0032	\$3,000.00				
0033	\$4,000.00				
0034	\$7,000.00				
0035	\$34,500.00				
0036	\$4,800.00				
0037	\$2,730.00				
0038	\$23,600.00				
0039	\$2,150.50				
0040	\$6,885.00				
0041	\$43,200.00				
0042	\$26,000.00				
0043	\$51,200.00				
0044	\$26,080.00				
0045	\$2,000.00				

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT
0001	Clearing and Grubbing	69.6	UNIT	\$70.00	\$4,872.00
0002	Excavation, Class 10, Roadway and Borrow	800	CY	\$15.00	\$12,000.00
0003	Topsoil, Furnish and Spread	145	CY	\$25.00	\$3,625.00
0004	Topsoil, Strip, Salvage and Spread	805	CY	\$15.00	\$12,075.00
0005	Subgrade Stabilization Material, Polymer Grid	1785	SY	\$3.00	\$5,355.00
0006	Modified Subbase	725	CY	\$60.00	\$43,500.00
0007	Shoulder Finishing, Earth	23.2	STA	\$550.00	\$12,760.00
0008	Base, Standard or Slip Form P.C. Concrete, 8 In.	1400	SY	\$70.00	\$98,000.00
0009	Excavation, Class 13, For Widening	1155	CY	\$17.00	\$19,635.00
0010	Removal of Curb	27.5	STA	\$10.00	\$275.00
0011	Relocation of Mail Boxes	2	EACH	\$300.00	\$600.00
0012	Pavement Scarification	5170	SY	\$5.00	\$25,850.00
0013	Standard or Slip-Form Portland Cement Concrete Pavement, QM-C, Class 3 D	1600	SY	\$75.00	\$120,000.00
0014	Portland Cement Concrete Pavement Samples	1	LS	\$2,500.00	\$2,500.00
0015	Hot Mix Asphalt Standard Traffic, Base Course, 3/4 In. Mix	110	TON	\$90.00	\$9,900.00
0016	Hot Mix Asphalt High Traffic, Intermediate Course, 1/2 In. Mix	225	TON	\$90.00	\$20,250.00
0017	Hot Mix Asphalt High Traffic, Surface Course, 1/2 In. Mix, No Special Friction F	960	TON	\$100.00	\$96,000.00
0018	Asphalt Binder, PG 58-28S, Standard Traffic	6.6	TON	\$500.00	\$3,300.00
0019	Asphalt Binder, PG 58-28H, High Traffic	71.1	TON	\$500.00	\$35,550.00
0020	Hot Mix Asphalt Pavement Samples	1	LS	\$5,000.00	\$5,000.00
0021	Hot Mix Asphalt, Driveway	1150	SY	\$70.00	\$80,500.00
0022	Surfacing, Driveway, Class A Crushed Stone	250	TON	\$50.00	\$12,500.00
0023	Removals, As Per Plan	1	LS	\$10,000.00	\$10,000.00
0024	Modular Block Retaining Wall	200	SF	\$40.00	\$8,000.00
0025	Manhole, Sanitary Sewer, SW-304, Top Only	4	EACH	\$2,500.00	\$10,000.00
0026	Manhole, Storm Sewer, SW-401, 48 In.	2	EACH	\$4,500.00	\$9,000.00
0027	Intake, SW-501	2	EACH	\$4,000.00	\$8,000.00
0028	Intake, SW-507	2	EACH	\$8,000.00	\$16,000.00
0029	Intake, SW-512, 24 In.	1	EACH	\$2,000.00	\$2,000.00
0030	Manhole Adjustment, Minor	3	EACH	\$1,500.00	\$4,500.00
0031	Subdrain, Longitudinal, (Shoulder) 6 In. Dia.	2313	LF	\$25.00	\$57,825.00
0032	Subdrain Riser, 6 In., As Per Plan	6	EACH	\$500.00	\$3,000.00
0033	Subdrain Outlet, DR-303	10	EACH	\$400.00	\$4,000.00
0034	Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000I	56	LF	\$125.00	\$7,000.00
0035	Removal of Pavement	2300	SY	\$15.00	\$34,500.00
0036	Removal of Intakes and Utility Accesses	4	EACH	\$1,200.00	\$4,800.00
0037	Removal of Sidewalk	390	SY	\$7.00	\$2,730.00
0038	Sidewalk, P.C. Concrete, 4 In.	590	SY	\$40.00	\$23,600.00
0039	Sidewalk, P.C. Concrete, 6 In.	39.1	SY	\$55.00	\$2,150.50
0040	Detectable Warnings, Cast Iron	137.7	SF	\$50.00	\$6,885.00
0041	Curb and Gutter, P.C. Concrete, 1.5 Ft	960	LF	\$45.00	\$43,200.00
0042	Driveway, P.C. Concrete, 6 In.	400	SY	\$65.00	\$26,000.00
0043	Driveway, P.C. Concrete, 7 In.	640	SY	\$80.00	\$51,200.00
0044	Removal of Paved Drives	3260	SY	\$8.00	\$26,080.00
0045	Safety Closure	8	EACH	\$250.00	\$2,000.00

*48*

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0046	Fence, Chain Link, 48 In. Height	180 LF	\$25.00	\$4,500.00	\$19.25	\$3,465.00	\$20.00	\$3,600.00	\$19.75	\$3,555.00
0047	Removal of Fence, Chain Link	183 LF	\$5.00	\$915.00	\$4.60	\$841.80	\$5.00	\$915.00	\$4.75	\$869.25
0048	Removal of Fence, Wood	17 LF	\$6.00	\$102.00	\$14.35	\$243.95	\$15.00	\$255.00	\$14.75	\$250.75
0049	Traffic Signalization	1 LS	\$220,000.00	\$220,000.00	\$210,000.00	\$210,000.00	\$210,000.00	\$210,000.00	\$215,000.00	\$215,000.00
0050	Painted Pavement Marking, Waterborne or Solvent-Based	21.25 STA	\$100.00	\$2,125.00	\$70.00	\$1,487.50	\$75.00	\$1,593.75	\$42.00	\$892.50
0051	Painted Pavement Markings, Durable	19.65 STA	\$300.00	\$5,895.00	\$82.00	\$1,611.30	\$85.00	\$1,670.25	\$57.75	\$1,134.79
0052	Permanent Tape Markings, Profiled Pavement Marking Tape	62 STA	\$400.00	\$24,800.00	\$308.00	\$19,096.00	\$320.00	\$19,840.00	\$330.00	\$20,460.00
0053	Painted Symbols and Legends, Durable	7 EACH	\$250.00	\$1,750.00	\$102.50	\$717.50	\$110.00	\$770.00	\$195.00	\$1,365.00
0054	Grooves Cut for Pavement Markings	81.65 STA	\$100.00	\$8,165.00	\$44.00	\$3,592.60	\$50.00	\$4,082.50	\$63.00	\$5,143.95
0055	Grooves Cut for Symbols and Legends	7 EACH	\$200.00	\$1,400.00	\$97.35	\$681.45	\$100.00	\$700.00	\$115.00	\$805.00
0056	Traffic Control	1 LS	\$25,000.00	\$25,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$7,875.00	\$7,875.00
0057	Flagger, Uniformed Police Officer	10 EACH	\$550.00	\$5,500.00	\$550.00	\$5,500.00	\$550.00	\$5,500.00	\$550.00	\$5,500.00
0058	Portable Dynamic Message Sign (PDMS)	28 CDAY	\$100.00	\$2,800.00	\$102.50	\$2,870.00	\$120.00	\$3,360.00	\$105.00	\$2,940.00
0059	Mobilization	1 LS	\$112,206.75	\$112,206.75	\$85,000.00	\$85,000.00	\$73,000.00	\$73,000.00	\$156,500.00	\$156,500.00
0060	Collar Connection, RCP	1 EACH	\$1,500.00	\$1,500.00	\$512.35	\$512.35	\$500.00	\$500.00	\$525.00	\$525.00
0061	Adjustment of Fixtures	11 EACH	\$750.00	\$8,250.00	\$512.35	\$5,635.85	\$250.00	\$2,750.00	\$525.00	\$5,775.00
0062	New Water Meter Pit	1 EACH	\$5,000.00	\$5,000.00	\$4,810.00	\$4,610.00	\$5,000.00	\$5,000.00	\$4,725.00	\$4,725.00
0063	Relocate Water Service Stop Box	1 EACH	\$500.00	\$500.00	\$1,795.00	\$1,795.00	\$1,000.00	\$1,000.00	\$1,835.00	\$1,835.00
0064	New Stop Box Housing and New Stop Box Rod	2 EACH	\$1,000.00	\$2,000.00	\$512.35	\$1,024.70	\$1,000.00	\$2,000.00	\$525.00	\$1,050.00
0065	Check Depth of Water Service	5 EACH	\$1,500.00	\$7,500.00	\$512.35	\$2,561.75	\$500.00	\$2,500.00	\$525.00	\$2,625.00
0066	New Water Service	1 EACH	\$2,000.00	\$2,000.00	\$2,050.00	\$2,050.00	\$1,000.00	\$1,000.00	\$2,100.00	\$2,100.00
0067	Lower Water Service	1 EACH	\$1,000.00	\$1,000.00	\$2,050.00	\$2,050.00	\$500.00	\$500.00	\$2,100.00	\$2,100.00
0068	Lower Water Service With Copper	1 EACH	\$1,500.00	\$1,500.00	\$2,050.00	\$2,050.00	\$500.00	\$500.00	\$2,100.00	\$2,100.00
0069	Relocate Water Service	1 EACH	\$1,000.00	\$1,000.00	\$2,050.00	\$2,050.00	\$500.00	\$500.00	\$2,100.00	\$2,100.00
0070	Disconnect Water Service	1 EACH	\$500.00	\$500.00	\$512.35	\$512.35	\$500.00	\$500.00	\$525.00	\$525.00
0071	Water Service Tap	1 EACH	\$500.00	\$500.00	\$1,550.00	\$1,550.00	\$500.00	\$500.00	\$1,575.00	\$1,575.00
0072	Tree Protection Fence	250 LF	\$4.00	\$1,000.00	\$6.75	\$1,687.50	\$5.00	\$1,250.00	\$4.25	\$1,062.50
0073	Remove and Replace Fire Hydrant Assembly #1	1 LS	\$3,500.00	\$3,500.00	\$5,650.00	\$5,650.00	\$6,500.00	\$6,500.00	\$5,775.00	\$5,775.00
0074	Remove and Replace Fire Hydrant Assembly #2	1 LS	\$6,500.00	\$6,500.00	\$5,650.00	\$5,650.00	\$10,000.00	\$10,000.00	\$5,775.00	\$5,775.00
0075	Stormwater Pollution Prevention	1 LS	\$7,500.00	\$7,500.00	\$6,660.00	\$6,660.00	\$2,000.00	\$2,000.00	\$4,200.00	\$4,200.00
0076	Subgrade Preparation	2560 SY	\$7.00	\$17,920.00	\$2.60	\$6,656.00	\$2.50	\$6,400.00	\$2.75	\$7,040.00
0077	Mulching, Bonded Fiber Matrix	1.1 ACRE	\$3,000.00	\$3,300.00	\$4,100.00	\$4,510.00	\$3,000.00	\$3,300.00	\$2,625.00	\$2,887.50
0078	Seeding and Fertilizing (Urban)	1.1 ACRE	\$1,500.00	\$1,650.00	\$3,600.00	\$3,960.00	\$1,200.00	\$1,320.00	\$1,365.00	\$1,501.50
0079	Slope Protection, Wood Excelsior Mat	30 SQ	\$15.00	\$450.00	\$25.65	\$769.50	\$30.00	\$900.00	\$15.75	\$472.50
0080	Sodding	76.25 SQ	\$75.00	\$5,718.75	\$87.10	\$6,641.38	\$60.00	\$4,575.00	\$46.25	\$3,528.56
0081	Stabilizing Crop - Seeding and Fertilizing (Urban)	1.1 ACRE	\$1,100.00	\$1,210.00	\$1,535.00	\$1,688.50	\$700.00	\$770.00	\$1,050.00	\$1,155.00
0082	Watering for Sod, Special Ditch Control, or Slope Protection	100 MGAL	\$60.00	\$6,000.00	\$61.50	\$6,150.00	\$40.00	\$4,000.00	\$63.00	\$6,300.00
0083	Mobilization for Watering	8 EACH	\$350.00	\$2,800.00	\$360.00	\$2,880.00	\$100.00	\$800.00	\$365.00	\$2,920.00
0084	Silt Fence	500 LF	\$2.00	\$1,000.00	\$1.80	\$900.00	\$2.00	\$1,000.00	\$1.50	\$750.00
0085	Removal of Silt Fence	500 LF	\$0.50	\$250.00	\$0.30	\$150.00	\$0.15	\$75.00	\$0.50	\$250.00
0086	Maintenance of Silt Fence	100 LF	\$0.25	\$25.00	\$1.05	\$105.00	\$1.00	\$100.00	\$0.50	\$50.00
0087	Perimeter and Slope Sediment Control Device, 9 In. Dia.	500 LF	\$2.00	\$1,000.00	\$5.15	\$2,575.00	\$2.00	\$1,000.00	\$1.50	\$750.00
0088	Removal of Perimeter and Slope Sediment Control Device	500 LF	\$0.50	\$250.00	\$1.05	\$525.00	\$0.25	\$125.00	\$0.50	\$250.00
0089	Mobilizations, Erosion Control	12 EACH	\$500.00	\$6,000.00	\$515.00	\$6,180.00	\$400.00	\$4,800.00	\$525.00	\$6,300.00
0090	Mobilizations, Emergency Erosion Control	1 EACH	\$1,000.00	\$1,000.00	\$1,025.00	\$1,025.00	\$1,000.00	\$1,000.00	\$1,050.00	\$1,050.00
TOTAL CONSTRUCTION COST				\$1,500,000.00		\$1,169,224.88		\$1,273,338.50		\$1,283,269.10
PERCENT OF ENGINEER'S ESTIMATE						-22.05%		-15.11%		-14.45%
						Low				

TABULATED BY: Z. Erickson      APPROVED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

**CONTRACTOR'S BID TABULATION**

PROJECT: E. 42ND STREET AND HUBBELL AVENUE INTERSECTION IMPROVEMENTS

-----ESTIMATE-----

HAWKEYE  
PAVING CORP.  
BETTENDORF, IA

MPS ENGINEERS, P.C.  
dba KINGSTON SERVICES  
DES MOINES, IA

TK CONCRETE, INC.  
PELLA, IA

BID SECURITY  
10% BID BOND  
BID PRICE

BID SECURITY  
10% BID BOND  
BID PRICE

BID SECURITY  
10% BID BOND  
BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
0001	Clearing and Grubbing	69.6	UNIT	\$70.00	\$4,872.00	\$30.00	\$2,088.00	\$150.00	\$10,440.00	\$75.00	\$5,220.00
0002	Excavation, Class 10, Roadway and Borrow	800	CY	\$15.00	\$12,000.00	\$15.00	\$12,000.00	\$56.00	\$44,800.00	\$17.50	\$14,000.00
0003	Topsoil, Furnish and Spread	145	CY	\$25.00	\$3,625.00	\$50.00	\$7,250.00	\$24.00	\$3,480.00	\$45.00	\$6,525.00
0004	Topsoil, Strip, Salvage and Spread	805	CY	\$15.00	\$12,075.00	\$20.00	\$16,100.00	\$21.00	\$16,905.00	\$15.00	\$12,075.00
0005	Subgrade Stabilization Material, Polymer Grid	1785	SY	\$3.00	\$5,355.00	\$2.00	\$3,570.00	\$1.50	\$2,677.50	\$3.00	\$5,355.00
0006	Modified Subbase	725	CY	\$60.00	\$43,500.00	\$75.00	\$54,375.00	\$48.00	\$34,800.00	\$55.00	\$39,875.00
0007	Shoulder Finishing, Earth	23.2	STA	\$550.00	\$12,760.00	\$200.00	\$4,640.00	\$350.00	\$8,120.00	\$475.00	\$11,020.00
0008	Base, Standard or Slip Form P.C. Concrete, 8 In.	1400	SY	\$70.00	\$98,000.00	\$75.00	\$105,000.00	\$76.00	\$106,400.00	\$67.50	\$94,500.00
0009	Excavation, Class 13, For Widening	1155	CY	\$17.00	\$19,635.00	\$15.00	\$17,325.00	\$21.00	\$24,255.00	\$15.00	\$17,325.00
0010	Removal of Curb	27.5	STA	\$10.00	\$275.00	\$900.00	\$24,750.00	\$120.00	\$3,300.00	\$20.00	\$550.00
0011	Relocation of Mail Boxes	2	EACH	\$300.00	\$600.00	\$200.00	\$400.00	\$255.00	\$510.00	\$500.00	\$1,000.00
0012	Pavement Scarification	5170	SY	\$5.00	\$25,850.00	\$3.00	\$15,510.00	\$4.00	\$20,680.00	\$4.80	\$24,816.00
0013	Standard or Slip-Form Portland Cement Concrete Pavement, QM-C, Class 3 D	1600	SY	\$75.00	\$120,000.00	\$79.00	\$126,400.00	\$82.00	\$131,200.00	\$72.00	\$115,200.00
0014	Portland Cement Concrete Pavement Samples	1	LS	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00	\$3,500.00	\$3,500.00
0015	Hot Mix Asphalt Standard Traffic, Base Course, 3/4 In. Mix	110	TON	\$90.00	\$9,900.00	\$63.00	\$6,930.00	\$67.00	\$7,370.00	\$80.00	\$8,800.00
0016	Hot Mix Asphalt High Traffic, Intermediate Course, 1/2 In. Mix	225	TON	\$90.00	\$20,250.00	\$63.00	\$14,175.00	\$62.00	\$13,950.00	\$75.00	\$16,875.00
0017	Hot Mix Asphalt High Traffic, Surface Course, 1/2 In. Mix, No Special Friction F	960	TON	\$100.00	\$96,000.00	\$55.00	\$52,800.00	\$57.00	\$54,720.00	\$68.00	\$65,280.00
0018	Asphalt Binder, PG 58-28S, Standard Traffic	6.6	TON	\$500.00	\$3,300.00	\$385.00	\$2,541.00	\$438.00	\$2,890.80	\$550.00	\$3,630.00
0019	Asphalt Binder, PG 58-28H, High Traffic	71.1	TON	\$500.00	\$35,550.00	\$460.00	\$32,706.00	\$512.00	\$36,403.20	\$600.00	\$42,660.00
0020	Hot Mix Asphalt Pavement Samples	1	LS	\$5,000.00	\$5,000.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
0021	Hot Mix Asphalt, Driveway	1150	SY	\$70.00	\$80,500.00	\$42.00	\$48,300.00	\$40.00	\$46,000.00	\$49.00	\$56,350.00
0022	Surfacing, Driveway, Class A Crushed Stone	250	TON	\$50.00	\$12,500.00	\$25.00	\$6,250.00	\$36.00	\$9,000.00	\$40.00	\$10,000.00
0023	Removals, As Per Plan	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$18,750.00	\$18,750.00	\$10,000.00	\$10,000.00
0024	Modular Block Retaining Wall	200	SF	\$40.00	\$8,000.00	\$35.00	\$7,000.00	\$58.00	\$11,600.00	\$40.00	\$8,000.00
0025	Manhole, Sanitary Sewer, SW-304, Top Only	4	EACH	\$2,500.00	\$10,000.00	\$4,000.00	\$16,000.00	\$2,000.00	\$8,000.00	\$2,750.00	\$11,000.00
0026	Manhole, Storm Sewer, SW-401, 48 In.	2	EACH	\$4,500.00	\$9,000.00	\$5,000.00	\$10,000.00	\$4,500.00	\$9,000.00	\$5,000.00	\$10,000.00
0027	Intake, SW-501	2	EACH	\$4,000.00	\$8,000.00	\$5,000.00	\$10,000.00	\$4,500.00	\$9,000.00	\$4,250.00	\$8,500.00
0028	Intake, SW-507	2	EACH	\$8,000.00	\$16,000.00	\$6,000.00	\$12,000.00	\$5,000.00	\$10,000.00	\$8,750.00	\$17,500.00
0029	Intake, SW-512, 24 In.	1	EACH	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,850.00	\$2,850.00
0030	Manhole Adjustment, Minor	3	EACH	\$1,500.00	\$4,500.00	\$2,000.00	\$6,000.00	\$1,200.00	\$3,600.00	\$1,500.00	\$4,500.00
0031	Subdrain, Longitudinal, (Shoulder) 6 In. Dia.	2313	LF	\$25.00	\$57,825.00	\$12.00	\$27,756.00	\$18.00	\$41,634.00	\$20.00	\$46,260.00
0032	Subdrain Riser, 6 In., As Per Plan	6	EACH	\$500.00	\$3,000.00	\$450.00	\$2,700.00	\$750.00	\$4,500.00	\$450.00	\$2,700.00
0033	Subdrain Outlet, DR-303	10	EACH	\$400.00	\$4,000.00	\$450.00	\$4,500.00	\$750.00	\$7,500.00	\$400.00	\$4,000.00
0034	Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000C	56	LF	\$125.00	\$7,000.00	\$150.00	\$8,400.00	\$95.00	\$5,320.00	\$135.00	\$7,560.00
0035	Removal of Pavement	2300	SY	\$15.00	\$34,500.00	\$15.00	\$34,500.00	\$12.00	\$27,600.00	\$11.50	\$26,450.00
0036	Removal of Intakes and Utility Accesses	4	EACH	\$1,200.00	\$4,800.00	\$800.00	\$3,200.00	\$1,000.00	\$4,000.00	\$950.00	\$3,800.00
0037	Removal of Sidewalk	390	SY	\$7.00	\$2,730.00	\$10.00	\$3,900.00	\$10.00	\$3,900.00	\$10.00	\$3,900.00
0038	Sidewalk, P.C. Concrete, 4 In.	590	SY	\$40.00	\$23,600.00	\$52.00	\$30,680.00	\$54.00	\$31,860.00	\$45.00	\$26,550.00
0039	Sidewalk, P.C. Concrete, 6 In.	39.1	SY	\$55.00	\$2,150.50	\$80.00	\$3,128.00	\$60.00	\$2,346.00	\$100.00	\$3,910.00
0040	Detectable Warnings, Cast Iron	137.7	SF	\$50.00	\$6,885.00	\$45.00	\$6,196.50	\$45.00	\$6,196.50	\$40.00	\$5,508.00
0041	Curb and Gutter, P.C. Concrete, 1.5 Ft	960	LF	\$45.00	\$43,200.00	\$50.00	\$48,000.00	\$32.00	\$30,720.00	\$35.00	\$33,600.00
0042	Driveway, P.C. Concrete, 6 In.	400	SY	\$65.00	\$26,000.00	\$65.00	\$26,000.00	\$54.00	\$21,600.00	\$54.00	\$21,600.00
0043	Driveway, P.C. Concrete, 7 In.	640	SY	\$80.00	\$51,200.00	\$70.00	\$44,800.00	\$60.00	\$38,400.00	\$63.00	\$40,320.00
0044	Removal of Paved Drives	3260	SY	\$8.00	\$26,080.00	\$7.00	\$22,820.00	\$10.00	\$32,600.00	\$8.50	\$27,710.00
0045	Safety Closure	8	EACH	\$250.00	\$2,000.00	\$100.00	\$800.00	\$200.00	\$1,600.00	\$275.00	\$2,200.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0046	Fence, Chain Link, 48 in. Height	180 LF	\$25.00	\$4,500.00	\$19.00	\$3,420.00	\$19.00	\$3,420.00	\$29.00	\$5,220.00
0047	Removal of Fence, Chain Link	183 LF	\$5.00	\$915.00	\$5.00	\$915.00	\$4.70	\$860.10	\$10.00	\$1,830.00
0048	Removal of Fence, Wood	17 LF	\$6.00	\$102.00	\$14.00	\$238.00	\$15.00	\$255.00	\$30.00	\$510.00
0049	Traffic Signalization	1 LS	\$220,000.00	\$220,000.00	\$210,000.00	\$210,000.00	\$207,552.00	\$207,552.00	\$236,750.00	\$236,750.00
0050	Painted Pavement Marking, Waterborne or Solvent-Based	21.25 STA	\$100.00	\$2,125.00	\$68.00	\$1,445.00	\$68.00	\$1,445.00	\$60.00	\$1,275.00
0051	Painted Pavement Markings, Durable	19.65 STA	\$300.00	\$5,895.00	\$80.00	\$1,572.00	\$80.00	\$1,572.00	\$100.00	\$1,965.00
0052	Permanent Tape Markings, Profiled Pavement Marking Tape	62 STA	\$400.00	\$24,800.00	\$300.00	\$18,600.00	\$300.00	\$18,600.00	\$400.00	\$24,800.00
0053	Painted Symbols and Legends, Durable	7 EACH	\$250.00	\$1,750.00	\$100.00	\$700.00	\$100.00	\$700.00	\$250.00	\$1,750.00
0054	Grooves Cut for Pavement Markings	81.65 STA	\$100.00	\$8,165.00	\$43.00	\$3,510.95	\$45.00	\$3,674.25	\$80.00	\$6,532.00
0055	Grooves Cut for Symbols and Legends	7 EACH	\$200.00	\$1,400.00	\$95.00	\$665.00	\$100.00	\$700.00	\$150.00	\$1,050.00
0056	Traffic Control	1 LS	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00	\$24,000.00	\$24,000.00	\$15,000.00	\$15,000.00
0057	Flagger, Uniformed Police Officer	10 EACH	\$550.00	\$5,500.00	\$550.00	\$5,500.00	\$550.00	\$5,500.00	\$550.00	\$5,500.00
0058	Portable Dynamic Message Sign (PDMS)	28 CDAY	\$100.00	\$2,800.00	\$100.00	\$2,800.00	\$100.00	\$2,800.00	\$200.00	\$5,600.00
0059	Mobilization	1 LS	\$112,206.75	\$112,206.75	\$110,000.00	\$110,000.00	\$110,000.00	\$110,000.00	\$107,500.00	\$107,500.00
0060	Collar Connection, RCP	1 EACH	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$1,800.00	\$1,800.00	\$2,000.00	\$2,000.00
0061	Adjustment of Fixtures	11 EACH	\$750.00	\$8,250.00	\$250.00	\$2,750.00	\$670.00	\$7,370.00	\$800.00	\$8,800.00
0062	New Water Meter Pit	1 EACH	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$5,400.00	\$5,400.00	\$6,750.00	\$6,750.00
0063	Relocate Water Service Stop Box	1 EACH	\$500.00	\$500.00	\$1,500.00	\$1,500.00	\$450.00	\$450.00	\$1,500.00	\$1,500.00
0064	New Stop Box Housing and New Stop Box Rod	2 EACH	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$750.00	\$1,500.00	\$1,750.00	\$3,500.00
0065	Check Depth of Water Service	5 EACH	\$1,500.00	\$7,500.00	\$1,000.00	\$5,000.00	\$1,250.00	\$6,250.00	\$1,750.00	\$8,750.00
0066	New Water Service	1 EACH	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$3,500.00	\$3,500.00
0067	Lower Water Service	1 EACH	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$2,250.00	\$2,250.00	\$2,000.00	\$2,000.00
0068	Lower Water Service With Copper	1 EACH	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00	\$2,400.00	\$2,400.00	\$2,500.00	\$2,500.00
0069	Relocate Water Service	1 EACH	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00
0070	Disconnect Water Service	1 EACH	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$800.00	\$800.00	\$1,500.00	\$1,500.00
0071	Water Service Tap	1 EACH	\$500.00	\$500.00	\$1,500.00	\$1,500.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00
0072	Tree Protection Fence	250 LF	\$4.00	\$1,000.00	\$5.00	\$1,250.00	\$4.00	\$1,000.00	\$6.00	\$1,500.00
0073	Remove and Replace Fire Hydrant Assembly #1	1 LS	\$3,500.00	\$3,500.00	\$8,000.00	\$8,000.00	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00
0074	Remove and Replace Fire Hydrant Assembly #2	1 LS	\$6,500.00	\$6,500.00	\$9,000.00	\$9,000.00	\$8,500.00	\$8,500.00	\$7,500.00	\$7,500.00
0075	Stormwater Pollution Prevention	1 LS	\$7,500.00	\$7,500.00	\$2,000.00	\$2,000.00	\$3,400.00	\$3,400.00	\$2,500.00	\$2,500.00
0076	Subgrade Preparation	2560 SY	\$7.00	\$17,920.00	\$2.00	\$5,120.00	\$5.50	\$14,080.00	\$5.00	\$12,800.00
0077	Mulching, Bonded Fiber Matrix	1.1 ACRE	\$3,000.00	\$3,300.00	\$3,000.00	\$3,300.00	\$3,400.00	\$3,740.00	\$3,800.00	\$4,180.00
0078	Seeding and Fertilizing (Urban)	1.1 ACRE	\$1,500.00	\$1,650.00	\$1,100.00	\$1,210.00	\$1,500.00	\$1,650.00	\$1,500.00	\$1,650.00
0079	Slope Protection, Wood Excelsior Mat	30 SQ	\$15.00	\$450.00	\$27.00	\$810.00	\$18.00	\$540.00	\$40.00	\$1,200.00
0080	Sodding	76.25 SQ	\$75.00	\$5,718.75	\$55.00	\$4,193.75	\$90.00	\$6,862.50	\$80.00	\$6,100.00
0081	Stabilizing Crop - Seeding and Fertilizing (Urban)	1.1 ACRE	\$1,100.00	\$1,210.00	\$650.00	\$715.00	\$1,200.00	\$1,320.00	\$1,000.00	\$1,100.00
0082	Watering for Sod, Special Ditch Control, or Slope Protection	100 MGAL	\$60.00	\$6,000.00	\$38.00	\$3,800.00	\$100.00	\$10,000.00	\$55.00	\$5,500.00
0083	Mobilization for Watering	8 EACH	\$350.00	\$2,800.00	\$75.00	\$600.00	\$500.00	\$4,000.00	\$150.00	\$1,200.00
0084	Silt Fence	500 LF	\$2.00	\$1,000.00	\$2.00	\$1,000.00	\$2.00	\$1,000.00	\$3.00	\$1,500.00
0085	Removal of Silt Fence	500 LF	\$0.50	\$250.00	\$0.10	\$50.00	\$0.50	\$250.00	\$1.00	\$500.00
0086	Maintenance of Silt Fence	100 LF	\$0.25	\$25.00	\$1.00	\$100.00	\$0.50	\$50.00	\$2.00	\$200.00
0087	Perimeter and Slope Sediment Control Device, 9 in. Dia.	500 LF	\$2.00	\$1,000.00	\$2.00	\$1,000.00	\$3.25	\$1,625.00	\$3.00	\$1,500.00
0088	Removal of Perimeter and Slope Sediment Control Device	500 LF	\$0.50	\$250.00	\$0.10	\$50.00	\$0.50	\$250.00	\$1.00	\$500.00
0089	Mobilizations, Erosion Control	12 EACH	\$500.00	\$6,000.00	\$350.00	\$4,200.00	\$350.00	\$4,200.00	\$500.00	\$6,000.00
0090	Mobilizations, Emergency Erosion Control	1 EACH	\$1,000.00	\$1,000.00	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
TOTAL CONSTRUCTION COST				\$1,500,000.00		\$1,343,255.20		\$1,398,393.85		\$1,405,986.00
PERCENT OF ENGINEER'S ESTIMATE						-10.45%		-6.77%		-6.27%

48

TABULATED BY: Z. Erickson APPROVED BY \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

**CONTRACTOR'S BID TABULATION**  
PROJECT: E. 42ND STREET AND HUBBELL AVENUE INTERSECTION IMPROVEMENTS

-----ESTIMATE-----

ELDER CORPORATION  
DES MOINES, IA

BID SECURITY  
10% BID BOND  
BID PRICE

SYNERGY  
CONTRACTING, LLC  
BONDURANT, IA

BID SECURITY  
10% BID BOND  
BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0001	Clearing and Grubbing	69.6 UNIT	\$70.00	\$4,872.00	\$100.00	\$6,960.00	\$130.00	\$9,048.00
0002	Excavation, Class 10, Roadway and Borrow	800 CY	\$15.00	\$12,000.00	\$45.00	\$36,000.00	\$20.80	\$16,640.00
0003	Topsoil, Furnish and Spread	145 CY	\$25.00	\$3,625.00	\$55.00	\$7,975.00	\$39.00	\$5,655.00
0004	Topsoil, Strip, Salvage and Spread	805 CY	\$15.00	\$12,075.00	\$40.00	\$32,200.00	\$19.50	\$15,697.50
0005	Subgrade Stabilization Material, Polymer Grid	1785 SY	\$3.00	\$5,355.00	\$5.00	\$8,925.00	\$3.90	\$6,961.50
0006	Modified Subbase	725 CY	\$60.00	\$43,500.00	\$75.00	\$54,375.00	\$71.50	\$51,837.50
0007	Shoulder Finishing, Earth	23.2 STA	\$550.00	\$12,760.00	\$600.00	\$13,920.00	\$292.50	\$6,786.00
0008	Base, Standard or Slip Form P.C. Concrete, 8 In.	1400 SY	\$70.00	\$98,000.00	\$70.00	\$98,000.00	\$71.50	\$100,100.00
0009	Excavation, Class 13, For Widening	1155 CY	\$17.00	\$19,635.00	\$60.00	\$69,300.00	\$15.60	\$18,018.00
0010	Removal of Curb	27.5 STA	\$10.00	\$275.00	\$1,800.00	\$49,500.00	\$325.00	\$8,937.50
0011	Relocation of Mail Boxes	2 EACH	\$300.00	\$600.00	\$500.00	\$1,000.00	\$130.00	\$260.00
0012	Pavement Scarification	5170 SY	\$5.00	\$25,850.00	\$3.00	\$15,510.00	\$3.90	\$20,163.00
0013	Standard or Slip-Form Portland Cement Concrete Pavement, QM-C, Class 3 D	1600 SY	\$75.00	\$120,000.00	\$70.00	\$112,000.00	\$104.00	\$166,400.00
0014	Portland Cement Concrete Pavement Samples	1 LS	\$2,500.00	\$2,500.00	\$750.00	\$750.00	\$2,600.00	\$2,600.00
0015	Hot Mix Asphalt Standard Traffic, Base Course, 3/4 In. Mix	110 TON	\$90.00	\$9,900.00	\$65.00	\$7,150.00	\$81.90	\$9,009.00
0016	Hot Mix Asphalt High Traffic, Intermediate Course, 1/2 In. Mix	225 TON	\$90.00	\$20,250.00	\$65.00	\$14,625.00	\$81.90	\$18,427.50
0017	Hot Mix Asphalt High Traffic, Surface Course, 1/2 In. Mix, No Special Friction F	960 TON	\$100.00	\$96,000.00	\$55.00	\$52,800.00	\$71.50	\$68,640.00
0018	Asphalt Binder, PG 58-28S, Standard Traffic	6.6 TON	\$500.00	\$3,300.00	\$400.00	\$2,640.00	\$500.50	\$3,303.30
0019	Asphalt Binder, PG 58-28H, High Traffic	71.1 TON	\$500.00	\$35,550.00	\$470.00	\$33,417.00	\$587.60	\$41,778.36
0020	Hot Mix Asphalt Pavement Samples	1 LS	\$5,000.00	\$5,000.00	\$520.00	\$520.00	\$650.00	\$650.00
0021	Hot Mix Asphalt, Driveway	1150 SY	\$70.00	\$80,500.00	\$43.00	\$49,450.00	\$54.60	\$62,790.00
0022	Surfacing, Driveway, Class A Crushed Stone	250 TON	\$50.00	\$12,500.00	\$43.00	\$10,750.00	\$42.90	\$10,725.00
0023	Removals, As Per Plan	1 LS	\$10,000.00	\$10,000.00	\$6,100.00	\$6,100.00	\$26,000.00	\$26,000.00
0024	Modular Block Retaining Wall	200 SF	\$40.00	\$8,000.00	\$35.00	\$7,000.00	\$45.50	\$9,100.00
0025	Manhole, Sanitary Sewer, SW-304, Top Only	4 EACH	\$2,500.00	\$10,000.00	\$2,500.00	\$10,000.00	\$3,640.00	\$14,560.00
0026	Manhole, Storm Sewer, SW-401, 48 In.	2 EACH	\$4,500.00	\$9,000.00	\$3,000.00	\$6,000.00	\$4,290.00	\$8,580.00
0027	Intake, SW-501	2 EACH	\$4,000.00	\$8,000.00	\$4,200.00	\$8,400.00	\$5,200.00	\$10,400.00
0028	Intake, SW-507	2 EACH	\$8,000.00	\$16,000.00	\$7,800.00	\$15,600.00	\$10,400.00	\$20,800.00
0029	Intake, SW-512, 24 in.	1 EACH	\$2,000.00	\$2,000.00	\$1,900.00	\$1,900.00	\$2,990.00	\$2,990.00
0030	Manhole Adjustment, Minor	3 EACH	\$1,500.00	\$4,500.00	\$1,100.00	\$3,300.00	\$1,950.00	\$5,850.00
0031	Subdrain, Longitudinal, (Shoulder) 6 In. Dia.	2313 LF	\$25.00	\$57,825.00	\$18.00	\$41,634.00	\$23.40	\$54,124.20
0032	Subdrain Riser, 6 In., As Per Plan	6 EACH	\$500.00	\$3,000.00	\$580.00	\$3,480.00	\$585.00	\$3,510.00
0033	Subdrain Outlet, DR-303	10 EACH	\$400.00	\$4,000.00	\$400.00	\$4,000.00	\$650.00	\$6,500.00
0034	Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000E	56 LF	\$125.00	\$7,000.00	\$126.00	\$7,056.00	\$111.80	\$6,260.80
0035	Removal of Pavement	2300 SY	\$15.00	\$34,500.00	\$16.00	\$36,800.00	\$10.40	\$23,920.00
0036	Removal of Intakes and Utility Accesses	4 EACH	\$1,200.00	\$4,800.00	\$930.00	\$3,720.00	\$260.00	\$1,040.00
0037	Removal of Sidewalk	390 SY	\$7.00	\$2,730.00	\$12.00	\$4,680.00	\$10.40	\$4,056.00
0038	Sidewalk, P.C. Concrete, 4 In.	590 SY	\$40.00	\$23,600.00	\$35.00	\$20,650.00	\$58.50	\$34,515.00
0039	Sidewalk, P.C. Concrete, 6 In.	39.1 SY	\$55.00	\$2,150.50	\$46.00	\$1,798.60	\$71.50	\$2,795.65
0040	Detectable Warnings, Cast Iron	137.7 SF	\$50.00	\$6,885.00	\$41.00	\$5,645.70	\$58.50	\$8,055.45
0041	Curb and Gutter, P.C. Concrete, 1.5 Ft	960 LF	\$45.00	\$43,200.00	\$30.00	\$28,800.00	\$45.50	\$43,680.00
0042	Driveway, P.C. Concrete, 6 In.	400 SY	\$65.00	\$26,000.00	\$50.00	\$20,000.00	\$58.50	\$23,400.00
0043	Driveway, P.C. Concrete, 7 In.	640 SY	\$80.00	\$51,200.00	\$55.00	\$35,200.00	\$65.00	\$41,600.00
0044	Removal of Paved Drives	3260 SY	\$8.00	\$26,080.00	\$10.00	\$32,600.00	\$10.40	\$33,904.00
0045	Safety Closure	8 EACH	\$250.00	\$2,000.00	\$100.00	\$800.00	\$130.00	\$1,040.00

48



ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0046	Fence, Chain Link, 48 in. Height	180 LF	\$25.00	\$4,500.00	\$30.00	\$5,400.00	\$32.50	\$5,850.00
0047	Removal of Fence, Chain Link	183 LF	\$5.00	\$915.00	\$10.00	\$1,830.00	\$6.50	\$1,189.50
0048	Removal of Fence, Wood	17 LF	\$6.00	\$102.00	\$50.00	\$850.00	\$7.80	\$132.60
0049	Traffic Signalization	1 LS	\$220,000.00	\$220,000.00	\$211,000.00	\$225,500.00	\$225,500.00	\$225,500.00
0050	Painted Pavement Marking, Waterborne or Solvent-Based	21.25 STA	\$100.00	\$2,125.00	\$70.00	\$1,487.50	\$88.40	\$1,878.50
0051	Painted Pavement Markings, Durable	19.65 STA	\$300.00	\$5,895.00	\$80.00	\$1,572.00	\$104.00	\$2,043.60
0052	Permanent Tape Markings, Profiled Pavement Marking Tape	62 STA	\$400.00	\$24,800.00	\$310.00	\$19,220.00	\$390.00	\$24,180.00
0053	Painted Symbols and Legends, Durable	7 EACH	\$250.00	\$1,750.00	\$100.00	\$700.00	\$130.00	\$910.00
0054	Grooves Cut for Pavement Markings	81.65 STA	\$100.00	\$8,165.00	\$45.00	\$3,674.25	\$55.90	\$4,564.24
0055	Grooves Cut for Symbols and Legends	7 EACH	\$200.00	\$1,400.00	\$100.00	\$700.00	\$123.50	\$864.50
0056	Flagger, Uniformed, Police Officer	1 LS	\$25,000.00	\$25,000.00	\$9,600.00	\$9,600.00	\$12,090.00	\$12,090.00
0057	Portable Dynamic Message Sign (PDMS)	10 EACH	\$550.00	\$5,500.00	\$550.00	\$5,500.00	\$550.00	\$5,500.00
0058	Mobilization	28 CDAY	\$100.00	\$2,800.00	\$100.00	\$2,800.00	\$130.00	\$3,640.00
0059	Collar Connection, RCP	1 LS	\$112,206.75	\$112,206.75	\$200,112.95	\$200,112.95	\$141,000.00	\$141,000.00
0060	Adjustment of Fixtures	1 EACH	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$2,600.00	\$2,600.00
0061	New Water Meter Pit	11 EACH	\$750.00	\$8,250.00	\$990.00	\$10,890.00	\$1,300.00	\$14,300.00
0062	Relocate Water Service Stop Box	1 EACH	\$5,000.00	\$5,000.00	\$7,600.00	\$7,600.00	\$5,850.00	\$5,850.00
0063	New Stop Box Housing and New Stop Box Rod	1 EACH	\$500.00	\$500.00	\$1,800.00	\$1,800.00	\$1,950.00	\$1,950.00
0064	Check Depth of Water Service	2 EACH	\$1,000.00	\$2,000.00	\$1,100.00	\$2,200.00	\$910.00	\$1,820.00
0065	Lower Water Service	5 EACH	\$2,000.00	\$10,000.00	\$2,200.00	\$11,000.00	\$650.00	\$3,250.00
0066	Lower Water Service With Copper	1 EACH	\$1,000.00	\$1,000.00	\$1,900.00	\$1,900.00	\$1,560.00	\$1,560.00
0067	Relocate Water Service	1 EACH	\$1,500.00	\$1,500.00	\$1,900.00	\$1,900.00	\$1,560.00	\$1,560.00
0068	Disconnect Water Service	1 EACH	\$1,000.00	\$1,000.00	\$2,300.00	\$2,300.00	\$2,990.00	\$2,990.00
0069	Water Service Tap	1 EACH	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$650.00	\$650.00
0070	Tree Protection Fence	1 EACH	\$500.00	\$500.00	\$2,800.00	\$2,800.00	\$2,080.00	\$2,080.00
0071	Remove and Replace Fire Hydrant Assembly #1	250 LF	\$4.00	\$1,000.00	\$7.00	\$1,750.00	\$5.20	\$1,300.00
0072	Remove and Replace Fire Hydrant Assembly #2	1 LS	\$3,500.00	\$3,500.00	\$6,100.00	\$6,100.00	\$6,110.00	\$6,110.00
0073	Stormwater Pollution Prevention	1 LS	\$6,500.00	\$6,500.00	\$7,500.00	\$7,500.00	\$6,500.00	\$6,500.00
0074	Subgrade Preparation	1 LS	\$7,500.00	\$7,500.00	\$1,900.00	\$1,900.00	\$5,200.00	\$5,200.00
0075	Mulching, Bonded Fiber Matrix	2560 SY	\$7.00	\$17,920.00	\$8.00	\$20,480.00	\$5.20	\$13,312.00
0076	Seeding and Fertilizing (Urban)	1.1 ACRE	\$3,000.00	\$3,300.00	\$2,900.00	\$3,190.00	\$3,250.00	\$3,575.00
0077	Slope Protection, Wood Excelsior Mat	1.1 ACRE	\$1,500.00	\$1,650.00	\$1,100.00	\$1,210.00	\$1,690.00	\$1,859.00
0078	Sodding	30 SQ	\$15.00	\$450.00	\$30.00	\$900.00	\$19.50	\$585.00
0079	Stabilizing Crop - Seeding and Fertilizing (Urban)	76.25 SQ	\$75.00	\$5,718.75	\$60.00	\$4,575.00	\$57.20	\$4,361.50
0080	Watering for Sod, Special Ditch Control, or Slope Protection	1.1 ACRE	\$1,100.00	\$1,210.00	\$670.00	\$737.00	\$1,300.00	\$1,430.00
0081	Mobilization for Watering	100 MGAL	\$80.00	\$8,000.00	\$40.00	\$4,000.00	\$78.00	\$7,800.00
0082	Silt Fence	8 EACH	\$350.00	\$2,800.00	\$80.00	\$640.00	\$455.00	\$3,640.00
0083	Removal of Silt Fence	500 LF	\$2.00	\$1,000.00	\$2.00	\$1,000.00	\$1.30	\$650.00
0084	Maintenance of Silt Fence	500 LF	\$0.50	\$250.00	\$1.00	\$500.00	\$0.65	\$325.00
0085	Perimeter and Slope Sediment Control Device, 9 in. Dia.	100 LF	\$0.25	\$25.00	\$1.00	\$100.00	\$0.65	\$65.00
0086	Removal of Perimeter and Slope Sediment Control Device	500 LF	\$2.00	\$1,000.00	\$2.00	\$1,000.00	\$1.30	\$650.00
0087	Mobilizations, Erosion Control	12 EACH	\$500.00	\$6,000.00	\$350.00	\$4,200.00	\$650.00	\$7,800.00
0088	Mobilizations, Emergency Erosion Control	1 EACH	\$1,000.00	\$1,000.00	\$750.00	\$750.00	\$1,300.00	\$1,300.00
0089	TOTAL CONSTRUCTION COST			\$1,500,000.00		\$1,550,000.00		\$1,569,228.70
0090	PERCENT OF ENGINEER'S ESTIMATE					+3.33%		+4.52%