



Date November 20, 2023

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON 16TH STREET AREA RECONSTRUCTION AND TRAIL CONNECTION; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS SHEKAR ENGINEERING, P.L.C., CHANDRA SHEKAR, PRESIDENT, \$3,261,617.37

WHEREAS, on October 02, 2023, under Roll Call No. 23-1290, 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:

16th Street Area Reconstruction and Trail Connection, Activity ID 062021012

The improvement includes Hot Mix Asphalt (HMA) multi-use trail, Portland Cement Concrete (PCC) pavement, sidewalk, multi-use trail, and driveways, pavement removal, storm sewer, water main, temporary traffic control, erosion control, retaining walls, surface restoration, and other incidental items, all in accordance with the contract documents, including Plan File No. 656-258/377, located on 16th Street from Euclid Avenue to Madison Avenue, Madison Avenue from 15th Street to 16th Street, and Seneca Avenue from 14th Street to 16th Street in Des Moines, Iowa

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

WHEREAS, in accordance with said notice, those interested in said proposed plans, specifications, form of contract documents, and Engineer's estimate of construction cost both for and against, have been given opportunity to be heard with respect thereto and have presented their views to the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That upon due consideration of the facts, and any and all statements of interested persons, any objections to the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement are overruled and the hearing is closed and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved.

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

- Shekar Engineering, P.L.C., Des Moines, IA - Low Bid
- Concrete Technologies, Inc., Grimes, IA
- TK Concrete, Inc., Pella, IA
- Absolute Concrete Construction, Inc. d/b/a Absolute Group, Slater, IA
- Jasper Construction Services, Inc., Newton, IA
- Corell Contractor, Inc., West Des Moines, 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 October 24, 2023. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.



Roll Call Number

Agenda Item Number

47

Date November 20, 2023

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 Shekar Engineering, P.L.C., Chandra Shekar, President, 2600 ML King Jr. Parkway, Des Moines, IA, 50310 in the amount of \$3,261,617.37, and said bid be and the same is hereby accepted.

BE IT FURTHER RESOLVED: That the bid security of the unsuccessful bidders be and is hereby authorized and directed to be returned in accordance with the Instructions to Bidders.

BE IT FURTHER RESOLVED: That the Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Engineer is directed to thereafter present said contract documents to this Council for approval and authorization to the Mayor to sign; and that no contract shall be deemed to exist between the City of Des Moines and said Bidder until said contract has been executed by the Bidder, and shall have been approved by this Council and executed by the Mayor and attested to by the City Clerk.

BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary closure of all public grounds, streets, sidewalks, alleys, bridges, culverts, overpasses, underpasses, grade crossing separations and approaches, public ways, squares, and commons for the Project.

(Council Communication No. 23-507 attached)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE:

s/Kathleen Vanderpool

s/Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance



Funding Source: 2023-24 CIP, Page 112, Roadway Rehabilitation – Residential, ST013, \$1,356,112.37 G.O. Bonds, \$750,000 American Rescue Plan Act (ARPA) Funding for Sidewalk and Trails, \$334,063 ARPA Funding for Water Main, \$196,500 of Storm Water Funds transferred from SM057, \$450,000 G.O. Bonds transferred from SW081, and the remaining \$174,942 from Des Moines Water Works



Roll Call Number

Agenda Item Number

47

Date November 20, 2023

| COUNCIL ACTION | YEAS | NAYS | PASS | ABSENT |
|----------------|------|------|----------|--------|
| COWNIE | | | | |
| BOESEN | | | | |
| GATTO | | | | |
| MANDELBAUM | | | | |
| VOSS | | | | |
| WESTERGAARD | | | | |
| TOTAL | | | | |
| MOTION CARRIED | | | APPROVED | |
| | | | | Mayor |

CERTIFICATE

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

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

_____ City Clerk

TABULATED BY: N. Smith
CHECKED BY: CKK

APPROVED BY: Phillip J. Wagen

Shekar Engineering, PLC
Des Moines, IA

Concrete Technologies Inc
Grimes, IA

TK Concrete, Inc
Pella, IA

CONTRACTOR'S BID TABULATION
PROJECT: 16th Street Area Reconstruction and Trail Connection

BID SECURITY
10% Bid Bond

BID SECURITY
10% Bid Bond

BID SECURITY
10% Bid Bond

ESTIMATE

BID PRICE

BID PRICE

BID PRICE

| ITEM | DESCRIPTION | QUANTITY | UNIT | | UNIT | | UNIT | | UNIT | |
|------|---|-----------|-------------|--------------|------------|--------------|-------------|--------------|-------------|--------------|
| | | | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT |
| 0001 | Clearing and Grubbing | 1225 UNIT | \$35.00 | \$42,875.00 | \$66.00 | \$80,850.00 | \$92.00 | \$112,700.00 | \$68.80 | \$84,280.00 |
| 0002 | Clearing and Grubbing | 1.15 AC | \$15,000.00 | \$17,250.00 | \$9,350.00 | \$10,752.50 | \$12,750.00 | \$14,662.50 | \$10,000.00 | \$11,500.00 |
| 0003 | Topsoil, On-site | 675 CY | \$20.00 | \$13,500.00 | \$7.70 | \$5,197.50 | \$7.15 | \$4,826.25 | \$15.00 | \$10,125.00 |
| 0004 | Topsoil, Off-site | 800 CY | \$40.00 | \$32,000.00 | \$17.60 | \$14,080.00 | \$16.30 | \$13,040.00 | \$40.00 | \$32,000.00 |
| 0005 | Embankment-in-Place, Contractor Furnished | 2225 CY | \$30.00 | \$66,750.00 | \$17.60 | \$39,160.00 | \$16.30 | \$36,267.50 | \$20.00 | \$44,500.00 |
| 0006 | Excavation, Class 10, Roadway and Borrow | 6700 CY | \$15.00 | \$100,500.00 | \$9.90 | \$66,330.00 | \$9.20 | \$61,640.00 | \$14.75 | \$98,825.00 |
| 0007 | Excavation, Class 13, Waste | 500 CY | \$30.00 | \$15,000.00 | \$17.60 | \$8,800.00 | \$16.30 | \$8,150.00 | \$22.50 | \$11,250.00 |
| 0008 | Subgrade Preparation, 6" | 10250 SY | \$2.00 | \$20,500.00 | \$2.75 | \$28,187.50 | \$2.55 | \$26,137.50 | \$2.80 | \$28,700.00 |
| 0009 | Granular Stabilization, 3" Clean | 500 TON | \$75.00 | \$37,500.00 | \$39.60 | \$19,800.00 | \$36.75 | \$18,375.00 | \$38.50 | \$19,250.00 |
| 0010 | Subgrade Treatment, Non-Woven Fabric, 6oz | 2050 SY | \$3.00 | \$6,150.00 | \$3.30 | \$6,765.00 | \$3.05 | \$6,252.50 | \$3.50 | \$7,175.00 |
| 0011 | Subgrade Treatment, Woven Geotextile, Mirafi HP570 | 10250 SY | \$5.00 | \$51,250.00 | \$3.85 | \$39,462.50 | \$3.55 | \$36,387.50 | \$3.80 | \$38,950.00 |
| 0012 | Subbase, Modified Subbase, Shared Use Path, 6" | 2500 SY | \$12.00 | \$30,000.00 | \$12.10 | \$30,250.00 | \$11.25 | \$28,125.00 | \$12.00 | \$30,000.00 |
| 0013 | Subbase, Modified Subbase, 8" | 10250 SY | \$15.00 | \$153,750.00 | \$13.20 | \$135,300.00 | \$12.25 | \$125,562.50 | \$13.50 | \$138,375.00 |
| 0014 | Class R-4 Concrete Encasement, Existing 30" | 80 LF | \$30.00 | \$2,400.00 | \$175.00 | \$14,000.00 | \$86.70 | \$6,936.00 | \$95.00 | \$7,600.00 |
| 0015 | Sanitary Sewer Gravity Main, Trenched, 10" | 130 LF | \$100.00 | \$13,000.00 | \$97.87 | \$12,723.10 | \$142.80 | \$18,564.00 | \$105.00 | \$13,650.00 |
| 0016 | Sanitary Sewer Service Relocation | 10 EA | \$2,500.00 | \$25,000.00 | \$1,284.48 | \$12,844.80 | \$1,225.00 | \$12,250.00 | \$3,500.00 | \$35,000.00 |
| 0017 | Sanitary Sewer Service Relocation, Additional Length | 200 LF | \$65.00 | \$13,000.00 | \$64.06 | \$12,812.00 | \$15.30 | \$3,060.00 | \$65.00 | \$13,000.00 |
| 0018 | Removal of Sanitary Sewer, ≤ 30" | 130 LF | \$20.00 | \$2,600.00 | \$60.00 | \$7,800.00 | \$35.70 | \$4,641.00 | \$9.50 | \$1,235.00 |
| 0019 | Storm Sewer, Trenched, PVC, 6" | 255 LF | \$40.00 | \$10,200.00 | \$59.53 | \$15,180.15 | \$14.25 | \$3,633.75 | \$60.00 | \$15,300.00 |
| 0020 | Storm Sewer, Trenched, 15" | 440 LF | \$110.00 | \$48,400.00 | \$71.38 | \$31,407.20 | \$63.25 | \$27,830.00 | \$105.00 | \$46,200.00 |
| 0021 | Storm Sewer, Trenched, 18" | 125 LF | \$120.00 | \$15,000.00 | \$79.93 | \$9,991.25 | \$76.50 | \$9,562.50 | \$120.00 | \$15,000.00 |
| 0022 | Storm Sewer, Trenched, 24" | 275 LF | \$150.00 | \$41,250.00 | \$86.43 | \$23,768.25 | \$86.70 | \$23,842.50 | \$150.00 | \$41,250.00 |
| 0023 | Storm Sewer, Trenched, 30" | 20 LF | \$180.00 | \$3,600.00 | \$107.80 | \$2,156.00 | \$97.00 | \$1,940.00 | \$225.00 | \$4,500.00 |
| 0024 | Storm Sewer, Trenched, RCP, 42" | 45 LF | \$225.00 | \$10,125.00 | \$300.00 | \$13,500.00 | \$184.00 | \$8,280.00 | \$250.00 | \$11,250.00 |
| 0025 | Removal of Storm Sewer, Less than 30" Dia. | 300 LF | \$20.00 | \$6,000.00 | \$40.00 | \$12,000.00 | \$35.75 | \$10,725.00 | \$20.50 | \$6,150.00 |
| 0026 | Pipe Apron, RCP, 42" | 3 EA | \$6,000.00 | \$18,000.00 | \$2,500.00 | \$7,500.00 | \$6,630.00 | \$19,890.00 | \$6,200.00 | \$18,600.00 |
| 0027 | Footing for Concrete Pipe Apron, RCP, 42" | 3 EA | \$1,500.00 | \$4,500.00 | \$1,750.00 | \$5,250.00 | \$765.00 | \$2,295.00 | \$2,000.00 | \$6,000.00 |
| 0028 | Subdrain, 6" | 240 LF | \$40.00 | \$9,600.00 | \$24.36 | \$5,846.40 | \$26.50 | \$6,360.00 | \$30.00 | \$7,200.00 |
| 0029 | Subdrain Cleanout, Type A-1 | 1 EA | \$750.00 | \$750.00 | \$733.70 | \$733.70 | \$663.00 | \$663.00 | \$1,000.00 | \$1,000.00 |
| 0030 | Subdrain Outlets and Connections, CMP, 6" | 13 EA | \$500.00 | \$6,500.00 | \$1,589.70 | \$20,666.10 | \$255.00 | \$3,315.00 | \$300.00 | \$3,900.00 |
| 0031 | Water Service Material Check | 4 EA | \$750.00 | \$3,000.00 | \$1,100.00 | \$4,400.00 | \$460.00 | \$1,840.00 | \$300.00 | \$1,200.00 |
| 0032 | New Stop Box Housing and New Stop Box Rod | 10 EA | \$1,000.00 | \$10,000.00 | \$284.64 | \$2,846.40 | \$560.00 | \$5,600.00 | \$650.00 | \$6,500.00 |
| 0033 | Adjust Stop Box to New Grade in Pavement, Locking Lid | 15 EA | \$500.00 | \$7,500.00 | \$376.20 | \$5,643.00 | \$663.00 | \$9,945.00 | \$350.00 | \$5,250.00 |
| 0034 | Manhole, SW-301, 48" | 1 EA | \$7,500.00 | \$7,500.00 | \$5,552.40 | \$5,552.40 | \$5,610.00 | \$5,610.00 | \$7,000.00 | \$7,000.00 |
| 0035 | Manhole, SW-401, 48" | 2 EA | \$6,000.00 | \$12,000.00 | \$6,275.50 | \$12,551.00 | \$4,285.00 | \$8,570.00 | \$8,500.00 | \$17,000.00 |
| 0036 | Manhole, SW-401, 60" | 1 EA | \$8,000.00 | \$8,000.00 | \$8,025.50 | \$8,025.50 | \$5,610.00 | \$5,610.00 | \$10,500.00 | \$10,500.00 |
| 0037 | Intake, SW-501 | 1 EA | \$3,500.00 | \$3,500.00 | \$8,715.00 | \$8,715.00 | \$5,712.00 | \$5,712.00 | \$5,500.00 | \$5,500.00 |
| 0038 | Intake, SW-504, Modified | 1 EA | \$6,000.00 | \$6,000.00 | \$9,568.10 | \$9,568.10 | \$8,875.00 | \$8,875.00 | \$12,500.00 | \$12,500.00 |
| 0039 | Intake, SW-505 | 7 EA | \$7,500.00 | \$52,500.00 | \$9,116.00 | \$63,812.00 | \$8,500.00 | \$59,500.00 | \$6,800.00 | \$46,200.00 |
| 0040 | Intake, SW-508 | 1 EA | \$8,500.00 | \$8,500.00 | \$8,953.20 | \$8,953.20 | \$12,750.00 | \$12,750.00 | \$11,000.00 | \$11,000.00 |
| 0041 | Intake, SW-509 | 7 EA | \$9,500.00 | \$66,500.00 | \$8,953.20 | \$62,672.40 | \$12,750.00 | \$89,250.00 | \$8,000.00 | \$56,000.00 |
| 0042 | Intake, SW-512, 18", Type 3 Casting | 6 EA | \$500.00 | \$3,000.00 | \$3,246.40 | \$19,478.40 | \$2,550.00 | \$15,300.00 | \$3,350.00 | \$20,100.00 |
| 0043 | Internal Drop Connection | 1 EA | \$2,500.00 | \$2,500.00 | \$3,707.40 | \$3,707.40 | \$8,670.00 | \$8,670.00 | \$3,000.00 | \$3,000.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | | UNIT | | UNIT | | UNIT | |
|------|--|----------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| | | | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT |
| 0044 | Manhole Adjustment, Minor, Sanitary | 9 EA | \$1,000.00 | \$9,000.00 | \$1,972.70 | \$17,754.30 | \$1,890.00 | \$17,010.00 | \$1,950.00 | \$17,550.00 |
| 0045 | Manhole Adjustment, Major, Sanitary | 9 EA | \$2,000.00 | \$18,000.00 | \$4,135.20 | \$37,216.80 | \$3,215.00 | \$28,935.00 | \$4,250.00 | \$38,250.00 |
| 0046 | Intake Adjustment, Major | 3 EA | \$3,500.00 | \$10,500.00 | \$3,671.00 | \$11,013.00 | \$3,315.00 | \$9,945.00 | \$4,250.00 | \$12,750.00 |
| 0047 | Connection to Existing Manhole | 1 EA | \$1,000.00 | \$1,000.00 | \$1,884.20 | \$1,884.20 | \$1,225.00 | \$1,225.00 | \$3,360.00 | \$3,360.00 |
| 0048 | Remove Manhole/Intake | 5 EA | \$1,200.00 | \$6,000.00 | \$2,500.00 | \$12,500.00 | \$867.00 | \$4,335.00 | \$1,000.00 | \$5,000.00 |
| 0049 | Pavement, PCC, 6" | 8800 SY | \$65.00 | \$572,000.00 | \$52.23 | \$459,624.00 | \$66.50 | \$585,200.00 | \$62.50 | \$550,000.00 |
| 0050 | Pavement Base, PCC, 9" | 70 SY | \$100.00 | \$7,000.00 | \$175.74 | \$12,301.80 | \$122.50 | \$8,575.00 | \$100.00 | \$7,000.00 |
| 0051 | HMA High Traffic (HT) Surface, 1/2", PG 58-28H | 15 TON | \$175.00 | \$2,625.00 | \$330.00 | \$4,950.00 | \$382.50 | \$5,737.50 | \$400.00 | \$6,000.00 |
| 0052 | Removal of Sidewalk and Driveway | 1125 SY | \$15.00 | \$16,875.00 | \$8.80 | \$9,900.00 | \$8.15 | \$9,168.75 | \$12.00 | \$13,500.00 |
| 0053 | Multi-Use Path, PCC, 6" | 950 SY | \$70.00 | \$66,500.00 | \$51.38 | \$48,811.00 | \$56.00 | \$53,200.00 | \$58.50 | \$55,575.00 |
| 0054 | Multi-Use Path, HMA, Base, 4" | 1100 SY | \$30.00 | \$33,000.00 | \$30.87 | \$33,957.00 | \$31.65 | \$34,815.00 | \$37.50 | \$41,250.00 |
| 0055 | Multi-Use Path, HMA, Surface, 2" | 1100 SY | \$15.00 | \$16,500.00 | \$16.34 | \$17,974.00 | \$17.85 | \$19,635.00 | \$20.00 | \$22,000.00 |
| 0056 | Special Subgrade Preparation for Shared Use Paths | 1105 SY | \$5.00 | \$5,525.00 | \$4.40 | \$4,862.00 | \$4.05 | \$4,475.25 | \$4.00 | \$4,420.00 |
| 0057 | Sidewalk, PCC, 4" | 2185 SY | \$60.00 | \$131,100.00 | \$40.94 | \$89,453.90 | \$53.00 | \$115,805.00 | \$58.00 | \$126,730.00 |
| 0058 | Sidewalk, PCC, 6" | 370 SY | \$70.00 | \$25,900.00 | \$58.80 | \$21,756.00 | \$106.00 | \$39,220.00 | \$85.00 | \$31,450.00 |
| 0059 | Detectable Warning, Cast Iron | 320 SF | \$50.00 | \$16,000.00 | \$50.00 | \$16,000.00 | \$51.00 | \$16,320.00 | \$55.00 | \$17,600.00 |
| 0060 | Driveway, Paved, PCC, 6" | 1455 SY | \$70.00 | \$101,850.00 | \$52.46 | \$76,329.30 | \$71.25 | \$103,668.75 | \$65.00 | \$94,575.00 |
| 0061 | Driveway, Granular | 150 TON | \$50.00 | \$7,500.00 | \$24.20 | \$3,630.00 | \$22.45 | \$3,367.50 | \$45.00 | \$6,750.00 |
| 0062 | Asphalt Emulsion for Fog Seal, HMA Shared Use Path | 135 GAL | \$15.00 | \$2,025.00 | \$16.50 | \$2,227.50 | \$15.30 | \$2,065.50 | \$20.00 | \$2,700.00 |
| 0063 | Pavement Removal | 9220 SY | \$15.00 | \$138,300.00 | \$10.14 | \$93,490.80 | \$9.15 | \$84,363.00 | \$12.50 | \$115,250.00 |
| 0064 | Removal of Sign and Sign Post | 20 EA | \$250.00 | \$5,000.00 | \$165.00 | \$3,300.00 | \$153.00 | \$3,060.00 | \$200.00 | \$4,000.00 |
| 0065 | Type A Signs, Sheet Aluminum | 200 SF | \$30.00 | \$6,000.00 | \$29.70 | \$5,940.00 | \$27.55 | \$5,510.00 | \$40.00 | \$8,000.00 |
| 0066 | Sign Post, Perforated Square, Steel Tube Post | 400 LF | \$25.00 | \$10,000.00 | \$29.70 | \$11,880.00 | \$27.55 | \$11,020.00 | \$35.00 | \$14,000.00 |
| 0067 | Temporary Traffic Control | 1 LS | \$20,000.00 | \$20,000.00 | \$39,060.00 | \$39,060.00 | \$28,500.00 | \$28,500.00 | \$35,000.00 | \$35,000.00 |
| 0068 | Seeding, Type 2 (Permanent Cool Season Mixture for Slopes and Ditches) | 0.5 AC | \$7,500.00 | \$3,750.00 | \$1,650.00 | \$825.00 | \$1,530.00 | \$765.00 | \$2,000.00 | \$1,000.00 |
| 0069 | Seeding, Type 4 (Urban Temporary Erosion Control Mix) | 5 AC | \$3,500.00 | \$17,500.00 | \$660.00 | \$3,300.00 | \$612.00 | \$3,060.00 | \$1,200.00 | \$6,000.00 |
| 0070 | Seeding and Mulching, Mesic Prairie Pollinator Mix (Modified) | 0.35 AC | \$10,000.00 | \$3,500.00 | \$3,850.00 | \$1,347.50 | \$3,570.00 | \$1,249.50 | \$5,000.00 | \$1,750.00 |
| 0071 | Sod | 750 SQ | \$65.00 | \$48,750.00 | \$82.50 | \$61,875.00 | \$76.50 | \$57,375.00 | \$85.00 | \$63,750.00 |
| 0072 | Stormwater Pollution Prevention Plan (SWPPP) | 1 LS | \$5,000.00 | \$5,000.00 | \$8,470.00 | \$8,470.00 | \$7,855.00 | \$7,855.00 | \$9,500.00 | \$9,500.00 |
| 0073 | Sawcutting Dust and Slurry Management | 1 LS | \$2,500.00 | \$2,500.00 | \$1,100.00 | \$1,100.00 | \$1,530.00 | \$1,530.00 | \$12,500.00 | \$12,500.00 |
| 0074 | Filter Sock, 9" | 2500 LF | \$2.50 | \$6,250.00 | \$1.87 | \$4,675.00 | \$1.75 | \$4,375.00 | \$2.25 | \$5,625.00 |
| 0075 | Filter Socks, Removal | 2500 LF | \$0.50 | \$1,250.00 | \$0.33 | \$825.00 | \$0.30 | \$750.00 | \$0.50 | \$1,250.00 |
| 0076 | Temporary Rolled Erosion Control Products (RECP), Type 2C | 4000 SY | \$2.50 | \$10,000.00 | \$1.43 | \$5,720.00 | \$1.35 | \$5,400.00 | \$1.80 | \$7,200.00 |
| 0077 | Rip Rap, Class D/E Revetment | 60 TON | \$75.00 | \$4,500.00 | \$48.40 | \$2,904.00 | \$44.85 | \$2,691.00 | \$75.00 | \$4,500.00 |
| 0078 | Silt Fence or Silt Fence Ditch Check | 500 LF | \$15.00 | \$7,500.00 | \$3.30 | \$1,650.00 | \$3.05 | \$1,525.00 | \$4.00 | \$2,000.00 |
| 0079 | Silt Fence or Silt Fence Ditch Check, Removal of Sediment | 500 LF | \$5.00 | \$2,500.00 | \$0.11 | \$55.00 | \$0.10 | \$50.00 | \$1.00 | \$1,000.00 |
| 0080 | Silt Fence or Silt Fence Ditch Check, Removal of Device | 500 LF | \$10.00 | \$5,000.00 | \$1.10 | \$550.00 | \$1.00 | \$500.00 | \$2.00 | \$1,000.00 |
| 0081 | Stabilized Construction Exit | 500 TON | \$50.00 | \$25,000.00 | \$33.00 | \$16,500.00 | \$30.50 | \$15,250.00 | \$40.00 | \$20,000.00 |
| 0082 | Erosion Control Mulching, Hydromulching | 5 AC | \$5,000.00 | \$25,000.00 | \$2,475.00 | \$12,375.00 | \$2,295.00 | \$11,475.00 | \$3,000.00 | \$15,000.00 |
| 0083 | Inlet Protection Device | 21 EA | \$200.00 | \$4,200.00 | \$220.00 | \$4,620.00 | \$204.00 | \$4,284.00 | \$250.00 | \$5,250.00 |
| 0084 | Inlet Protection Device, Maintenance | 42 EA | \$50.00 | \$2,100.00 | \$27.50 | \$1,155.00 | \$25.50 | \$1,071.00 | \$50.00 | \$2,100.00 |
| 0085 | Vegetated Concrete Block Mat | 2500 SF | \$8.00 | \$20,000.00 | \$9.53 | \$23,825.00 | \$14.25 | \$35,625.00 | \$17.50 | \$43,750.00 |
| 0086 | Privacy Fence, Wooden, 6' | 250 LF | \$30.00 | \$7,500.00 | \$53.24 | \$13,310.00 | \$49.35 | \$12,337.50 | \$62.50 | \$15,625.00 |
| 0087 | Double Roller Gate, Privacy Fence, Wooden, 6' x 16' | 1 EA | \$2,500.00 | \$2,500.00 | \$3,179.00 | \$3,179.00 | \$2,950.00 | \$2,950.00 | \$4,000.00 | \$4,000.00 |
| 0088 | Chain Link Fence, 42" | 1350 LF | \$25.00 | \$33,750.00 | \$38.23 | \$51,610.50 | \$35.45 | \$47,857.50 | \$40.00 | \$54,000.00 |
| 0089 | Roller Gate, Chain-Link, 42" x 12' | 2 EA | \$2,500.00 | \$5,000.00 | \$1,210.00 | \$2,420.00 | \$1,125.00 | \$2,250.00 | \$1,500.00 | \$3,000.00 |
| 0090 | Gate, Chain-Link, 42" x 39" | 2 EA | \$1,200.00 | \$2,400.00 | \$621.50 | \$1,243.00 | \$576.00 | \$1,152.00 | \$800.00 | \$1,600.00 |
| 0091 | Removal and Reinstallation of Existing Wooden Fence, 900 14th St. | 75 LF | \$25.00 | \$1,875.00 | \$49.50 | \$3,712.50 | \$46.00 | \$3,450.00 | \$60.00 | \$4,500.00 |
| 0092 | Removal of Fence | 1000 LF | \$5.00 | \$5,000.00 | \$4.40 | \$4,400.00 | \$4.10 | \$4,100.00 | \$5.00 | \$5,000.00 |
| 0093 | Temporary Fence, Chain-Link, 48" | 1000 LF | \$10.00 | \$10,000.00 | \$5.50 | \$5,500.00 | \$5.10 | \$5,100.00 | \$5.50 | \$5,500.00 |
| 0094 | Tree Protection Fence | 200 LF | \$5.00 | \$1,000.00 | \$5.50 | \$1,100.00 | \$5.10 | \$1,020.00 | \$7.50 | \$1,500.00 |
| 0095 | Tree Trunk Protection | 5 EA | \$500.00 | \$2,500.00 | \$550.00 | \$2,750.00 | \$510.00 | \$2,550.00 | \$750.00 | \$3,750.00 |
| 0096 | Trail-Counter Footing, 18" x 48" | 1 EA | \$1,000.00 | \$1,000.00 | \$350.00 | \$350.00 | \$2,160.00 | \$2,160.00 | \$2,500.00 | \$2,500.00 |
| 0097 | Modular Block Retaining Wall, Precast ReCon Wall Units | 1830 SF | \$50.00 | \$91,500.00 | \$90.75 | \$166,072.50 | \$63.30 | \$115,839.00 | \$76.00 | \$139,080.00 |
| 0098 | Concrete Retaining Wall, Elevated Sidewalk | 1120 SF | \$35.00 | \$39,200.00 | \$120.00 | \$134,400.00 | \$96.75 | \$108,360.00 | \$50.00 | \$56,000.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | | UNIT | | UNIT | | UNIT | |
|--------------------------------|---|----------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
| | | | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT |
| 0099 | Concrete Retaining Wall, Shared Use Path | 215 SF | \$35.00 | \$7,525.00 | \$110.00 | \$23,650.00 | \$153.00 | \$32,895.00 | \$60.00 | \$12,900.00 |
| 0100 | Concrete Steps, Type A | 50 SF | \$100.00 | \$5,000.00 | \$140.00 | \$7,000.00 | \$138.00 | \$6,900.00 | \$150.00 | \$7,500.00 |
| 0101 | Mobilization | 1 LS | \$112,795.00 | \$112,795.00 | \$180,600.00 | \$180,600.00 | \$402,000.00 | \$402,000.00 | \$200,000.00 | \$200,000.00 |
| 0102 | Maintenance of Postal Service | 1 LS | \$2,500.00 | \$2,500.00 | \$5,500.00 | \$5,500.00 | \$2,550.00 | \$2,550.00 | \$4,500.00 | \$4,500.00 |
| 0103 | Maintenance of Solid Waste Collection | 1 LS | \$2,500.00 | \$2,500.00 | \$6,500.00 | \$6,500.00 | \$2,550.00 | \$2,550.00 | \$4,500.00 | \$4,500.00 |
| 0104 | Temporary Granular Surfacing, HMA Millings | 500 TON | \$50.00 | \$25,000.00 | \$27.50 | \$13,750.00 | \$25.50 | \$12,750.00 | \$35.00 | \$17,500.00 |
| 0105 | Concrete Washout | 1 LS | \$2,500.00 | \$2,500.00 | \$5,637.50 | \$5,637.50 | \$4,670.00 | \$4,670.00 | \$7,500.00 | \$7,500.00 |
| 0201 | FOUNDATION ROCK | 100 TON | \$45.00 | \$4,500.00 | \$60.00 | \$6,000.00 | \$35.75 | \$3,575.00 | \$52.00 | \$5,200.00 |
| 0202 | WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, PU | 28 LF | \$190.00 | \$5,320.00 | \$103.63 | \$2,901.64 | \$97.00 | \$2,716.00 | \$95.00 | \$2,660.00 |
| 0203 | WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, PU | 46 LF | \$200.00 | \$9,200.00 | \$101.40 | \$4,664.40 | \$107.00 | \$4,922.00 | \$90.00 | \$4,140.00 |
| 0204 | WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, RE | 127 LF | \$210.00 | \$26,670.00 | \$140.13 | \$17,796.51 | \$107.00 | \$13,589.00 | \$265.00 | \$33,655.00 |
| 0205 | WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, PU | 340 LF | \$220.00 | \$74,800.00 | \$130.72 | \$44,444.80 | \$130.00 | \$44,200.00 | \$110.00 | \$37,400.00 |
| 0206 | WATER MAIN, TRENCHED, DUCTILE IRON (DI), CLASS 52, PUSH-ON JOIN | 2 LF | \$220.00 | \$440.00 | \$502.30 | \$1,004.60 | \$107.00 | \$214.00 | \$1,000.00 | \$2,000.00 |
| 0207 | WATER MAIN, TRENCHED, DUCTILE IRON (DI), CLASS 52, PUSH-ON JOIN | 309 LF | \$250.00 | \$77,250.00 | \$146.58 | \$45,293.22 | \$150.00 | \$46,350.00 | \$140.00 | \$43,260.00 |
| 0208 | WATER MAIN, TRENCHED, DUCTILE IRON (DI), CLASS 52, RESTRAINED J | 45 LF | \$275.00 | \$12,375.00 | \$236.74 | \$10,653.30 | \$178.00 | \$8,010.00 | \$200.00 | \$9,000.00 |
| 0209 | FITTINGS BY WEIGHT, DUCTILE IRON (DI), ALL FITTINGS | 3576 LB | \$25.00 | \$89,400.00 | \$62.12 | \$222,141.12 | \$9.20 | \$32,899.20 | \$20.00 | \$71,520.00 |
| 0210 | VALVE, GATE, DUCTILE IRON (DI), 8" | 1 EA | \$3,000.00 | \$3,000.00 | \$3,542.40 | \$3,542.40 | \$3,570.00 | \$3,570.00 | \$3,500.00 | \$3,500.00 |
| 0211 | VALVE, GATE, DUCTILE IRON (DI), 12" | 4 EA | \$5,000.00 | \$20,000.00 | \$5,399.75 | \$21,599.00 | \$5,050.00 | \$20,200.00 | \$5,500.00 | \$22,000.00 |
| 0212 | FIRE HYDRANT ASSEMBLY | 6 EA | \$9,000.00 | \$54,000.00 | \$7,441.22 | \$44,647.32 | \$8,670.00 | \$52,020.00 | \$8,000.00 | \$48,000.00 |
| 0213 | WATER SERVICE TRANSFER, COPPER, 1", (LONG SIDE) | 18 EA | \$4,200.00 | \$75,600.00 | \$2,250.42 | \$40,507.56 | \$1,480.00 | \$26,640.00 | \$3,800.00 | \$68,400.00 |
| 0214 | WATER SERVICE TRANSFER, COPPER, 1", (SHORT SIDE) | 7 EA | \$3,200.00 | \$22,400.00 | \$2,207.87 | \$15,455.09 | \$1,275.00 | \$8,925.00 | \$3,000.00 | \$21,000.00 |
| 0215 | WATER SERVICE TRANSFER COORDINATION, LEAD OR GALVANIZED DC | 13 EA | \$1,100.00 | \$14,300.00 | \$2,250.42 | \$29,255.46 | \$867.00 | \$11,271.00 | \$30.00 | \$390.00 |
| 0216 | DMWW TAP FEE FOR WATER SERVICE TRANSFER | 25 EA | \$400.00 | \$10,000.00 | \$600.00 | \$15,000.00 | \$460.00 | \$11,500.00 | \$475.00 | \$11,875.00 |
| 0217 | 32 LB MAGNESIUM ANODE | 10 EA | \$975.00 | \$9,750.00 | \$740.01 | \$7,400.10 | \$663.00 | \$6,630.00 | \$750.00 | \$7,500.00 |
| TOTAL CONSTRUCTION COST | | | | \$3,300,000.00 | | \$3,261,617.37 | | \$3,313,804.95 | | \$3,380,855.00 |
| PERCENT OF ENGINEER'S ESTIMATE | | | | | | -1.16% | | +0.42% | | +2.45% |
| | | | | | | Low | | | | |

47

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 06-2021-012

BID DATE: 10/24/2023

TABULATED BY: N. Smith
CHECKED BY: CKK

APPROVED BY: *Phillip J. Wagen*

CONTRACTOR'S BID TABULATION
PROJECT: 16th Street Area Reconstruction and Trail Connection

-----ESTIMATE-----

Absolute Concrete
Construction, Inc dba
Absolute Group
Granger, IA

Jasper Construction
Services, Inc
Newton, IA

Corell Contractor, Inc
West Des Moines, IA

BID SECURITY
10% Bid Bond

BID SECURITY
10% Bid Bond

BID SECURITY
10% Bid Bond

BID PRICE

BID PRICE

BID PRICE

| ITEM | DESCRIPTION | QUANTITY | UNIT | | UNIT | | UNIT | | UNIT | | |
|------|---|----------|-------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| | | | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT | |
| 0001 | Clearing and Grubbing | 1225 | UNIT | \$35.00 | \$42,875.00 | \$60.00 | \$73,500.00 | \$90.00 | \$110,250.00 | \$94.50 | \$115,762.50 |
| 0002 | Clearing and Grubbing | 1.15 | AC | \$15,000.00 | \$17,250.00 | \$9,775.00 | \$11,241.25 | \$12,500.00 | \$14,375.00 | \$13,125.00 | \$15,093.75 |
| 0003 | Topsoil, On-site | 675 | CY | \$20.00 | \$13,500.00 | \$8.00 | \$5,400.00 | \$16.00 | \$10,800.00 | \$52.60 | \$35,505.00 |
| 0004 | Topsoil, Off-site | 800 | CY | \$40.00 | \$32,000.00 | \$23.00 | \$18,400.00 | \$28.00 | \$22,400.00 | \$39.66 | \$31,728.00 |
| 0005 | Embankment-in-Place, Contractor Furnished | 2225 | CY | \$30.00 | \$66,750.00 | \$17.00 | \$37,825.00 | \$26.00 | \$57,850.00 | \$28.28 | \$62,923.00 |
| 0006 | Excavation, Class 10, Roadway and Borrow | 6700 | CY | \$15.00 | \$100,500.00 | \$5.00 | \$33,500.00 | \$21.00 | \$140,700.00 | \$14.45 | \$96,815.00 |
| 0007 | Excavation, Class 13, Waste | 500 | CY | \$30.00 | \$15,000.00 | \$24.00 | \$12,000.00 | \$26.00 | \$13,000.00 | \$29.68 | \$14,840.00 |
| 0008 | Subgrade Preparation, 6" | 10250 | SY | \$2.00 | \$20,500.00 | \$2.00 | \$20,500.00 | \$4.50 | \$46,125.00 | \$3.25 | \$33,312.50 |
| 0009 | Granular Stabilization, 3" Clean | 500 | TON | \$75.00 | \$37,500.00 | \$40.00 | \$20,000.00 | \$3.00 | \$1,500.00 | \$74.90 | \$37,450.00 |
| 0010 | Subgrade Treatment, Non-Woven Fabric, 6oz | 2050 | SY | \$3.00 | \$6,150.00 | \$2.00 | \$4,100.00 | \$3.00 | \$6,150.00 | \$3.42 | \$7,011.00 |
| 0011 | Subgrade Treatment, Woven Geotextile, Mirafi HP570 | 10250 | SY | \$5.00 | \$51,250.00 | \$3.25 | \$33,312.50 | \$3.50 | \$35,875.00 | \$4.56 | \$46,740.00 |
| 0012 | Subbase, Modified Subbase, Shared Use Path, 6" | 2500 | SY | \$12.00 | \$30,000.00 | \$12.00 | \$30,000.00 | \$15.00 | \$37,500.00 | \$14.40 | \$36,000.00 |
| 0013 | Subbase, Modified Subbase, 8" | 10250 | SY | \$15.00 | \$153,750.00 | \$16.00 | \$164,000.00 | \$17.00 | \$174,250.00 | \$21.00 | \$215,250.00 |
| 0014 | Class R-4 Concrete Encasement, Existing 30" | 80 | LF | \$30.00 | \$2,400.00 | \$84.00 | \$6,720.00 | \$85.00 | \$6,800.00 | \$123.70 | \$9,896.00 |
| 0015 | Sanitary Sewer Gravity Main, Trenched, 10" | 130 | LF | \$100.00 | \$13,000.00 | \$93.00 | \$12,090.00 | \$140.00 | \$18,200.00 | \$202.50 | \$26,325.00 |
| 0016 | Sanitary Sewer Service Relocation | 10 | EA | \$2,500.00 | \$25,000.00 | \$3,000.00 | \$30,000.00 | \$1,200.00 | \$12,000.00 | \$8,297.75 | \$82,977.50 |
| 0017 | Sanitary Sewer Service Relocation, Additional Length | 200 | LF | \$65.00 | \$13,000.00 | \$57.00 | \$11,400.00 | \$15.00 | \$3,000.00 | \$383.65 | \$76,730.00 |
| 0018 | Removal of Sanitary Sewer, ≤ 30" | 130 | LF | \$20.00 | \$2,600.00 | \$8.00 | \$1,040.00 | \$35.00 | \$4,550.00 | \$47.25 | \$6,142.50 |
| 0019 | Storm Sewer, Trenched, PVC, 6" | 255 | LF | \$40.00 | \$10,200.00 | \$54.00 | \$13,770.00 | \$14.00 | \$3,570.00 | \$132.00 | \$33,660.00 |
| 0020 | Storm Sewer, Trenched, 15" | 440 | LF | \$110.00 | \$48,400.00 | \$92.00 | \$40,480.00 | \$62.00 | \$27,280.00 | \$161.00 | \$70,840.00 |
| 0021 | Storm Sewer, Trenched, 18" | 125 | LF | \$120.00 | \$15,000.00 | \$105.00 | \$13,125.00 | \$75.00 | \$9,375.00 | \$170.00 | \$21,250.00 |
| 0022 | Storm Sewer, Trenched, 24" | 275 | LF | \$150.00 | \$41,250.00 | \$129.00 | \$35,475.00 | \$85.00 | \$23,375.00 | \$174.25 | \$47,918.75 |
| 0023 | Storm Sewer, Trenched, 30" | 20 | LF | \$180.00 | \$3,600.00 | \$195.00 | \$3,900.00 | \$95.00 | \$1,900.00 | \$200.50 | \$4,010.00 |
| 0024 | Storm Sewer, Trenched, RCP, 42" | 45 | LF | \$225.00 | \$10,125.00 | \$218.00 | \$9,810.00 | \$180.00 | \$8,100.00 | \$257.00 | \$11,565.00 |
| 0025 | Removal of Storm Sewer, Less than 30" Dia. | 300 | LF | \$20.00 | \$6,000.00 | \$18.00 | \$5,400.00 | \$35.00 | \$10,500.00 | \$136.50 | \$40,950.00 |
| 0026 | Pipe Apron, RCP, 42" | 3 | EA | \$6,000.00 | \$18,000.00 | \$5,400.00 | \$16,200.00 | \$6,500.00 | \$19,500.00 | \$3,663.00 | \$10,989.00 |
| 0027 | Footing for Concrete Pipe Apron, RCP, 42" | 3 | EA | \$1,500.00 | \$4,500.00 | \$1,600.00 | \$4,800.00 | \$750.00 | \$2,250.00 | \$1,286.50 | \$3,859.50 |
| 0028 | Subdrain, 6" | 240 | LF | \$40.00 | \$9,600.00 | \$24.00 | \$5,760.00 | \$26.00 | \$6,240.00 | \$25.60 | \$6,144.00 |
| 0029 | Subdrain Cleanout, Type A-1 | 1 | EA | \$750.00 | \$750.00 | \$675.00 | \$675.00 | \$650.00 | \$650.00 | \$1,457.50 | \$1,457.50 |
| 0030 | Subdrain Outlets and Connections, CMP, 6" | 13 | EA | \$500.00 | \$6,500.00 | \$225.00 | \$2,925.00 | \$250.00 | \$3,250.00 | \$217.50 | \$2,827.50 |
| 0031 | Water Service Material Check | 4 | EA | \$750.00 | \$3,000.00 | \$220.00 | \$880.00 | \$450.00 | \$1,800.00 | \$1,612.00 | \$6,448.00 |
| 0032 | New Stop Box Housing and New Stop Box Rod | 10 | EA | \$1,000.00 | \$10,000.00 | \$550.00 | \$5,500.00 | \$550.00 | \$5,500.00 | \$3,572.50 | \$35,725.00 |
| 0033 | Adjust Stop Box to New Grade in Pavement, Locking Lid | 15 | EA | \$500.00 | \$7,500.00 | \$290.00 | \$4,350.00 | \$650.00 | \$9,750.00 | \$331.80 | \$4,977.00 |
| 0034 | Manhole, SW-301, 48" | 1 | EA | \$7,500.00 | \$7,500.00 | \$6,100.00 | \$6,100.00 | \$5,500.00 | \$5,500.00 | \$6,620.00 | \$6,620.00 |
| 0035 | Manhole, SW-401, 48" | 2 | EA | \$6,000.00 | \$12,000.00 | \$7,500.00 | \$15,000.00 | \$4,200.00 | \$8,400.00 | \$5,438.00 | \$10,876.00 |
| 0036 | Manhole, SW-401, 60" | 1 | EA | \$8,000.00 | \$8,000.00 | \$9,000.00 | \$9,000.00 | \$5,500.00 | \$5,500.00 | \$8,155.00 | \$8,155.00 |
| 0037 | Intake, SW-501 | 1 | EA | \$3,500.00 | \$3,500.00 | \$4,200.00 | \$4,200.00 | \$5,600.00 | \$5,600.00 | \$3,892.00 | \$3,892.00 |
| 0038 | Intake, SW-504, Modified | 1 | EA | \$6,000.00 | \$6,000.00 | \$10,900.00 | \$10,900.00 | \$8,700.00 | \$8,700.00 | \$7,978.50 | \$7,978.50 |
| 0039 | Intake, SW-505 | 7 | EA | \$7,500.00 | \$52,500.00 | \$5,600.00 | \$39,200.00 | \$8,325.00 | \$58,275.00 | \$6,283.50 | \$43,984.50 |
| 0040 | Intake, SW-508 | 1 | EA | \$8,500.00 | \$8,500.00 | \$9,400.00 | \$9,400.00 | \$12,500.00 | \$12,500.00 | \$12,041.00 | \$12,041.00 |
| 0041 | Intake, SW-509 | 7 | EA | \$9,500.00 | \$66,500.00 | \$6,901.00 | \$48,307.00 | \$12,500.00 | \$87,500.00 | \$12,658.00 | \$88,606.00 |
| 0042 | Intake, SW-512, 18", Type 3 Casting | 6 | EA | \$500.00 | \$3,000.00 | \$2,900.00 | \$17,400.00 | \$2,500.00 | \$15,000.00 | \$3,166.00 | \$18,996.00 |
| 0043 | Internal Drop Connection | 1 | EA | \$2,500.00 | \$2,500.00 | \$2,600.00 | \$2,600.00 | \$8,500.00 | \$8,500.00 | \$4,375.00 | \$4,375.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | | UNIT | | UNIT | | UNIT | |
|------|--|----------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| | | | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT |
| 0044 | Manhole Adjustment, Minor, Sanitary | 9 EA | \$1,000.00 | \$9,000.00 | \$1,600.00 | \$14,400.00 | \$1,850.00 | \$16,650.00 | \$2,310.50 | \$20,794.50 |
| 0045 | Manhole Adjustment, Major, Sanitary | 9 EA | \$2,000.00 | \$18,000.00 | \$3,600.00 | \$32,400.00 | \$3,150.00 | \$28,350.00 | \$3,290.00 | \$29,610.00 |
| 0046 | Intake Adjustment, Major | 3 EA | \$3,500.00 | \$10,500.00 | \$3,600.00 | \$10,800.00 | \$3,250.00 | \$9,750.00 | \$4,783.50 | \$14,350.50 |
| 0047 | Connection to Existing Manhole | 1 EA | \$1,000.00 | \$1,000.00 | \$2,800.00 | \$2,800.00 | \$1,200.00 | \$1,200.00 | \$6,580.00 | \$6,580.00 |
| 0048 | Remove Manhole/Intake | 5 EA | \$1,200.00 | \$6,000.00 | \$800.00 | \$4,000.00 | \$850.00 | \$4,250.00 | \$1,615.00 | \$8,075.00 |
| 0049 | Pavement, PCC, 6" | 8800 SY | \$65.00 | \$572,000.00 | \$70.00 | \$616,000.00 | \$75.00 | \$660,000.00 | \$58.43 | \$514,184.00 |
| 0050 | Pavement Base, PCC, 9" | 70 SY | \$100.00 | \$7,000.00 | \$200.00 | \$14,000.00 | \$105.00 | \$7,350.00 | \$89.15 | \$6,240.50 |
| 0051 | HMA High Traffic (HT) Surface, 1/2", PG 58-28H | 15 TON | \$175.00 | \$2,625.00 | \$453.00 | \$6,795.00 | \$300.00 | \$4,500.00 | \$412.50 | \$6,187.50 |
| 0052 | Removal of Sidewalk and Driveway | 1125 SY | \$15.00 | \$16,875.00 | \$6.00 | \$6,750.00 | \$8.00 | \$9,000.00 | \$15.90 | \$17,887.50 |
| 0053 | Multi-Use Path, PCC, 6" | 950 SY | \$70.00 | \$66,500.00 | \$49.00 | \$46,550.00 | \$62.00 | \$58,900.00 | \$58.80 | \$55,860.00 |
| 0054 | Multi-Use Path, HMA, Base, 4" | 1100 SY | \$30.00 | \$33,000.00 | \$36.00 | \$39,600.00 | \$28.06 | \$30,866.00 | \$34.10 | \$37,510.00 |
| 0055 | Multi-Use Path, HMA, Surface, 2" | 1100 SY | \$15.00 | \$16,500.00 | \$18.75 | \$20,625.00 | \$14.85 | \$16,335.00 | \$19.25 | \$21,175.00 |
| 0056 | Special Subgrade Preparation for Shared Use Paths | 1105 SY | \$5.00 | \$5,525.00 | \$2.25 | \$2,486.25 | \$4.00 | \$4,420.00 | \$6.30 | \$6,961.50 |
| 0057 | Sidewalk, PCC, 4" | 2185 SY | \$60.00 | \$131,100.00 | \$55.00 | \$120,175.00 | \$70.00 | \$152,950.00 | \$50.40 | \$110,124.00 |
| 0058 | Sidewalk, PCC, 6" | 370 SY | \$70.00 | \$25,900.00 | \$65.00 | \$24,050.00 | \$95.00 | \$35,150.00 | \$68.25 | \$25,252.50 |
| 0059 | Detectable Warning, Cast Iron | 320 SF | \$50.00 | \$16,000.00 | \$55.00 | \$17,600.00 | \$65.00 | \$20,800.00 | \$57.75 | \$18,480.00 |
| 0060 | Driveway, Paved, PCC, 6" | 1455 SY | \$70.00 | \$101,850.00 | \$60.00 | \$87,300.00 | \$87.00 | \$126,585.00 | \$63.00 | \$91,665.00 |
| 0061 | Driveway, Granular | 150 TON | \$50.00 | \$7,500.00 | \$50.00 | \$7,500.00 | \$22.00 | \$3,300.00 | \$47.09 | \$7,063.50 |
| 0062 | Asphalt Emulsion for Fog Seal, HMA Shared Use Path | 135 GAL | \$15.00 | \$2,025.00 | \$25.00 | \$3,375.00 | \$55.00 | \$7,425.00 | \$16.50 | \$2,227.50 |
| 0063 | Pavement Removal | 9220 SY | \$15.00 | \$138,300.00 | \$5.00 | \$46,100.00 | \$9.00 | \$82,980.00 | \$9.75 | \$89,895.00 |
| 0064 | Removal of Sign and Sign Post | 20 EA | \$250.00 | \$5,000.00 | \$150.00 | \$3,000.00 | \$125.00 | \$2,500.00 | \$165.00 | \$3,300.00 |
| 0065 | Type A Signs, Sheet Aluminum | 200 SF | \$30.00 | \$6,000.00 | \$27.00 | \$5,400.00 | \$30.00 | \$6,000.00 | \$29.70 | \$5,940.00 |
| 0066 | Sign Post, Perforated Square, Steel Tube Post | 400 LF | \$25.00 | \$10,000.00 | \$27.00 | \$10,800.00 | \$30.00 | \$12,000.00 | \$29.70 | \$11,880.00 |
| 0067 | Temporary Traffic Control | 1 LS | \$20,000.00 | \$20,000.00 | \$41,000.00 | \$41,000.00 | \$26,500.00 | \$26,500.00 | \$30,690.00 | \$30,690.00 |
| 0068 | Seeding, Type 2 (Permanent Cool Season Mixture for Slopes and Ditches) | 0.5 AC | \$7,500.00 | \$3,750.00 | \$1,500.00 | \$750.00 | \$2,000.00 | \$1,000.00 | \$1,575.00 | \$787.50 |
| 0069 | Seeding, Type 4 (Urban Temporary Erosion Control Mix) | 5 AC | \$3,500.00 | \$17,500.00 | \$600.00 | \$3,000.00 | \$1,000.00 | \$5,000.00 | \$630.00 | \$3,150.00 |
| 0070 | Seeding and Mulching, Mesic Prairie Pollinator Mix (Modified) | 0.35 AC | \$10,000.00 | \$3,500.00 | \$3,500.00 | \$1,225.00 | \$3,000.00 | \$1,050.00 | \$3,675.00 | \$1,286.25 |
| 0071 | Sod | 750 SQ | \$65.00 | \$48,750.00 | \$75.00 | \$56,250.00 | \$68.00 | \$51,000.00 | \$78.75 | \$59,062.50 |
| 0072 | Stormwater Pollution Prevention Plan (SWPPP) | 1 LS | \$5,000.00 | \$5,000.00 | \$7,700.00 | \$7,700.00 | \$6,500.00 | \$6,500.00 | \$8,085.00 | \$8,085.00 |
| 0073 | Sawcutting Dust and Slurry Management | 1 LS | \$2,500.00 | \$2,500.00 | \$22,000.00 | \$22,000.00 | \$10,000.00 | \$10,000.00 | \$2,530.00 | \$2,530.00 |
| 0074 | Filter Sock, 9" | 2500 LF | \$2.50 | \$6,250.00 | \$1.70 | \$4,250.00 | \$1.95 | \$4,875.00 | \$1.79 | \$4,475.00 |
| 0075 | Filter Socks, Removal | 2500 LF | \$0.50 | \$1,250.00 | \$0.30 | \$750.00 | \$0.50 | \$1,250.00 | \$0.30 | \$750.00 |
| 0076 | Temporary Rolled Erosion Control Products (RECP), Type 2C | 4000 SY | \$2.50 | \$10,000.00 | \$1.30 | \$5,200.00 | \$1.50 | \$6,000.00 | \$1.35 | \$5,400.00 |
| 0077 | Rip Rap, Class D/E Revetment | 60 TON | \$75.00 | \$4,500.00 | \$80.00 | \$4,800.00 | \$44.00 | \$2,640.00 | \$81.70 | \$4,902.00 |
| 0078 | Silt Fence or Silt Fence Ditch Check | 500 LF | \$15.00 | \$7,500.00 | \$3.00 | \$1,500.00 | \$2.00 | \$1,000.00 | \$3.15 | \$1,575.00 |
| 0079 | Silt Fence or Silt Fence Ditch Check, Removal of Sediment | 500 LF | \$5.00 | \$2,500.00 | \$0.10 | \$50.00 | \$0.50 | \$250.00 | \$0.11 | \$55.00 |
| 0080 | Silt Fence or Silt Fence Ditch Check, Removal of Device | 500 LF | \$10.00 | \$5,000.00 | \$1.00 | \$500.00 | \$0.50 | \$250.00 | \$1.05 | \$525.00 |
| 0081 | Stabilized Construction Exit | 500 TON | \$50.00 | \$25,000.00 | \$40.00 | \$20,000.00 | \$30.00 | \$15,000.00 | \$64.30 | \$32,150.00 |
| 0082 | Erosion Control Mulching, Hydromulching | 5 AC | \$5,000.00 | \$25,000.00 | \$2,250.00 | \$11,250.00 | \$2,400.00 | \$12,000.00 | \$2,362.50 | \$11,812.50 |
| 0083 | Inlet Protection Device | 21 EA | \$200.00 | \$4,200.00 | \$200.00 | \$4,200.00 | \$155.00 | \$3,255.00 | \$210.00 | \$4,410.00 |
| 0084 | Inlet Protection Device, Maintenance | 42 EA | \$50.00 | \$2,100.00 | \$25.00 | \$1,050.00 | \$5.00 | \$210.00 | \$26.25 | \$1,102.50 |
| 0085 | Vegetated Concrete Block Mat | 2500 SF | \$8.00 | \$20,000.00 | \$14.00 | \$35,000.00 | \$19.00 | \$47,500.00 | \$14.70 | \$36,750.00 |
| 0086 | Privacy Fence, Wooden, 6' | 250 LF | \$30.00 | \$7,500.00 | \$48.40 | \$12,100.00 | \$48.40 | \$12,100.00 | \$53.24 | \$13,310.00 |
| 0087 | Double Roller Gate, Privacy Fence, Wooden, 6' x 16' | 1 EA | \$2,500.00 | \$2,500.00 | \$2,890.00 | \$2,890.00 | \$2,890.00 | \$2,890.00 | \$3,179.00 | \$3,179.00 |
| 0088 | Chain Link Fence, 42" | 1350 LF | \$25.00 | \$33,750.00 | \$34.75 | \$46,912.50 | \$34.75 | \$46,912.50 | \$38.25 | \$51,637.50 |
| 0089 | Roller Gate, Chain-Link, 42" x 12' | 2 EA | \$2,500.00 | \$5,000.00 | \$1,100.00 | \$2,200.00 | \$1,100.00 | \$2,200.00 | \$1,210.00 | \$2,420.00 |
| 0090 | Gate, Chain-Link, 42" x 39" | 2 EA | \$1,200.00 | \$2,400.00 | \$565.00 | \$1,130.00 | \$565.00 | \$1,130.00 | \$621.50 | \$1,243.00 |
| 0091 | Removal and Reinstallation of Existing Wooden Fence, 900 14th St. | 75 LF | \$25.00 | \$1,875.00 | \$45.00 | \$3,375.00 | \$45.00 | \$3,375.00 | \$49.50 | \$3,712.50 |
| 0092 | Removal of Fence | 1000 LF | \$5.00 | \$5,000.00 | \$4.00 | \$4,000.00 | \$4.00 | \$4,000.00 | \$4.40 | \$4,400.00 |
| 0093 | Temporary Fence, Chain-Link, 48" | 1000 LF | \$10.00 | \$10,000.00 | \$5.00 | \$5,000.00 | \$5.00 | \$5,000.00 | \$5.50 | \$5,500.00 |
| 0094 | Tree Protection Fence | 200 LF | \$5.00 | \$1,000.00 | \$5.00 | \$1,000.00 | \$7.00 | \$1,400.00 | \$5.25 | \$1,050.00 |
| 0095 | Tree Trunk Protection | 5 EA | \$500.00 | \$2,500.00 | \$500.00 | \$2,500.00 | \$350.00 | \$1,750.00 | \$525.00 | \$2,625.00 |
| 0096 | Trail-Counter Footing, 18" x 48" | 1 EA | \$1,000.00 | \$1,000.00 | \$525.00 | \$525.00 | \$750.00 | \$750.00 | \$945.00 | \$945.00 |
| 0097 | Modular Block Retaining Wall, Precast ReCon Wall Units | 1830 SF | \$50.00 | \$91,500.00 | \$68.00 | \$124,440.00 | \$68.00 | \$124,440.00 | \$78.60 | \$143,838.00 |
| 0098 | Concrete Retaining Wall, Elevated Sidewalk | 1120 SF | \$35.00 | \$39,200.00 | \$50.00 | \$56,000.00 | \$40.70 | \$45,584.00 | \$71.30 | \$79,856.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | | UNIT | | UNIT | | UNIT | |
|--------------------------------|---|----------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
| | | | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT |
| 0099 | Concrete Retaining Wall, Shared Use Path | 215 SF | \$35.00 | \$7,525.00 | \$50.00 | \$10,750.00 | \$45.00 | \$9,675.00 | \$62.00 | \$13,330.00 |
| 0100 | Concrete Steps, Type A | 50 SF | \$100.00 | \$5,000.00 | \$70.00 | \$3,500.00 | \$150.00 | \$7,500.00 | \$115.50 | \$5,775.00 |
| 0101 | Mobilization | 1 LS | \$112,795.00 | \$112,795.00 | \$555,000.00 | \$555,000.00 | \$289,000.00 | \$289,000.00 | \$129,977.00 | \$129,977.00 |
| 0102 | Maintenance of Postal Service | 1 LS | \$2,500.00 | \$2,500.00 | \$12,000.00 | \$12,000.00 | \$8,000.00 | \$8,000.00 | \$2,400.00 | \$2,400.00 |
| 0103 | Maintenance of Solid Waste Collection | 1 LS | \$2,500.00 | \$2,500.00 | \$12,000.00 | \$12,000.00 | \$8,000.00 | \$8,000.00 | \$26,492.00 | \$26,492.00 |
| 0104 | Temporary Granular Surfacing, HMA Millings | 500 TON | \$50.00 | \$25,000.00 | \$27.00 | \$13,500.00 | \$60.00 | \$30,000.00 | \$69.77 | \$34,885.00 |
| 0105 | Concrete Washout | 1 LS | \$2,500.00 | \$2,500.00 | \$5,500.00 | \$5,500.00 | \$9,000.00 | \$9,000.00 | \$4,400.00 | \$4,400.00 |
| 0201 | FOUNDATION ROCK | 100 TON | \$45.00 | \$4,500.00 | \$45.00 | \$4,500.00 | \$35.00 | \$3,500.00 | \$68.00 | \$6,800.00 |
| 0202 | WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, PU | 28 LF | \$190.00 | \$5,320.00 | \$80.00 | \$2,240.00 | \$95.00 | \$2,660.00 | \$605.25 | \$16,947.00 |
| 0203 | WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, PU | 46 LF | \$200.00 | \$9,200.00 | \$73.00 | \$3,358.00 | \$105.00 | \$4,830.00 | \$249.50 | \$11,477.00 |
| 0204 | WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, RE | 127 LF | \$210.00 | \$26,670.00 | \$222.00 | \$28,194.00 | \$105.00 | \$13,335.00 | \$377.75 | \$47,974.25 |
| 0205 | WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), DR18, PU | 340 LF | \$220.00 | \$74,800.00 | \$90.00 | \$30,600.00 | \$127.00 | \$43,180.00 | \$170.20 | \$57,868.00 |
| 0206 | WATER MAIN, TRENCHED, DUCTILE IRON (DI), CLASS 52, PUSH-ON JOIN | 2 LF | \$220.00 | \$440.00 | \$600.00 | \$1,200.00 | \$105.00 | \$210.00 | \$7,910.50 | \$15,821.00 |
| 0207 | WATER MAIN, TRENCHED, DUCTILE IRON (DI), CLASS 52, PUSH-ON JOIN | 309 LF | \$250.00 | \$77,250.00 | \$120.00 | \$37,080.00 | \$145.00 | \$44,805.00 | \$320.25 | \$98,957.25 |
| 0208 | WATER MAIN, TRENCHED, DUCTILE IRON (DI), CLASS 52, RESTRAINED J | 45 LF | \$275.00 | \$12,375.00 | \$167.00 | \$7,515.00 | \$175.00 | \$7,875.00 | \$445.30 | \$20,038.50 |
| 0209 | FITTINGS BY WEIGHT, DUCTILE IRON (DI), ALL FITTINGS | 3576 LB | \$25.00 | \$89,400.00 | \$18.00 | \$64,368.00 | \$9.00 | \$32,184.00 | \$19.40 | \$69,374.40 |
| 0210 | VALVE, GATE, DUCTILE IRON (DI), 8" | 1 EA | \$3,000.00 | \$3,000.00 | \$2,900.00 | \$2,900.00 | \$3,500.00 | \$3,500.00 | \$2,227.00 | \$2,227.00 |
| 0211 | VALVE, GATE, DUCTILE IRON (DI), 12" | 4 EA | \$5,000.00 | \$20,000.00 | \$4,600.00 | \$18,400.00 | \$4,950.00 | \$19,800.00 | \$3,971.00 | \$15,884.00 |
| 0212 | FIRE HYDRANT ASSEMBLY | 6 EA | \$9,000.00 | \$54,000.00 | \$7,500.00 | \$45,000.00 | \$8,500.00 | \$51,000.00 | \$12,198.25 | \$73,189.50 |
| 0213 | WATER SERVICE TRANSFER, COPPER, 1", (LONG SIDE) | 18 EA | \$4,200.00 | \$75,600.00 | \$3,200.00 | \$57,600.00 | \$1,450.00 | \$26,100.00 | \$4,569.00 | \$82,242.00 |
| 0214 | WATER SERVICE TRANSFER, COPPER, 1", (SHORT SIDE) | 7 EA | \$3,200.00 | \$22,400.00 | \$2,500.00 | \$17,500.00 | \$1,250.00 | \$8,750.00 | \$2,835.50 | \$19,848.50 |
| 0215 | WATER SERVICE TRANSFER COORDINATION, LEAD OR GALVANIZED DC | 13 EA | \$1,100.00 | \$14,300.00 | \$25.00 | \$325.00 | \$850.00 | \$11,050.00 | \$250.00 | \$3,250.00 |
| 0216 | DMWW TAP FEE FOR WATER SERVICE TRANSFER | 25 EA | \$400.00 | \$10,000.00 | \$400.00 | \$10,000.00 | \$450.00 | \$11,250.00 | \$465.00 | \$11,625.00 |
| 0217 | 32 LB MAGNESIUM ANODE | 10 EA | \$975.00 | \$9,750.00 | \$650.00 | \$6,500.00 | \$650.00 | \$6,500.00 | \$1,458.00 | \$14,580.00 |
| TOTAL CONSTRUCTION COST | | | | \$3,300,000.00 | | \$3,424,769.50 | | \$3,463,616.50 | | \$3,878,467.15 |
| PERCENT OF ENGINEER'S ESTIMATE | | | | | | +3.78% | | +4.96% | | +17.53% |