

DATE November 19, 2018

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON 2019 ROADWAY RECONSTRUCTION PROGRAM; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS JASPER CONSTRUCTION SERVICES, INC., CLIFF RHOADS, PRESIDENT, \$3,339,059.00

WHEREAS, on October 22, 2018, under Roll Call No. 18-1724, 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:

2019 Roadway Reconstruction Program, 06-2019-003

The improvement includes roadway reconstruction with full-depth Hot Mix Asphalt (HMA) pavement, modified subbase, subdrain, subgrade treatment, Portland Cement Concrete (PCC) curb and gutter, PCC driveways, pavement removal, grading, PCC sidewalk, storm sewer, water main, traffic control, pavement markings, surface restoration, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 599-001/143, located on S.E. 5th Street from E. Park Avenue to E. Broad Street, and South Union Street from E. Park Avenue to E. Kirkwood 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:

- Jasper Construction Services, Inc. Newton, IA
- Grimes Asphalt and Paving Corporation Des Moines, IA
- OMG Midwest, Inc. dba Des Moines Asphalt & Paving Ankeny, IA

which were received and opened at a public meeting presided over by the Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on November 6, 2018. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

DATE November 19, 2018

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 \$3,339,059.00, 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 responsive, 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.

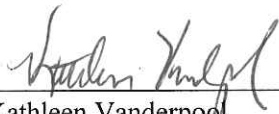
BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary road closures for the Project.

(City Council Communication Number 18-611 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE


 Kathleen Vanderpool
 Deputy City Attorney


 Robert L. Fagen
 Des Moines Finance Director

SLN Funding Source: 2018-2019 CI, Page Street – 32, Roadway Reconstruction, ST260, Being: \$2,009,723 Road Use Tax Funds, \$210,590 of Storm Water Utility Funds, \$150,000 in G.O. bonds transferred from ST269, and the remaining \$968,746 from Des Moines Water Works

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

MOTION CARRIED APPROVED

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.

 Mayor

 City Clerk

TABULATED BY: C. KUHL APPROVED BY: *R. DeGroot*
CHECKED BY: *[Signature]*

CONTRACTOR'S BID TABULATION
PROJECT: 2019 Roadway Reconstruction Program

ESTIMATE

Jasper Construction Services, Inc
Newton, IA

10% BID BOND

BID PRICE

Grimes Asphalt and Paving Corporation
Des Moines, IA

10% BID BOND

BID PRICE

OMG Midwest, Inc.
Ankeny, IA

10% BID BOND

BID PRICE

| ITEM | DESCRIPTION | QUANTITY | UNIT | PRICE | AMOUNT | UNIT | PRICE | AMOUNT | UNIT | PRICE | AMOUNT | UNIT | PRICE | AMOUNT |
|------|---|----------|------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|------|-------|--------|
| 1 | CLEARING AND GRUBBING | 542.5 | UNIT | \$30.00 | \$16,275.00 | \$65.00 | \$35,262.50 | \$94.00 | \$50,995.00 | \$84.00 | \$45,570.00 | | | |
| 2 | EXCAVATION, CLASS 10, SE 5TH ST RECONSTRUCTION | 2100 | CY | \$15.00 | \$31,500.00 | \$22.00 | \$46,200.00 | \$34.00 | \$71,400.00 | \$32.00 | \$67,200.00 | | | |
| 3 | EXCAVATION, CLASS 10, S UNION ST RECONSTRUCTION | 600 | CY | \$15.00 | \$9,000.00 | \$20.00 | \$12,000.00 | \$39.00 | \$23,400.00 | \$37.00 | \$22,200.00 | | | |
| 4 | SUBGRADE PREPARATION | 16135 | SY | \$3.00 | \$48,405.00 | \$3.00 | \$48,405.00 | \$4.00 | \$64,540.00 | \$5.00 | \$80,675.00 | | | |
| 5 | SUBGRADE TREATMENT, CEMENT | 380 | TON | \$200.00 | \$76,000.00 | \$235.00 | \$89,300.00 | \$236.00 | \$89,680.00 | \$300.00 | \$114,000.00 | | | |
| 6 | SUBGRADE TREATMENT, GEOGRID | 4235 | SY | \$3.00 | \$12,705.00 | \$1.50 | \$6,352.50 | \$4.00 | \$16,940.00 | \$3.00 | \$12,705.00 | | | |
| 7 | SUBBASE, MODIFIED SUBBASE, 6" | 5710 | SY | \$10.00 | \$57,100.00 | \$13.00 | \$74,230.00 | \$14.00 | \$79,940.00 | \$15.00 | \$85,650.00 | | | |
| 8 | SANITARY SEWER SERVICE STUB, 6" | 40 | LF | \$150.00 | \$6,000.00 | \$45.00 | \$1,800.00 | \$53.00 | \$2,120.00 | \$175.00 | \$7,000.00 | | | |
| 9 | SANITARY SEWER SERVICE RELOCATION | 5 | EA | \$3,000.00 | \$15,000.00 | \$1,950.00 | \$9,750.00 | \$2,300.00 | \$11,500.00 | \$3,400.00 | \$17,000.00 | | | |
| 10 | STORM SEWER, TRENCHED, 15" | 163 | LF | \$75.00 | \$12,225.00 | \$96.00 | \$15,648.00 | \$113.00 | \$18,419.00 | \$117.00 | \$19,071.00 | | | |
| 11 | STORM SEWER, TRENCHED, 24" | 53 | LF | \$125.00 | \$6,625.00 | \$137.00 | \$7,261.00 | \$162.00 | \$8,586.00 | \$140.00 | \$7,420.00 | | | |
| 12 | STORM SEWER, TRENCHED, 30" | 245 | LF | \$150.00 | \$36,750.00 | \$169.00 | \$41,405.00 | \$200.00 | \$49,000.00 | \$178.00 | \$43,610.00 | | | |
| 13 | STORM SEWER, TRENCHED, 36" | 13 | LF | \$400.00 | \$5,200.00 | \$212.00 | \$2,756.00 | \$250.00 | \$3,250.00 | \$189.00 | \$2,457.00 | | | |
| 14 | REMOVAL OF STORM SEWER | 482 | LF | \$25.00 | \$12,050.00 | \$15.00 | \$7,230.00 | \$18.00 | \$8,676.00 | \$34.00 | \$16,388.00 | | | |
| 15 | SUBDRAIN, 6" | 2215 | LF | \$20.00 | \$44,300.00 | \$20.00 | \$44,300.00 | \$23.00 | \$50,945.00 | \$24.00 | \$53,160.00 | | | |
| 16 | SUBDRAIN CLEANOUT, TYPE A-1, 6" | 9 | EA | \$500.00 | \$4,500.00 | \$500.00 | \$4,500.00 | \$453.00 | \$4,077.00 | \$1,300.00 | \$11,700.00 | | | |
| 17 | SUBDRAIN OUTLETS AND CONNECTIONS, 6" | 8 | EA | \$500.00 | \$4,000.00 | \$520.00 | \$4,160.00 | \$612.00 | \$4,896.00 | \$700.00 | \$5,600.00 | | | |
| 18 | STORM SEWER SERVICE STUB | 80 | LF | \$20.00 | \$1,600.00 | \$60.00 | \$4,800.00 | \$71.00 | \$5,680.00 | \$87.50 | \$7,000.00 | | | |
| 19 | 8" C900 PVC DR 18 PIPE WITH TRACER WIRE (OPEN CUT) | 5080 | LF | \$80.00 | \$406,400.00 | \$66.00 | \$335,280.00 | \$78.00 | \$396,240.00 | \$75.00 | \$381,000.00 | | | |
| 20 | 12" C900 PVC DR 18 PIPE WITH TRACER WIRE (OPEN CUT) | 42 | LF | \$90.00 | \$3,780.00 | \$95.00 | \$3,990.00 | \$112.00 | \$4,704.00 | \$97.50 | \$4,095.00 | | | |
| 21 | 8" DI CL 52 PIPE WITH NITRILE GASKETS AND TRACER WIRE (OP | 82 | LF | \$90.00 | \$7,380.00 | \$100.00 | \$8,200.00 | \$118.00 | \$9,676.00 | \$112.00 | \$9,184.00 | | | |
| 22 | 16" PVC CASING PIPE | 20 | EA | \$150.00 | \$3,000.00 | \$110.00 | \$2,200.00 | \$130.00 | \$2,600.00 | \$225.00 | \$4,500.00 | | | |
| 23 | 8" VALVE | 25 | EA | \$2,500.00 | \$62,500.00 | \$2,323.00 | \$58,075.00 | \$2,800.00 | \$70,000.00 | \$1,725.00 | \$43,125.00 | | | |
| 24 | 12" VALVE | 3 | EA | \$4,000.00 | \$12,000.00 | \$3,490.00 | \$10,470.00 | \$4,105.00 | \$12,315.00 | \$2,725.00 | \$8,175.00 | | | |
| 25 | 8" BEND | 36 | EA | \$1,000.00 | \$36,000.00 | \$886.00 | \$31,896.00 | \$1,050.00 | \$37,800.00 | \$1,112.00 | \$40,032.00 | | | |
| 26 | 8" CAP/PLUG | 13 | EA | \$2,000.00 | \$26,000.00 | \$860.00 | \$11,180.00 | \$1,000.00 | \$13,000.00 | \$984.00 | \$12,792.00 | | | |
| 27 | 8" X 8" TEE | 14 | EA | \$1,600.00 | \$22,400.00 | \$1,152.00 | \$16,128.00 | \$1,400.00 | \$19,600.00 | \$1,223.00 | \$17,122.00 | | | |
| 28 | 12" X 8" TEE | 3 | EA | \$1,800.00 | \$5,400.00 | \$1,354.00 | \$4,062.00 | \$1,600.00 | \$4,800.00 | \$1,400.00 | \$4,200.00 | | | |
| 29 | 8" X 6" REDUCER | 1 | EA | \$700.00 | \$700.00 | \$720.00 | \$720.00 | \$850.00 | \$850.00 | \$600.00 | \$600.00 | | | |
| 30 | 8" SOLID SLEEVE | 10 | EA | \$500.00 | \$5,000.00 | \$765.00 | \$7,650.00 | \$900.00 | \$9,000.00 | \$1,000.00 | \$10,000.00 | | | |
| 31 | 12" SOLID SLEEVE | 4 | EA | \$700.00 | \$2,800.00 | \$950.00 | \$3,800.00 | \$1,200.00 | \$4,800.00 | \$1,112.00 | \$4,448.00 | | | |
| 32 | NEW 6" HYDRANT ASSEMBLY | 16 | EA | \$8,000.00 | \$128,000.00 | \$5,935.00 | \$94,960.00 | \$7,000.00 | \$112,000.00 | \$4,450.00 | \$71,200.00 | | | |
| 33 | PREPARE EXCAVATION FOR DMWW TO INSTALL TAPPING SLEE | 1 | EA | \$4,000.00 | \$4,000.00 | \$4,500.00 | \$4,500.00 | \$5,300.00 | \$5,300.00 | \$2,675.00 | \$2,675.00 | | | |
| 34 | NEW 1" WATER SERVICE TRANSFER, SAME SIDE | 36 | EA | \$2,000.00 | \$72,000.00 | \$2,500.00 | \$90,000.00 | \$3,000.00 | \$108,000.00 | \$2,225.00 | \$80,100.00 | | | |
| 35 | NEW 1" WATER SERVICE TRANSFER, OPPOSITE SIDE | 51 | EA | \$2,500.00 | \$127,500.00 | \$3,450.00 | \$175,950.00 | \$4,100.00 | \$209,100.00 | \$3,556.00 | \$181,356.00 | | | |
| 36 | FOUNDATION ROCK | 25 | EA | \$38.00 | \$950.00 | \$40.00 | \$1,000.00 | \$47.00 | \$1,175.00 | \$65.00 | \$1,625.00 | | | |
| 37 | 32 LB. MAGNESIUM ANODE | 1 | EA | \$400.00 | \$400.00 | \$1,000.00 | \$1,000.00 | \$1,200.00 | \$1,200.00 | \$1,225.00 | \$1,225.00 | | | |
| 38 | MANHOLE, SW-301, 48" | 7 | EA | \$7,500.00 | \$52,500.00 | \$8,150.00 | \$57,050.00 | \$9,600.00 | \$67,200.00 | \$12,000.00 | \$84,000.00 | | | |
| 39 | MANHOLE, SW-401, 60" | 1 | EA | \$6,000.00 | \$6,000.00 | \$6,565.00 | \$6,565.00 | \$7,725.00 | \$7,725.00 | \$6,000.00 | \$6,000.00 | | | |
| 40 | MANHOLE, SW-401, 72" | 1 | EA | \$8,000.00 | \$8,000.00 | \$8,075.00 | \$8,075.00 | \$9,500.00 | \$9,500.00 | \$7,300.00 | \$7,300.00 | | | |
| 41 | INTAKE, SW-501 | 4 | EA | \$3,500.00 | \$14,000.00 | \$5,000.00 | \$20,000.00 | \$3,600.00 | \$14,400.00 | \$4,400.00 | \$17,600.00 | | | |
| 42 | INTAKE, SW-502, 72" | 1 | EA | \$8,000.00 | \$8,000.00 | \$6,500.00 | \$6,500.00 | \$7,700.00 | \$7,700.00 | \$7,100.00 | \$7,100.00 | | | |
| 43 | INTAKE, SW-503 | 1 | EA | \$5,000.00 | \$5,000.00 | \$7,000.00 | \$7,000.00 | \$5,300.00 | \$5,300.00 | \$6,000.00 | \$6,000.00 | | | |
| 44 | INTAKE, SW-505 | 2 | EA | \$7,000.00 | \$14,000.00 | \$7,000.00 | \$14,000.00 | \$8,900.00 | \$17,800.00 | \$7,000.00 | \$14,000.00 | | | |
| 45 | INTAKE, SW-510 | 1 | EA | \$12,000.00 | \$12,000.00 | \$10,000.00 | \$10,000.00 | \$12,700.00 | \$12,700.00 | \$13,200.00 | \$13,200.00 | | | |
| 46 | INTAKE, SW-512, 24", TYPE 4B CASTING | 1 | EA | \$2,000.00 | \$2,000.00 | \$1,500.00 | \$1,500.00 | \$1,800.00 | \$1,800.00 | \$2,625.00 | \$2,625.00 | | | |
| 47 | INTAKE ADJUSTMENT, MINOR | 13 | EA | \$1,000.00 | \$13,000.00 | \$900.00 | \$11,700.00 | \$1,100.00 | \$14,300.00 | \$1,375.00 | \$17,875.00 | | | |
| 48 | MANHOLE ADJUSTMENT, MINOR, WITH BOXOUT | 21 | EA | \$2,000.00 | \$42,000.00 | \$2,050.00 | \$43,050.00 | \$2,500.00 | \$52,500.00 | \$1,400.00 | \$29,400.00 | | | |
| 49 | REMOVE MANHOLE | 9 | EA | \$1,000.00 | \$9,000.00 | \$400.00 | \$3,600.00 | \$471.00 | \$4,239.00 | \$650.00 | \$7,650.00 | | | |
| 50 | REMOVE INTAKE | 5 | EA | \$500.00 | \$2,500.00 | \$400.00 | \$2,000.00 | \$471.00 | \$2,355.00 | \$650.00 | \$4,250.00 | | | |
| 51 | PAVEMENT, PCC, 6" | 265 | SY | \$65.00 | \$17,225.00 | \$75.00 | \$19,875.00 | \$77.00 | \$20,405.00 | \$72.00 | \$19,080.00 | | | |
| 52 | PAVEMENT, PCC, 8" | 485 | SY | \$75.00 | \$36,375.00 | \$80.00 | \$38,800.00 | \$94.00 | \$45,590.00 | \$84.00 | \$40,740.00 | | | |
| 53 | CURB AND GUTTER, 30" (WIDTH), 6" (THICKNESS) | 9730 | LF | \$35.00 | \$340,550.00 | \$23.00 | \$223,790.00 | \$23.00 | \$223,790.00 | \$22.00 | \$214,060.00 | | | |

48

| ITEM | DESCRIPTION | QUANTITY | UNIT PRICE | AMOUNT | UNIT PRICE | AMOUNT | UNIT PRICE | AMOUNT | UNIT PRICE | AMOUNT | |
|--------------------------------|--|----------|--------------|----------------|--------------|----------------|-------------|----------------|--------------|----------------|--|
| 54 | HMA STANDARD TRAFFIC (ST) BASE, 3/4" PG 58-28S | 2560 TON | \$100.00 | \$256,000.00 | \$96.00 | \$245,760.00 | \$97.00 | \$248,320.00 | \$100.00 | \$256,000.00 | |
| 55 | HMA STANDARD TRAFFIC (ST) SURFACE, 1/2" PG 58-28H | 1765 TON | \$100.00 | \$176,500.00 | \$96.00 | \$169,440.00 | \$97.00 | \$171,205.00 | \$105.00 | \$185,325.00 | |
| 56 | REMOVAL OF SIDEWALK | 731 SY | \$10.00 | \$7,310.00 | \$14.00 | \$10,234.00 | \$13.00 | \$9,503.00 | \$20.00 | \$14,620.00 | |
| 57 | REMOVAL OF DRIVEWAY | 1856 SY | \$10.00 | \$18,560.00 | \$14.00 | \$25,984.00 | \$13.00 | \$24,128.00 | \$20.00 | \$37,120.00 | |
| 58 | SIDEWALK, PCC, 4" | 1181 SY | \$60.00 | \$70,860.00 | \$60.00 | \$70,860.00 | \$90.00 | \$106,290.00 | \$60.00 | \$70,860.00 | |
| 59 | SIDEWALK, PCC, 6" | 345 SY | \$65.00 | \$22,425.00 | \$70.00 | \$24,150.00 | \$140.00 | \$48,300.00 | \$100.00 | \$34,500.00 | |
| 60 | DETECTABLE WARNING, CAST IRON | 338 SF | \$65.00 | \$21,970.00 | \$45.00 | \$15,210.00 | \$59.00 | \$19,942.00 | \$90.00 | \$30,420.00 | |
| 61 | DRIVEWAY, PAVED, HMA, 4" | 65 SY | \$30.00 | \$1,950.00 | \$158.00 | \$10,270.00 | \$177.00 | \$11,505.00 | \$101.00 | \$6,565.00 | |
| 62 | DRIVEWAY, PAVED, PCC, 6" | 1871 SY | \$65.00 | \$121,615.00 | \$65.00 | \$121,615.00 | \$54.00 | \$101,034.00 | \$72.00 | \$134,712.00 | |
| 63 | FULL DEPTH PAVEMENT REMOVAL | 15075 SY | \$10.00 | \$150,750.00 | \$14.00 | \$211,050.00 | \$13.00 | \$195,975.00 | \$12.00 | \$180,900.00 | |
| 64 | PARTIAL DEPTH PAVEMENT REMOVAL, MILLING | 270 SY | \$4.00 | \$1,080.00 | \$16.00 | \$4,320.00 | \$18.00 | \$4,860.00 | \$12.00 | \$3,240.00 | |
| 65 | PAVEMENT RUBBLIZING | 2950 SY | \$8.00 | \$23,600.00 | \$15.00 | \$44,250.00 | \$17.00 | \$50,150.00 | \$25.00 | \$73,750.00 | |
| 66 | PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE | 3.3 STA | \$200.00 | \$660.00 | \$285.00 | \$940.50 | \$336.00 | \$1,108.80 | \$325.00 | \$1,072.50 | |
| 67 | TEMPORARY TRAFFIC CONTROL, S UNION ST | 1 LS | \$15,000.00 | \$15,000.00 | \$22,000.00 | \$22,000.00 | \$13,800.00 | \$13,800.00 | \$16,500.00 | \$16,500.00 | |
| 68 | TEMPORARY TRAFFIC CONTROL, SE 5TH ST | 1 LS | \$15,000.00 | \$15,000.00 | \$22,000.00 | \$22,000.00 | \$13,800.00 | \$13,800.00 | \$16,000.00 | \$16,000.00 | |
| 69 | PORTABLE DYNAMIC MESSAGE SIGNS | 85 DAY | \$200.00 | \$17,000.00 | \$150.00 | \$12,750.00 | \$177.00 | \$15,045.00 | \$175.00 | \$14,875.00 | |
| 70 | SIGNS, TYPE A, SHEET ALUMINUM | 174 SF | \$15.00 | \$2,610.00 | \$18.00 | \$3,132.00 | \$22.00 | \$3,828.00 | \$20.00 | \$3,480.00 | |
| 71 | SIGN POST, PERFORATED SQUARE STEEL TUBE | 400 LF | \$10.00 | \$4,000.00 | \$20.00 | \$8,000.00 | \$24.00 | \$9,600.00 | \$23.00 | \$9,200.00 | |
| 72 | REMOVE AND REINSTALL SIGN | 50 EA | \$75.00 | \$3,750.00 | \$225.00 | \$11,250.00 | \$265.00 | \$13,250.00 | \$250.00 | \$12,500.00 | |
| 73 | HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 1 (PE | 1 AC | \$3,000.00 | \$3,000.00 | \$4,900.00 | \$4,900.00 | \$5,800.00 | \$5,800.00 | \$2,600.00 | \$2,600.00 | |
| 74 | HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 6 (SA | 3.3 AC | \$5,000.00 | \$16,500.00 | \$4,900.00 | \$16,170.00 | \$5,800.00 | \$19,140.00 | \$2,700.00 | \$8,910.00 | |
| 75 | SOD | 50 SQ | \$100.00 | \$5,000.00 | \$150.00 | \$7,500.00 | \$177.00 | \$8,850.00 | \$85.00 | \$4,250.00 | |
| 76 | STORMWATER POLLUTION PREVENTION PLAN (SWPPP), S UNIO | 1 LS | \$3,500.00 | \$3,500.00 | \$4,500.00 | \$4,500.00 | \$5,300.00 | \$5,300.00 | \$2,800.00 | \$2,800.00 | |
| 77 | STORMWATER POLLUTION PREVENTION PLAN (SWPPP), SE 5TH | 1 LS | \$3,500.00 | \$3,500.00 | \$4,500.00 | \$4,500.00 | \$5,300.00 | \$5,300.00 | \$2,800.00 | \$2,800.00 | |
| 78 | TEMPORARY RECP, TYPE 1 | 3000 SY | \$3.00 | \$9,000.00 | \$1.26 | \$3,780.00 | \$2.00 | \$6,000.00 | \$3.00 | \$6,000.00 | |
| 79 | WATTLE, 9" NOMINAL, INSTALLATION AND REMOVAL | 3000 LF | \$3.00 | \$9,000.00 | \$1.50 | \$4,500.00 | \$2.00 | \$6,000.00 | \$3.00 | \$9,000.00 | |
| 80 | DUST CONTROL, WATER | 1.5 MGAL | \$5,000.00 | \$7,500.00 | \$5,000.00 | \$7,500.00 | \$7,500.00 | \$11,250.00 | \$8,200.00 | \$12,300.00 | |
| 81 | EROSION CONTROL MULCHING, HYDROMULCHING | 3 AC | \$5,000.00 | \$15,000.00 | \$1,950.00 | \$5,850.00 | \$2,300.00 | \$6,900.00 | \$950.00 | \$2,850.00 | |
| 82 | INLET PROTECTION DEVICE, INSTALLATION, MAINTENANCE, ANI | 29 EA | \$500.00 | \$14,500.00 | \$170.00 | \$4,930.00 | \$200.00 | \$5,800.00 | \$150.00 | \$4,350.00 | |
| 83 | CHAIN LINK FENCE, ZINC-COATED, 48" | 850 LF | \$20.00 | \$17,000.00 | \$25.00 | \$21,250.00 | \$20.00 | \$17,000.00 | \$19.00 | \$16,150.00 | |
| 84 | CHAIN LINK FENCE, BLACK PVC-COATED, 48" | 60 LF | \$25.00 | \$1,500.00 | \$35.00 | \$2,100.00 | \$23.00 | \$1,380.00 | \$22.00 | \$1,320.00 | |
| 85 | REMOVAL AND REINSTALLATION OF EXISTING FENCE GATE | 5 EA | \$500.00 | \$2,500.00 | \$750.00 | \$3,750.00 | \$1,200.00 | \$6,000.00 | \$1,100.00 | \$5,500.00 | |
| 86 | REMOVAL OF FENCE | 865 LF | \$5.00 | \$4,325.00 | \$7.50 | \$6,487.50 | \$4.00 | \$3,460.00 | \$3.50 | \$3,027.50 | |
| 87 | TEMPORARY FENCE, EXISTING CHAIN LINK | 185 LF | \$20.00 | \$3,700.00 | \$20.00 | \$3,700.00 | \$7.00 | \$1,295.00 | \$7.00 | \$1,295.00 | |
| 88 | MODULAR BLOCK RETAINING WALL, SALVAGE AND REINSTALL E | 260 SF | \$20.00 | \$5,000.00 | \$26.00 | \$6,500.00 | \$30.00 | \$7,500.00 | \$27.50 | \$6,875.00 | |
| 89 | MODULAR BLOCK RETAINING WALL | 480 SF | \$40.00 | \$19,200.00 | \$40.00 | \$19,200.00 | \$46.00 | \$22,080.00 | \$43.00 | \$20,640.00 | |
| 90 | SEGMENTAL BLOCK RETAINING WALL | 355 SF | \$45.00 | \$15,975.00 | \$50.00 | \$17,750.00 | \$58.00 | \$20,590.00 | \$55.00 | \$19,525.00 | |
| 91 | SEGMENTAL BLOCK FREESTANDING WALL | 100 SF | \$45.00 | \$4,500.00 | \$50.00 | \$5,000.00 | \$58.00 | \$5,800.00 | \$55.00 | \$5,500.00 | |
| 92 | CONCRETE STEPS, TYPE A | 32 SF | \$100.00 | \$3,200.00 | \$125.00 | \$4,000.00 | \$147.00 | \$4,704.00 | \$140.00 | \$4,480.00 | |
| 93 | PRECAST FRONT ENTRANCE STEPS, 5' WIDE, 3 STEPS WITH LAN | 1 EA | \$1,000.00 | \$1,000.00 | \$3,000.00 | \$3,000.00 | \$7,900.00 | \$7,900.00 | \$2,200.00 | \$2,200.00 | |
| 94 | PRECAST SIDE ENTRANCE STEPS, 4' WIDE, 4 STEPS WITH LAND | 1 EA | \$1,000.00 | \$1,000.00 | \$3,000.00 | \$3,000.00 | \$8,900.00 | \$8,900.00 | \$2,200.00 | \$2,200.00 | |
| 95 | TREE PROTECTION FENCE | 1000 LF | \$5.00 | \$5,000.00 | \$3.25 | \$3,250.00 | \$4.00 | \$4,000.00 | \$3.00 | \$3,000.00 | |
| 96 | MOBILIZATION | 1 LS | \$126,865.00 | \$126,865.00 | \$325,000.00 | \$325,000.00 | \$75,000.00 | \$75,000.00 | \$272,000.00 | \$272,000.00 | |
| 97 | MAINTENANCE OF POSTAL SERVICE | 1 LS | \$1,500.00 | \$1,500.00 | \$6,000.00 | \$6,000.00 | \$5,900.00 | \$5,900.00 | \$6,600.00 | \$6,600.00 | |
| 98 | MAINTENANCE OF SOLID WASTE COLLECTION | 1 LS | \$1,500.00 | \$1,500.00 | \$6,000.00 | \$6,000.00 | \$4,200.00 | \$4,200.00 | \$7,900.00 | \$7,900.00 | |
| 99 | TEMPORARY GRANULAR SURFACING, 4" | 900 SY | \$10.00 | \$9,000.00 | \$12.00 | \$10,800.00 | \$12.00 | \$10,800.00 | \$32.00 | \$28,800.00 | |
| 100 | CONCRETE WASHOUT | 1 LS | \$2,500.00 | \$2,500.00 | \$5,000.00 | \$5,000.00 | \$10,600.00 | \$10,600.00 | \$6,800.00 | \$6,800.00 | |
| TOTAL CONSTRUCTION COST | | | | \$3,150,000.00 | | \$3,339,059.00 | | \$3,452,800.80 | | \$3,558,052.00 | |
| PERCENT OF ENGINEER'S ESTIMATE | | | | | | +6.00% | | +9.61% | | +12.95% | |
| | | | | | | Low | | | | | |