## Roll Call Number

## Agenda Item Number



DATE June 14, 2021

## PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON

E. 2ND STREET RECONSTRUCTION FROM E. COURT AVENUE TO IOWA INTERSTATE RAILROAD; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE
BIDDER AS JASPER CONSTRUCTION SERVICES, INC., CLIFF RHOADS, PRESIDENT, \$1,267,719.55
WHEREAS, on May 10, 2021, under Roll Call No. 21-0669, 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. 2nd Street Reconstruction from E. Court Avenue to Iowa Interstate Railroad, 062021007

The improvement includes construction of Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, PCC driveways, PCC sidewalks, modified subbase, subdrain, storm sewer, intakes, biocells, pavement markings, electrical conduit, water main relocations, site furnishings, plantings, ornamental fencing and gates, and miscellaneous associated work and incidental items; all in accordance with the contract documents, including Plan File Nos. 629-004/056, located on East 2nd Street from East Court Avenue to the Iowa Interstate Railroad at East Vine Street, Des Moines, Iowa

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

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

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

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

Jasper Construction Services, Inc., Newton, IA, Low Bid
Absolute Concrete Construction, Inc., Slater, IA
T K Concrete, Inc., Pella, IA
Elder Corporation, Des Moines, IA

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which were received and opened at a public meeting presided over by the Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on May 25, 2021.
Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.
BE IT FURTHER RESOLVED: That the Des Moines City Engineer, as the Engineer, has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Jasper Construction Services, Inc., Cliff Rhoads, President, 928 N 19th Avenue East, Newton, IA, 50208 in the amount of $\$ 1,267,719.55$, 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 neccessary road closures for the Project.
$\qquad$ to adopt.
(Council Communication No. 21-269

FORM APPROVED:
s/Kathleen Vanderpool
Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE
s/ Nickolas J. Schaul
Nickolas J. Schaul
Director of Finance

Funding Source: 2021-2022 CIP, Page 133, Market District Infrastructure Improvements, ST282, 5 Being: $\$ 1,212,899.55$ in TIF Bonds to be issued and the remaining $\$ 54,820$ from Des Moines Water

## Roll Call Number

## Agenda Item Number



| COUNCILACTION | YEAS | NAYS | PASS | ABSENT | I, P. Kay Cmelik, City Clerk of said City <br> Council, hereby certify that at a meeting of the |
| :--- | :--- | :--- | :--- | :--- | :--- |
| COWNIE |  |  |  |  |  |
| WESTERGAARD |  |  |  |  |  |
| City Council, held on the above date, among |  |  |  |  |  |
| other proceedings the above was adopted. |  |  |  |  |  |

TABULATED BY: Engineer APPROVED BY Po Wa, CHECKED $B Y$ :

## CONTRACTOR'S BID TABULATION

| ITEM | DESCRIPTION |
| :---: | :---: |
| BASE ITEMS |  |
| 1 | Clearing and Grubbing |
| 2 | Excavation, Class 13 |
| 3 | Subgrade Preparation |
| 4 | Subbase, Modified, 6" |
| 5 | Trench Foundation |
| 6 | Imported Backfill |
| 7 | Special Pipe Support |
| 8 | Storm Sewer, Trenched, RCP, Class III, 15" |
| 9 | Removal of Sewer, Less Than or Equal To 36" |
| 10 | Subdrain, Type 1, Perforated PVC SDR 35, 6" |
| 11 | Subdrain Cleanout, Type A-1, 6" |
| 12 | Subdrain Outlet and Connections, $6^{\prime \prime}$ |
| 13 | Manhole, Type SW-401, 48" |
| 14 | Manhole, Type SW-401, 60" |
| 15 | Intake, Type SW-501 |
| 16 | Intake, Inline Drain, PVC, 10" |
| 17 | Connection to Existing Sewer |
| 18 | Remove Sewer Structure |
| 19 | PCC Pavment, $7^{\prime \prime}$ with Intergral Curb and Gutter |
| 20 | Pavement, HMA HT Surface, 1/2" Mix, PG 58-28 S |
| 21 | Sawcut and Remove Beam Curb (At Salvation Army Lot) |
| 22 | Removal of Sidewalk |
| 23 | Removal of Driveway |
| 24 | Sidewalk, PCC, 5" |
| 25 | Detectable Warning |
| 26 | Driveway, Paved, PCC, 7" |
| 27 | Granular Surfacing, Class A Crushed Stone |
| 28 | Beam Curb (At Bioretention Cell), PCC, Reinforced |
| 29 | Curb Cut Cover Plate |
| 30 | Pavement Removal |
| 31 | Removal of Gravel Sufacing |
| 32 | Steel Rail Track Removal |
| 33 | Painted Pavement Markings, Durable, Epoxy |
| 34 | Grooves Cut for Pavement Markings |
| 35 | Temporary Traffic Control |
| 36 | Removal of Signs and Bollards |
| 37 | Light Pole Foundation Removal |
| 38 | Type A Sign, Sheet Aluminum |
| 39 | Sign Post, Round, Steel Post |
| 40 | Double-Shredded Hardwood Mulch |
| 41 | Plants with Warranty, Deciduous Tree, B\&B |
| 42 | Plants with Warranty, Shrub, Cont |
| 43 | Plants with Warranty, Perennial Plant, Cont |
| 44 | Plants with Warranty, Bulb (Plant) |
| 45 | Modified Soils, At Biocell |
| 46 | Planting Soils, At Grade Planting Area |
| 47 | Choker Aggregate, At Biocell |
| 48 | Aggregate Subbase, At Biocell |
| 49 | Engineering Fabric, At Biocell |

PROJECT: E. 2ND STREET RECONSTRUCTION FROM E. COURT AVENUE TO IOWA INTERSTATE RAILROAD
-ESTIMATE
AD ESCRIPTION QUANTITY PRICE

| QUANTITY |
| :---: |
|  |
| 6.4 UNIT |
| 384 CY |
| 3431 SY |
| 2596 SY |
| 250 TON |
| 250 TON |
| 4 EA |
| 579 LF |
| 621 LF |
| 898 LF |
| 7 EA |
| 24 EA |
| 3 EA |
| 1 EA |
| 5 EA |
| 2 EA |
| 1 EA |
| 9 EA |
| 1752 SY |
| 36 TON |
| 1 |
| 470 SS |
| 490 SY |
| 813 SY |
| 48 SF |
| 676 SY |
| 250 TON |
| 182 LF |
| 2 |


| Jasper Construction Services, Inc. Newton, IA |  | Absolute Concrete Construction, Inc. Slater, IA |  | TK Concrete, Inc. Pella, IA |  | Elder Corporation Des Moines, IA |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BID SECURITY 10\% Bid Bond |  | BID SECURITY 10\% Bid Bond |  | BID SECURITY 10\% Bid Bond |  | BID SECURITY 10\% Bid Bond |  |
| BID PRICE |  | BID PRICE |  | BID PRICE |  | BID PRICE |  |
| UNIT |  | UNIT |  | UNIT |  | UNIT |  |
| PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT |
| \$10.00 | \$64.00 | \$750.00 | \$4,800.00 | \$750.00 | \$4,800.00 | \$140.00 | \$896.00 |
| \$40.00 | \$15,360.00 | \$20.00 | \$7,680.00 | \$25.00 | \$9,600.00 | \$24.25 | \$9,312.00 |
| \$12.00 | \$41,172.00 | \$5.00 | \$17,155.00 | \$3.00 | \$10,293.00 | \$4.40 | \$15,096.40 |
| \$25.00 | \$64,900.00 | \$12.00 | \$31,152.00 | \$14.00 | \$36,344.00 | \$11.75 | \$30,503.00 |
| \$15.00 | \$3,750.00 | \$50.00 | \$12,500.00 | \$50.00 | \$12,500.00 | \$55.50 | \$13,875.00 |
| \$25.00 | \$6,250.00 | \$45.00 | \$11,250.00 | \$40.00 | \$10,000.00 | \$35.50 | \$8,875.00 |
| \$300.00 | \$1,200.00 | \$1,000.00 | \$4,000.00 | \$1,750.00 | \$7,000.00 | \$1,800.00 | \$7,200.00 |
| \$80.00 | \$46,320.00 | \$97.00 | \$56,163.00 | \$132.00 | \$76,428.00 | \$135.00 | \$78,165.00 |
| \$20.00 | \$12,420.00 | \$18.00 | \$11,178.00 | \$25.00 | \$15,525.00 | \$74.50 | \$46,264.50 |
| \$20.00 | \$17,960.00 | \$27.00 | \$24,246.00 | \$25.00 | \$22,450.00 | \$69.00 | \$61,962.00 |
| \$825.00 | \$5,775.00 | \$595.00 | \$4,165.00 | \$1,050.00 | \$7,350.00 | \$1,400.00 | \$9,800.00 |
| \$250.00 | \$6,000.00 | \$450.00 | \$10,800.00 | \$350.00 | \$8,400.00 | \$580.00 | \$13,920.00 |
| \$5,700.00 | \$17,100.00 | \$3,500.00 | \$10,500.00 | \$6,850.00 | \$20,550.00 | \$4,800.00 | \$14,400.00 |
| \$8,500.00 | \$8,500.00 | \$5,750.00 | \$5,750.00 | \$10,000.00 | \$10,000.00 | \$8,100.00 | \$8,100.00 |
| \$6,300.00 | \$31,500.00 | \$5,700.00 | \$28,500.00 | \$7,300.00 | \$36,500.00 | \$3,800.00 | \$19,000.00 |
| \$2,000.00 | \$4,000.00 | \$1,250.00 | \$2,500.00 | \$2,500.00 | \$5,000.00 | \$2,500.00 | \$5,000.00 |
| \$3,600.00 | \$3,600.00 | \$4,000.00 | \$4,000.00 | \$4,600.00 | \$4,600.00 | \$4,100.00 | \$4,100.00 |
| \$550.00 | \$4,950.00 | \$450.00 | \$4,050.00 | \$750.00 | \$6,750.00 | \$1,500.00 | \$13,500.00 |
| \$75.00 | \$131,400.00 | \$99.00 | \$173,448.00 | \$75.00 | \$131,400.00 | \$96.00 | \$168,192.00 |
| \$168.00 | \$6,048.00 | \$168.00 | \$6,048.00 | \$210.00 | \$7,560.00 | \$170.00 | \$6,120.00 |
| \$1,500.00 | \$1,500.00 | \$7,000.00 | \$7,000.00 | \$2,000.00 | \$2,000.00 | \$2,300.00 | \$2,300.00 |
| \$15.00 | \$7,050.00 | \$15.00 | \$7,050.00 | \$15.00 | \$7,050.00 | \$5.35 | \$2,514.50 |
| \$15.00 | \$7,350.00 | \$15.00 | \$7,350.00 | \$15.00 | \$7,350.00 | \$12.00 | \$5,880.00 |
| \$72.00 | \$58,536.00 | \$65.00 | \$52,845.00 | \$55.00 | \$44,715.00 | \$79.00 | \$64,227.00 |
| \$55.00 | \$2,640.00 | \$65.00 | \$3,120.00 | \$50.00 | \$2,400.00 | \$58.00 | \$2,784.00 |
| \$80.00 | \$54,080.00 | \$75.00 | \$50,700.00 | \$68.50 | \$46,306.00 | \$82.50 | \$55,770.00 |
| \$50.00 | \$12,500.00 | \$45.00 | \$11,250.00 | \$40.00 | \$10,000.00 | \$35.00 | \$8,750.00 |
| \$125.00 | \$22,750.00 | \$45.00 | \$8,190.00 | \$75.00 | \$13,650.00 | \$110.50 | \$20,111.00 |
| \$750.00 | \$1,500.00 | \$2,100.00 | \$4,200.00 | \$1,000.00 | \$2,000.00 | \$1,500.00 | \$3,000.00 |
| \$15.00 | \$39,585.00 | \$12.00 | \$31,668.00 | \$12.50 | \$32,987.50 | \$11.00 | \$29,029.00 |
| \$15.00 | \$1,515.00 | \$18.00 | \$1,818.00 | \$20.00 | \$2,020.00 | \$4.30 | \$434.30 |
| \$45.00 | \$11,925.00 | \$20.00 | \$5,300.00 | \$50.00 | \$13,250.00 | \$38.50 | \$10,202.50 |
| \$760.00 | \$1,314.80 | \$760.00 | \$1,314.80 | \$1,000.00 | \$1,730.00 | \$800.00 | \$1,384.00 |
| \$600.00 | \$1,038.00 | \$600.00 | \$1,038.00 | \$850.00 | \$1,470.50 | \$620.00 | \$1,072.60 |
| \$8,250.00 | \$8,250.00 | \$15,000.00 | \$15,000.00 | \$10,725.00 | \$10,725.00 | \$8,700.00 | \$8,700.00 |
| \$200.00 | \$2,600.00 | \$200.00 | \$2,600.00 | \$250.00 | \$3,250.00 | \$206.00 | \$2,678.00 |
| \$675.00 | \$675.00 | \$675.00 | \$675.00 | \$1,000.00 | \$1,000.00 | \$510.00 | \$510.00 |
| \$25.00 | \$606.25 | \$25.00 | \$606.25 | \$40.00 | \$970.00 | \$25.75 | \$624.44 |
| \$20.00 | \$640.00 | \$20.00 | \$640.00 | \$30.00 | \$960.00 | \$20.50 | \$656.00 |
| \$97.00 | \$1,891.50 | \$80.00 | \$1,560.00 | \$100.00 | \$1,950.00 | \$100.00 | \$1,950.00 |
| \$485.00 | \$8,245.00 | \$750.00 | \$12,750.00 | \$850.00 | \$14,450.00 | \$500.00 | \$8,500.00 |
| \$55.00 | \$3,245.00 | \$85.00 | \$5,015.00 | \$110.00 | \$6,490.00 | \$57.00 | \$3,363.00 |
| \$12.00 | \$12,348.00 | \$20.00 | \$20,580.00 | \$25.00 | \$25,725.00 | \$13.00 | \$13,377.00 |
| \$4.00 | \$416.00 | \$20.00 | \$2,080.00 | \$25.00 | \$2,600.00 | \$5.00 | \$520.00 |
| \$95.00 | \$4,180.00 | \$90.00 | \$3,960.00 | \$115.00 | \$5,060.00 | \$230.00 | \$10,120.00 |
| \$95.00 | \$19,665.00 | \$90.00 | \$18,630.00 | \$110.00 | \$22,770.00 | \$250.00 | \$51,750.00 |
| \$65.00 | \$162.50 | \$150.00 | \$375.00 | \$300.00 | \$750.00 | \$430.00 | \$1,075.00 |
| \$65.00 | \$780.00 | \$150.00 | \$1,800.00 | \$225.00 | \$2,700.00 | \$89.27 | \$1,071.24 |
| \$6.00 | \$570.00 | \$8.00 | \$760.00 | \$10.00 | \$950.00 | \$6.50 | \$617.50 |


|  |  |  | UNIT |  | UNIT |  | UNIT |  | UNIT |  | UNIT |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ITEM | DESCRIPTION | QUANTITY | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT | PRICE | AMOUNT |
| 50 | Filter Sock | 265 LF | \$5.00 | \$1,325.00 | \$2.00 | \$530.00 | \$4.00 | \$1,060.00 | \$5.00 | \$1,325.00 | \$2.10 | \$556.50 |
| 51 | Stabilized Construction Entrance | 500 TON | \$40.00 | \$20,000.00 | \$50.00 | \$25,000.00 | \$45.00 | \$22,500.00 | \$45.00 | \$22,500.00 | \$52.00 | \$26,000.00 |
| 52 | Inlet Protection Device | 7 EA | \$275.00 | \$1,925.00 | \$145.00 | \$1,015.00 | \$200.00 | \$1,400.00 | \$250.00 | \$1,750.00 | \$149.35 | \$1,045.45 |
| 53 | Sediment Box | 2 EA | \$1,500.00 | \$3,000.00 | \$3,500.00 | \$7,000.00 | \$3,000.00 | \$6,000.00 | \$2,500.00 | \$5,000.00 | \$2,700.00 | \$5,400.00 |
| 54 | 1" Clean Crushed Stone | 10 TON | \$100.00 | \$1,000.00 | \$65.00 | \$650.00 | \$150.00 | \$1,500.00 | \$225.00 | \$2,250.00 | \$150.00 | \$1,500.00 |
| 55 | Erosion Control Rock, 3"-6" Trap Rock | 10 TON | \$150.00 | \$1,500.00 | \$245.00 | \$2,450.00 | \$500.00 | \$5,000.00 | \$550.00 | \$5,500.00 | \$445.00 | \$4,450.00 |
| 56 | Ornamental Fence and Pedestrian Gate | 120 LF | \$200.00 | \$24,000.00 | \$173.00 | \$20,760.00 | \$175.00 | \$21,000.00 | \$200.00 | \$24,000.00 | \$181.00 | \$21,720.00 |
| 57 | Ornamental Cantilever Gate | 1 EA | \$6,500.00 | \$6,500.00 | \$7,200.00 | \$7,200.00 | \$7,200.00 | \$7,200.00 | \$9,000.00 | \$9,000.00 | \$7,600.00 | \$7,600.00 |
| 58 | Cantilever Gate Motor and Áccess Control System | 1 AL | \$25,000.00 | \$25,000.00 | \$25,000.00 | \$25,000.00 | \$25,000.00 | \$25,000.00 | \$25,000.00 | \$25,000.00 | \$25,000.00 | \$25,000.00 |
| 59 | Removal of Fence | 126 LF | \$20.00 | \$2,520.00 | \$8.75 | \$1,102.50 | \$25.00 | \$3,150.00 | \$15.00 | \$1,890.00 | \$9.20 | \$1,159.20 |
| 60 | Steel Edging | 100 LF | \$12.50 | \$1,250.00 | \$7.00 | \$700.00 | \$12.00 | \$1,200.00 | \$25.00 | \$2,500.00 | \$7.25 | \$725.00 |
| 61 | Bioretention Edge Rail, At Biocell | 175 LF | \$175.00 | \$30,625.00 | \$190.00 | \$33,250.00 | \$200.00 | \$35,000.00 | \$205.00 | \$35,875.00 | \$135.50 | \$23,712.50 |
| 62 | Railroad Provisions | 1 LS | \$25,000.00 | \$25,000.00 | \$25,000.00 | \$25,000.00 | \$5,000.00 | \$5,000.00 | \$25,000.00 | \$25,000.00 | \$26,000.00 | \$26,000.00 |
| 63 | Construction Survey | 1 LS | \$13,000.00 | \$13,000.00 | \$25,000.00 | \$25,000.00 | \$20,000.00 | \$20,000.00 | \$10,500.00 | \$10,500.00 | \$7,900.00 | \$7,900.00 |
| 64 | Mobilization | 1 LS | \$50,001.00 | \$50,001.00 | \$172,000.00 | \$172,000.00 | \$175,000.00 | \$175,000.00 | \$175,000.00 | \$175,000.00 | \$116,942.62 | \$116,942.62 |
| 65 | Concrete Washout | 1 LS | \$4,500.00 | \$4,500.00 | \$2,500.00 | \$2,500.00 | \$1,500.00 | \$1,500.00 | \$2,500.00 | \$2,500.00 | \$2,600.00 | \$2,600.00 |
| 66 | Reinforced Concrete Box (RBC), Single Cell, $12^{\prime} \times 4^{\prime}$ | 24 LF | \$1,250.00 | \$30,000.00 | \$1,200.00 | \$28,800.00 | \$1,600.00 | \$38,400.00 | \$1,500.00 | \$36,000.00 | \$4,300.00 | \$103,200.00 |
| 67 | Litter Receptacle | 1 EA | \$3,000.00 | \$3,000.00 | \$2,175.00 | \$2,175.00 | \$2,000.00 | \$2,000.00 | \$5,000.00 | \$5,000.00 | \$1,900.00 | \$1,900.00 |
| 68 | Electrical Conduit, Schedule 40, 1.5 ${ }^{\text {² }}$ | 914 LF | \$16.50 | \$15,081.00 | \$10.00 | \$9,140.00 | \$10.00 | \$9,140.00 | \$12.50 | \$11,425.00 | \$25.75 | \$23,535.50 |
| 69 | Electrical Conduit, Schedule 40, 2" | 317 LF | \$20.00 | \$6,340.00 | \$13.00 | \$4,121.00 | \$13.00 | \$4,121.00 | \$17.00 | \$5,389.00 | \$26.75 | \$8,479.75 |
| 70 | Electrical Handhole, 12"x12" | 6 EA | \$1,500.00 | \$9,000.00 | \$550.00 | \$3,300.00 | \$550.00 | \$3,300.00 | \$750.00 | \$4,500.00 | \$2,000.00 | \$12,000.00 |
| 71 | Electrical Handhole, 18" Diameter | 3 EA | \$1,800.00 | \$5,400.00 | \$755.00 | \$2,265.00 | \$755.00 | \$2,265.00 | \$1,000.00 | \$3,000.00 | \$2,300.00 | \$6,900.00 |
| 72 | Electrical Meter-Controls Pedestal | 1 EA | \$4,500.00 | \$4,500.00 | \$7,000.00 | \$7,000.00 | \$7,000.00 | \$7,000.00 | \$8,500.00 | \$8,500.00 | \$5,600.00 | \$5,600.00 |
| 73 | Electrical Service Transfer | 1 EA | \$8,500.00 | \$8,500.00 | \$42,654.00 | \$42,654.00 | \$42,654.00 | \$42,654.00 | \$53,000.00 | \$53,000.00 | \$11,000.00 | \$11,000.00 |
| 74 | Street Light Pole Foundation and Base | 3 EA | \$8,500.00 | \$25,500.00 | \$2,500.00 | \$7,500.00 | \$2,500.00 | \$7,500.00 | \$3,500.00 | \$10,500.00 | \$10,000.00 | \$30,000.00 |
| 75 | Watermain, Trenched, Ductile Iron, Restrained Joint, 8", For Watermain Alteration | 120 LF | \$200.00 | \$24,000.00 | \$135.00 | \$16,200.00 | \$330.00 | \$39,600.00 | \$185.00 | \$22,200.00 | \$460.00 | \$55,200.00 |
| 76 | Exploratory Excavation to Locate Existing Watermain Below Proposed Storm Sewer | 3 EA | \$3,000.00 | \$9,000.00 | \$950.00 | \$2,850.00 | \$3,800.00 | \$11,400.00 | \$1,500.00 | \$4,500.00 | \$1,800.00 | \$5,400.00 |
| 77 | Fittings by Weight, Ductile Iron | 920 LB | \$11.50 | \$10,580.00 | \$16.00 | \$14,720.00 | \$28.00 | \$25,760.00 | \$20.00 | \$18,400.00 | \$15.25 | \$14,030.00 |
| 78 | Fire Hydrant Assembly | 1 EA | \$8,000.00 | \$8,000.00 | \$14,000.00 | \$14,000.00 | \$5,885.00 | \$5,885.00 | \$15,000.00 | \$15,000.00 | \$25,000.00 | \$25,000.00 |
| 79 | 32 lb Magnesium Anode | 4 EA | \$800.00 | \$3,200.00 | \$950.00 | \$3,800.00 | \$650.00 | \$2,600.00 | \$1,250.00 | \$5,000.00 | \$910.00 | \$3,640.00 |
| 80 | Foundation Rock, DMWW | 25 TON | \$45.00 | \$1,125.00 | \$50.00 | \$1,250.00 | \$96.00 | \$2,400.00 | \$60.00 | \$1,500.00 | \$55.50 | \$1,387.50 |
| 81 | Manufactured Sand For Watermain Alterations | 50 TON | \$65.00 | \$3,250.00 | \$40.00 | \$2,000.00 | \$60.00 | \$3,000.00 | \$50.00 | \$2,500.00 | \$46.00 | \$2,300.00 |
| TOTAL BASE CONSTRUCTION COST |  |  |  | \$1,177,500.00 | \$1,226,759.55 |  | \$1,248,295.05 |  | \$1,286,333.00 |  | \$1,429,136.00 |  |
| ADD ALTERNATE ITEMS |  |  |  |  |  |  |  |  |  |  |  |  |
| A. 01 | Water Line from Main to Meter, $1^{\prime \prime}$ | 46 LF | \$130.00 | \$5,980.00 | \$60.00 | \$2,760.00 | \$50.00 | \$2,300.00 | \$80.00 | \$3,680.00 | \$134.00 | \$6,164.00 |
| A. 02 | 1" Tap to Watermain for Irrigation | 1 EA | \$2,000.00 | \$2,000.00 | \$1,900.00 | \$1,900.00 | \$3,000.00 | \$3,000.00 | \$2,500.00 | \$2,500.00 | \$2,600.00 | \$2,600.00 |
| A. 03 | Irrigation System: Lines, Valves, Sleeves, Sprays, Controller and Pedestal, Complett | 1 LS | \$47,500.00 | \$47,500.00 | \$24,900.00 | \$24,900.00 | \$31,250.00 | \$31,250.00 | \$40,000.00 | \$40,000.00 | \$56,000.00 | \$56,000.00 |
| A. 04 | Insulated RPZ Cabinet/Enclosure and PCC Pad | 1 EA | \$10,000.00 | \$10,000.00 | \$5,000.00 | \$5,000.00 | \$6,165.00 | \$6,165.00 | \$12,000.00 | \$12,000.00 | \$11,000.00 | \$11,000.00 |
| A. 05 | Meter Pit and $3 / 4^{\prime \prime}$ Meter for Irrigation | $1 \mathrm{EA} \quad \$ 7,020.00$ |  | \$7,020.00 | \$6,400.00 | \$6,400.00 | \$6,025.00 | \$6,025.00$\$ 48,740.00$ | \$7,500.00 | $\$ 7,500.00$ <br> $\$ 65,880.00$ | \$10,000.00 | $\$ 10,000.00$$\$ 85,764.00$ |
| SUBTOTAL OF ADD ALTERNATE ITEMS \$72,500.00 |  |  |  |  |  | \$40,960.00 |  |  |  |  |  |  |
| TOTAL BASE CONSTRUCTION COST PLUS ADD ALTERNATES \$1,250,000.00 |  |  |  |  | \$1,267,719.55 |  | \$1,297,035.05 |  | \$1,352,013.00 |  | \$1,514,900.00 |  |
| STAFF RECOMMENDS ACCEPTANGE OF THE BASE BID AND ALL ADD ALTERNATE ITEMS PERCENT OF ENGINEER'S ESTIMATE |  |  |  |  | $\begin{gathered} \text { 1.42\% } \\ \text { Low } \end{gathered}$ |  | 3.76\% |  | 8.16\% |  | 21.19\% |  |

