

March 11, 2020

Honorable Mayor and Council Members
City of Knoxville, Iowa

RE: ROCHE STREET CULVERT REPLACEMENT PROJECT
REPORT OF BIDS AND RECOMMENDATION OF AWARD

Dear Honorable Mayor and Council Members:

On Tuesday, March 10, 2020 at 2:00 PM the City received three (3) bids for the above noted project, which were opened and read aloud publicly in the Council Chambers. Based on the unit prices and calculation of the total bid amounts, the lowest bidder was TK Concrete, Inc. from Pella, Iowa with a total adjusted bid of \$529,815.00. The engineer's estimate of probable construction costs was \$512,336. The low bidder was 3.4% above the engineer's estimate. A summary of the bid results are below and the bid tabulation is attached for additional information:

| | |
|------------------------------|--------------|
| TK Concrete, Inc..... | \$529,815.00 |
| Evolution Contracting..... | \$579,369.00 |
| Iowa Bridge and Culvert..... | \$695,640.30 |

The City has the choice to either concur with and accept the bid results or reject the bids and re-let the project at a later date. If the project is re-let it will need to have substantive changes in the design, which will be difficult to achieve with this particular project. As with any project, re-bidding carries risk of a higher bid depending on current bidding environment or economic conditions at the time of the bid. We anticipate a continued increase in construction activity in the foreseeable future which may not improve the bidding environment.

TK Concrete, Inc. has performed acceptable construction projects for the City of Knoxville in the past. We reached out to TK Concrete, Inc. regarding their experience with similar construction work and apparently they have limited relevant experience. Based on our previous experience with TK Concrete, Inc it does appear they have the proper equipment, materials, and workforce to complete the work as specified. Based on this information, Snyder & Associates, Inc. recommends the City to accept the bids and award the construction contract to the low bidder, TK Concrete, Inc.

The contract documents will be sent to TK Concrete, Inc. and will be forwarded to the City by TK Concrete, Inc. for final execution. The preconstruction meeting will be planned for April 2020 with

City of Knoxville Mayor and Council Members
Roche Culvert
March 12, 2020
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construction to begin between April 2020 and the late start date of June 15, 2020. There are 70 working days assigned to substantially complete the work.

If you have any questions relating to this project, please don't hesitate to call.

Sincerely,
SNYDER & ASSOCIATES, INC.



Andy Burke, P.E.
Project Manager

Enclosures

CC: Tony Vermeer, TK Concrete, Inc. (electronic)

TABULATION OF BIDS

Roche Street Culvert Replacement

City of Knoxville

119.0729.01

Bid Date/Time: March 10, 2020 at 2:00 PM

| ITEM | DESCRIPTION | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | 1 TK CONCRETE, INC. PELLA, IA | | 2 EVOLUTION CONTRACTING INDIANOLA, IA | | 3 IOWA BRIDGE & CULVERT, LC WASHINGTON, IA | |
|---|--|------|----------|---------------------|--------------|-------------------------------------|--------------|---|--------------|--|--------------|
| | | | | UNIT PRICE | TOTAL PRICE | UNIT PRICE | TOTAL PRICE | UNIT PRICE | TOTAL PRICE | UNIT PRICE | TOTAL PRICE |
| EARTHWORK | | | | | | | | | | | |
| 2.1 | Clearing and Grubbing | LS | 1 | \$ 5,000.00 | \$ 5,000.00 | \$ 5,500.00 | \$ 5,500.00 | \$ 14,140.00 | \$ 14,140.00 | \$ 5,000.00 | \$ 5,000.00 |
| 2.2 | Topsoil, On-site | CY | 150 | \$ 40.00 | \$ 6,000.00 | \$ 50.00 | \$ 7,500.00 | \$ 30.00 | \$ 4,500.00 | \$ 33.00 | \$ 4,950.00 |
| 2.3 | Excavation, Class 10 | CY | 1125 | \$ 15.00 | \$ 16,875.00 | \$ 20.00 | \$ 22,500.00 | \$ 30.00 | \$ 33,750.00 | \$ 22.00 | \$ 24,750.00 |
| 2.4 | Subgrade Preparation | SY | 341 | \$ 5.00 | \$ 1,705.00 | \$ 10.00 | \$ 3,410.00 | \$ 7.00 | \$ 2,387.00 | \$ 11.00 | \$ 3,751.00 |
| 2.5 | Subbase, Modified, 6 Inches | SY | 341 | \$ 20.00 | \$ 6,820.00 | \$ 20.00 | \$ 6,820.00 | \$ 24.00 | \$ 8,184.00 | \$ 22.00 | \$ 7,502.00 |
| 2.6 | Compaction Testing | LS | 1 | \$ 1,500.00 | \$ 1,500.00 | \$ 3,250.00 | \$ 3,250.00 | \$ 2,800.00 | \$ 2,800.00 | \$ 3,000.00 | \$ 3,000.00 |
| TRENCH AND TRENCHLESS CONSTRUCTION | | | | | | | | | | | |
| 3.1 | Trench Compaction Testing | LS | 1 | \$ 2,000.00 | \$ 2,000.00 | \$ 2,250.00 | \$ 2,250.00 | \$ 2,800.00 | \$ 2,800.00 | \$ 3,000.00 | \$ 3,000.00 |
| SEWERS AND DRAINS | | | | | | | | | | | |
| 4.1 | Sanitary Sewer Gravity Main, Trenched, PVC, 8 In. | LF | 46 | \$ 100.00 | \$ 4,600.00 | \$ 150.00 | \$ 6,900.00 | \$ 265.00 | \$ 12,190.00 | \$ 160.00 | \$ 7,360.00 |
| 4.2 | Removal of Sanitary Sewer, 8 In. | LF | 46 | \$ 30.00 | \$ 1,380.00 | \$ 50.00 | \$ 2,300.00 | \$ 25.00 | \$ 1,150.00 | \$ 45.00 | \$ 2,070.00 |
| 4.3 | Storm Sewer, Trenched, RCP, 15 In. | LF | 134 | \$ 100.00 | \$ 13,400.00 | \$ 95.00 | \$ 12,730.00 | \$ 94.00 | \$ 12,596.00 | \$ 64.00 | \$ 8,576.00 |
| 4.4 | Removal of Storm Sewer, RCP, 15 In. | LF | 141 | \$ 20.00 | \$ 2,820.00 | \$ 30.00 | \$ 4,230.00 | \$ 20.00 | \$ 2,820.00 | \$ 33.00 | \$ 4,653.00 |
| 4.5 | Subdrain, HDPE, 4 In. | LF | 220 | \$ 20.00 | \$ 4,400.00 | \$ 28.00 | \$ 6,160.00 | \$ 16.00 | \$ 3,520.00 | \$ 20.00 | \$ 4,400.00 |
| 4.6 | Subdrain Cleanout, Type A-1, 6 In. | EA | 4 | \$ 500.00 | \$ 2,000.00 | \$ 500.00 | \$ 2,000.00 | \$ 1,250.00 | \$ 5,000.00 | \$ 885.00 | \$ 3,540.00 |
| 4.7 | Subdrain Outlets and Connections | EA | 4 | \$ 300.00 | \$ 1,200.00 | \$ 400.00 | \$ 1,600.00 | \$ 800.00 | \$ 3,200.00 | \$ 190.00 | \$ 760.00 |
| WATER MAIN AND APPURTENANCES | | | | | | | | | | | |
| 5.1 | Water Main, Trenched, C900 PVC, 8 In. | LF | 137 | \$ 80.00 | \$ 10,960.00 | \$ 110.00 | \$ 15,070.00 | \$ 65.00 | \$ 8,905.00 | \$ 72.00 | \$ 9,864.00 |
| 5.2 | Fitting, 8" x 45° Bend | EA | 8 | \$ 750.00 | \$ 6,000.00 | \$ 850.00 | \$ 6,800.00 | \$ 1,100.00 | \$ 8,800.00 | \$ 473.00 | \$ 3,784.00 |
| 5.3 | Fitting, 8" x 6" Reducer | EA | 1 | \$ 750.00 | \$ 750.00 | \$ 850.00 | \$ 850.00 | \$ 850.00 | \$ 850.00 | \$ 1,660.00 | \$ 1,660.00 |
| 5.4 | Water Service Stub | EA | 1 | \$ 1,000.00 | \$ 1,000.00 | \$ 1,750.00 | \$ 1,750.00 | \$ 1,460.00 | \$ 1,460.00 | \$ 1,992.00 | \$ 1,992.00 |
| 5.5 | Water Main, Insulation | LF | 22 | \$ 125.00 | \$ 2,750.00 | \$ 150.00 | \$ 3,300.00 | \$ 150.00 | \$ 3,300.00 | \$ 222.00 | \$ 4,884.00 |
| 5.6 | Water Main, Abandon or Remove, 6 In. | LF | 127 | \$ 20.00 | \$ 2,540.00 | \$ 30.00 | \$ 3,810.00 | \$ 15.00 | \$ 1,905.00 | \$ 44.00 | \$ 5,588.00 |
| 5.7 | Water Main, Connection to Existing | EA | 2 | \$ 1,500.00 | \$ 3,000.00 | \$ 2,750.00 | \$ 5,500.00 | \$ 3,620.00 | \$ 7,240.00 | \$ 1,383.00 | \$ 2,766.00 |
| STRUCTURES FOR SANITARY AND STORM | | | | | | | | | | | |
| 6.1 | Intake, SW-501 | EA | 1 | \$ 3,000.00 | \$ 3,000.00 | \$ 4,750.00 | \$ 4,750.00 | \$ 3,620.00 | \$ 3,620.00 | \$ 4,426.00 | \$ 4,426.00 |
| 6.2 | Intake, SW-503 | EA | 1 | \$ 6,000.00 | \$ 6,000.00 | \$ 8,250.00 | \$ 8,250.00 | \$ 5,960.00 | \$ 5,960.00 | \$ 6,640.00 | \$ 6,640.00 |
| 6.3 | Manhole Adjustment, Major | EA | 1 | \$ 1,500.00 | \$ 1,500.00 | \$ 3,500.00 | \$ 3,500.00 | \$ 3,240.00 | \$ 3,240.00 | \$ 2,766.00 | \$ 2,766.00 |
| 6.4 | Remove Intake | EA | 2 | \$ 500.00 | \$ 1,000.00 | \$ 750.00 | \$ 1,500.00 | \$ 750.00 | \$ 1,500.00 | \$ 1,328.00 | \$ 2,656.00 |
| STREETS AND RELATED WORK | | | | | | | | | | | |
| 7.1 | Pavement, PCC, 7 In. | SY | 293 | \$ 70.00 | \$ 20,510.00 | \$ 85.00 | \$ 24,905.00 | \$ 98.00 | \$ 28,714.00 | \$ 100.00 | \$ 29,300.00 |
| 7.2 | Special Subgrade Compaction for Shared Use Path | SY | 307 | \$ 5.00 | \$ 1,535.00 | \$ 5.00 | \$ 1,535.00 | \$ 7.00 | \$ 2,149.00 | \$ 22.00 | \$ 6,754.00 |
| 7.3 | PCC Pavement Samples and Testing | LS | 1 | \$ 2,000.00 | \$ 2,000.00 | \$ 2,500.00 | \$ 2,500.00 | \$ 3,500.00 | \$ 3,500.00 | \$ 1,660.00 | \$ 1,660.00 |
| 7.4 | Shared Use Path, PCC, 6 In. | SY | 221 | \$ 55.00 | \$ 12,155.00 | \$ 65.00 | \$ 14,365.00 | \$ 64.00 | \$ 14,144.00 | \$ 64.00 | \$ 14,144.00 |
| 7.5 | Detectable Warning, Cast Iron | SF | 24 | \$ 50.00 | \$ 1,200.00 | \$ 50.00 | \$ 1,200.00 | \$ 55.00 | \$ 1,320.00 | \$ 55.00 | \$ 1,320.00 |
| 7.6 | Driveway, Paved, PCC, 6 In. | SY | 10 | \$ 100.00 | \$ 1,000.00 | \$ 100.00 | \$ 1,000.00 | \$ 200.00 | \$ 2,000.00 | \$ 210.00 | \$ 2,100.00 |
| 7.7 | Temporary Surfacing, 12 In. | TON | 150 | \$ 40.00 | \$ 6,000.00 | \$ 40.00 | \$ 6,000.00 | \$ 32.00 | \$ 4,800.00 | \$ 50.00 | \$ 7,500.00 |
| 7.8 | Pavement Removal | SY | 305 | \$ 20.00 | \$ 6,100.00 | \$ 18.00 | \$ 5,490.00 | \$ 14.00 | \$ 4,270.00 | \$ 22.00 | \$ 6,710.00 |
| TRAFFIC CONTROL | | | | | | | | | | | |
| 8.1 | Temporary Traffic Control | LS | 1 | \$ 10,000.00 | \$ 10,000.00 | \$ 12,500.00 | \$ 12,500.00 | \$ 9,400.00 | \$ 9,400.00 | \$ 6,970.00 | \$ 6,970.00 |
| 8.2 | Temporary Barrier Rail | LF | 300 | \$ 30.00 | \$ 9,000.00 | \$ 37.50 | \$ 11,250.00 | \$ 32.00 | \$ 9,600.00 | \$ 33.00 | \$ 9,900.00 |
| SITE WORK AND LANDSCAPING | | | | | | | | | | | |
| 9.1 | Filter Sock, 12 Inch. | LF | 410 | \$ 5.00 | \$ 2,050.00 | \$ 5.00 | \$ 2,050.00 | \$ 4.00 | \$ 1,640.00 | \$ 4.00 | \$ 1,640.00 |
| 9.2 | Filter Sock, Removal | LF | 410 | \$ 2.00 | \$ 820.00 | \$ 2.50 | \$ 1,025.00 | \$ 2.00 | \$ 820.00 | \$ 1.00 | \$ 410.00 |
| 9.3 | Rip Rap | TON | 262 | \$ 60.00 | \$ 15,720.00 | \$ 75.00 | \$ 19,650.00 | \$ 95.00 | \$ 24,890.00 | \$ 105.00 | \$ 27,510.00 |
| 9.4 | Erosion Control Mulching, Hydromulching with Temporary S | AC | 0.3 | \$ 5,000.00 | \$ 1,500.00 | \$ 7,500.00 | \$ 2,250.00 | \$ 7,000.00 | \$ 2,100.00 | \$ 5,531.00 | \$ 1,659.30 |
| 9.5 | Hydroseeding, Fertilizer, Hydromulch, Type 1 Seeding | AC | 0.3 | \$ 10,000.00 | \$ 3,000.00 | \$ 12,000.00 | \$ 3,600.00 | \$ 10,000.00 | \$ 3,000.00 | \$ 9,400.00 | \$ 2,820.00 |

TABULATION OF BIDS

Roche Street Culvert Replacement

City of Knoxville

119.0729.01

Bid Date/Time: March 10, 2020 at 2:00 PM

| ITEM | DESCRIPTION | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | 1 TK CONCRETE, INC. PELLA, IA | | 2 EVOLUTION CONTRACTING INDIANOLA, IA | | 3 IOWA BRIDGE & CULVERT, LC WASHINGTON, IA | |
|----------------------|--|------|----------|---------------------|---------------|-------------------------------------|---------------|---|---------------|--|---------------|
| | | | | UNIT PRICE | TOTAL PRICE | UNIT PRICE | TOTAL PRICE | UNIT PRICE | TOTAL PRICE | UNIT PRICE | TOTAL PRICE |
| | MISCELLANEOUS | | | | | | | | | | |
| 11.1 | Construction Survey | LS | 1 | \$ 7,000.00 | \$ 7,000.00 | \$ 12,000.00 | \$ 12,000.00 | \$ 11,340.00 | \$ 11,340.00 | \$ 9,000.00 | \$ 9,000.00 |
| 11.2 | Mobilization | LS | 1 | \$ 40,000.00 | \$ 40,000.00 | \$ 40,000.00 | \$ 40,000.00 | \$ 40,000.00 | \$ 40,000.00 | \$ 65,000.00 | \$ 65,000.00 |
| 11.3 | Maintenance of Postal Service | LS | 1 | \$ 1,000.00 | \$ 1,000.00 | \$ 1,500.00 | \$ 1,500.00 | \$ 2,200.00 | \$ 2,200.00 | \$ 1,100.00 | \$ 1,100.00 |
| 11.4 | Maintenance of Solid Waste Collection | LS | 1 | \$ 1,000.00 | \$ 1,000.00 | \$ 1,500.00 | \$ 1,500.00 | \$ 2,200.00 | \$ 2,200.00 | \$ 1,100.00 | \$ 1,100.00 |
| 11.5 | Concrete Washout | LS | 1 | \$ 2,500.00 | \$ 2,500.00 | \$ 2,000.00 | \$ 2,000.00 | \$ 3,120.00 | \$ 3,120.00 | \$ 3,875.00 | \$ 3,875.00 |
| | BOX CULVERT | | | | | | | | | | |
| 99.1 | Special Backfill | CY | 39 | \$ 35.00 | \$ 1,365.00 | \$ 65.00 | \$ 2,535.00 | \$ 68.00 | \$ 2,652.00 | \$ 87.00 | \$ 3,393.00 |
| 99.2 | Granular Material for Blanket and Subdrain | CY | 72 | \$ 50.00 | \$ 3,600.00 | \$ 65.00 | \$ 4,680.00 | \$ 64.00 | \$ 4,608.00 | \$ 31.00 | \$ 2,232.00 |
| 99.3 | Removal of Existing Structures | LS | 1 | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 10,000.00 | \$ 46,520.00 | \$ 46,520.00 | \$ 10,000.00 | \$ 10,000.00 |
| 99.4 | Excavation, Class 20 | CY | 902 | \$ 28.00 | \$ 25,256.00 | \$ 25.00 (1) | \$ 22,550.00 | \$ 22.00 | \$ 19,844.00 | \$ 65.00 | \$ 58,630.00 |
| 99.5 | Precast Concrete Box Culvert, Twin 8'x6' | LF | 74 | \$ 1,800.00 | \$ 133,200.00 | \$ 1,250.00 | \$ 92,500.00 | \$ 1,485.00 | \$ 109,890.00 | \$ 1,650.00 | \$ 122,100.00 |
| 99.6 | Precast Concrete Box Culvert End Section, Twin 8'x6' | EA | 2 | \$ 24,000.00 | \$ 48,000.00 | \$ 22,500.00 | \$ 45,000.00 | \$ 14,788.00 | \$ 29,576.00 | \$ 30,000.00 (2) | \$ 60,000.00 |
| 99.7 | Temporary Shoring | LS | 1 | \$ 30,000.00 | \$ 30,000.00 | \$ 35,000.00 | \$ 35,000.00 | \$ 24,630.00 | \$ 24,630.00 | \$ 100,000.00 | \$ 100,000.00 |
| 99.8 | Fence, Chain-Link, Vinyl Coated | LF | 75 | \$ 115.00 | \$ 8,625.00 | \$ 120.00 | \$ 9,000.00 | \$ 195.00 | \$ 14,625.00 | \$ 113.00 | \$ 8,475.00 |
| TOTAL BID: | | | | | \$ 512,336.00 | | \$ 529,815.00 | | \$ 579,369.00 | | \$ 695,640.30 |
| BID SECURITY: | | | | | | | 10% | | 10% | | 10% |

Notes

- 1 Incorrect sum on contractor proposal form.
- 2 Incorrect sum on contractor proposal form.