



February 13, 2024

Mr. Arturo Garcia, Jr., P.E., CPM  
Utilities Director, City of Laredo  
6516 Daugherty Ave.  
Laredo, TX 78041

Reference: 36-inch Water Transmission Main from Jefferson WTP to Lyon Street Booster Pump  
Station, East of Zacate Creek  
**Evaluation of Bids and Construction Contract Award Recommendation**

Mr. Garcia:

We have evaluated the bids received on January 18, 2024, for the referenced project. Attached is a copy of the tabulation of bids received for the project along with a comparison between the engineer's estimate and the low bid.

Three bids were received ranging from \$9,731,995.00 (for Alternate A) to \$13,128,693.66 (for Alternate B). The following table summarizes the Bids received:

| <b>BIDDER</b>                      | <b>Apparent Bid<br/>Ranking, based<br/>on Alt A</b> | <b>Bid Price<br/>Alt A</b> | <b>BID PRICE<br/>Alt B</b> |
|------------------------------------|-----------------------------------------------------|----------------------------|----------------------------|
| Southern Trenchless Solutions, LLC | 1                                                   | \$9,731,995.00             | \$13,106,620.00            |
| Mor-Wil, LLC                       | 2                                                   | \$10,041,876.63            | \$13,128,693.66            |
| Spiess Construction Co. Inc.       | 3                                                   | \$10,681,420.00            | \$12,458,850.00            |

The apparent low bid for Alternate A submitted by Southern Trenchless Solutions, LLC is approximately 10% higher than the engineer's adjusted estimate of \$8,800,000.00 (adjusted to reflect addenda).

The apparent low bid for Alternate B submitted by Spiess Construction Co. Inc. is approximately 20% higher than the engineer's adjusted estimate of \$10,200,899.40 (adjusted to reflect addenda).

Each of the three bids contain inconsistencies or other concerns, including:

1. Southern Trenchless Solutions, LLC
  - a. Concerns with Bid Prices:
    - a. Has an apparent inflated cost for trench safety systems of \$1,032,000.00, approximately \$1,010,789.50 greater than the average of the remaining bids.
    - b. Has an apparent inflated cost for air valve assemblies, \$931,500.00 approximately \$533,010.47 greater than the average of the remaining bids.
    - c. Has a low projected cost for cathodic protection of \$50,000.00, approximately \$98,000.00 cheaper than the average of the remaining bids.

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2. Spiess Construction Co. Inc.

- a. Did not provide construction schedule as requested on Page 4 of the Bid Proposal.
- b. Concerns with Bid Prices:
  - i. Has an apparent inflated cost for Alternate A 36-inch C900 PVC pipe with ductile iron fittings of \$7,041,800.00, approximately \$1,928,193.90 greater than the average of the remaining bids.
  - ii. Has a high mobilization fee.

3. Mor-Will, LLC

- a. Did not include evidence of any relevant experience with large diameter pressure pipe.
- b. Did not provide a construction schedule as requested on Page 4 of the Bid Proposal.
- c. Concerns with Bid Prices:
  - i. Has an apparent inflated cost for asphalt concrete pavement \$359,160.00, approximately \$250,920.00 greater than the average of the remaining bids.
  - ii. Has a low projected cost for 30-inch C900 PVC pipe with ductile iron fittings of \$24,088.42, approximately \$115,036.58 less than the average of the remaining bids.

If you have any questions or need additional information, please contact me at (713) 821-0428.

Sincerely,



Gregory J. Henry, P.E.  
Project Manager

cc: Michael Rodgers (City of Laredo – Assistant Director of Utilities)  
Travis Mitchell, PE (LAN)

Attachment: Tabulation of Bids

City of Laredo  
Water Transmission Main - East of Zacate Creek  
Tabulation of Bids  
Received: 1/18/2024

| # OF BIDS: 3<br>Engineer: LAN   |       |                                                                        |              |      | BID NUMBER 1<br>Southern Trenchless Solutions LLC<br>P O Box 8084<br>Weslaco, Tx 78599 |                  | BID NUMBER 2<br>Spiess Construction Co. Inc<br>P O Box 2849<br>Santa Maria, CA 93457 |                  | BID NUMBER 3<br>Mor-Wil, LLC<br>808 S. Shary Rd. Ste. 5, PMB 274<br>Mission, TX 78572 |                  | AVERAGE OF<br>ALL BIDS |                  | ENGINEER'S<br>OPINION OF PROBABLE<br>CONSTRUCTION COST |                  |
|---------------------------------|-------|------------------------------------------------------------------------|--------------|------|----------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|------------------|------------------------|------------------|--------------------------------------------------------|------------------|
| ITEM NO.                        | SPEC. | DESCRIPTION                                                            | QUANTIT<br>Y | UNIT | Unit Price                                                                             | Total            | Unit Price                                                                           | Total            | Unit Price                                                                            | Total            | Unit Price             | Total            | Unit Price                                             | Total            |
| BASE BID                        |       |                                                                        |              |      |                                                                                        |                  |                                                                                      |                  |                                                                                       |                  |                        |                  |                                                        |                  |
| 1                               | 104   | 8-INCH FULLY RESTRAINED C900 PVC WATER PIPE W/ DUCTILE IRON FITTINGS   | 321          | LF   | \$ 148.00                                                                              | \$ 47,508.00     | \$ 200.00                                                                            | \$ 64,200.00     | \$ 109.02                                                                             | \$ 34,995.42     | \$ 152.34              | \$ 48,901.14     | \$ 224.25                                              | \$ 71,984.25     |
| 2                               | 110   | 8-INCH GATE VALVE                                                      | 1            | EA   | \$ 2,800.00                                                                            | \$ 2,800.00      | \$ 2,300.00                                                                          | \$ 2,300.00      | \$ 4,539.59                                                                           | \$ 4,539.59      | \$ 3,213.20            | \$ 3,213.20      | \$ 7,475.00                                            | \$ 7,475.00      |
| 3                               | 112   | FIRE HYDRANT ASSEMBLY                                                  | 1            | EA   | \$ 10,550.00                                                                           | \$ 10,550.00     | \$ 11,000.00                                                                         | \$ 11,000.00     | \$ 11,528.16                                                                          | \$ 11,528.16     | \$ 11,026.05           | \$ 11,026.05     | \$ 7,475.00                                            | \$ 7,475.00      |
| 4                               | 140   | REMOVAL OF EXISTING 6-INCH WATER LINE                                  | 340          | LF   | \$ 18.00                                                                               | \$ 6,120.00      | \$ 35.00                                                                             | \$ 11,900.00     | \$ 36.50                                                                              | \$ 12,410.00     | \$ 29.83               | \$ 10,143.33     | \$ 74.75                                               | \$ 25,415.00     |
| 5                               | 140   | CUT, PLUG, AND ABANDON EXISTING 6-INCH WATER LINE                      | 3            | EA   | \$ 5,350.00                                                                            | \$ 16,050.00     | \$ 300.00                                                                            | \$ 900.00        | \$ 1,425.95                                                                           | \$ 4,277.85      | \$ 2,358.65            | \$ 7,075.95      | \$ 373.75                                              | \$ 1,121.25      |
| 6                               | 142   | ACCESS MANWAYS                                                         | 9            | EA   | \$ 104,388.00                                                                          | \$ 939,492.00    | \$ 37,000.00                                                                         | \$ 333,000.00    | \$ 57,340.06                                                                          | \$ 516,060.54    | \$ 66,242.69           | \$ 596,184.18    | \$ 26,910.00                                           | \$ 242,190.00    |
| 7                               | 144   | 3-INCH COMBINATION AIR VALVE ASSEMBLY                                  | 1            | EA   | \$ 101,500.00                                                                          | \$ 101,500.00    | \$ 39,000.00                                                                         | \$ 39,000.00     | \$ 71,412.07                                                                          | \$ 71,412.07     | \$ 70,637.36           | \$ 41,860.00     | \$ 41,860.00                                           | \$ 41,860.00     |
| 8                               | 144   | 3-INCH VACUUM BREAKER W/ 3" AIR RELEASE VALVE ASSEMBLY                 | 9            | EA   | \$ 103,500.00                                                                          | \$ 931,500.00    | \$ 34,000.00                                                                         | \$ 306,000.00    | \$ 54,553.23                                                                          | \$ 490,979.07    | \$ 64,017.74           | \$ 576,159.69    | \$ 47,840.00                                           | \$ 430,560.00    |
| 9                               | 148   | WATER SERVICE CONNECTIONS                                              | 16           | EA   | \$ 2,600.00                                                                            | \$ 41,600.00     | \$ 2,800.00                                                                          | \$ 44,800.00     | \$ 3,664.02                                                                           | \$ 58,624.32     | \$ 3,021.34            | \$ 48,341.44     | \$ 1,495.00                                            | \$ 23,920.00     |
| 10                              | 152   | PRESSURE TAPS, 36-INCH X 30-INCH                                       | 1            | EA   | \$ 95,500.00                                                                           | \$ 95,500.00     | \$ 148,000.00                                                                        | \$ 148,000.00    | \$ 275,150.68                                                                         | \$ 275,150.68    | \$ 172,883.56          | \$ 172,883.56    | \$ 164,450.00                                          | \$ 164,450.00    |
| 11                              | 202   | 8-INCH MIN. 150 PSI PRESSURE RATED PVC WASTEWATER PIPE                 | 325          | LF   | \$ 165.00                                                                              | \$ 53,625.00     | \$ 220.00                                                                            | \$ 71,500.00     | \$ 70.05                                                                              | \$ 22,766.25     | \$ 151.68              | \$ 49,297.08     | \$ 224.25                                              | \$ 72,881.25     |
| 12                              | 202   | 18-INCH MIN. 150 PSI PRESSURE RATED PVC WASTEWATER PIPE                | 35           | LF   | \$ 600.00                                                                              | \$ 21,000.00     | \$ 1,100.00                                                                          | \$ 38,500.00     | \$ 151.89                                                                             | \$ 5,316.15      | \$ 617.30              | \$ 21,605.38     | \$ 328.90                                              | \$ 11,511.50     |
| 13                              | 206   | 6-INCH WASTEWATER SERVICE CONNECTION                                   | 15           | EA   | \$ 3,125.00                                                                            | \$ 46,875.00     | \$ 3,000.00                                                                          | \$ 45,000.00     | \$ 4,405.58                                                                           | \$ 66,083.70     | \$ 3,510.19            | \$ 52,652.90     | \$ 747.50                                              | \$ 11,212.50     |
| 14                              | 210   | 4-FOOT FIBERGLASS WASTEWATER MANHOLES                                  | 2            | EA   | \$ 9,800.00                                                                            | \$ 19,600.00     | \$ 20,000.00                                                                         | \$ 40,000.00     | \$ 37,952.01                                                                          | \$ 75,904.02     | \$ 22,584.00           | \$ 45,168.01     | \$ 10,465.00                                           | \$ 20,930.00     |
| 15                              | 210   | 5-FOOT FIBERGLASS WASTEWATER MANHOLES                                  | 1            | EA   | \$ 11,000.00                                                                           | \$ 11,000.00     | \$ 25,000.00                                                                         | \$ 25,000.00     | \$ 24,574.09                                                                          | \$ 24,574.09     | \$ 20,191.36           | \$ 20,191.36     | \$ 13,455.00                                           | \$ 13,455.00     |
| 16                              | 214   | SANITARY SEWER CLEANOUTS                                               | 15           | EA   | \$ 2,025.00                                                                            | \$ 30,375.00     | \$ 1,200.00                                                                          | \$ 18,000.00     | \$ 2,606.94                                                                           | \$ 39,104.10     | \$ 1,943.98            | \$ 29,159.70     | \$ 373.75                                              | \$ 5,606.25      |
| 17                              | 234   | WASTEWATER DIVERSION PUMPING                                           | 1            | LS   | \$ 46,000.00                                                                           | \$ 46,000.00     | \$ 25,000.00                                                                         | \$ 25,000.00     | \$ 58,400.00                                                                          | \$ 58,400.00     | \$ 43,133.33           | \$ 14,950.00     | \$ 14,950.00                                           | \$ 14,950.00     |
| 18                              | 236   | REMOVAL OF EXISTING 8-INCH WASTEWATER LINE                             | 325          | LF   | \$ 50.00                                                                               | \$ 16,250.00     | \$ 200.00                                                                            | \$ 65,000.00     | \$ 22.46                                                                              | \$ 7,299.50      | \$ 90.82               | \$ 29,516.50     | \$ 74.75                                               | \$ 24,293.75     |
| 19                              | 236   | REMOVAL OF EXISTING 48-INCH WASTEWATER MANHOLE                         | 1            | EA   | \$ 4,500.00                                                                            | \$ 4,500.00      | \$ 11,000.00                                                                         | \$ 11,000.00     | \$ 2,190.00                                                                           | \$ 2,190.00      | \$ 5,896.67            | \$ 5,896.67      | \$ 747.50                                              | \$ 747.50        |
| 20                              | 404   | MOBILIZATION (GENERAL CONSTRUCTION AND PREPARATION OF SITE)            | 1            | LS   | \$ 200,000.00                                                                          | \$ 200,000.00    | \$ 500,000.00                                                                        | \$ 500,000.00    | \$ 73,000.00                                                                          | \$ 73,000.00     | \$ 257,666.67          | \$ 257,666.67    | \$ 0.06                                                | \$ 250,000.00    |
| 21                              | 432   | MAILBOX ASSEMBLIES                                                     | 10           | EA   | \$ 3,000.00                                                                            | \$ 30,000.00     | \$ 200.00                                                                            | \$ 2,000.00      | \$ 730.00                                                                             | \$ 7,300.00      | \$ 1,310.00            | \$ 13,100.00     | \$ 373.75                                              | \$ 3,737.50      |
| 22                              | SP506 | CONCRETE CURB AND GUTTER                                               | 3,230        | LF   | \$ 23.50                                                                               | \$ 75,905.00     | \$ 70.00                                                                             | \$ 226,100.00    | \$ 24.86                                                                              | \$ 80,297.80     | \$ 39.45               | \$ 127,434.27    | \$ 59.80                                               | \$ 193,154.00    |
| 23                              | 510   | FLEXIBLE BASE COURSE (7-INCH THICKNESS)                                | 3,280        | SY   | \$ 24.00                                                                               | \$ 78,720.00     | \$ 45.00                                                                             | \$ 147,600.00    | \$ 20.03                                                                              | \$ 65,698.40     | \$ 29.68               | \$ 97,339.47     | \$ 112.13                                              | \$ 367,770.00    |
| 24                              | 520   | HOT MIX ASPHALTIC CONCRETE PAVEMENT, 2 INCHES, TYPE D                  | 17,100       | SY   | \$ 27.00                                                                               | \$ 461,700.00    | \$ 25.00                                                                             | \$ 427,500.00    | \$ 36.50                                                                              | \$ 624,150.00    | \$ 29.90               | \$ 504,450.00    | \$ 511.2900                                            | \$ 511,290.00    |
| 25                              | 540   | CONCRETE VALLEY GUTTER (2-FOOT WIDTH)                                  | 105          | LF   | \$ 72.00                                                                               | \$ 7,560.00      | \$ 40.00                                                                             | \$ 4,200.00      | \$ 69.52                                                                              | \$ 7,299.60      | \$ 60.51               | \$ 6,353.20      | \$ 44.85                                               | \$ 4,709.25      |
| 26                              | 542   | COLD MIX ASPHALTIC CONCRETE PAVEMENT, PLAN QUANTITY                    | 3,280        | SY   | \$ 31.00                                                                               | \$ 101,680.00    | \$ 35.00                                                                             | \$ 114,800.00    | \$ 109.50                                                                             | \$ 359,160.00    | \$ 58.50               | \$ 191,880.00    | \$ 14.95                                               | \$ 49,036.00     |
| 27                              | 544   | 2-INCH SURFACE MILLING                                                 | 17,100       | SY   | \$ 4.75                                                                                | \$ 81,225.00     | \$ 3.00                                                                              | \$ 51,300.00     | \$ 8.54                                                                               | \$ 146,034.00    | \$ 5.43                | \$ 92,853.00     | \$ 7.48                                                | \$ 127,822.50    |
| 28                              | 602   | SILT FENCE                                                             | 260          | LF   | \$ 10.00                                                                               | \$ 2,600.00      | \$ 7.00                                                                              | \$ 1,820.00      | \$ 4.21                                                                               | \$ 1,094.60      | \$ 7.07                | \$ 1,838.20      | \$ 7.48                                                | \$ 1,943.50      |
| 29                              | 630   | CURB INLET PROTECTION                                                  | 4            | EA   | \$ 250.00                                                                              | \$ 1,000.00      | \$ 300.00                                                                            | \$ 1,200.00      | \$ 547.50                                                                             | \$ 2,190.00      | \$ 365.83              | \$ 1,463.33      | \$ 747.50                                              | \$ 2,990.00      |
| 30                              | 632   | STABILIZED CONSTRUCTION ENTRANCE                                       | 1            | EA   | \$ 5,800.00                                                                            | \$ 5,800.00      | \$ 9,000.00                                                                          | \$ 9,000.00      | \$ 7,300.00                                                                           | \$ 7,300.00      | \$ 7,366.67            | \$ 7,366.67      | \$ 2,242.50                                            | \$ 2,242.50      |
| 31                              | 706   | TYPE I REFLECTORIZED PAVEMENT MARKINGS, 4 INCH, SOLID, YELLOW IN COLOR | 560          | LF   | \$ 6.00                                                                                | \$ 3,360.00      | \$ 10.00                                                                             | \$ 5,600.00      | \$ 80.30                                                                              | \$ 44,968.00     | \$ 32.10               | \$ 17,976.00     | \$ 4.49                                                | \$ 2,511.60      |
| 32                              | 706   | TYPE I REFLECTORIZED PAVEMENT MARKINGS, 4 INCH, SOLID, WHITE IN COLOR  | 280          | LF   | \$ 6.00                                                                                | \$ 1,680.00      | \$ 10.00                                                                             | \$ 2,800.00      | \$ 80.30                                                                              | \$ 22,484.00     | \$ 32.10               | \$ 8,988.00      | \$ 4.49                                                | \$ 1,255.80      |
| 33                              | 706   | BLUE REFLECTORS FOR FIRE HYDRANTS                                      | 7            | EA   | \$ 35.00                                                                               | \$ 245.00        | \$ 200.00                                                                            | \$ 1,400.00      | \$ 312.86                                                                             | \$ 2,190.02      | \$ 182.62              | \$ 1,278.34      | \$ 29.90                                               | \$ 209.30        |
| 34                              | 710   | REMOVAL AND RELOCATION OF PERMANENT SIGNS                              | 5            | EA   | \$ 2,000.00                                                                            | \$ 10,000.00     | \$ 500.00                                                                            | \$ 2,500.00      | \$ 1,022.00                                                                           | \$ 5,110.00      | \$ 1,174.00            | \$ 5,870.00      | \$ 373.75                                              | \$ 1,868.75      |
| 35                              | 712   | TRAFFIC CONTROL AND REGULATION                                         | 1            | LS   | \$ 245,000.00                                                                          | \$ 245,000.00    | \$ 120,000.00                                                                        | \$ 120,000.00    | \$ 73,000.00                                                                          | \$ 73,000.00     | \$ 146,000.00          | \$ 146,000.00    | \$ 186,875.00                                          | \$ 186,875.00    |
| 36                              | 802   | TRENCH SAFETY SYSTEMS (ALL DEPTHS)                                     | 5,900        | LF   | \$ 175.00                                                                              | \$ 1,032,500.00  | \$ 1.00                                                                              | \$ 5,900.00      | \$ 6.19                                                                               | \$ 36,521.00     | \$ 60.73               | \$ 358,307.00    | \$ 4.49                                                | \$ 26,461.50     |
| 37                              | 822   | CHAIN LINK FENCE                                                       | 440          | LF   | \$ 80.00                                                                               | \$ 35,200.00     | \$ 45.00                                                                             | \$ 19,800.00     | \$ 26.55                                                                              | \$ 11,682.00     | \$ 50.52               | \$ 22,227.33     | \$ 22.43                                               | \$ 9,867.00      |
| 38                              | C-13  | ALLOWANCE #1: WATER RELOCATIONS ALLOWANCE                              | 1            | LS   | \$ 50,000.00                                                                           | \$ 50,000.00     | \$ 50,000.00                                                                         | \$ 50,000.00     | \$ 50,000.00                                                                          | \$ 50,000.00     | \$ 50,000.00           | \$ 50,000.00     | \$ 74,750.00                                           | \$ 74,750.00     |
| 39                              | C-13  | ALLOWANCE #2: SANITARY SEWER RELOCATIONS ALLOWANCE                     | 1            | LS   | \$ 50,000.00                                                                           | \$ 50,000.00     | \$ 50,000.00                                                                         | \$ 50,000.00     | \$ 50,000.00                                                                          | \$ 50,000.00     | \$ 50,000.00           | \$ 50,000.00     | \$ 74,750.00                                           | \$ 74,750.00     |
| BASE BID SUBTOTAL               |       |                                                                        |              |      | Base Subtotal                                                                          | \$ 4,916,020.00  | Base Subtotal                                                                        | \$ 3,043,620.00  | Base Subtotal                                                                         | \$ 3,451,094.93  | Base Subtotal          | \$ 3,803,578.31  | Base Subtotal                                          | \$ 3,085,282.45  |
| ALTERNATE A - 36-INCH PIPE      |       |                                                                        |              |      |                                                                                        |                  |                                                                                      |                  |                                                                                       |                  |                        |                  |                                                        |                  |
| A-1                             | SP104 | 30-INCH WATER LINE C900 DR27.5 PVC PIPE W/ DUCTILE IRON FITTINGS       | 70           | LF   | \$ 2,175.00                                                                            | \$ 152,250.00    | \$ 1,800.00                                                                          | \$ 126,000.00    | \$ 344.12                                                                             | \$ 24,088.40     | \$ 1,439.71            | \$ 100,779.47    | \$ 837.20                                              | \$ 58,604.00     |
| A-2                             | SP104 | 36-INCH WATER LINE C900 DR27.5 PVC PIPE W/ DUCTILE IRON FITTINGS       | 5,140        | LF   | \$ 840.00                                                                              | \$ 4,317,600.00  | \$ 1,370.00                                                                          | \$ 7,041,800.00  | \$ 1,149.73                                                                           | \$ 5,909,612.20  | \$ 1,119.91            | \$ 5,756,337.40  | \$ 926.90                                              | \$ 4,764,266.00  |
| A-3                             | SP108 | 36-INCH BUTTERFLY VALVE W/ SERVICE MANHOLE                             | 5            | EA   | \$ 59,225.00                                                                           | \$ 296,125.00    | \$ 64,000.00                                                                         | \$ 320,000.00    | \$ 102,216.22                                                                         | \$ 511,081.10    | \$ 75,147.07           | \$ 375,735.37    | \$ 171,925.00                                          | \$ 859,625.00    |
| A-4                             | SP151 | CATHODIC PROTECTION FOR WATERLINES                                     | 1            | EA   | \$ 50,000.00                                                                           | \$ 50,000.00     | \$ 150,000.00                                                                        | \$ 150,000.00    | \$ 146,000.00                                                                         | \$ 146,000.00    | \$ 115,333.33          | \$ 171,925.00    | \$ 171,925.00                                          | \$ 171,925.00    |
| ALTERNATE A SUBTOTAL            |       |                                                                        |              |      | Alternate A Subtotal                                                                   | \$ 4,815,975.00  | Alternate A Subtotal                                                                 | \$ 7,637,800.00  | Alternate A Subtotal                                                                  | \$ 6,590,781.70  | Alternate A Subtotal   | \$ 6,348,185.57  | Alternate A Subtotal                                   | \$ 5,682,495.00  |
| ALTERNATE B - 42-INCH PIPE      |       |                                                                        |              |      |                                                                                        |                  |                                                                                      |                  |                                                                                       |                  |                        |                  |                                                        |                  |
| B-1                             | SP104 | 30-INCH WATER LINE C900 DR27.5 PVC PIPE W/ DUCTILE IRON FITTINGS       | 70           | LF   | \$ 2,159.00                                                                            | \$ 151,130.00    | \$ 1,800.00                                                                          | \$ 126,000.00    | \$ 344.12                                                                             | \$ 24,088.40     | \$ 1,434.37            | \$ 100,406.13    | \$ 837.20                                              | \$ 58,604.00     |
| B-2                             | SP104 | 36-INCH WATER LINE C900 DR27.5 PVC PIPE W/ DUCTILE IRON FITTINGS       | 1,733        | LF   | \$ 900.00                                                                              | \$ 1,559,700.00  | \$ 1,370.00                                                                          | \$ 2,374,210.00  | \$ 901.50                                                                             | \$ 1,562,299.50  | \$ 1,057.17            | \$ 1,832,069.83  | \$ 926.90                                              | \$ 1,606,317.70  |
| B-3                             | SP104 | 42-INCH WATER LINE C900 DR27.5 PVC PIPE W/ DUCTILE IRON FITTINGS       | 3,407        | LF   | \$ 1,760.00                                                                            | \$ 5,996,320.00  | \$ 1,860.00                                                                          | \$ 6,337,020.00  | \$ 2,163.04                                                                           | \$ 7,369,477.28  | \$ 1,927.68            | \$ 6,567,605.76  | \$ 1,270.75                                            | \$ 4,329,445.25  |
| B-4                             | SP108 | 36-INCH BUTTERFLY VALVE W/ SERVICE MANHOLE                             | 2            | EA   | \$ 59,225.00                                                                           | \$ 118,450.00    | \$ 64,000.00                                                                         | \$ 128,000.00    | \$ 103,087.42                                                                         | \$ 206,174.84    | \$ 75,437.47           | \$ 150,874.95    | \$ 171,925.00                                          | \$ 343,850.00    |
| B-5                             | SP108 | 42-INCH BUTTERFLY VALVE W/ SERVICE MANHOLE                             | 3            | EA   | \$ 105,000.00                                                                          | \$ 315,000.00    | \$ 100,000.00                                                                        | \$ 300,000.00    | \$ 138,519.57                                                                         | \$ 415,558.71    | \$ 114,506.52          | \$ 343,519.57    | \$ 201,825.00                                          | \$ 605,475.00    |
| b-4                             | SP151 | CATHODIC PROTECTION FOR WATERLINES                                     | 1            | EA   | \$ 50,000.00                                                                           | \$ 50,000.00     | \$ 150,000.00                                                                        | \$ 150,000.00    | \$ 100,000.00                                                                         | \$ 100,000.00    | \$ 100,000.00          | \$ 100,000.00    | \$ 171,925.00                                          | \$ 171,925.00    |
| ALTERNATE B SUBTOTAL            |       |                                                                        |              |      | Alternate B Subtotal                                                                   | \$ 8,190,600.00  | Alternate B Subtotal                                                                 | \$ 9,415,230.00  | Alternate B Subtotal                                                                  | \$ 9,677,598.73  | Alternate B Subtotal   | \$ 9,094,476.24  | Alternate B Subtotal                                   | \$ 7,115,616.95  |
| SUMMARY                         |       |                                                                        |              |      |                                                                                        |                  |                                                                                      |                  |                                                                                       |                  |                        |                  |                                                        |                  |
| BASE BID + ALT A (36-INCH PIPE) |       |                                                                        |              |      | Base + Alternate A                                                                     | \$ 9,731,995.00  | Base + Alternate A                                                                   | \$ 10,681,420.00 | Base + Alternate A                                                                    | \$ 10,041,876.63 | Base + Alternate A     | \$ 10,151,763.88 | Base + Alternate A                                     | \$ 8,767,777.45  |
| BASE BID + ALT B (42-INCH PIPE) |       |                                                                        |              |      | Base + Alternate B                                                                     | \$ 13,106,620.00 | Base + Alternate B                                                                   | \$ 12,458,850.00 | Base + Alternate B                                                                    | \$ 13,128,693.66 | Base + Alternate B     | \$ 12,898,054.55 | Base + Alternate B                                     | \$ 10,200,899.40 |

