

Agenda Item: 8.a.

## Memorandum

**To:** Programs, Projects and Operations Subcommittee  
**From:** Amanda Grint, Water Resources Engineer  
**Date:** February 3, 2014  
**Re:** Review and Recommendation of Bids Received for Zorinsky Water Quality Basin #1 (ZB1) Project

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On January 30, 2014, bids were opened for the construction of the ZB1 project. A copy of the bid tabulation is attached along with the recommendation letter from Olsson Associates.

The ZB1 project is a water quality basin located northwest of Highway 6/31 and Highway 92 in Douglas County (see attached map). The project consists of the construction of a concrete weir, sanitary sewer relocation and excavation of the sediment basin.

Four bids were received and the range of bids was \$2,799,908.73 to \$3,397,683.70. The engineers estimate for the construction of ZB1 and associated improvements is \$2,896,118.00. Hawkins Construction is the low bidder and they have past experience on several District projects including WP-5 and bank stabilization work in Cambridge Oaks. Olsson Associates has reviewed the work history for the contractor and subcontractors and has verified that they are able to construct the project according to specifications. The work is anticipated to begin March 1, 2014 with substantial completion by September 2014.

**Management recommends that the Subcommittee recommend to the Board that the General Manager be authorized to execute a contract with Hawkins Construction Company for the construction of the ZB1 project for the bid amount of \$2,799,908.73, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.**









February 3, 2014

Mrs. Amanda Grint  
Papio-Missouri River NRD  
8901 S. 154<sup>th</sup> Street  
Omaha, NE 68138-3621

Re: Zorinsky Water Quality Basin #1  
OA Project No. 007-0823

Dear Mrs. Grint:

Bids for the Zorinsky Water Quality Basin #1 project were received, and were opened at the P-MRNRD headquarters offices at 2:00 p.m. on January 30, 2014. As indicated on the attached tabulation of bids, the bids ranged from \$2,799,908.73 to \$3,397,683.70. The Engineer's Estimate provided to by Olsson Associates is \$2,896,118.00.

After reviewing and comparing the bids, it is my recommendation that the P-MRNRD consider awarding the construction contract for the amount of \$2,799,908.73 to Hawkins Construction Co.

Please feel free to contact me with any questions you may have.

Sincerely,

A handwritten signature in cursive script that reads 'Paul W. Woodward'.

Paul W. Woodward, P.E., CFM  
Omaha Water Resources Group Leader

Enclosure

CC: Marlin Petermann, P-MRNRD

| CONTRACTOR |                                                 |      |         | Hawkins Construction Co |              |             |              | M.E. Collins Contracting Co., Inc. |              |              |              | Tab Construction |              |              |                | Judds Bros. Construction Co. |           |            |           | Roleff Construction Company |           |  |  |
|------------|-------------------------------------------------|------|---------|-------------------------|--------------|-------------|--------------|------------------------------------|--------------|--------------|--------------|------------------|--------------|--------------|----------------|------------------------------|-----------|------------|-----------|-----------------------------|-----------|--|--|
| Item No.   | BASE BID:                                       | UNIT | QTY.    | Unit Price              | Extension    | Unit Price  | Extension    | Unit Price                         | Extension    | Unit Price   | Extension    | Unit Price       | Extension    | Unit Price   | Extension      | Unit Price                   | Extension | Unit Price | Extension | Unit Price                  | Extension |  |  |
| 1          | Mobilization                                    | LS   | 1       | \$250,000.00            | \$250,000.00 | \$95,000.00 | \$95,000.00  | \$95,000.00                        | \$95,000.00  | \$98,885.00  | \$98,885.00  | \$40,000.00      | \$40,000.00  | \$171,000.00 | \$171,000.00   |                              |           |            |           |                             |           |  |  |
| 2          | Clearing and Grubbing                           | AC   | 42      | \$1,406.70              | \$59,081.40  | \$1,598.00  | \$67,116.00  | \$1,598.00                         | \$67,116.00  | \$3,140.00   | \$131,880.00 | \$740.00         | \$31,080.00  | \$1,120.00   | \$47,040.00    |                              |           |            |           |                             |           |  |  |
| 3          | Construction Testing                            | LS   | 1       | \$11,468.76             | \$11,468.76  | \$14,024.00 | \$14,024.00  | \$14,024.00                        | \$14,024.00  | \$26,000.00  | \$26,000.00  | \$17,500.00      | \$17,500.00  | \$39,853.33  | \$39,853.33    |                              |           |            |           |                             |           |  |  |
| 4          | Earth Fill Basin Embankment Class "A"           | CY   | 8,500   | 6.85                    | \$58,225.00  | 3.50        | \$29,750.00  | 3.50                               | \$29,750.00  | \$3.40       | \$28,900.00  | \$3.40           | \$28,900.00  | \$4.50       | \$38,250.00    |                              |           |            |           |                             |           |  |  |
| 5          | Earth Fill Basin Embankment Class "B"           | CY   | 276,000 | 2.62                    | \$723,120.00 | 5.40        | \$956,000.00 | 5.40                               | \$956,000.00 | \$3.40       | \$938,400.00 | \$2.80           | \$772,800.00 | \$3.94       | \$1,087,440.00 |                              |           |            |           |                             |           |  |  |
| 6          | Excavation (Mitigation Channel)                 | CY   | 4,300   | 5.32                    | \$22,876.00  | 33.00       | \$175,800.00 | 33.00                              | \$175,800.00 | \$5.25       | \$22,575.00  | \$5.00           | \$21,500.00  | \$5.83       | \$25,069.00    |                              |           |            |           |                             |           |  |  |
| 7          | NDOR "478" Fine Drain Fill (Table 1033.02A)     | CY   | 83      | 34.27                   | \$2,844.41   | 0.90        | \$126,225.00 | 0.90                               | \$126,225.00 | \$33.00      | \$2,739.00   | \$80.00          | \$6,600.00   | \$79.33      | \$6,584.39     |                              |           |            |           |                             |           |  |  |
| 8          | Salvage and Spread Topsoil                      | SY   | 140,250 | 0.74                    | \$103,785.00 | 375.00      | \$278,062.50 | 375.00                             | \$278,062.50 | \$0.82       | \$115,005.00 | \$0.50           | \$70,125.00  | \$0.95       | \$133,237.50   |                              |           |            |           |                             |           |  |  |
| 9          | Concrete, Labyrinth Weir                        | LS   | 1       | \$8,328.35              | \$8,328.35   | \$10,565.00 | \$10,565.00  | \$10,565.00                        | \$10,565.00  | \$9,800.00   | \$9,800.00   | \$10,000.00      | \$10,000.00  | \$9,911.87   | \$9,911.87     |                              |           |            |           |                             |           |  |  |
| 10         | Slide Gate (Golden Gates MD-GH-40)              | EA   | 1       | \$8,328.35              | \$8,328.35   | \$10,565.00 | \$10,565.00  | \$10,565.00                        | \$10,565.00  | \$9,800.00   | \$9,800.00   | \$10,000.00      | \$10,000.00  | \$9,911.87   | \$9,911.87     |                              |           |            |           |                             |           |  |  |
| 11         | 18" CMP Storm Sewer Pipe                        | LF   | 84      | \$30.18                 | \$2,535.12   | 32.00       | \$2,688.00   | 32.00                              | \$2,688.00   | \$43.70      | \$3,659.70   | \$50.00          | \$4,200.00   | \$60.51      | \$4,901.31     |                              |           |            |           |                             |           |  |  |
| 12         | 24" CMP Storm Sewer Pipe                        | LF   | 81      | \$33.96                 | \$2,750.76   | 65.00       | \$2,197.50   | 65.00                              | \$2,197.50   | \$68.00      | \$5,508.00   | \$75.00          | \$6,150.00   | \$77.54      | \$6,256.68     |                              |           |            |           |                             |           |  |  |
| 13         | 30" CMP Storm Sewer Pipe                        | LF   | 42      | \$47.46                 | \$1,993.32   | 75.00       | \$3,558.75   | 75.00                              | \$3,558.75   | \$47.60      | \$2,436.00   | \$60.00          | \$2,520.00   | \$74.54      | \$3,256.68     |                              |           |            |           |                             |           |  |  |
| 14         | 36" CMP Storm Sewer Pipe                        | LF   | 525     | \$33.78                 | \$17,735.10  | 220.00      | \$7,431.60   | 220.00                             | \$7,431.60   | \$144.00     | \$75,504.00  | \$230.00         | \$121,620.00 | \$279.51     | \$145,154.53   |                              |           |            |           |                             |           |  |  |
| 15         | 18" Flared End Section                          | EA   | 3       | \$20.72                 | \$62.16      | 20.00       | \$380.00     | 20.00                              | \$380.00     | \$6.00       | \$120.00     | \$2.00           | \$40.00      | \$3.23       | \$12.68        |                              |           |            |           |                             |           |  |  |
| 16         | 24" Flared End Section                          | EA   | 3       | \$20.72                 | \$62.16      | 20.00       | \$380.00     | 20.00                              | \$380.00     | \$6.00       | \$120.00     | \$2.00           | \$40.00      | \$3.23       | \$12.68        |                              |           |            |           |                             |           |  |  |
| 17         | 36" Flared End Section                          | EA   | 3       | \$20.72                 | \$62.16      | 20.00       | \$380.00     | 20.00                              | \$380.00     | \$6.00       | \$120.00     | \$2.00           | \$40.00      | \$3.23       | \$12.68        |                              |           |            |           |                             |           |  |  |
| 18         | Timber Pile Support Structure                   | EA   | 1       | \$493.76                | \$493.76     | 688.00      | \$340,448.00 | 688.00                             | \$340,448.00 | \$442.00     | \$303,776.00 | \$337.00         | \$269,084.00 | \$337.00     | \$269,084.00   |                              |           |            |           |                             |           |  |  |
| 19         | 60" Storm Sewer Area Inlet, Type 2              | EA   | 6       | \$2,602.22              | \$15,613.32  | 5,757.00    | \$34,542.00  | 5,757.00                           | \$34,542.00  | \$915.00     | \$5,551.50   | \$900.00         | \$2,700.00   | \$955.13     | \$8,851.38     |                              |           |            |           |                             |           |  |  |
| 20         | 4" Dia. Slotted PVC Pipe                        | EA   | 8       | \$2,424.84              | \$19,398.72  | 4,729.00    | \$37,832.00  | 4,729.00                           | \$37,832.00  | \$2,625.00   | \$20,606.25  | \$2,700.00       | \$22,050.00  | \$5,562.06   | \$33,372.36    |                              |           |            |           |                             |           |  |  |
| 21         | 4" Dia. Slotted PVC Pipe                        | EA   | 8       | \$2,424.84              | \$19,398.72  | 4,729.00    | \$37,832.00  | 4,729.00                           | \$37,832.00  | \$2,625.00   | \$20,606.25  | \$2,700.00       | \$22,050.00  | \$5,562.06   | \$33,372.36    |                              |           |            |           |                             |           |  |  |
| 22         | 4" Dia. Solid Wall PVC Pipe w/2 Rodent Guards   | LF   | 44      | \$11.23                 | \$494.12     | 20.00       | \$220.00     | 20.00                              | \$220.00     | \$6.00       | \$120.00     | \$2.00           | \$40.00      | \$3.23       | \$12.68        |                              |           |            |           |                             |           |  |  |
| 23         | Rock riprap, NDOR Type C                        | CY   | 1,630   | \$55.22                 | \$90,008.60  | 66.00       | \$3,644.52   | 66.00                              | \$3,644.52   | \$107.580.00 | \$175,456.20 | \$65.00          | \$105,950.00 | \$56.01      | \$91,499.04    |                              |           |            |           |                             |           |  |  |
| 24         | Geotextile Filter Fabric                        | SY   | 3,000   | \$2.85                  | \$8,550.00   | 4.00        | \$11,400.00  | 4.00                               | \$11,400.00  | \$2.60       | \$7,800.00   | \$3.00           | \$9,000.00   | \$3.00       | \$9,000.00     |                              |           |            |           |                             |           |  |  |
| 25         | Safety Railing                                  | LF   | 105     | \$101.66                | \$10,674.30  | 100.00      | \$10,166.00  | 100.00                             | \$10,166.00  | \$91.00      | \$9,555.00   | \$130.00         | \$13,650.00  | \$130.00     | \$13,650.00    |                              |           |            |           |                             |           |  |  |
| 26         | Fencing (Property Boundary Wire Fence)          | LF   | 5,490   | \$3.77                  | \$20,697.30  | 3.40        | \$12,638.00  | 3.40                               | \$12,638.00  | \$3.80       | \$20,892.00  | \$7.50           | \$41,775.00  | \$7.50       | \$41,775.00    |                              |           |            |           |                             |           |  |  |
| 27         | Fencing (8-ft. High Chain Link Fence)           | LF   | 3,325   | \$15.91                 | \$52,900.75  | 14.50       | \$48,212.50  | 14.50                              | \$48,212.50  | \$14.60      | \$48,945.00  | \$16.00          | \$53,200.00  | \$15.70      | \$52,002.50    |                              |           |            |           |                             |           |  |  |
| 28         | Gate (Property Boundary Wire Fence)             | EA   | 4       | \$63.26                 | \$253.04     | 624.00      | \$39,648.00  | 624.00                             | \$39,648.00  | \$607.00     | \$24,428.00  | \$450.00         | \$20,250.00  | \$674.33     | \$2,697.32     |                              |           |            |           |                             |           |  |  |
| 29         | Gate (8-ft. High Chain Link Fence)              | EA   | 4       | \$66.48                 | \$265.92     | 791.00      | \$52,900.75  | 791.00                             | \$52,900.75  | \$3.164.00   | \$24,428.00  | \$770.00         | \$24,428.00  | \$650.00     | \$2,697.32     |                              |           |            |           |                             |           |  |  |
| 30         | Mitigation Trees                                | EA   | 1,577   | \$38.18                 | \$60,209.86  | 36.00       | \$56,772.00  | 36.00                              | \$56,772.00  | \$35.00      | \$55,195.00  | \$55.00          | \$3,080.00   | \$55.00      | \$3,080.00     |                              |           |            |           |                             |           |  |  |
| 31         | 2-Year Tree and Shrub Maintenance               | EA   | 1       | \$15,367.34             | \$15,367.34  | 14,020.00   | \$14,020.00  | 14,020.00                          | \$14,020.00  | \$21.00      | \$11,025.00  | \$21.00          | \$11,025.00  | \$10.186.77  | \$10,186.77    |                              |           |            |           |                             |           |  |  |
| 32         | Mitigation Shrubs                               | EA   | 525     | \$22.55                 | \$11,838.75  | 20.60       | \$10,815.00  | 20.60                              | \$10,815.00  | \$3,000.00   | \$3,000.00   | \$22.00          | \$11,550.00  | \$19.78      | \$10,384.50    |                              |           |            |           |                             |           |  |  |
| 33         | Rock Construction Entrances                     | LS   | 1       | \$3,012.17              | \$3,012.17   | 2,705.00    | \$8,138.75   | 2,705.00                           | \$8,138.75   | \$2.60       | \$9,074.00   | \$2.60           | \$9,074.00   | \$3.033.33   | \$3,033.33     |                              |           |            |           |                             |           |  |  |
| 34         | Silt Fence                                      | LF   | 3,490   | \$2.84                  | \$9,911.60   | 2.60        | \$7,476.00   | 2.60                               | \$7,476.00   | \$2.10       | \$8,431.50   | \$2.36           | \$8,431.50   | \$1.56       | \$6,840.40     |                              |           |            |           |                             |           |  |  |
| 35         | Diversion Dike                                  | LF   | 4,015   | \$2.36                  | \$9,475.40   | 2.20        | \$8,833.00   | 2.20                               | \$8,833.00   | \$1.40       | \$110,950.00 | \$1.40           | \$110,950.00 | \$1.44       | \$114,120.00   |                              |           |            |           |                             |           |  |  |
| 36         | Erosion Control Blanket                         | SY   | 79,250  | \$1.48                  | \$117,280.00 | 93.00       | \$137,640.00 | 93.00                              | \$137,640.00 | \$70.00      | \$20,610.00  | \$65.00          | \$19,125.00  | \$75.63      | \$22,369.85    |                              |           |            |           |                             |           |  |  |
| 37         | Rock Check Dam                                  | CY   | 295     | \$7.26                  | \$2,135.70   | 270.00      | \$1,947.30   | 270.00                             | \$1,947.30   | \$260.00     | \$2,080.00   | \$290.00         | \$2,320.00   | \$186.67     | \$1,493.36     |                              |           |            |           |                             |           |  |  |
| 38         | Inlet Protection                                | EA   | 8       | \$285.53                | \$2,284.24   | 1,014.00    | \$25,552.80  | 1,014.00                           | \$25,552.80  | \$987.00     | \$24,872.40  | \$1,000.00       | \$25,200.00  | \$1,376.47   | \$3,676.04     |                              |           |            |           |                             |           |  |  |
| 39         | Seeding and Mulching O (Type I)                 | AC   | 25.2    | \$1,111.18              | \$28,001.74  | 1,014.00    | \$25,552.80  | 1,014.00                           | \$25,552.80  | \$987.00     | \$24,872.40  | \$1,000.00       | \$25,200.00  | \$1,376.47   | \$3,676.04     |                              |           |            |           |                             |           |  |  |
| 40         | Seeding and Mulching - (Type II)                | AC   | 3.8     | \$1,111.18              | \$4,222.48   | 1,014.00    | \$25,552.80  | 1,014.00                           | \$25,552.80  | \$987.00     | \$24,872.40  | \$1,000.00       | \$25,200.00  | \$1,376.47   | \$3,676.04     |                              |           |            |           |                             |           |  |  |
| 41         | Seeding and Mulching - (Type III)               | AC   | 6.9     | \$1,713.15              | \$11,824.74  | 1,618.00    | \$11,164.20  | 1,618.00                           | \$11,164.20  | \$1,600.00   | \$11,040.00  | \$1,700.00       | \$11,700.00  | \$1,501.50   | \$1,670.35     |                              |           |            |           |                             |           |  |  |
| 42         | Temporary Sediment Basin                        | LS   | 1       | \$8,093.36              | \$8,093.36   | 15,234.00   | \$15,234.00  | 15,234.00                          | \$15,234.00  | \$14,600.00  | \$14,600.00  | \$17,000.00      | \$17,000.00  | \$16,474.50  | \$16,474.50    |                              |           |            |           |                             |           |  |  |
| 43         | Temporary Sediment Trap                         | EA   | 8       | \$6,191.53              | \$49,532.24  | 5,993.00    | \$47,944.00  | 5,993.00                           | \$47,944.00  | \$5,900.00   | \$47,200.00  | \$5,900.00       | \$47,200.00  | \$6,480.83   | \$51,846.64    |                              |           |            |           |                             |           |  |  |
| 44         | Abandon Manhole In Place                        | EA   | 1       | \$2,029.76              | \$2,029.76   | 895.00      | \$895.00     | 895.00                             | \$895.00     | \$480.00     | \$480.00     | \$1,000.00       | \$1,000.00   | \$829.57     | \$829.57       |                              |           |            |           |                             |           |  |  |
| 45         | Abandon Manhole/Siphon Structure-Removal        | EA   | 8       | \$43.42                 | \$347.36     | 927.00      | \$40,476.00  | 927.00                             | \$40,476.00  | \$818.00     | \$6,544.00   | \$3,500.00       | \$12,500.00  | \$658.85     | \$5,290.28     |                              |           |            |           |                             |           |  |  |
| 46         | Abandon 24" Sanitary Sewer Pipe w/Flowable Fill | LF   | 586     | \$3.26                  | \$1,907.96   | 21.00       | \$68.10      | 21.00                              | \$68.10      | \$11.90      | \$69.51      | \$40.00          | \$23,400.00  | \$658.85     | \$5,290.28     |                              |           |            |           |                             |           |  |  |
| 47         | Abandon 12" Sanitary Sewer Pipe w/Flowable Fill | LF   | 90      | \$3.73                  | \$335.70     | 13.00       | \$48.51      | 13.00                              | \$48.51      | \$6.30       |              |                  |              |              |                |                              |           |            |           |                             |           |  |  |