

Staff Report

for the Board of Directors' Meeting of January 11, 2017

TO: Board of Directors
FROM: Gary D. King, Engineering Manager
 Adrian Schneider, Senior Engineer
DATE: January 4, 2017

SUBJECT: Table Meadows District Financed Waterline Extension (DFWLE) &
 Table Meadows Option 3 Pipeline

ENGINEERING

RECOMMENDATION:

Approve a contract with Teichert Construction in the amount of \$1,716,982 for construction of the Table Meadows District Financed Waterline Extension (DFWLE) and the Table Meadows Option 3, and authorize the General Manager to sign the appropriate documents.

BACKGROUND:

The Table Meadows DFWLE was approved for construction late in 2015. The Table Meadows Option 3 project was added as an additional project to address hydraulic issues with the Table Meadows DFWLE. Construction plans were designed for both projects and were put out for bidding to nine contractors on November 8, 2016.

Quotes were received from the following five contractors on December 16, 2016:

| | |
|-----------------------|-------------|
| Teichert Construction | \$1,716,982 |
| T & S Construction | \$1,826,771 |
| McGuire & Hester | \$2,159,901 |
| Lorang Brothers | \$2,463,608 |
| Hansen Brothers | \$2,497,700 |

The breakdown of Teichert Construction's quote is as follows: \$879,983 for the DFWLE project (#1042) and \$836,999 for the Option 3 project (#2059) including their respective alternatives for slurry seal.

It is the recommendation of staff to award Teichert Construction for the pipeline phase of this project.

Final hydraulic modifications will include upgrading the existing Rodeo Flat pump station. This upgrade was bid separately by the District. The upgrade will be included in a separate staff report for board approval at a future Board Meeting. The funds for this work will be from capacity fees.

BUDGET IMPACTS:

The DFWLE project (#1042) is budgeted in the 2017 Community Investment Program as carryover funds. The Option 3 project (#2059) is covered under the \$1,100,000 budget transfer approved at the December 14, 2016 Board Meeting. These two projects will be both built at the same time and will be invoiced and tracked separately.

Attachment: December 16, 2016 – Quote Summary

QUOTE RESULTS SUMMARY
TABLE MEADOWS DFWLE PIPELINE, TABLE MEADOWS OPTION 3 PIPELINE & ALTERNATIVE

16-Dec-16

| | Item | Descriptions | Qty. | Unit | Teichert | | Lorang Brothers | | Hansen Brothers | | McGuire & Hester | | T&S | |
|--|------|---|---------|---------|------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|------------------|-------------|
| | | | | | Cost/Unit | Cost | Cost/Unit | Cost | Cost/Unit | Cost | Cost/Unit | Cost | Cost/Unit | Cost |
| Table Meadows DFWLE - #1042 | 1 | Mob/Demob | 1 | LS | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 |
| | 2 | NPDES General Permit SWPPP | 1 | LS | \$14,091.05 | \$14,091 | \$7,125 | \$7,125 | \$27,636 | \$27,636 | \$15,000 | \$15,000 | \$4,502 | \$4,502 |
| | 3 | Encroachment Permit | 1 | LS | \$7,500 | \$7,500 | \$14,000 | \$14,000 | \$7,374 | \$7,374 | \$5,000 | \$5,000 | \$4,463 | \$4,463 |
| | 4 | Construction Staking/Surveying | 1 | LS | \$8,000 | \$8,000 | \$4,961 | \$4,961 | \$7,940 | \$7,940 | \$6,000 | \$6,000 | \$8,138 | \$8,138 |
| | 5 | Rock Excavation | 250 | CY | \$90 | \$22,500 | \$10 | \$2,500 | \$310.22 | \$77,555 | \$100 | \$25,000 | \$1 | \$250 |
| | 6 | Furnish & Install 8" Ductile Iron Pipe | 3,660 | LF | \$69 | \$252,540 | \$108 | \$395,280 | \$130 | \$475,800 | \$87.75 | \$321,165 | \$83.50 | \$305,610 |
| | 7 | Furnish & Install 10" Ductile Iron Pipe | 1,920 | LF | \$130 | \$249,600 | \$214 | \$410,880 | \$137 | \$263,040 | \$109 | \$209,280 | \$102 | \$195,840 |
| | 8 | Restore Roadway Asphalt | 20,871 | SF | \$4.75 | \$99,137 | \$7.50 | \$156,533 | \$4 | \$83,484 | \$7 | \$146,097 | \$4.50 | \$93,920 |
| | 9 | New Single Meter Assembly | 22 | EA | \$1,950 | \$42,900 | \$3,566 | \$78,452 | \$1,694 | \$37,268 | \$3,000 | \$66,000 | \$2,822 | \$62,084 |
| | 10 | BO Assembly Type A/B | 4 | EA | \$2,400 | \$9,600 | \$4,347 | \$17,388 | \$1,518 | \$6,072 | \$3,500 | \$14,000 | \$3,028 | \$12,112 |
| | 11 | ARV Assembly | 6 | EA | \$4,000 | \$24,000 | \$4,443 | \$26,658 | \$2,403 | \$14,418 | \$4,000 | \$24,000 | \$3,775 | \$22,650 |
| | 12 | End Assembly | 1 | EA | \$3,180 | \$3,180 | \$4,803 | \$4,803 | \$3,458 | \$3,458 | \$2,500 | \$2,500 | \$4,258 | \$4,258 |
| | 13 | Fire Hydrant & Assembly | 6 | EA | \$6,100 | \$36,600 | \$7,670 | \$46,020 | \$5,210 | \$31,260 | \$10,000 | \$60,000 | \$6,240 | \$37,440 |
| | 14 | Check Valve & Access Vault | 1 | EA | \$29,000 | \$29,000 | \$23,341 | \$23,341 | \$29,154 | \$29,154 | \$26,000 | \$26,000 | \$33,489 | \$33,489 |
| | 15 | Full Road width Microsurface-Combie Rd | 58,500 | SF | \$0.55 | \$32,175 | \$0.33 | \$19,305 | \$0.57 | \$33,345 | \$0.45 | \$26,325 | \$0.40 | \$23,400 |
| | | | | | \$835,823 | | \$1,212,246 | | \$1,102,804 | | \$951,367 | | \$813,156 | |
| Table Meadows Option 3 - #2059 | 1 | Mob/Demob | 1 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | |
| | 2 | NPDES General Permit SWPPP | 1 | LS | \$6,500 | \$6,500 | \$7,125 | \$7,125 | \$33,091 | \$33,091 | \$20,000 | \$20,000 | \$4,502 | \$4,502 |
| | 3 | Encroachment Permit | 1 | LS | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$9,868 | \$9,868 | \$500 | \$500 | \$1 | \$1 |
| | 4 | Construction Staking/Surveying | 1 | LS | \$9,050 | \$9,050 | \$7,266 | \$7,266 | \$10,408 | \$10,408 | \$8,000 | \$8,000 | \$11,288 | \$11,288 |
| | 5 | Rock Excavation | 350 | CY | \$90 | \$31,500 | \$10 | \$3,500 | \$310.22 | \$108,577 | \$100 | \$35,000 | \$1 | \$350 |
| | 6 | Furnish & Install 8" Ductile Iron Pipe | 7,800 | LF | \$62 | \$483,600 | \$96 | \$748,800 | \$101 | \$787,800 | \$87.75 | \$684,450 | \$76 | \$592,800 |
| | 7 | Furnish & Install 10" Ductile Iron Pipe | 800 | LF | \$74 | \$59,200 | \$119 | \$95,200 | \$129 | \$103,200 | \$109 | \$87,200 | \$80 | \$64,000 |
| | 8 | Restore Roadway Asphalt | 6,600 | SF | \$5.50 | \$36,300 | \$9 | \$59,400 | \$6.76 | \$44,616 | \$7 | \$46,200 | \$9 | \$59,400 |
| | 9 | New Single Meter Assembly | 36 | EA | \$1,950 | \$70,200 | \$2,765 | \$99,540 | \$1,706 | \$61,416 | \$3,000 | \$108,000 | \$2,768 | \$99,648 |
| | 10 | BO Assembly Type A/B | 4 | EA | \$2,400 | \$9,600 | \$4,347 | \$17,388 | \$2,094 | \$8,376 | \$3,500 | \$14,000 | \$2,996 | \$11,984 |
| | 11 | ARV Assembly | 5 | EA | \$3,850 | \$19,250 | \$4,443 | \$22,215 | \$2,812 | \$14,060 | \$4,000 | \$20,000 | \$3,794 | \$18,970 |
| | 12 | End Assembly | 1 | EA | \$3,180 | \$3,180 | \$4,803 | \$4,803 | \$3,458 | \$3,458 | \$2,500 | \$2,500 | \$4,647 | \$4,647 |
| | 13 | Fire Hydrant & Assembly | 9 | EA | \$6,100 | \$54,900 | \$7,670 | \$69,030 | \$5,188 | \$46,692 | \$10,000 | \$90,000 | \$5,354 | \$48,186 |
| | 14 | Culvert Replacement – 25 ft x 12" diam | 2 | EA | \$1,400 | \$2,800 | \$3,917 | \$7,834 | \$2,701 | \$5,402 | \$500 | \$1,000 | \$2,324 | \$4,648 |
| | 15 | Swale Replace – STA 265+50 to 271+45 | 1 | LS | \$11,565 | \$11,565 | \$23,370 | \$23,370 | \$34,535 | \$34,535 | \$3,000 | \$3,000 | \$7,022 | \$7,022 |
| | 16 | Swale Replace – STA 271+80 to 275+90 | 1 | LS | \$3,500 | \$3,500 | \$15,960 | \$15,960 | \$17,969 | \$17,969 | \$3,000 | \$3,000 | \$2,297 | \$2,297 |
| | 17 | Shallow Trench STA 244+35 - STA 244+75 | 1 | LS | \$1,500 | \$1,500 | \$2,964 | \$2,964 | \$8,173 | \$8,173 | \$3,000 | \$3,000 | \$3,992 | \$3,992 |
| | | | | | \$812,645 | | \$1,194,395 | | \$1,302,641 | | \$1,130,850 | | \$938,735 | |
| Alternative | 1 | Microsurface (Slurry Seal) #1042 | 113,230 | SF | \$0.39 | \$44,160 | \$0.33 | \$37,366 | \$0.50 | \$56,615 | \$0.45 | \$50,954 | \$0.42 | \$47,557 |
| | 2 | Microsurface (Slurry Seal) #2059 | 59,400 | SF | \$0.41 | \$24,354 | \$0.33 | \$19,602 | \$0.60 | \$35,640 | \$0.45 | \$26,730 | \$0.46 | \$27,324 |
| | | | | | \$68,514 | | \$56,968 | | \$92,255 | | \$77,684 | | \$74,881 | |
| TOTAL QUOTE DFWLE & OPTION 3 | | | | | | \$1,648,468 | | \$2,406,641 | | \$2,405,445 | | \$2,082,217 | | \$1,751,891 |
| TOTAL QUOTE DFWLE, OPTION 3, & ALTERNATIVE | | | | | | \$1,716,982 | | \$2,463,608 | | \$2,497,700 | | \$2,159,901 | | \$1,826,771 |

Note: Highlight shows math error on Contractors hand written spreadsheet; does not change total value placings and rank between Contractors (is less then \$500)