

Board of County Commissioners

Agenda Request

Date of Meeting: March 1, 2010

Date Submitted: February 12, 2010

To: Honorable Chairman and Members of the Board

From: Benjamin H. Pingree, County Administrator
Matthew W. Hurd, Eutaw Consultant

Subject: Request Board Approval of Change Order #2 to Dowdy Plumbing for the Reuse Water Transmission Line from the Otter Creek WWTP to Wildwood Golf Course

Statement of Issue:

This agenda item requests Board approval of Change Order #2 to Dowdy Plumbing for the Reuse Water Transmission Line from the Otter Creek WWTP to Wildwood Golf Course (Attachment #1).

Background:

On August 13, 2009 the Board released an Invitation to Bid (ITB) for the reuse water transmission line to Wildwood Golf Course. During the October 6, 2009 Board Meeting, the Board awarded Dowdy Plumbing as the low bidder and approved the Contract to construct a transmission line to carry reclaimed water from the Otter Creek Waste Water Treatment Plant to the Wildwood Golf Course (Attachment #2). The original contract price was \$486,597.89, and a previously approved Change Order #1 in the amount of \$7,072.50 was executed on January 8, 2010 which increased the contract price to \$493,670.39.

During construction, a conflict with existing underground utilities was discovered which made it necessary to change the proposed route of the transmission line. After exploring several options, it was determined that the best solution would be to run the line on the east side of US Highway 98 rather than continuing on the west side. This required boring under US 98 to get to the east side of the road just north of the Sopchoppy Highway intersection, and then boring back to the west side just north of the Crawfordville Highway intersection.

In addition, after further field survey, it was determined that the termination of the Reuse Water Transmission Line at Wildwood Country Club would be more efficient and economical if it discharged into a different pond. The pond nearest the 10th tee box is approximately six feet higher than the pond nearest the road, and the two are already plumbed together. Extending the line to the pond at the 10th tee will eliminate the need for a pump in the lower pond. Moving both to the other side of US 98 and extending the line at the golf course will cause an increase in the quantity of 8" PVC pipe.

It should also be noted that several proposed deductions are also included in this Change Order; such as decreases in quantity of HDPE directional bore and air release valves, and the elimination of lime

rock removal. This project was funded through a \$500,000 grant from the Northwest Florida Water Management District. The changes proposed will increase the contract amount to exceed the \$500,000 grant. However, there was funding in the Waste Water Fund 435 allocated for this project in the FY09/10 CIP Budget for Waste Water.

Analysis:

The proposed additions and deductions to the original contract are summarized as follows:

Additions

Jack & Bore: The original contract called for 105 LF of jack & bore under Crawfordville Highway. Moving the line to the east side of US 98 resulted in eliminating the bore under Crawfordville Highway and replacing it with two bores under US 98. The net increase was 81 LF, for a total of 186 LF. Since an entirely new bore was added, the contractor's proposal includes additional labor, material, and equipment costs. The net change to the contract is an increase of \$15,675.53

8" PVC: There are fewer asphalt drives on the east side of US 98 than on the west side. This decreased the quantity of directional bore required, and increased the quantity of PVC. Also, the extension of the line at the golf course will increase the quantity. The total increase is 1165 LF. Attached is a letter from Dowdy's supplier that states that the price for 8" PVC has increased since the original contract quantity was fulfilled. The new price is \$11.01 per foot installed. This makes the net change to the contract an increase of \$12,826.65

Site Restoration at Wildwood Country Club: Connection to pond at golf course will require cut & patch of both asphalt and concrete, including lime rock base under asphalt driveway. Fence relocation is also required to accommodate the reuse line. This will cause an increase of \$6,435.28.

Deductions

HDPE Directional Bore: As mentioned above, moving to the east side of US 98 required fewer directional bores. A total of 490 LF will be deducted from the contract. The entire contract quantity of 8" HDPE pipe has been delivered, and the restocking fee is almost 100% of the cost. Therefore, the County will receive a deduction for the installation cost and retain the HDPE pipe for future use. The net deduction will be \$9,677.50.

Air Release Valves: Original plans call for 5 ARVs, but 3 will suffice. Dowdy has already ordered concrete housings for all 5. The supplier is in Jacksonville and will pick up the housings, but to cover the expense of the trip they will not refund any money. Dowdy has proposed to turn the 2 extra housings over to Wakulla County to use as replacements in the future. The unit price for an installed ARV is \$1300, of which \$700 is the housing. Therefore, by deleting 2 ARVs from the project, the County will receive a deduction of \$1200 and retain the housings for future use.

Lime Rock Removal: No lime rock was encountered during construction; therefore a deduction of \$2,600.10 will be applied to the contract.

After considering all additions and deductions, the net change to the contract will be an increase of \$21,781.76. The new contract value will be \$515,452.15. The County Attorney has reviewed this agenda item and Change Order #2.

Options:

1. Approve the Change Order #2 to Dowdy Plumbing.
2. Do not approve Change Order #2 to Dowdy Plumbing.
3. Board direction.

Recommendation:

Option #1

Attachment:

1. Change Order #2
2. Dowdy Contract