



City of Woodland

REPORT TO MAYOR AND CITY COUNCIL

AGENDA ITEM

TO: THE HONORABLE MAYOR
AND CITY COUNCIL

DATE: March 18, 2008

SUBJECT: Final Acceptance and Notice of Completion for Wastewater Treatment Plant Stage 2 Expansion, Project No. 00-52, WWTP Tertiary Treatment Improvements, Project No. 03-28, and WWTP Flood Protection, Project No. 03-39.

Report in Brief

In June 2005, the City executed a construction contract with Overaa Construction, to construct the wastewater facility project, which included expansion, tertiary treatment, and flood protection improvements designed by West Yost. The work was performed in accordance with the plans and specifications and is now ready for acceptance by the City Council.

There are certain financial issues remain to be worked out before we can close the books on this project. The City is withholding \$25,000 of the contract amount for disputed work. If the contractor corrects the disputed work items within a reasonable time frame, the funds will be released. Otherwise, the City will deduct the cost of the corrective work from the withheld amount to make the corrections and pay the remaining amount to the contractor.

Staff recommends that the City Council accept as complete, the contract with Overaa Construction, for their work on the Wastewater Treatment Plant Stage 2 Expansion, Project No. 00-52, WWTP Tertiary Treatment Improvements, Project No. 03-28, and WWTP Flood Protection, Project No. 03-39, and authorize the City Clerk to file a Notice of Completion. The final construction contract value (including amounts withheld) is \$27,157,203. The total value of the withheld amount is \$25,000.

Background

The WWTP Expansion, Project No. 00-52 increased the average dry weather flow capacity from 7.8 million gallons per day (mgd) to 10.4 mgd. The WWTP Tertiary Treatment Improvements, Project No. 03-28 included new cloth-disc filters and ultraviolet disinfection. The WWTP Flood Protection, Project No. 03-39 included construction of levees around the WWTP Mechanical Plant site and Overflow Pond to provide flood protection from a 100-year Cache Creek flood event, and build-up the levees around the remaining Ponds to protect against a localized 100-year flood event. West Yost completed the construction documents and the project was advertised in May 2005.

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On June 21, 2005, Council awarded the construction contract to Overaa Construction in the amount of \$24,861,000. Work commenced on July 11, 2005. During the course of construction the City issued 35 Contract Change Orders for a total change order value of \$2,296,203. The final construction contract amount is \$27,157,203.

Discussion

The expansion project increased flow capacity to accommodate future development. Due to the more stringent National Pollution Discharge Elimination System (NPDES) Waste Discharge Permit requirements, the tertiary treatment project was implemented, in order to protect Tule Canal's recreation and agricultural uses. The Permit also required 100-year flood protection for the plant, which necessitated the flood protection project.

The construction elements and contractual requirements have been completed by the contractor and are ready for acceptance. Upon final acceptance, the City Clerk will file a Notice of Completion.

Additional items of work (which are not a part of Overaa's contract) are under design and will be bid this spring. These items are: 1) Polymer Facilities (associated with Filter equipment), 2) Filter Pump electrical disconnect switches and 3) Landscaping at the parking lot and administrative building. The cost of these improvements, including design and inspection, are estimated to be \$300,000. This cost will be funded by Project 03-28, Tertiary Treatment Improvements.

The disputed item of work is related to life expectancy of the ultra-violet (UV) light bulbs in the disinfection unit. The light bulbs have been burning out at a high rate. The specifications require that the UV bulbs have a mean life to failure of 9,000 hours whereas we are seeing significantly less hours to burnout. The City is working with the system manufacturer (Trojan) to identify the cause of the failure. The cost of replacement of all of the UV bulbs is more than the available amount in retention which is \$60,000. Therefore, staff recommends withholding \$60,000 until this issue is resolved to the satisfaction of the City.

Fiscal Impact

Expansion (00-52): The approved PPSS (May 2005) included a project budget of \$19,924,000. The amount authorized for construction was \$16,496,224 and the final cost is \$15,332,708. The Final PPSS or total project cost is \$18,931,700.

Tertiary (03-28): The approved PPSS (May 2005) included a project budget of \$14,438,000. The amount authorized for construction was \$12,249,221 and the final cost is \$10,201,795. This PPSS will remain open for additional essential items of work. The total project cost to date for this project is approximately \$12,800,000.

Flood Protection (03-39): The approved PPSS (May 2005) included a project budget of \$2,433,000. The amount authorized for construction was \$2,102,146 and the final cost is \$1,622,700. The Final PPSS or total project cost is \$1,944,450.

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This project was completed within the approved budget.

Public Contact

Posting of the City Council agenda.

Recommendation for Action

Staff recommends that the City Council accept as complete, the contract with Overaa Construction, for their work on the Wastewater Treatment Plant Stage 2 Expansion, Project No. 00-52, WWTP Tertiary Treatment Improvements, Project No. 03-28, and WWTP Flood Protection, Project No. 03-39, and authorize the City Clerk to file a Notice of Completion. The final construction contract value (including amounts withheld) is \$27,157,203. The total value of the withheld amount is \$25,000.

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Attachment: Final PPSS for 00-52 & 03-39