

ALAMEDA COUNTY WATER DISTRICT MEMORANDUM

DATE: October 2, 2008
TO: Board of Directors
FROM: Paul Piraino
SUBJECT: STAFF REPORT, ACTION CALENDAR ITEMS FOR October 9, 2008

5.1* AUTHORIZATION OF PURCHASE ORDERS FOR DISTRICT VEHICLES

BACKGROUND: The Board of Directors approved funding in the current budget for the purchase of a ten wheel dump truck and a large utility truck.

DISCUSSION: The California Air Resources Board requires that 60% of the District's "Group 2" model year engines/vehicles be either retrofitted or retired by December 2009. Staff conducted an analysis that recommended the replacement (retirement) of several additional vehicles in this group, thus lowering the number to be retrofitted. The District previously conducted a formal bid process for a ten wheel dump truck in March 2008. At that time, requests for quotation were sent to four (4) Freightliner dealers and two dealers responded. The successful bidder was Golden Gate Truck Center of Oakland in an amount of \$131,185.23.

The Distribution Maintenance Division identified the need for a large utility truck (34,000 GVW). The truck was bid in two parts. The cab and chassis requests for quotation were sent to four (4) Freightliner dealers. The low bidder was Golden Gate Truck Center of Oakland in an amount of \$71,655. The truck body requests for quotation were sent to ten (10) body manufacturing companies. The lowest responsive bidder was Lodi Equipment of West Sacramento in an amount of \$73,562.85. Lodi Equipment's references were satisfactory. Bid summaries are attached. The total assembled cost for this truck is therefore \$145,217.85.

There is sufficient funding in the budget for these purchases.

RECOMMENDATION: By motion, 1) authorize a purchase order to Golden Gate Truck Center in an amount of \$131,185.23 for the purchase of a dump truck; 2) authorize a purchase order to Golden Gate Truck Center for the purchase of a cab and chassis in an amount of \$71,655; and 3) authorize a purchase order to Lodi Equipment for the purchase of a utility service body in an amount of \$73,562.85.

5.2* AUTHORIZATION OF AGREEMENT FOR LIMITED-TERM CONTRACT ENVIRONMENTAL ENGINEERING SERVICES

BACKGROUND: Staff environmental engineering services are provided to help ensure continued compliance with California Department of Public Health drinking water regulations. The two Environmental Engineers in the Water Quality Division work closely with the Treatment & Distribution Supervisors and others to prepare the monthly compliance reports, and to provide

essential water treatment process support on a variety of key projects and special assignments. Due to maternity leave, only one engineer will be available in coming months and additional staff resources will be needed in order to meet critical work demands.

DISCUSSION: Environmental engineering work projections for the coming months clearly indicate that there is more work to be done than can be reasonably handled by one individual. After evaluating various alternatives for how the staffing shortfall could be addressed, the recommended approach is to engage the services of a qualified environmental engineer from a consulting firm on a temporary basis. Five firms were contacted and three individuals were interviewed for a limited-term staff environmental engineering position. The position is expected to require 3-5 days of work/week over a 5-month period (October 2008 to March 2009). Malcolm Pirnie, Inc. is the firm that is able to supply the services of an individual that best meets the requirements of the job. The proposed individual has a M.S. degree in Environmental Engineering from Stanford University, is a licensed professional engineer, and has 7 years of experience. This individual's educational background and experience is similar to the staff person she will temporarily replace. The proposed individual has direct experience with South Bay Aqueduct water having previously served in a similar role for the Zone 7 Water Agency when they were shorthanded.

An all-inclusive hourly rate of \$125 has been negotiated with Malcolm Pirnie for the services of the proposed engineer. This rate is comparable to those proposed by the other firms contacted for engineers of like qualifications and experience. It is projected that the budget for this assignment will not exceed \$102,000. The position will be funded from salary savings within the Operations Department. This proposal was reviewed with the Operations/Water Quality Committee on October 1, 2008.

RECOMMENDATION: By motion, 1) authorize a purchase order to Malcolm Pirnie, Inc. for consulting services not to exceed \$102,000, and 2) authorize the General Manager to execute a services agreement, Job 2243.

5.3* **ADOPTION OF RESOLUTION AUTHORIZING EXECUTION OF AN AGREEMENT WITH THE BAY AREA CLEAN WATER AGENCIES FOR THE BUNTING POND FISH SCREEN PROJECT GRANT**

BACKGROUND: Full fish passage restoration within Alameda Creek ultimately requires screening all of the District's diversion facilities in Alameda Creek. The District completed installation of the first set of fish screens above Rubber Dam No. 3 in March 2008.

On August 14, 2008, the Board authorized a purchase order with CH2M Hill for preliminary and final design services for the Bunting Pond Fish Screen. To help fund this project, the District has been pursuing Department of Water Resources (DWR) Proposition 50 grant funds; the Bunting Fish Screen project was one of 15 projects in the Bay Area selected to receive funding from this grant. Grants for all of the Bay Area projects (\$12,500,000) will be administered by the Bay Area Clean Water Agencies (BACWA), a Joint Powers Authority consisting of public agencies within the counties of Marin, San Francisco, Alameda, San Mateo, Napa, Solano, Contra Costa, Santa Clara and Sonoma.

DISCUSSION: The District must enter into an agreement with BACWA to receive its share of the Proposition 50 grant funding for this project. The District's grant allocation for the Bunting Pond Fish Screen Project is \$600,000, which will be applied to the CEQA documentation, design, and construction of the project. Construction is scheduled for the summer of 2009. District staff and legal counsel have reviewed the agreement and determined that the terms are acceptable.

RECOMMENDATION: By motion, adopt a resolution authorizing the General Manager to execute a grant agreement with the Bay Area Clean Water Agencies for the Bunting Pond Fish Screen Project, Job 4312.

5.4* RESOLUTION ADOPTING THE BUNTING POND FISH SCREEN PROJECT INITIAL STUDY AND CEQA CHECKLIST AND MITIGATED NEGATIVE DECLARATION

BACKGROUND: On September 14, 2006, the Board awarded the environmental consulting services contract to Hanson Environmental, Inc. to prepare the Initial Study and CEQA Checklist, and the Mitigated Negative Declaration (IS/MND) documents for the Bunting Pond Fish Screen Project.

DISCUSSION: In accordance with CEQA, a legal notice was published in The Argus, and copies of the Notice of Intent to Adopt a Mitigated Negative Declaration (NOI), along with the IS/MND, were submitted to the County Clerk, State Clearinghouse, and various agencies for review. The NOI and IS/MND were also posted on the District's website. The required 30-day public comment period was from August 25, 2008, through September 23, 2008.

No comments were received and staff has concluded that the project will not have a significant effect on the environment. Mitigation measures in the document include water quality control, erosion control, and site restoration. The IS/MND, which includes the Mitigation and Monitoring Plan, is incorporated as an attachment to the resolution proposed for adoption.

RECOMMENDATION: By motion, adopt a resolution which: 1) adopts the Mitigated Negative Declaration for the Bunting Pond Fish Screen Project and 2) adopts the mitigation measures and monitoring procedures contained in the Mitigation and Monitoring Plan, Job 6323.

5.5* AUTHORIZATION OF CONTRACT CHANGE ORDER NO. 2 FOR THE ALAMEDA RESERVOIR WATER QUALITY ENCHANCEMENT CONSTRUCTION PROJECT

BACKGROUND: On April 8, 2008, the Board awarded the contract for the Alameda Water Quality Enhancement Project to E. E. Gilbert Construction, Inc. in the amount of \$311,779. Change Order No. 1 in the amount of \$9,180 was previously authorized by the Board. The project construction is approximately 95% complete.

DISCUSSION: Change Order No. 2 in the amount of \$8,926 has been prepared to cover the following work requested by the District: 1) extend concrete curbing (\$983); 2) relocation of a backflow preventer (\$508); and 3) install additional asphalt pavement as a result of an electrical conduit relocation (\$3,085) and the repair of pre-existing deteriorated asphalt surfaces (\$4,350).

Staff has reviewed the cost associated with the additional work and has determined that it is fair and reasonable. There is adequate funding in the current budget for this expenditure.

RECOMMENDATION: By motion, approve Change Order No. 2 in the amount of \$8,926 to E.E. Gilbert Construction, Inc. for the Alameda Reservoir Water Quality Enhancement Construction Project, Job 6328.

5.6 RESOLUTION AWARDING CONTRACT FOR DESALINATION SUPPLY PIPELINES

BACKGROUND: To accommodate the Newark Desalination Facility (NDF) Expansion Project, new pipelines are required to convey additional brackish supply water from existing Aquifer Reclamation Program (ARP) wells to the NDF. Phase 1 of the ARP Wells to Desal Pipelines project was completed in 2003 and connected the Cedar and Darvon ARP wells to the NDF. Phase 2 will similarly connect the Bellflower and Farwell ARP wells. The project consists of the installation of approximately 5,900 linear feet of 22-inch and 3,200 linear feet of 16-inch diameter high density polyethylene pipe within the cities of Fremont and Newark. Various construction methods will be required, including: microtunneling under I-880; boring and jacking; horizontal directional drilling; and traditional open cutting. The project was advertised for bids on August 11, 2008.

DISCUSSION: Nine (9) bids were received and opened on September 10, 2008. All bids were checked arithmetically and for compliance with the bidding requirements. The fifth, seventh and ninth low bids contained minor irregularities and the fifth and sixth low bids contained math errors. The totals for comparison ranged from \$3,756,925.75 to \$5,739,863.00. The engineer's estimate for the work was \$5,573,708.

R.J. Gordon Construction, Inc., of Pleasant Hill, California, submitted the lowest bid. This firm has been in the contracting business under its present name for 18 years doing work similar to that required. References were checked and it was confirmed that the contractor has the necessary qualifications and experience to perform the work. R.J. Gordon Construction, Inc. recently completed the Cedar 2 ARP Well Intertie Pipeline for the District.

A summary of bids is attached. There is sufficient funding in the budget for this project.

RECOMMENDATION: By motion, adopt a resolution to award the contract for the ARP Wells to Desal Pipelines, Phase 2 to R.J. Gordon Construction, Inc, in the amount of \$3,756,925.75, which is the total of the unit price and lump sum payment items, Job 6349.

5.7 RESOLUTION AWARDING CONTRACT FOR BELLFLOWER AND FARWELL ARP WELL SITE UPGRADE PROJECT

BACKGROUND: The Bellflower and Farwell Aquifer Reclamation Program wells will be used to supply brackish water to the Newark Desalination Facility (NDF) as part of the NDF Expansion Project. As a result, the two well sites need to be upgraded with pumping, electrical, and SCADA equipment capable of integrating with the overall NDF water supply system. Well site upgrades include the demolition of existing equipment and the installation of new pumping equipment, electrical switchgear assemblies, PLCs, piping, and pump houses. The pumping equipment and

electrical switchgear assemblies have been purchased by the District and will be supplied to the site contractor for installation.

DISCUSSION: Nine bids were received and opened on September 12, 2008. The bids ranged from a low of \$832,865 to a corrected high of \$1,350,602. The engineer's estimate was \$1,100,000. All bids were checked for accuracy and compliance with the bidding requirements. Two bids were non-responsive: one bidder failed to submit a complete proposal and another bidder did not provide the cost for one item on the payment item schedule. A summary of the bids is attached.

JMB Construction, Inc. of South San Francisco, California submitted the lowest bid. This firm has been in the contracting business under its present name for 18 years. References were checked and were found to be satisfactory. There is adequate funding in the project budget for this expenditure.

RECOMMENDATION: By motion, adopt a resolution to award the contract for the Bellflower and Farwell ARP Well Site Upgrade Project to JMB Construction, Inc., in the amount of \$832,865, which is the total of the unit price and lump sum payment items, Job 4311.

Attachments

cc: Executive Staff