

CENTRAL BASIN MUNICIPAL WATER DISTRICT

JANUARY 9, 2006 – Water Resources
Cole, Vasquez

JANUARY 23, 2006 – Board Meeting

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Approved by: Rich Nagel

ACTION CALENDAR

SOUTHEAST WATER RELIABILITY PROJECT DESIGN SERVICES

SUMMARY:

As part of developing and expanding recycled water supplies within the service area, the District is proposing to implement the Southeast Water Reliability Project (SWRP). SWRP will include design and construction of approximately 11.4 miles of large-diameter recycled water transmission pipeline and a booster pump station facility. SWRP will bring recycled water to large irrigation and industrial sites throughout the Cities of Pico Rivera, Montebello, Commerce, Los Angeles, and Vernon, and unincorporated areas of Los Angeles County.

The new SWRP transmission pipeline will extend from the northeast end of the District's recycled water system in the City of Pico Rivera to the recently completed northwest extension in the City of Vernon. SWRP will provide complete hydraulic connectivity at the terminating ends of the District's existing recycled water distribution system, thus, allowing the District to more efficiently and reliably serve its customers.

Background

SWRP was conceptualized back in the early 1990's as a means of expanding regional recycled water use and system capacity, and improving distribution system reliability. Although the benefits of SWRP were well recognized, the project magnitude relative to the available customer base made it difficult to economically justify implementation of the project.

Recently, the City of Vernon requested a dependable supply of recycled water for cooling tower use at two future power generating stations. The power generating stations would significantly increase overall recycled water demands within the District. The introduction of a new large industrial recycled water user within the City of Vernon, coupled with numerous potential customers within the District's service area, has provided the economic justification to implement such a large scale project as SWRP.

A unique aspect of SWRP is an accelerated schedule requested by the City of Vernon to meet the power generating station's anticipated on-line commissioning date of August 27, 2007. Both the City of Vernon and the District are financially committed to SWRP's schedule requirements. This compressed project duration of approximately 21 months requires a creative and multi-faceted approach by the District for successful project implementation.

Professional Services Solicitation

On November 8, 2005, the District released a "Request for Proposals" (RFP) to over two hundred consultants, subconsultants, and suppliers soliciting professional design services for the design of SWRP. The RFP outlined the required "Scope of Work" and minimum qualifications required for potential consulting teams to competitively compete for this project. The "Scope of Services" for this design effort included the development of complete biddable contract documents, field investigation work, cost-estimating, procurement of project permits, easement acquisition assistance, meeting coordination, bid and award support services, and construction support services. In addition, the selected consulting team will be tasked with completing the overall design of the Project within a seven-month timeframe in order to maximize the available construction duration.

The District hosted two pre-proposal workshops on November 1 and 22, 2005, to provide an overview of the solicitation requirements and to receive feedback on the Project's requirements, milestones, and schedule from potential proposing teams. Three addendums were issued during the RFP solicitation process that addressed various project scope and contract clarification issues, schedule requirements, and construction phasing challenges.

Staff closely communicated with all potential prime consulting firms during the solicitation process to assess the interest in the Project and the overall number of potential proposals that would be submitted for the District's consideration. Although many of the prime consultants expressed interest in the Project, the Project magnitude and compressed schedule reduced the number of proposers to a handful.

Consultant Selection Process

Two proposals were received on December 22, 2005, from HDR, Inc. and the team of CDM/TetraTech/Psomas. CDM is the prime consultant of the joint team. Staff has reviewed both proposals and has found them to be responsive to the RFP requirements. The consultant selection process takes into account a combination of the quality and compliance of the proposal submitted by each team and each team's overall performance in the interview process. Consultant interviews were conducted on January 6, 2006, with both proposing teams. Interviews were scheduled for approximately 1 hour and 15 minutes, to allow each team to make a 20 minute formal presentation, questions and answers, and closing statements. The interview panel consisted of the following:

- Paul Shoenberger, P.E. – Central Basin, Chief of Engineering and Operations
- Marc Serna, P.E. – Central Basin, Engineering Manager
- Phil Lauri, P.E. – Central Basin, Principal Water Resources Engineer
- John Oskoui, P.E. – City of Montebello, City Engineer

All four members of the selection panel are licensed Professional Engineers in the State of California, each with over 15 years or more of engineering experience, and are qualified for evaluating professional design consulting services for major pipeline and pump station construction. The following is a summary of the selection panel's rankings and associated proposal costs submitted by each of the proposing teams:

Overall Rank	Team	Proposal Evaluation Score	Interview Evaluation Score	Average Evaluation Score	Proposal Fee
1	CDM/TetraTech/Psomas	37	50	87	\$4,985,060
2	HDR, Inc.	33	42	75	\$4,606,186

Both teams provided a quality proposal to the District's RFP solicitation. In addition, each team has the requisite experience to perform the work in a professional manner. The significant strength of the CDM/TetraTech/Psomas team, which resulted in a greater score and overall best-value to the District, is specific to their team's solid approach in meeting the District's compressed schedule, their extensive project design experience, highly qualified design team, previous design work performed for the District on similar large projects, and their team's overall placement within Southern California to address the daily challenges of the project. In addition, the CDM/TetraTech/Psomas team has also committed substantial resources to the critical path tasks (i.e., surveying, mapping, utility research, etc.) that will meet the District's aggressive project timeframe and allow easy coordination with the affected cities along the alignment.

While HDR provided an acceptable project team, their project approach, limited resources on substantial project components, and remote staffing provided a concern of how the project schedule and communication with various permitting agencies would be facilitated and the Project delivered within schedule.

As the District moves forward with implementation of the Southeast Water Reliability Project, the success of the Project will require a substantial level of committed resources with extensive project experience and local knowledge of the agencies along the project alignment. Staff believes that the CDM/TetraTech/Psomas team has demonstrated their ability to appropriately staff the Project and brings the requisite project management and technical skills along with tremendous subconsultant teams to deliver the Project within schedule. A complete summary of the evaluation and recommendation is attached as Exhibit "A".

FISCAL IMPACTS:

Funding for design will be provided through the District's PAYGO Fund.

ENVIRONMENTAL COMPLIANCE:

CEQA documentation for SWRP has been completed for the proposed alignment.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on January 9, 2006 and was recommended for approval at the January 23, 2006 Board meeting.

RECOMMENDED MOTION:

That the Board authorizes the Co-General Managers to execute an agreement with CDM for professional design services as required for the Southeast Water Reliability Project for an amount of \$4,985,060, plus 10% for change orders, for a total not-to-exceed amount of \$5,483,566.

LIST OF EXHIBITS:

Exhibit A – “Qualification Evaluation Summary”

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