

CENTRAL BASIN MUNICIPAL WATER DISTRICT

NOVEMBER 16, 2006 - Water Resources  
 Vasquez, Hawkins  
 NOVEMBER 28, 2006 - Board Meeting  
 Prepared by: Jew/Rendon  
 Submitted by: Steven Apodaca  
 Approved by: Art Aguilar

ACTION CALENDAR

SOUTHEAST WATER RELIABILITY PROJECT  
ENGINEERING DESIGN SERVICES – AMENDMENT NO. 2

SUMMARY:

Previously, the Board awarded a \$4,606,186 (plus 10% for contingencies) professional services contract to HDR Engineering, Inc. (HDR) to design, assist in the bidding and the pipeline construction management of the Southeast Water Reliability Project (SWRP). One amendment to the contract has been executed to date and a second amendment is being proposed.

**Amendment No. 1**

Amendment No. 1 to the contract was executed on August 2006 and increased the contract amount by \$331,501 and included adding the following to the “Scope of Services:”

- Re-routing of the SWRP pipeline within the City of Vernon to avoid a gas utility;
- Re-routing of the SWRP pipeline to bypass the City of Commerce; and
- Modifications to the preliminary design report.

**Proposed Amendment No. 2**

The execution of a second amendment is essential in order for the District to meet its contractual obligation to serve recycled water to the City of Vernon. The items proposed under this amendment include the following items:

<b>Item</b>	<b>Amount</b>
Extension of the pipeline within Vernon by 1,500 feet	\$82,777
Rio Hondo Pump Station Expansion	\$76,585
Vernon Metering Facility	\$29,222
Supervisory Control and Data Acquisition (SCADA) Development	\$25,000
Additional Hydraulic Modeling	\$10,000
Material Pre-procurement (deletion of unused funds from Scope)	(\$32,245)
<b>TOTAL</b>	<b>\$191,339</b>

Staff determined that the original design “Scope of Services” in HDR’s contract was inadequate to meet the District’s obligation to provide recycled water to the City of Vernon. HDR was asked to submit an additional “Scope of Services” to design a pipeline that would actually reach Vernon’s new power plant and provide a metering facility per the District’

contractual obligation to the City. Oversights by the previous engineering staff have resulted in the bulk of the Amendment No. 2 costs.

Staff also requested that HDR provide a proposal to design the Rio Hondo Pump Station to accommodate future ultimate demands and perform additional hydraulic modeling per the City of Vernon's request. Additional funds for the SCADA development are also being included.

The approval of an Amendment No. 2 would update the financial status of the contract as follows:

Original Contract Amount	\$ 4,606,186
Amendment No. 1 (Approved August 2006)	\$ 331,501
Proposed Amendment No. 2	\$ 191,339
<b>TOTAL NOT-TO-EXCEED AMOUNT</b>	<b>\$ 5,129,026</b>

The total not-to-exceed amount represents an 11% increase from the original contract amount.

#### **Final Design Due by Late February 2007**

HDR has consistently stated that the SWRP final design would be completed by December 12, 2006. However, with the addition of the Amendment No. 2 "Scope of Services", the final design delivery date will occur on January 16, 2007. In the interest of submitting a higher quality product to the District, HDR subsequently asked that another six weeks be added to the delivery schedule. This would result in the final design being completed on February 28, 2007.

Staff feels that it is in the best interest of the District to allow the delay in return for a higher quality bid package. A higher quality bid package would result in lower contractor change order costs. However, this modified schedule will delay the start of construction by six weeks.

#### FISCAL IMPACTS:

The approval of Amendment No. 2 would increase SWRP design costs by \$191,339 and would be cost shared by Central Basin and the City of Vernon through the Central Basin-Vernon SWRP agreement.

#### ENVIRONMENTAL COMPLIANCE:

No additional permits will be required.

#### COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on November 16, 2006 and was recommended for approval at the November 28, 2006 Board meeting.

#### RECOMMENDED MOTION:

That the Board authorizes the General Manager to enter into Amendment No. 2 to Agreement C1699 for an amount of \$191,339, increasing the Agreement to a total not-to-exceed amount of \$5,129,026.