

# Agenda Report

July 14, 2008

**TO:** CITY COUNCIL

**THROUGH:** FINANCE COMMITTEE

**FROM:** CITY MANAGER

**SUBJECT:** Authorize the City Manager to Enter into a Contract with Toby B. Hayward, Inc., to Provide Labor and Materials for the Replacement of the Arroyo Seco Creek Bridge 4 for the Water and Power Department, Specification WD-07-04

## **RECOMMENDATION:**

It is recommended that the City Council:

1. Accept the bid dated April 16, 2008 submitted by Toby B. Hayward, Inc., (Toby Hayward) in response to Specification WD-07-04 for the replacement of the Arroyo Seco Creek Bridge 4 for the Water and Power Department (Department);
2. Authorize the City Manager to enter into such contract for an amount not to exceed \$732,107, which consists of the base bid amount of \$665,552 and an allowance of 10% (\$66,555) to cover any contingencies which may arise; and
3. Amend the FY 2009 Capital Improvement Program to increase appropriations from the Water Fund to the Arroyo Seco Bridge 4 Repair project (budget account 1066) from \$670,000 to \$1,120,000.

## **BACKGROUND:**

The Arroyo Seco Creek Bridge 4 (B4) is located in the canyon behind the Jet Propulsion Laboratory. The existing structure is a timber truss bridge and it is at least 60 years old. The bridge is within the City of Pasadena (City) boundary and is used extensively to provide passage for recreational users and periodically for maintenance and emergency vehicles to cross the Arroyo Seco Stream. This roadway/trail starts at the intersection of Windsor Avenue and Ventura Street in Altadena, also known as the start of the Gabrielino National Recreation Trail. The trail extends as far as the headwaters of the Arroyo Seco Stream at Red Box on the Angeles Crest Highway, and then beyond, into the San Gabriel River Watershed.

As a result of its age and the rainstorms of January and February 2005 the bridge was severely weakened and damaged and the bridge was closed to vehicular traffic. The bridge continues to deteriorate and is now fenced off and closed to all traffic. Trail users, starting at the trailhead adjacent to the Windsor Avenue and Ventura Street intersection, are alerted by signs posted by staff that the roadway/trail is blocked one mile upstream at the fenced off bridge.

DOKKEN Engineering, a bridge design firm and consultant to the Department was hired in March 2005 to design the B4 replacement. Upon completion of the design DOKKEN Engineering estimated the cost to construct the bridge would be \$366,000. The bridge design and specification were completed on June 1, 2007. Staff has secured the required permits from the various agencies.

The notice inviting bids for Specification WD-07-04 was published in the Pasadena Star News on March 28, 2008 in response to the notice inviting bids. One bid was received on April 16, 2008. Toby Hayward was the sole bidder for the job and met all the requirements of the specification. The bid from Toby Hayward is \$665,552, which is \$229,552 over the estimated cost from DOKKEN Engineering.

The increase in the total cost for the B4 replacement is due to the additional work and mitigation measures which are required because the bridge is located in an environmentally sensitive area. First, the support shoring must be a single span element to keep construction material and equipment out of the Arroyo Seco stream. This method of shoring eliminates additional permits. Second, the existing bridges leading up to B4 must be temporarily reinforced in order to permit safe passage of heavy construction vehicles to the construction site. Third, compliance with the California Department of Fish and Game (Fish and Game) requires extensive environmental surveys, monitoring, and reports by a certified biologist, and mitigation measures must be performed to fulfill the terms of the Fish and Game Agreement. These factors have caused the cost to complete the project to increase by \$450,000.

The total contract amount to Toby Hayward including change orders will not exceed \$732,107, as shown below. This includes a ten percent contingency for any necessary change orders. The total funds required to complete the project construction are as follows:

Base Bid .....	\$665,552
Contract Contingencies (10%).....	\$ 66,555
<b>Total Contract Amount.....</b>	<b>\$ 732,107</b>

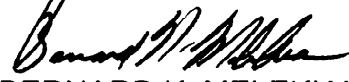
The recommended revised project budget and funding recommendation is as follows:

Appropriations to date.....	\$ 670,000
Requested Additional Appropriations.....	\$ 450,000
<b>Recommended Total Budget/Appropriation .....</b>	<b>\$1,120,000</b>

**FISCAL IMPACT**

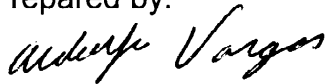
With the approval of the recommended revised project budget, sufficient funding will be available in the Capital Improvement Program budget account number 1066, Arroyo Seco Bridge 4 Repair, to cover the cost of this contract.

Respectfully Submitted,



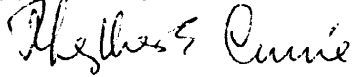
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