



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: MAY 22, 2017

ITEM NO: 8

SUBJECT: CONSTRUCTION OF THE EMERGENCY PAVEMENT REPAIRS FOR THE 12-INCH WATER PIPELINE BREAK AT THE INTERSECTION OF LYON AVENUE AND VICTORIA AVENUE IN THE UNINCORPORATED AREA OF RIVERSIDE COUNTY – RESOLUTION DECLARING THE REPAIR AN URGENT NECESSITY FOR PRESERVATION OF LIFE, HEALTH, AND PROPERTY - PURCHASE ORDER 173999, IN THE AMOUNT OF \$70,697.50, TO ALL AMERICAN ASPHALT FOR THE CONSTRUCTION REPAIRS - WORK ORDER NO. 1724223 FOR \$116,000

ISSUES:

Recommend that City Council adopt the attached resolution waiving the formal bidding requirements and declaring the Emergency Pavement Repairs for the Water Pipeline Break at the intersection of Lyon Avenue and Victoria Avenue, in the unincorporated area of Riverside County, are of an urgent necessity for the preservation of life, health, and property, waiving the formal public bidding requirements in accordance with section 1109 of the City Charter, and approve Purchase Order 173999, in the amount of \$70,697.50, to All American Asphalt for the construction repairs; and that the Board approve the expenditure of \$116,000 for Work Order No. 1724223 for all design, construction, construction management and inspection costs to construct the Emergency Pavement Repairs.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Recommend that the City Council:
 - a. Adopt, by at least five affirmative votes, the attached Resolution declaring the Emergency Pavement Repairs for the Water Pipeline Break at the intersection of Lyon Avenue and Victoria Avenue, in the unincorporated area of Riverside County, are of an urgent necessity for the preservation of life, health, and property, and waiving the formal public bidding requirements in accordance with Section 1109 of the City Charter;
 - b. Approve Purchase Order 173999, in the amount of \$70,697.50, to All American Asphalt for the construction repairs; and
2. Approve the expenditure of \$116,000, which includes all design, construction (All American Asphalt for \$70,697.50), construction management and inspection costs for the Emergency Pavement Repairs for the Water Pipeline Break at the intersection of Lyon Avenue and Victoria Avenue, in the unincorporated area of Riverside County.

BACKGROUND:

On Friday, March 24, 2017, an existing 12-inch asbestos cement water pipe separated from an existing 12-inch cast iron fitting, causing significant flooding and a sinkhole at the intersection of Lyon Avenue and Victoria Avenue. The water pipeline break undermined a substantial portion of the roadway and

saturated the soil underneath, causing a portion of the road to fail at the intersection of Lyon and Victoria Avenues. In addition, the water pipeline break saturated soils underneath a portion of the asphalt pavement along southbound Lyon Avenue, causing the pavement to heave up and crack, making it difficult for local residents to access their driveways.

City crews were dispatched immediately and were able to safely divert traffic, repair the broken pipeline and make temporary asphalt repairs. However, the roadway continued to settle over the following days creating an unsafe driving condition, and crews were dispatched again to remove and stabilize a larger section of asphalt pavement within Victoria Avenue. There was concern that the pavement would continue to shift and settle from further voids beneath the pavement.

The Public Works paving crews generally assist Riverside Public Utilities (RPU) in performing permanent pavement patching related to pipeline leak repairs. However, they did not have the resources available to quickly make the extensive pavement repairs needed for this water main break.

DISCUSSION:

Resolution

Due to the urgency of repairing the public streets, the project was unable to be competitively procured through an advertisement for bids. Section 1109 of the City Charter provides that such contracts may be let without advertising for bids if such work or supplies or materials shall be deemed by the City Council to be of urgent necessity for the preservation of life, health or property, and shall be authorized by resolution passed by at least five affirmative votes of the City Council and containing a declaration of the facts constituting such urgency.

This matter is expected to be brought before the City Council on May 23, 2017.

Construction Services

Staff coordinated with the County of Riverside Transportation Department to identify the extent of pavement repairs needed, and prepared construction drawings accordingly. Staff received quotes from two paving contractors on, April 3, 2017.

The two quotes received are summarized in the table below:

	<u>COMPANY</u>	<u>CITY LOCATION</u>	<u>QUOTE</u>
1.	All American Asphalt	Corona, CA	\$70,697.50
2.	Hardy and Harper	Santa Ana, CA	\$111,000.00

► *Engineer's Construction Cost Estimate \$90,750.00*

Due to the emergency nature of this project, on April 4, 2017, the Purchasing Services Manager issued emergency purchase order number 173999 to All American Asphalt in the amount of \$70,697.50 for the repair to the paving, in accordance with Purchasing Resolution No. 22576, Sections 201(a) and 300-302. Those sections provide that the Purchasing Services Manager may authorize work and issue emergency purchase orders “to protect the public health, welfare, safety or property.”

Work Order

The total expenditure for Work Order No. 1724223 is estimated to be \$116,000, which includes all design, construction, construction management and inspection costs, as summarized in the following table:

Description	Cost	Percent of Total
Design	\$2,302.50	2.0%
Pavement Repairs (All American Asphalt)	\$70,697.50	60.9%
Construction Contingencies	\$10,000.00	8.6%
Pipeline Repairs by City Forces	\$25,000.00	21.6%
Construction Management and Permit Fees	\$5,000.00	4.3%
Inspection and Geotechnical Testing	\$3,000.00	2.6%
Work Order Total	\$116,000.00	100.0%

Section 1202(b) (2) of Article XII of the Riverside City Charter provides the following: “[A] purchase, or acquisition, construction, extension, enlargement, diminution or curtailment may be made without prior approval...(2) if there is an urgent necessity to preserve life, health or property (i) as determined by the Director of Public Utilities or (ii) if the amount exceeds \$100,000 by the Director of Public Utilities and the City Manager. As soon as practicable thereafter, the Director of Public Utilities shall take the matter under Section 1202(b)(2) to the Board of Public Utilities for ratification.”

The City Manager and the Public Utilities General Manager (referred to in the Charter as “Director”) approved the emergency construction contract to repair the paving.

The May 22, 2017, Board of Public Utilities meeting is the soonest practical date to seek Board approval.

FISCAL IMPACT:

The total expenditure for Work Order No. 1724223 is estimated to be \$116,000, which includes all design, construction, construction management and inspection costs. Sufficient funds are available in the Public Utilities’ Maintenance and Repair Account No. 6205000-424130.

Prepared by: Todd L. Jorgenson, Utilities Assistant General Manager/Water
 Approved by: Girish Balachandran, Utilities General Manager
 Approved by: John A. Russo, City Manager
 Approved as to form: Gary G. Geuss, City Attorney

Certifies availability of funds: Laura Chavez-Nomura, Utilities Assistant General Manager/Finance

Attachments:

1. Project Photos
2. Resolution
3. Emergency Purchase Order No. 173999
4. Presentation

