



City of Arts & Innovation

City Council Memorandum

TO: HONORABLE MAYOR AND CITY COUNCIL **DATE: JUNE 6, 2017**

FROM: PUBLIC UTILITIES **WARDS: 1, 3, 5**

SUBJECT: EXCEPT THE MAGNOLIA AVENUE FIBER OPTIC CABLE NETWORK PROJECT FROM THE FORMAL PROCUREMENT REQUIREMENTS OF CITY CHARTER SECTION 1109 AND DIRECTLY AWARD A CONSTRUCTION CONTRACT TO ASPLUNDH CONSTRUCTION CORPORATION, IN THE AMOUNT OF \$1,708,489, AND AUTHORIZE A CHANGE ORDER AUTHORITY IN THE AMOUNT OF 15% OR \$256,000

ISSUES:

Except, by at least five affirmative votes, the Magnolia Avenue Fiber Optic Cable Network Project from the formal procurement requirements required by City Charter section 1109 and directly award a construction contract to Asplundh Construction Corporation in the amount of \$1,708,489, and authorize additional change order authority of 15% or an additional \$256,000, for the Magnolia Avenue Fiber Optic Cable Network Project between Van Buren Boulevard and 1st Street.

RECOMMENDATIONS:

That the City Council:

1. By at least five affirmative votes, except the Magnolia Avenue Fiber Optic Cable Network Project (Project) from the formal procurement requirements required by City Charter section 1109 and directly award a construction contract to Asplundh Construction Corporation in the amount of \$1,708,489; and
2. Authorize change order authority for additional work in an amount not to exceed 15% of the contract amount, which is \$256,000.

BOARD RECOMMENDATION:

On April 24, 2017, the Board of Public Utilities with seven members present, (one absent) unanimously voted to recommend to the City Council to except the Magnolia Avenue Fiber Optic Cable Network Project from formal procurement requirements of City Charter Section 1109 and directly award a construction contract to Asplundh Construction Corporation, in the amount of \$1,708,489, Authorize a Change Order Authority in the amount of 15% or \$256,000 and

approved Work Order No. 1719921 in the amount of \$2,189,489 for the Magnolia Avenue Fiber Optic Cable Network Project.

BACKGROUND:

Riverside Public Utilities (RPU) operates an advanced broadband fiber optic cable based network to communicate between its substations and control centers for the operation of the electric grid. RPU has many locations and paths throughout the City where it owns excess fiber. This excess fiber is not connected to electronic switches at either end, rendering it “dark”. Currently, RPU licenses some of these excess fibers to third parties who install the electronics and “light” the fiber for communication use.

On January 22, 2016, the Board approved Magellan Advisors (Magellan) dark fiber business plan and roadmap for enhanced broadband communications in Riverside. Magellan provided a plan for enhancement of RPU’s business practices and expansion of our dark fiber offerings. The City, through RPU, is not proposing to operate a municipal fiber network and sell internet service to residents, as it does with the water, electric, refuse and sewer utility services that the City provides to residents.

Rather, the City is leasing out unused strands of fiber from its existing broadband fiber-optic cable based network to third parties who have ready access to this existing fiber network. RPU built the network to provide voice, data, electric system protection, and control services to RPU facilities. RPU has many locations and paths throughout the City where it owns excess fiber. This excess fiber is not connected to electronic switches at either end, rendering it “dark”. Currently, RPU leases some of these excess fibers to third parties who install the electronics to “light” the fiber for communication use. These businesses can then use the existing fibers to “light” the fiber for internet and communication use. The first phase of this dark fiber leasing program has been funded by revenue from the existing leases for the dark fiber network. Any future expenditure of ratepayer funds for the dark fiber network will be in compliance with Prop. 26.

DISCUSSION:

On December 20, 2016, City Council awarded a Public Works construction contract for Bid No. 7415 – Magnolia Avenue and Market Street Fiber-Optic Signal Interconnect to Asplundh Construction Corporation, Anaheim, California, in the amount of \$2,444,538.

To take advantage of this construction and to expand RPU’s dark fiber offerings, RPU is coordinating with Public Works to install a separate fiber optic cable network in the same trench, also along Magnolia Avenue between Van Buren Boulevard and 1st Street. RPU will benefit from significant cost savings by coordinating with Public Works in the following areas: engineering and design, construction and installation, street restoration, traffic management, construction inspection, and project administration and management.

Section 1109 of the City Charter provides the following:

Projects for the construction and/or improvement of any public utility operated by the City or for the purchase of supplies or equipment for any such utility may be excepted

from the requirements of this section, provided the City Council so determines by at least five affirmative votes.

The Purchasing Services Manager recommends excepting the Project from the formal procurement requirements required by City Charter section 1109, and directly award a construction contract to Asplundh Construction Corporation.

The basis for such waiver is the following:

1. RPU compared Asplundh's bid to similar bids received on other projects. RPU estimated that the cost for such a project, if bid through a separate formal competitive procurement, would be \$2,607,969. Asplundh's bid is \$1,708,489, meaning that Asplundh's bid is \$899,480 less than RPU's estimate, a cost savings of 34%. This comparison is set forth in the attached Bid Cost Analysis.
2. By coordinating with the Public Works fiber optic project, RPU saves on costs for engineering and design, construction and installation, street restoration, traffic management, construction inspection, and project administration and management. RPU estimated that the costs for such a project, if bid through a separate formal competitive procurement, would be \$3,007,969.58. By coordinating with the Public Works fiber optic project, RPU estimates that its costs would be \$1,933,359, a costs savings of \$1,074,610, or 36%. This comparison is set forth in the attached Bid Cost Analysis.
3. By combining the Project with the Public Works Project, residents will benefit through reduced traffic disruption. By coordinating with the Public Works fiber optic project, RPU's contractor will work within the same trench and the affected streets will only be dug into once. If the Project was bid through a separate formal procurement, the commencement date of the Project will be after the Public Works project, creating increased street construction, a second "dig-in" to the streets and traffic disruption.

Work Order No. 1719921 includes engineering, design, equipment procurement, construction, installation, testing and commissioning of the fiber optic network. RPU staff will perform engineering, design, and testing. Asplundh Construction Corporation will perform construction and installation of the fiber optic network for the amount of \$1,708,489.

Public Works and RPU will share 50% of the common project costs of \$382,500 for mobilization, storm water pollution control, asphalt pavement restoration and traffic control and access. A deductive change order will be issued in favor of the City by Asplundh to reflect Public Utilities' payment of such costs.

The project breakdown is proposed as follows:

Project Breakdown	
Engineering Performed By:	RPU
Material and Equipment Procured By:	RPU
Fiber Installation Performed By:	Contractor
Fiber Termination/Testing Performed By:	RPU
Anticipated Start Date:	June 2017
Anticipated Construction Duration:	Four Months

Coordination Required with:	Public Works Dept.
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The total capital expenditure for the project is as follows:

Item Description	Sub-total
Asplundh Construction Corporation Purchase order	\$1,708,489
RPU Engineering	\$50,000
Material and Equipment	\$50,000
RPU Field Forces	\$125,000
Contingency	\$256,000
Total	\$2,189,489

FISCAL IMPACT:

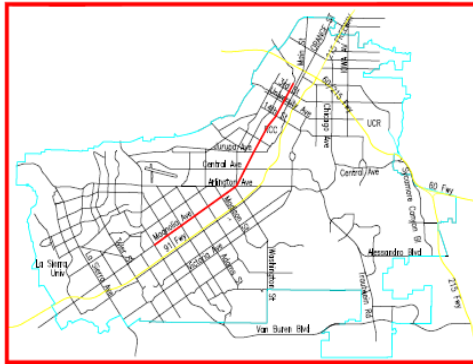
Sufficient funds are available in the Public Utilities' City Wide Communication Account No. 6130000 – 470664.

Prepared by: Girish Balachandran, Public Utilities General Manager
 Certified as to
 availability of funds: Scott Miller, PhD., Chief Financial Officer/ City Treasurer
 Approved by: John A. Russo, City Manager
 Approved as to form: Gary G. Geuss, City Attorney

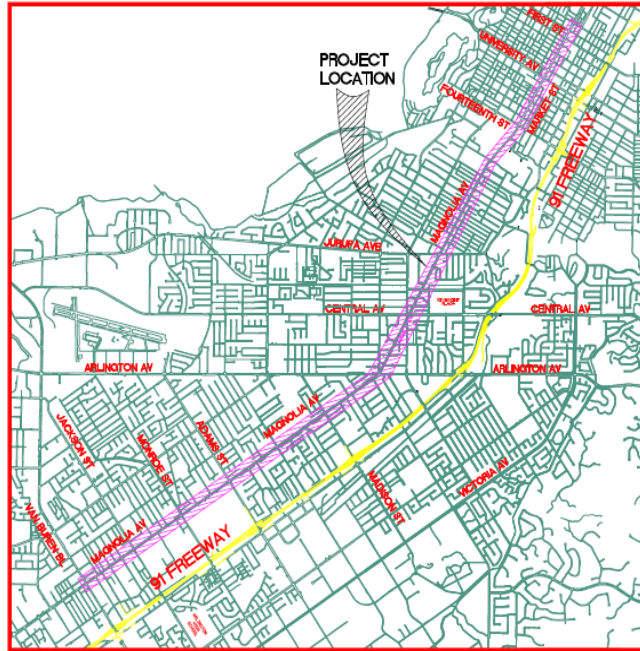
Attachments:

1. Asplundh Construction Corporation Bid
2. Bid Cost Analysis
3. Public Utilities Board Meeting Minutes
4. Presentation

CITY
OF
RIVERSIDE



CITY MAP



MAGNOLIA AVE
CONDUIT AND FIBER INSTALLATION
WORK ORDER NO. 1719921