Bid 7415 – Magnolia Avenue/Market Street Fiber-Optic Signal Interconnect Project

Public Works Department

City Council
December 13, 2016

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BACKGROUND

1. On June 25, 2013, the Riverside County Transportation Commission (RCTC) issued the 2013 Multi-Funding Call for Projects.

2. On September 10, 2013, the City Council adopted Resolution Number 22575 approving the Project for submission to RCTC for funding, and committing to fund at least 25% of the total project cost (local match).

BACKGROUND

3. On September 23, 2013, the Public Works Department submitted a $1,387,500 funding application to RCTC.

4. On January 8, 2014, RCTC approved the funding request.

CURRENT PROJECT

1. The Magnolia Avenue/Market Street Fiber-Optic Signal Interconnect project is a traffic synchronization project that spans 10.4 miles and 49 intersections.

2. The Project will replace the existing outdated copper interconnect wire with a fiber optic communications line from Buchanan Street to First Street.

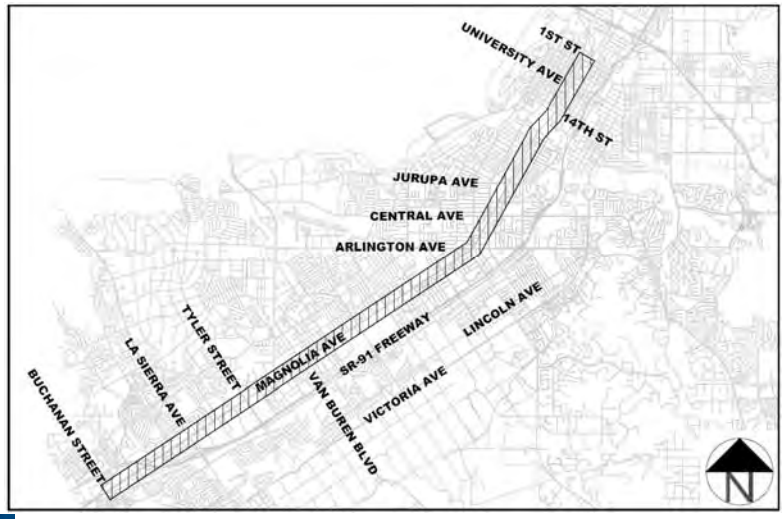
PROJECT SIGNIFICANCE

1. Allows the City to view Caltrans CCTV cameras and their signal timing plans at State controlled intersections to better address freeway incidents that detour traffic via City streets.
2. Allows the City to deploy high resolution digital CCTV cameras and the sharing of video feeds with the Riverside Police Department for improved incident management.

PROJECT SIGNIFICANCE

3. Allows for signal network expansion and flexibility to address future demands from autonomous vehicles and/or adaptive signal timing plans that make real-time signal timing adjustments to optimize traffic flow.
4. Due to improved signal coordination vehicle mobility will be improved and emissions will be reduced.

LOCATION MAP



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TYPICAL INSTALLATION

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COMPETITIVE BIDS

1. November 10, 2016 - Six bids received for construction.
2. Lowest responsive bid from Asplundh Construction Corp. of Anaheim, California
3. Bid amount: $2,444,538 (3.5% above estimate)

RECOMMENDATIONS

1. Award a construction contract for Bid No. 7415 to Asplundh Construction Corporation, Anaheim, California in the amount of $2,444,538.

2. Authorize the City Manager, or his designee, to execute the construction contract with Asplundh Construction Corporation, including making minor non-substantial changes.

RECOMMENDATIONS

3. Authorize a supplemental appropriation in the amount of $1,012,500 in Federal CMAQ grant funds.

4. Authorize a supplemental appropriation in the amount of $375,000 in State MSRC grant funds.

RECOMMENDATIONS

5. Adopt the attached Resolution designating the City Manager, or his designee, to execute City-State agreements.