

**CITY OF HUNTINGTON BEACH
PUBLIC WORKS COMMISSION
REQUEST FOR ACTION**

Item No. PW 09-35

SUBMITTED TO: Chairman McGovern and Members of the Commission

SUBMITTED BY: Travis K. Hopkins, PE, Director of Public Works

DATE: October 21, 2009

SUBJECT: Traffic Signal Controller Cabinet Changeout
Traffic Signal Coordination and Operations Upgrade Program
Garfield Avenue & Magnolia Street (CC-1199), Atlanta
Avenue & Magnolia Street (CC-1199) and Yorktown Avenue
& Lake Street (CC-1200)

Statement of Issue: Plans and specifications are in final preparation for the replacement of traffic signal cabinets, along with electrical service relocations at three signalized locations. Staff is seeking support for the project and the initiation of the competitive bid process.

Funding Source: Funds in the amount of \$363,000 remain budgeted in Account Number 87390004.82700 for construction of the upgrades. The original total project funding was \$750,000, a combination of an OCTA grant (\$600,000) and Measure M funds (\$150,000). This total funding amount includes the equipment replacement at 52 other locations, of which the majority of the construction has been completed by City forces. This completed work accounts for the approximately \$387,000 expended to date.

Impact on Future Maintenance Costs: Maintenance costs may be incrementally lower due to the replacement of the older and outdated traffic signal equipment.

Recommended Action: Motion to support the initiation of the competitive bid process and to recommend to the City Council the proposed traffic signal controller cabinet replacements at three locations.

Alternative Action(s): Recommend changes to the project.

Analysis: The City applied for and obtained a grant to partially fund the upgrades of 55 traffic signal controller cabinets located throughout the City.

These upgrades allow for greater versatility with the operations and communication capabilities of the traffic signal control equipment. The majority of these cabinet changeouts have already been completed utilizing City forces; however there are three locations where the work efforts are more complex. These locations involve significant conduit, wiring and concrete work, therefore requiring the resources of an electrical contractor.

The existing traffic signal controller at the intersection of Garfield Avenue and Magnolia Street is located within a corner access ramp in an outdated cabinet with the electrical service attached to the side of the cabinet. This project will remove the existing controller cabinet and foundation, install a new traffic signal cabinet with a separate electrical service cabinet, install a new ADA compliant curb ramp (since the existing ramp will be destroyed by the removal of the existing cabinet), and reroute the conduits which currently terminate within the boundaries of the curb ramp.

At the intersections of Atlanta Avenue at Magnolia Street and Yorktown Avenue at Lake Street, the work effort includes the removal of the existing traffic signal controller cabinet and foundation, installation of a new traffic signal controller cabinet and foundation, installation of a new electrical service cabinet and conduit installations.

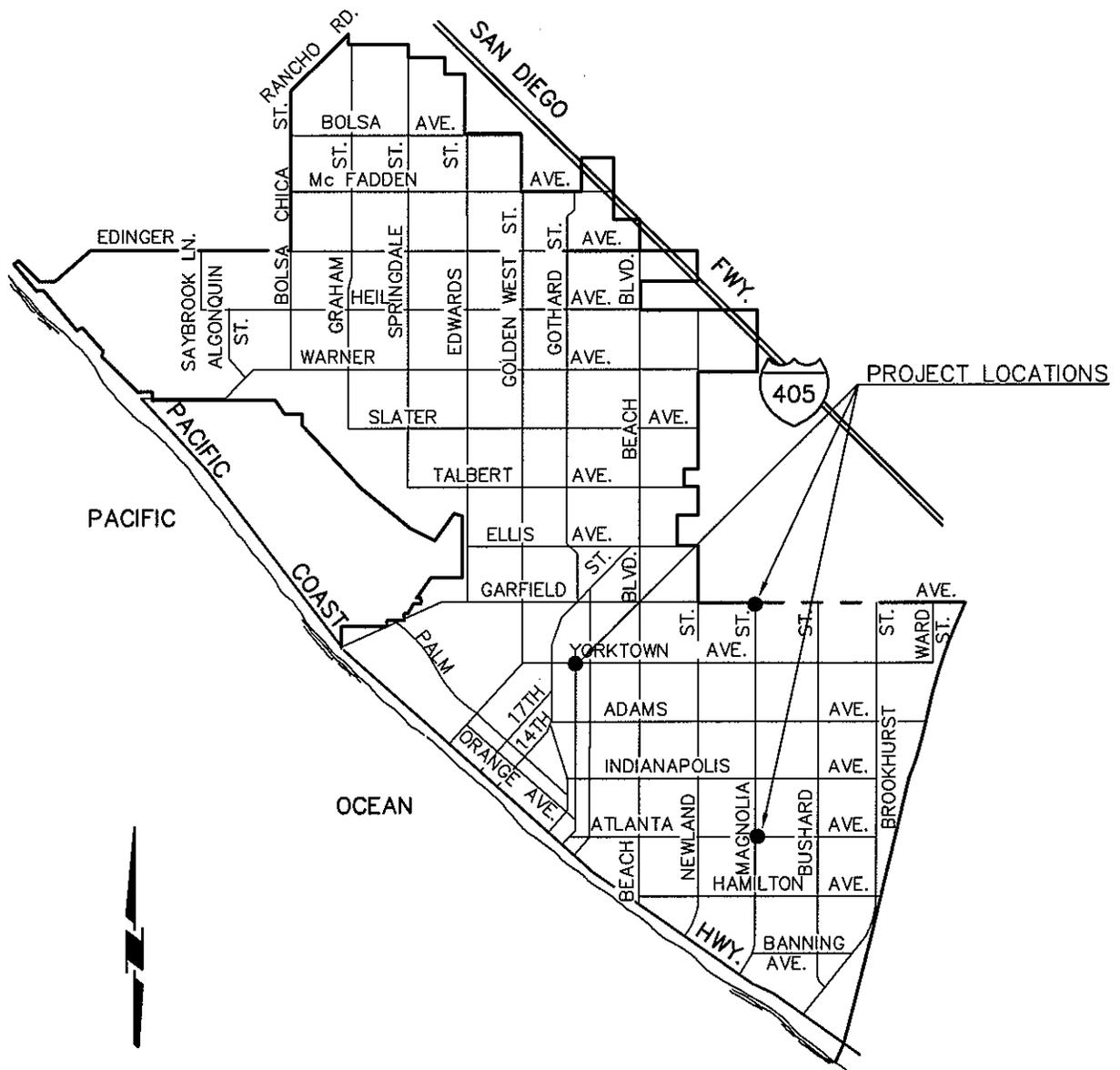
The City's construction cost estimate for these three locations is \$89,000. This does not include the traffic signal controller cabinets and electrical service cabinets, which have already been purchased as part of the overall project. Construction will be scheduled for early 2010.

Attachments:

1. Project Location Map

ATTACHMENT #1

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Location Map
 Traffic Signal Modifications CC-1199 & CC-1200

ATTACHMENT

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