

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

Item No. PW 09-15

SUBMITTED TO: Chairman McGovern and Members of the Commission

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

DATE: April 15, 2009

SUBJECT: Street Lighting Upgrade
Pacific Coast Highway – Main Street to First Street (CC-1324)

Statement of Issue: Plans and specifications are in final preparation for the modification of the street lighting system along Pacific Coast Highway on the westerly (coastal) side of the highway between Main Street and First Street. Staff is seeking support for the project and the initiation of the competitive bid process.

Funding Source: Funds in the amount of \$1,000,000 are budgeted in Redevelopment Agency account 30590006.82700. The funding includes other street lighting upgrades on Pacific Coast Highway. The engineers construction cost estimate for this segment is \$85,000.

Impact on Future Maintenance Costs: Maintenance costs may be incrementally lower due to the replacement of severely rusted and corroded equipment.

Recommended Action: Motion to support the initiation of the competitive bid process and to recommend to the City Council the proposed street lighting upgrades along Pacific Coast Highway from Main Street to First Street.

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

Analysis: Segments of the existing street lighting system in the downtown area are 50 to 70 years old and the poles and conduits are severely rusted or corroded in many places. These systems also operate at 4,000 to 6,000 volts, whereas the current design practice is 120 or 240 volts. The combination of high voltage and the degradation of the system increase the risk in performing maintenance and construction projects in the area. This segment of Pacific Coast Highway was identified as the second project within the downtown redevelopment area for upgrading the conduit and circuitry.

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The project limits will be along Pacific Coast Highway from Main Street to First Street on the west (coastal) side of Pacific Coast Highway. The circuitry on the inland side of Pacific Coast Highway has been previously brought up to current standards and does not require modification. The lighting to the south of the project limit is owned and maintained by Southern California Edison. To the north, the lighting on the inland side of Pacific Coast Highway is Southern California Edison owned and maintained while on the ocean side of Pacific Coast Highway, the street lighting is city-owned and was recently upgraded with a capital project.

This project consists of replacing the existing 5,000 volt system with a 240 volt system, consistent with current design standards. During the initial field review the existing conduit in this segment appeared to be in mostly serviceable condition, however, as was the case with the past street lighting project on Pacific Coast Highway, there may be segments that during construction are found not to be serviceable. The bid documents will call for a linear foot bid for installation of new conduit in order to avoid a significant change order in the case that non-serviceable segments are encountered. In any case, a new conduit will need to be installed across Pacific Coast Highway in order to join the existing circuitry at the intersection of Pacific Coast Highway and First Street.

The engineers construction cost estimate is \$85,000, including the City-purchase of the street lighting equipment and the complete replacement of the conduit, if found to be necessary. Construction will be scheduled for the fall of 2009.

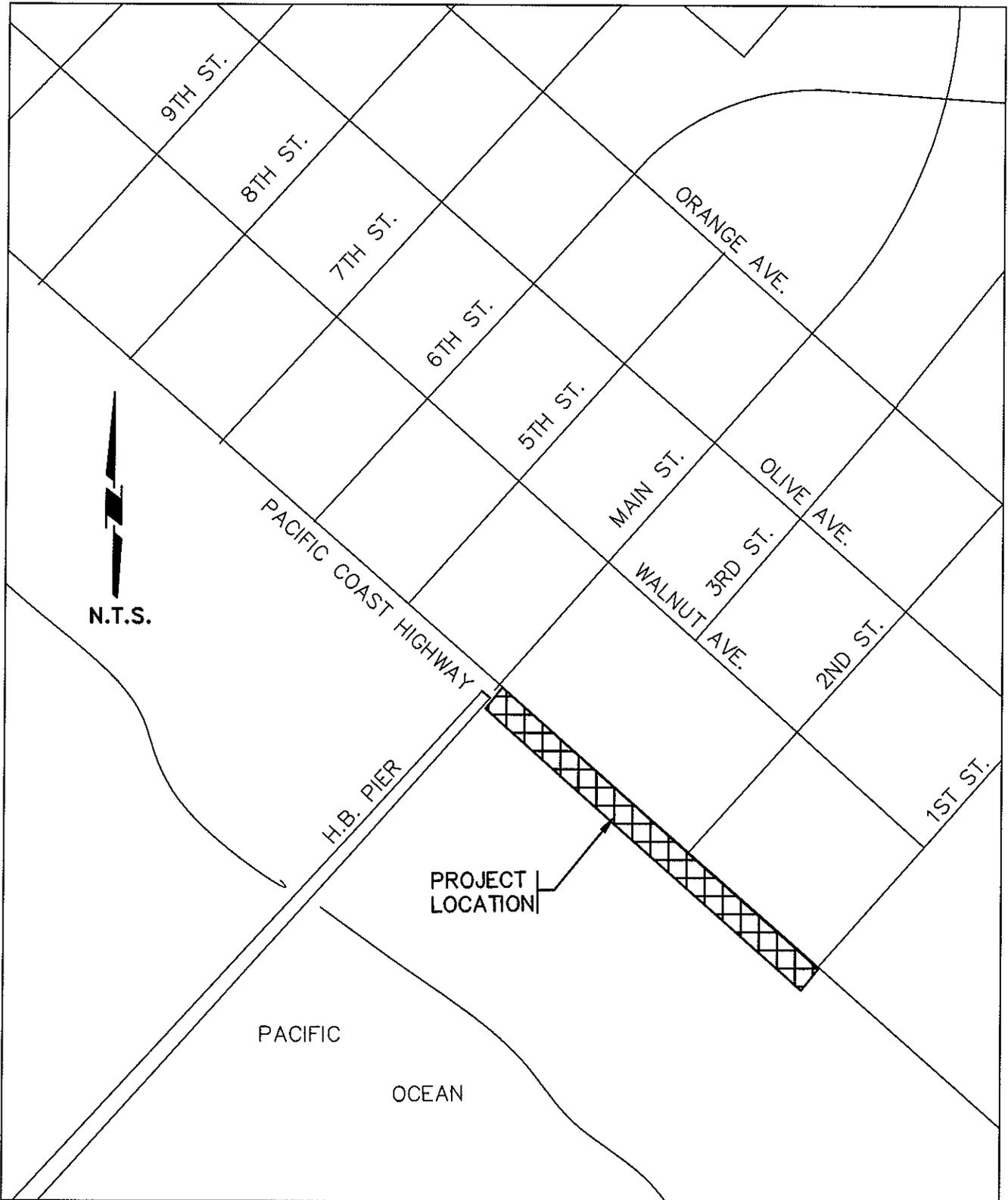
Attachments:

1. CC-1324 Project Location Map

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G-5³

ATTACHMENT #1



G-54

LOCATION MAP
 STREET LIGHTING UPGRADE—PACIFIC COAST HIGHWAY

ATTACHMENT

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 DEPARTMENT OF PUBLIC WORKS

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