

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

Item No. 08-14

**SUBMITTED TO:** Chairman Rivera and Members of the Commission

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

**DATE:** April 16, 2008

**SUBJECT:** Street Lighting Upgrade and Replacement  
Pacific Coast Highway – 11<sup>th</sup> Street to Main Street (CC-1266)

**Statement of Issue:** Plans and specifications are in final preparation for the modifications of the street lighting system along Pacific Coast Highway between 11<sup>th</sup> Street and Main Street. Upon approval from the Director of Public Works they will be ready to go out to bid. Staff requests support of the capital project prior to advertisement for competitive bids.

**Funding Source:** Funds totaling \$1,000,000 have been appropriated in the current budget year for the upgrading and replacement of street lighting in the downtown area. The funding amount also includes other roadway segments for street lighting upgrades in addition to this segment on Pacific Coast Highway. Funding is from the Redevelopment Agency Account 30590006.82700. The engineer's construction cost estimate for this project (CC-1266) is \$94,000.

**Recommended Action:** Motion to recommend to the City Council the modifications to the street lighting system along Pacific Coast Highway between 11<sup>th</sup> Street and Main 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 first project within the downtown redevelopment area for upgrading the poles, conduit and circuitry.

The project limits will be along Pacific Coast Highway from 11<sup>th</sup> Street to 6<sup>th</sup> Street on the east (inland) side and from 9<sup>th</sup> Street to Main Street on the west (ocean) side. These limits correspond to the existing conduit and circuitry which is in

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place today. The lighting north of these limits is owned and maintained by Southern California Edison. To the south, the lighting on the inland side south of 6<sup>th</sup> Street will be Southern California Edison owned and maintained and will be installed with the Strand project. On the ocean side of Pacific Coast Highway, the existing street lighting south of Main Street is part of a separate circuit and is planned to be upgraded with a future phase of the street lighting upgrades.

The project consists of replacing the existing 5,000 volt system with a 240 volt system, consistent with current design standards. Several poles were identified as being severely rusted and will be replaced. The existing conduit in this segment was found to be in mostly serviceable condition, in contrast to many other conduit segments within the downtown area. While some new conduit will be installed, most existing segments will be reused.

Construction will be scheduled for Fall 2008.

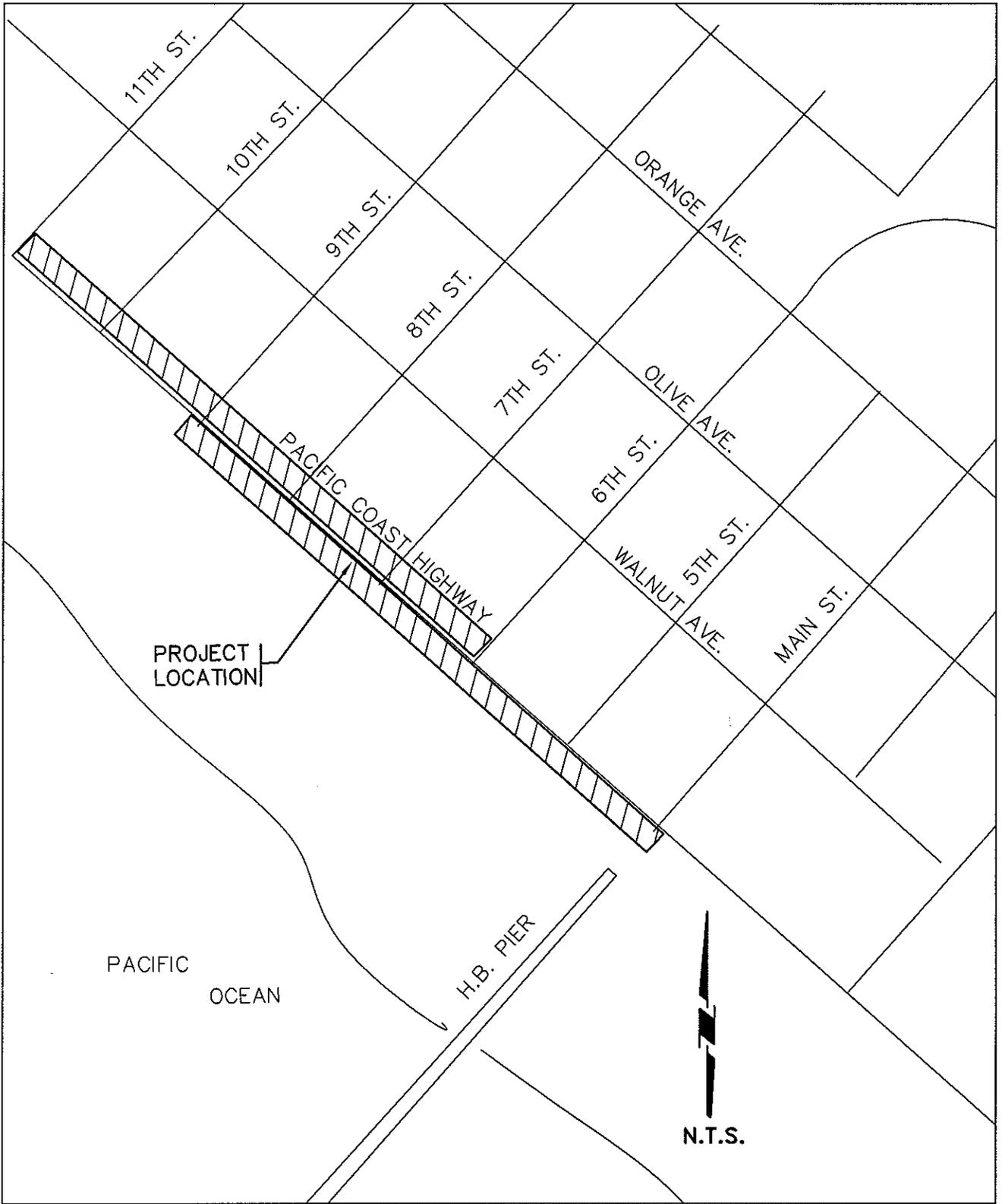
### **Attachments:**

1. Project Location Map

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G-3<sup>3</sup>

**ATTACHMENT #1**



LOCATION MAP

STREET LIGHTING UPGRADE AND REPLACEMENT - PACIFIC COAST HIGHWAY

ATTACHMENT

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