

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

Item No. PW 09-05

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

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

**DATE:** March 18, 2009

**SUBJECT:** Traffic Signal Installation (CC-1213)  
Newland Street and Hamilton Avenue

**Statement of Issue:** Plans and specifications are in final preparation for the installation of a traffic signal at the intersection of Newland Street and Hamilton Avenue. Staff is seeking support for the project and the initiation of the competitive bid process.

**Funding Source:** Funds in the amount of \$400,000 are budgeted in the Traffic Impact Fee account 20690007.82700.

**Impact on Future Maintenance Costs:** Maintenance costs will be increased incrementally with the addition of a new traffic signal.

**Recommended Action:** Motion to support the initiation of the competitive bid process and to recommend to the City Council the proposed traffic signal installation at the intersection of Newland Street and Hamilton Avenue.

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

**Analysis:** The intersection of Newland Street and Hamilton Avenue has been identified as a high priority intersection on the Traffic Signal Priority List. The intersection met the criterion for four traffic signal installation warrants relating to traffic volumes and delay.

Westbound Hamilton Avenue currently terminates at Newland Street and is controlled by a stop sign. The traffic signal will control all legs of the intersection and will include a "protected-permissive" southbound left turn arrow. Crosswalks will be provided across the north and east legs of the intersection. A radio unit and antenna will be installed to provide communication between this location and the City's traffic signal master controller at City Hall.

G-2'

Traffic Signal Installation  
Newland Street and Hamilton Avenue  
March 18, 2009  
Page 2

To properly install the traffic signal poles, minor roadway construction will be necessary. At the southeast corner, the curb return will need to be reconstructed, shortening the radius from 25 to 22 feet. This will allow for proper pole placement in conformance with the Americans with Disabilities Act (ADA). Along the westerly side of the intersection, there is currently no curb. An asphalt curb will be installed to properly place the signal poles,

The engineers construction cost estimate is \$320,000, including the City-purchase of traffic signal poles and equipment. Construction will be scheduled for summer 2008, with the majority of the construction taking place while Newland Street is closed south of Hamilton Avenue for the widening project.

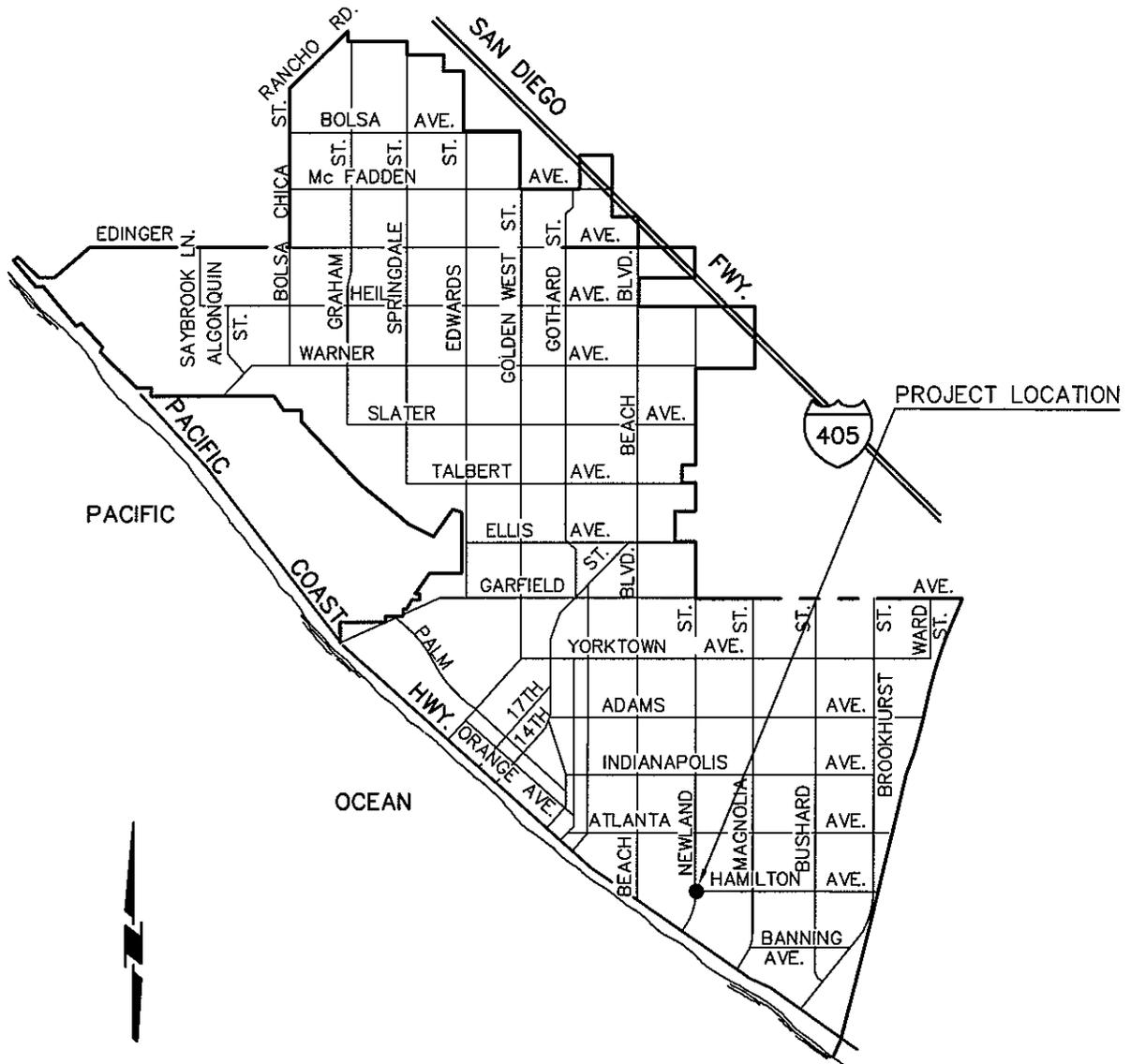
**Attachments:**

1. CC-1213 Project Location Map

G-2<sup>2</sup>

G-2<sup>3</sup>

**ATTACHMENT #1**



G-2<sup>4</sup>

CITY OF HUNTINGTON BEACH \* PUBLIC WORKS \* TRAFFIC ENGINEERING



TRAFFIC SIGNAL INSTALLATION  
NEWLAND STREET AND HAMILTON AVENUE

ATTACHMENT

1