

REPORT TO CITY COUNCIL

DATE: JANUARY 11, 2012

TO: HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL

FROM: GREG RAMIREZ, CITY MANAGER

BY: RAMIRO ADEVA, DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

SUBJECT: AUTHORIZATION TO SEEK BIDS FOR LED RETROFIT OF INTERSECTION TRAFFIC SIGNAL LIGHTING AND INTERNALLY ILLUMINATED STREET NAME SIGNS; NIB 11-02 (FEDERALLY FUNDED PROJECT)

On June 14, 2010, the City entered into a Grant Agreement, #CBG-09-078, with the California Energy Commission (CEC) for use of funds through the Energy Efficiency and Conservation Block Grant (EECBG) program. The EECBG is a federally-funded grant under the American Recovery and Reinvestment Act of 2009 (ARRA).

The City identified the retrofit of existing traffic signals and existing pedestrian heads with new LED modules as a suitable project for grant funds. This project (NIB 10-05) is currently under construction and is 98% complete, with an estimated date of completion as the end of January 2012.

The estimated final costs of NIB 10-05 will be less than half of the grant funding received by the City. The CEC has approved the City to expend the remainder of the funds on another energy efficiency retrofit project. The project identified to use the remainder of the grant funding will retrofit all intersection traffic signal lighting and internally illuminated street name signs with new LED lighting.

There are a total of fourteen (14) signalized intersections within the City. Each of these signalized intersections has traffic signal lighting that uses high pressure sodium (HPS) lamps and internally illuminated street name signs that use fluorescent lamps. By replacing all traffic signal lighting and illuminated street name signs with new LED lighting, the City will remain consistent with the Energy Commission's standard for LED technology. The project will allow the City to further reduce its energy consumption at signalized intersections, ultimately helping us meet our goal of reducing energy and environmental impacts citywide.

The signalized intersections identified for LED retrofit are:

- (1) Ladyface Court and Agoura Road;
- (2) Reyes Adobe Road and Agoura Road;
- (3) Lake Lindero Drive and Thousand Oaks Boulevard;
- (4) Reyes Adobe Road and Thousand Oaks Boulevard;
- (5) Forest Cove Lane and Thousand Oaks Boulevard;

- (6) Grey Rock Road and Thousand Oaks Boulevard;
- (7) Kanan Road and Thousand Oaks Boulevard;
- (8) Laro Drive and Kanan Road;
- (9) Eagleton Street and Kanan Road;
- (10) Fountainwood Street and Kanan Road;
- (11) Hillrise Drive and Kanan Road;
- (12) Canwood Street and Kanan Road;
- (13) Kanan Road and Agoura Road; and
- (14) Liberty Canyon Road and Agoura Road.

The City's total EECBG funding received was \$124,741.00. Estimated grant funding remaining for this project is \$73,900. Staff expects to return to the City Council at the first meeting in February 2012 for award of the contract and to commence construction by March 2012. Construction is anticipated to take four (4) weeks to complete, with no work to be done on holidays.

RECOMMENDATION

Staff respectfully recommends the City Council authorize staff to seek bids for the LED Retrofit of Intersection Traffic Signal Lighting and Internally Illuminated Street Name Signs Project; NIB 11-02 (Federally Funded Project).