



City of Culver City

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Staff Report

File #: 18-0269, **Version:** 1

Item #: C-5.

Approval of Final Plans and Specifications and Authorization to Publish a Notice Inviting Bids for the Carlson Park Streetlight Upgrade Project, PZ-684

Meeting Date: October 9, 2017

Contact Person/Dept: Hong Wang, PW/Engineering

Phone Number: 310-253-5604

Fiscal Impact: Yes ☐ No ☒

General Fund: Yes ☒ No ☐

Public Hearing: ☐

Action Item: ☐

Attachments: ☐

Commission Action Required: Yes ☐ No ☒ **Date:**

Public Notification: (E-Mail) Meetings and Agendas - City Council (10/4/2017);

Department Approval: Charles D. Herbertson (09/28/17)

RECOMMENDATION

Staff recommends the City Council approve the final plans and specifications and authorize the publication of a notice inviting bids for the Carlson Park Streetlight Upgrade Project, PZ-684.

BACKGROUND/DISCUSSION

Culver City maintains approximately 3,330 streetlights and 420 traffic signal intersection safety lights. There are currently approximately 1,230 high voltage streetlights throughout the city that were installed more than 50 years ago. These lights were connected in series loop which was the common method of construction at that time. Since the lights are in series, if one light fails, the whole circuit goes dark. This, coupled with the deteriorating/corroding conduits and wiring, poses significant performance and maintenance issues for this aging streetlight system. Accordingly, one of Public Works infrastructure goals is replacement of these high voltage street light series circuits with low voltage parallel circuits.

The Carlson Park Streetlight Upgrade Project is mostly located in the residential area bounded by Jasmine Avenue to the east and Keystone Avenue to the west, Culver Boulevard to the north and the Ballona Creek Channel to the south. The Project consists of replacing the existing high voltage

series circuits with low voltage parallel circuits by installing new conduits, wiring, pull boxes, low voltage service pedestals, replacing damaged poles, and replacing existing luminaires with new energy efficient LED lights on residential streets (146 each) and induction fixtures on Culver Boulevard (11 each).

Sample replacement LED fixtures have been installed adjacent to the Project area to garner resident feedback prior to selecting the exact fixture to be used on the Project.

On Washington Boulevard between Ince Boulevard and Landmark Street, Southern California Edison is eliminating the existing high voltage power source to the streetlights as part of the Parcel B project utility relocation. This portion of the Project proposes to convert the 19 streetlights to a low voltage circuit.

On Cardiff Avenue, between Culver Boulevard and Venice Boulevard, the streetlights have not been working due to an abandoned SCE high voltage power supply. The Cardiff Parking Structure has been providing some exterior lighting during this period. There are seven streetlights on Cardiff Avenue that are proposed to be connected to a new power source and low voltage circuit as part of this Project.

DKS Associates (for Carlson Park area) and KOA Corporation (for Washington Bl and Cardiff Avenue) separately completed the engineering design through the City Council approved on-call consultant contracts.

FISCAL ANALYSIS

This Project is approved in the FY 17/18 CIP budget.

ATTACHMENTS

None

MOTION

That the City Council:

1. Approve the final plans and specifications for the Carlson Park Streetlight Upgrade Project, PZ-684; and
2. Authorize the publication of a notice inviting bids for construction of the Carlson Park Street Light Upgrade Project, PZ-684