

Council Meeting of
October 20, 2009

Honorable Mayor and Members
of the City Council
City Hall
Torrance, California

Members of the Council:

SUBJECT: City Manager – Approve funding to refurbish electrical system and convert street lights to LED on west side of Victor Street between Del Amo Blvd. and Spencer Street. Expenditure: \$55,000

RECOMMENDATION

Recommendation of the City Manager that City Council appropriate \$55,000 from the Energy Reserve to refurbish the electrical system and convert nine street lights located on the west side of Victor Street between Del Amo Boulevard and Spencer Street to Light Emitting Diodes (LED) as a demonstration project for alternative lighting sources.

FUNDING

Funding is available in the Energy Reserve Fund.

BACKGROUND/ ANALYSIS

City staff has been looking for sites to demonstrate and analyze different types of light sources as a method to test both energy efficiency and quality of lighting to determine a transition strategy for lighting under the control of the City of Torrance.

Street lights in the City are generally owned and operated by Southern California Edison. The subject lights were discovered to be owned and operated by the Torrance Unified School District (District). Several of the lights are not operable and the District does not have the funding required to repair and or upgrade these lights. The District was contacted by City staff to ascertain their willingness to release the lights to the City so that they could be repaired and for the City to utilize the area as a demonstration site. The district agreed and an Agreement was developed to transfer ownership (Attachment A).

The repair of the electrical system is estimated at approximately \$42,000, this does not include a new pedestal and meter to transfer utility billing to the City. The conversion of the lights to LED's is targeted as a partnership between a local manufacturer and the City. There are two providers of light fixtures that utilize LED technology in the City of Torrance; Luminix and Ledtronics. Staff has received a quote from Luminix of \$1,000 per light and \$945.25 from Ledtronics per light. It is recommended that the project be split and purchase lights from both sources for a total not to exceed \$10,750 to cover taxes and any handling charges.

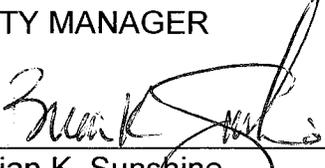
A standard incandescent light fixture known as a "cobra head" costs about \$312.00 per unit. There are greater upfront costs to utilize LED units; however, the installation will allow the monitoring of both electrical use and life of these units to determine long-term viability for other uses within the City. Finally, this is a test project for the City and a partnership with local vendors to develop a demonstration project.

The last item required for this project is the installation of an electric meter and connecting the lights to a new power source; this portion should not exceed the remaining balance of the amount being requested this evening.

The review of lighting under the control of the City will allow other types of low energy projects to be explored for future projects. The City Hall parking lot, other City buildings and parks sites could be sites for future innovation testing sites for solar units and other types of low energy light sources. Staff will be bringing other sites and options to Your Honorable Body as these projects move forward.

Respectfully submitted,

LeROY J. JACKSON
CITY MANAGER

By 

Brian K. Sunshine
Assistant to the City Manager

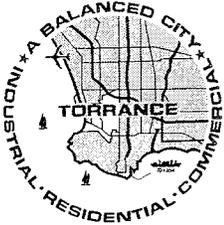
CONCUR:



LeRoy J. Jackson
City Manager

Attachments:

- A. TUSD-City of Torrance Light Transfer Agreement
- B. Electric repair quote



CITY OF
TORRANCE

OFFICE OF THE CITY MANAGER

LeRoy J. Jackson
City Manager

August 18, 2009

Dr. Donald Stabler
Deputy Superintendent
Torrance Unified School District
2335 Plaza Del Amo
P.O. Box 2954
Torrance, CA 90509-6500

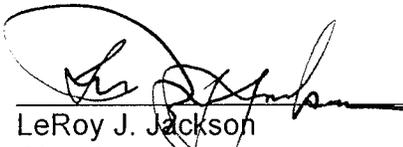
Dear Dr. Stabler:

Subject: Transfer of ownership, lights West High School 20401 Victor Street

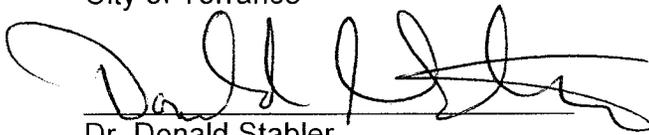
This letter serves as a formal acceptance of the Torrance Unified School District (District) offer to transfer ownership of nine (9) streetlights currently owned and operated by the District. The streetlight location is further shown in Exhibit "A" attached. The City of Torrance (City) accepts these streetlights, ownership, operation and maintenance and will work with the District to ensure proper transfer of electrical connections. It is further acknowledged that the lights being transferred are not currently in working condition.

District will allow City to enter property to relocate electrical circuits and will allow City to locate conduits for power to street lights on District property; exact location to be determined by District and City.

Acknowledgement of the transfer of ownership and operation of the lights as described above and further shown in Exhibit "A" is authorized by the signatures below.

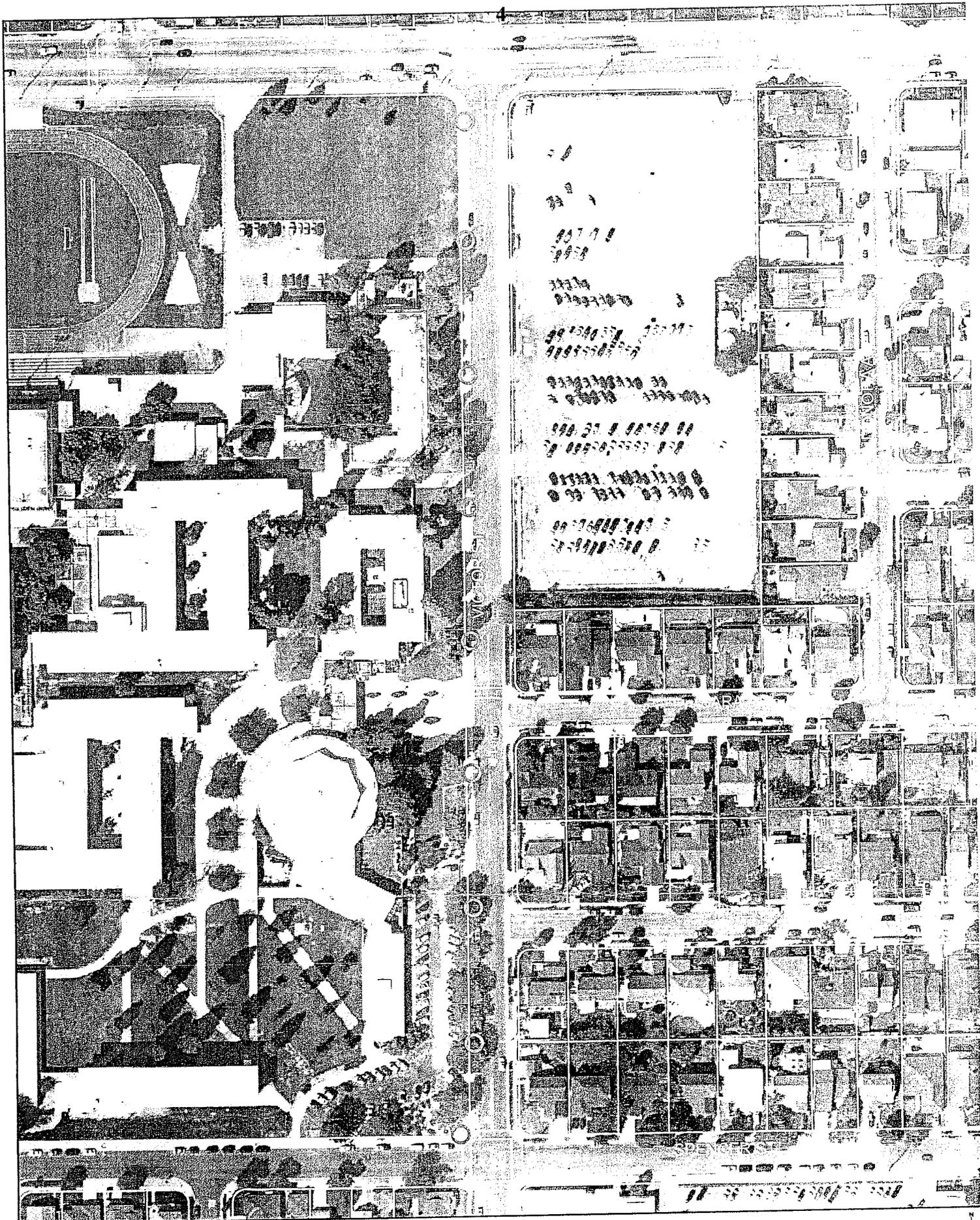


LeRoy J. Jackson
City Manager
City of Torrance



Dr. Donald Stabler
Deputy Superintendent
Torrance Unified School District

BKS/dle
Attachment: Exhibit "A"



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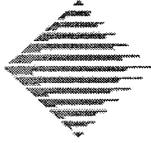
Lines and photos are approximate, not to be used for establishing absolute or relative positions

West High Street Lights



Jeffery W. Gibson
Community Development Department





Dynalectric

Los Angeles

An EMCOR Company

Transportation Group

4462 Corporate Center Drive, Los Alamitos, CA 90720-2539 California Contractors License # 550173,
(714) 828-7000 FAX (714) 484-2389

BID ESTIMATE & SCOPE LETTER

Project: Victor Street - Lighting Conduit & Wire

Date: 5/6/2009
 Bid ID#: 09-1116
 Estimator: Mark Griffin
 Direct #: 714 484-2354

Attn: Doug Walter for Steven Cooper

Scope of work covered under this quote by Dynalectric

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
	Install 1225' of 1" Sch 80 Conduit and 3 # 6 THW Conductors W/ #8			
	Bare Copper. Notch & Install Conduit Into Nine St Lt Foundations.	LS	\$41,190.00	\$41,190.00
	Install Nine # 5 Pull Boxes and Restore PCC Sidewalk			
	Price includes foundation for City supplied Type III BF Svc.			
	Plans based on aerial photograph, no schematic and no spec's			
	Service point to be provided by others			
			\$41,190.00	

Grand Total: \$41,190.00

Scope of Work not covered by this quote

Bonds, Fees Or Any Permits That May Be Required By Any Agency

Night Work

Signing or Striping

Pricing Good for 90 Days

Accepted By _____

Date _____