



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: August 11, 2015

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Construction Of The Highway Safety Improvement Program Traffic Signal Upgrades Project

RECOMMENDATION: That Council:

- A. Award a contract with Lee Wilson Electric Company, Inc., in their low bid amount of \$1,208,570 for construction of the Highway Safety Improvement Program Traffic Signal Upgrades Project, Bid No. 3682; and authorize the Public Works Director to execute the contract and approve expenditures up to \$120,857 to cover any cost increases that may result from contract change orders for extra work and differences between estimated bid quantities and actual quantities measured for payment;
- B. Transfer \$582,227 of available appropriations from the Streets Capital Fund to the Streets Grant Fund and appropriate for the use of the project; and
- C. Increase appropriations and estimated revenues related to the Highway Safety Improvement Program grant funding by \$900,000 in the Fiscal Year 2016 Streets Grant Fund to cover the cost of construction for the Traffic Signal Upgrades Project.

DISCUSSION:

PROJECT BACKGROUND AND DESCRIPTION

The City of Santa Barbara has been awarded a \$900,000 grant for the Highway Safety Improvement Program (HSIP) Traffic Signal Upgrades Project (Project) to make safety enhancements to 40 traffic signalized intersections in Santa Barbara. The scope varies by intersection, but the safety improvements generally include upgrading the size and mounting location of the vehicular indications (i.e. the red, yellow, and green lights) and installing pedestrian countdown timers at traffic signals that lack pedestrian indications. Some intersections will also include new streetlights, underground conduit, new pedestrian access ramps, painted poles, and decorative bases. No curb extensions or traffic signal mast arms are included in the Project.

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Increasing the size of the vehicular indications from 8-inch diameter to 12-inch diameter improves the visibility of the traffic signals, which reduces the occurrence of vehicles running red lights. All new traffic signals must have 12-inch diameter indications, so this Project will upgrade older existing traffic signals to meet the current standard. The new pedestrian countdown timers will let pedestrians know when to cross and how much time is left to complete the crossing.

In addition to the Project's safety benefits, the Project will include much needed maintenance to some of Santa Barbara's oldest traffic signals, many within the downtown area, so they can operate reliably into the future. The maintenance efforts include new LED signal indications and new underground conduit and wiring. The condition of the underground conduit and wiring at many of Santa Barbara's traffic signals is deteriorating, and will need to receive increased attention in the coming years to ensure reliable operations.

After this Project is complete, there will be six traffic signals remaining in the downtown area to be outfitted with larger vehicular indications and pedestrian countdown timers. These intersections will each require significant rehabilitation to accommodate the new equipment. Staff intends to complete about one traffic signal rehabilitation per year for the next six years, funding permitting.

The attached map shows the 40 locations included in this Project, and the locations of the 6 downtown signals that staff intends to upgrade in the coming years.

The Highway Safety Improvement Program is a federal program administered by Caltrans. Other projects recently completed through this program include:

- De La Vina Street at Figueroa Street intersection improvements;
- Carrillo Street at Anacapa Street traffic signal modifications; and
- De La Vina Street at Arrellaga Street new traffic signal.

CONTRACT BIDS

A total of two bids were received for the subject work, ranging as follows:

	BIDDER	BID AMOUNT
1.	Lee Wilson Electric Company, Inc. Arroyo Grande, CA	\$1,208,570.00
2.	Taft Electric Company, Inc. Ventura, CA	\$2,136,439.70

The low bid of \$1,208,570, submitted by Lee Wilson Electric Company, Inc., is an acceptable bid that is responsive to and meets the requirements of the bid specifications.

The change order funding recommendation of \$120,857, or ten percent, is typical for this type of work and size of project.

COMMUNITY OUTREACH

Staff will notify the property owners and residents located near the Project locations of the construction via mailers. Prior to construction, the contractor will be responsible for the final notice via door hangers 72 hours prior to construction.

FUNDING

This Project is primarily funded by a Highway Safety Improvement Program (HSIP) grant. The HSIP grant covers 90 percent of construction costs, up to \$900,000, to be appropriated with this Council Agenda Report. The balance of \$582,227, for construction and will come from a transfer of available appropriations in the Streets Capital Fund. Preliminary design and design costs of \$97,145 for this project were spent out of the Streets Operating and Capital Funds in prior years.

The following summarizes the expenditures recommended in this report:

CONSTRUCTION CONTRACT FUNDING SUMMARY

	Basic Contract	Change Funds	Total
Lee Wilson Electric Company, Inc.	\$1,208,570	\$120,857	\$1,329,427
TOTAL RECOMMENDED AUTHORIZATION			\$1,329,427

The following summarizes all Project design costs, construction contract funding, and other Project costs:

ESTIMATED TOTAL PROJECT COST

	CITY SHARE	HSIP SHARE	TOTAL
Design (by City Staff)	\$80,145	\$0	\$80,145
City-Supplied Equipment	17,000	0	17,000
<i>Subtotal</i>	\$97,145	\$0	\$97,145
Construction Contract	\$308,570	\$900,000	\$1,208,570
Construction Change Order Allowance	120,857	0	120,857
<i>Subtotal</i>	\$429,427	\$900,000	\$1,329,427
Construction Management/Inspection (by City Staff)	\$135,000	\$0	\$135,000
Survey (by City Staff)	17,800	0	17,800
<i>Subtotal</i>	\$152,800	\$0	\$152,800
TOTAL PROJECT COST	\$679,372	\$900,000	\$1,579,372

ATTACHMENT(S): Project Location Map

PREPARED BY: John Ewasiuk, Principal Civil Engineer/LY/sk

SUBMITTED BY: Rebecca J. Bjork, Public Works Director

APPROVED BY: City Administrator's Office

CITY OF SANTA BARBARA

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) TRAFFIC SIGNAL UPGRADES PROJECT

FEDERAL AID PROJECT # HSIPL-5007 (058) PROJECT NO. 7767, BID NO. 3682



PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

APPROVED: _____ DATE _____
CITY ENGINEER ORIGINAL SIGNED DATE _____

DESIGN DRAWN _____
CHECKED _____

NO.	DATE	APPROVED	REVISIONS

HIGHWAY SAFETY IMPROVEMENT PROGRAM TRAFFIC SIGNAL UPGRADES PROJECT
TITLE SHEET

2015-00834
PBW. NO.

3682 | G1
BID NO. | SHT. DES.

C-1-4704
DWG. NO.

SHT. 1 OF 46

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CITY OF SANTA BARBARA

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) TRAFFIC SIGNAL UPGRADES PROJECT

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SHEET INDEX			
SHEET #	SHEET DESIGNATOR	TITLE	DESCRIPTION
1	G1	TITLE SHEET	TITLE SHEET
2	G2	MATRIX OF WORK	-
3	G3	SIGNAL INDICATIONS & SIGNS	-
4	G4	PROJECT SPECIFIC DETAILS	-
5	C1	STATE STREET	AT LA CUMBRE ROAD
6	C2	STATE STREET	AT PLAZA AVENUE
7	C3	STATE STREET	AT HOPE AVENUE
8	C4	STATE STREET	AT HITCHCOCK WAY
9	C5	STATE STREET	AT ONTARE ROAD
10	C6	STATE STREET	AT BROADMOOR PLAZA
11	C7	STATE STREET	AT LAS POSITAS ROAD
12	C8	STATE STREET	AT DE LA VINA STREET
13	C9	STATE STREET	AT CALLE LAURALES
14	C10	LAS POSITAS ROAD	AT SAN ONOFRE ROAD
15	C11	DE LA VINA STREET	AT ALAMAR AVENUE
16	C12	MISSION STREET	AT BATH STREET
17	C13	MISSION STREET	AT DE LA VINA STREET
18	C14	MISSION STREET	AT CHAPALA STREET
19	C15	MISSION STREET	AT STATE STREET
20	C16	MICHELTORENA STREET	AT CASTILLO STREET
21	C17	MICHELTORENA STREET	AT BATH STREET
22	C18	MICHELTORENA STREET	AT DE LA VINA STREET
23	C19	MICHELTORENA STREET	AT CHAPALA STREET
24	C20	MICHELTORENA STREET	AT CHAPALA STREET (2)
25	C21	SANTA BARBARA STREET	AT MICHELTORENA STREET
26	C22	SANTA BARBARA STREET	AT VICTORIA STREET
27	C23	SANTA BARBARA STREET	AT ANAPAMU STREET
28	C24	SANTA BARBARA STREET	AT FIGUEROA STREET
29	C25	SANTA BARBARA STREET	AT COTA STREET
30	C26	SANTA BARBARA STREET	AT HALEY STREET
31	C27	ANACAPA STREET	AT MICHELTORENA STREET
32	C28	ANACAPA STREET	AT VICTORIA STREET
33	C29	ANACAPA STREET	AT FIGUEROA STREET
34	C30	ANACAPA STREET	AT ORTEGA STREET
35	C31	ANACAPA STREET	AT ORTEGA STREET (2)
36	C32	ANACAPA STREET	AT COTA STREET
37	C33	CARRILLO STREET	AT CASTILLO STREET
38	C34	CARRILLO STREET	AT BATH STREET
39	C35	CARRILLO STREET	AT DE LA VINA STREET
40	C36	CARRILLO STREET	AT CHAPALA STREET
41	C37	HALEY STREET	AT GARDEN STREET
42	C38	HALEY STREET	AT LAGUNA STREET
43	C39	GUTIERREZ STREET	AT GARDEN STREET
44	C40	HALEY STREET	AT BATH STREET
45	C41	SHORELINE DRIVE	AT HARBOR WAY
46	C42	SHORELINE DRIVE	AT LOMA ALTA



VICINITY MAP
N.T.S.

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