



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: November 24, 2015

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Increase In Construction Change Order Authority For Cabrillo Boulevard Bridge Replacement/Anacapa Street Crosswalk Enhancement

RECOMMENDATION: That Council:

- A. Accept Highway Safety Improvement Program grant funding increase in the amount of \$270,000 for a revised total amount of \$763,500 for the Cabrillo Boulevard at Anacapa Street Crosswalk Enhancement Project;
- B. Authorize an increase in appropriations and estimated revenues related to the Highway Safety Improvement Program grant funding by \$270,000 in the Fiscal Year 2016 Streets Grant Fund to cover a portion of the cost of construction for the Cabrillo Boulevard at Anacapa Street Crosswalk Enhancement Project;
- C. Approve the transfer of \$180,000 in available appropriations from the Streets Capital Fund to the Streets Grant Fund for the City's share of the construction cost for the Cabrillo Boulevard at Anacapa Street Crosswalk Enhancement Project; and
- D. Authorize an increase in the Public Works Director's Change Order Authority to approve expenditures for extra work for the Cabrillo Boulevard at Anacapa Street Crosswalk Enhancement Project, Contract No. 24,977, in the amount of \$430,512.50, for a total contract expenditure authority of \$15,818,578.00;
- E. Authorize an increase in the extra services amount with Bengal Engineering, Incorporated, for design support services during construction for the Cabrillo Boulevard Bridge Replacement Project, Contract No. 24,979, in the amount of \$43,122.50, for a total contract expenditure authority of \$292,624.50.

DISCUSSION:

Project Background And Description

The City of Santa Barbara was awarded a \$493,500 grant from the Highway Safety Improvement Program (HSIP) for pedestrian crosswalk enhancements at five intersections in Santa Barbara for the HSIP Pedestrian Crosswalk Enhancements Project. The intersections include 1) Cabrillo Boulevard at Corona Del Mar, 2) State

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Street at Calle Palo Colorado, 3) State Street at Islay Street, 4) State Street at Pedregosa Street, and 5) Cabrillo Boulevard at Anacapa Street Crosswalk Enhancement Project (Project), which are illustrated on Attachment 1. The need for the improvements was identified through routine traffic safety analyses.

On September 15, 2015, City Council awarded the construction contract for the first four locations. The fifth location, Cabrillo Boulevard at Anacapa Street, is recommended to be awarded separately so that construction can be better coordinated with the Cabrillo Boulevard Bridge Replacement Project (Bridge Project). The primary reason for this is to coordinate the traffic handling plan and detours for pedestrians during Stage 2 (mountain side) and Stage 3 (ocean side) of the Bridge Project. In addition, since the contractor is already mobilized, the overall construction cost should be less, and surface improvements can be coordinated such that it appears to be one project. Caltrans staff has approved this approach.

The Project will include curb extensions, pedestrian activated flashers, improved intersection lighting on south side of Cabrillo Boulevard, and a widened sidewalk area adjacent to the tour bus loading zone. See Attachment 2 for an illustration of the planned Project. A median refuge island was originally proposed for this Project, but was removed after concerns were raised by the Fire Department and the Historic Landmarks Commission.

The curb extension on the south side improves sight lines and allows for more on-street parking. Without the curb extension, parking would have to be kept further away from the crossing point to maintain good sight lines. The north side curb extension is planned due to the existing sidewalk width of only four-feet in front of the Fish House restaurant. The only way to provide sufficient sidewalk width is to eliminate the westbound right turn lane to Anacapa Street. The westbound right turn movement is generally a low volume movement.

Current Status

On October 30, 2015, a change order proposal in the amount of \$453,035 was received from Lash Construction, Inc., (Lash) for the subject work. Since the proposal was higher than the engineer's estimate, staff negotiated the price with the contractor. A revised proposal of \$391,375, submitted by Lash on November 9, 2015, is an acceptable bid that is responsive to and meets the requirements of the Project specifications. Staff recommends authorizing the execution of a change order to the Bridge Project contract since the proposed change order amount is reasonable and it is in the public's best interest to proceed with the work.

In addition, staff recommends a change order funding recommendation of \$39,137.50, or 10 percent, as is typical for this type of work and size of project.

The subject work is not anticipated to materially delay the Bridge Project, with the mountain sidewalk being completed during Stage 2 this winter, and the ocean sidewalk being completed during Stage 3 in winter 2016-2017.

In addition, Caltrans has notified City staff that an increase in the HSIP grant in the amount of \$270,000 has been approved for a total grant amount of \$763,500. This results in the total construction contract cost for the HSIP project being approximately 85 percent funded by the grant.

The recommended increase in design support services with Bengal Engineering, Incorporated, (Bengal) on the Bridge Project is needed in order to modify the engineering design of the Stage 3 (ocean side) part of the new bridge. The modification to the bridge includes accommodating a newly identified earthquake requirement, per Caltrans, for the high-pressure gasoline hanging from the bridge. The increase in extra services will cover the cost of updating the bridge plans and reimbursing Bengal for costs associated with modifications made to the potable water main plan so that the gas main could be accommodated.

BUDGET/FINANCIAL INFORMATION:

Funding

This Project is primarily funded by a HSIP grant, with the balance from the Streets Capital Fund. The grant share for construction of the overall HSIP project is \$763,500, of which \$270,000 is recommended to be appropriated with this Council Agenda Report. An additional \$180,000 for construction costs will come from a transfer of available appropriations in the Streets Capital Fund and from funds already appropriated for the HSIP project.

The following summarizes the additional expenditures recommended in this report:

**CABRILLO BOULEVARD BRIDGE REPLACEMENT
CONSTRUCTION CONTRACT FUNDING SUMMARY**

	Base Contract	Change Order	Total
Initial Contract Amount	\$13,989,150.50	\$1,398,915.00	\$15,388,065.50
Proposed Increase	\$391,375.00	\$39,137.50	\$430,512.50
Totals	\$14,380,525.50	\$1,438,052.50	\$15,818,578.00

**CABRILLO BOULEVARD BRIDGE REPLACEMENT DESIGN SUPPORT SERVICES
 CONTRACT FUNDING SUMMARY**

	Base Contract	Change Order	Total
Initial Contract Amount	\$226,820.00	\$22,682.00	\$249,502.00
Proposed Increase	\$0.00	\$43,122.50	\$43,122.50
Total	\$226,820.00	\$65,804.50	\$292,624.50

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

**HSIP PEDESTRIAN CROSSWALK ENHANCEMENT
 ESTIMATED TOTAL PROJECT COST**

**Cents have been rounded to the nearest dollar in this table.*

	FHWA Share	City Share	Total Cost
Design (by City Staff)	\$0	\$125,970	\$125,970
City-Supplied Equipment	\$0	\$34,910	\$34,910
	\$0	\$160,880	\$160,880
Construction Contract (4 Locations)	\$398,220	\$44,247	\$442,467
Construction Change Order Allowance (4 Locations)	\$0	\$44,250	\$44,250
Construction Contract (Cabrillo / Anacapa)	\$352,237	39,138	\$391,375
Construction Change Order Allowance (Cabrillo / Anacapa)	\$13,043	26,094	\$39,137
Contract Subtotal	\$763,500	\$153,729	\$917,229
Construction Management/Inspection (by City Staff and Contract)	\$0	\$93,463	\$93,463
Other City Staff Costs (Survey, Record Drawings, etc.)	\$0	\$10,000	\$10,000
Subtotal	\$0	\$103,463	\$103,463
	\$763,500	\$257,192	\$1,020,692
Project Total	\$763,500	\$418,072	*\$1,181,572

There are sufficient appropriated funds in the Streets Capital Fund to cover the extra work items.

ATTACHMENTS: 1) Project Location Map
2) Project Layout

PREPARED BY: Brian D'Amour, Principal Civil Engineer/AH/sk

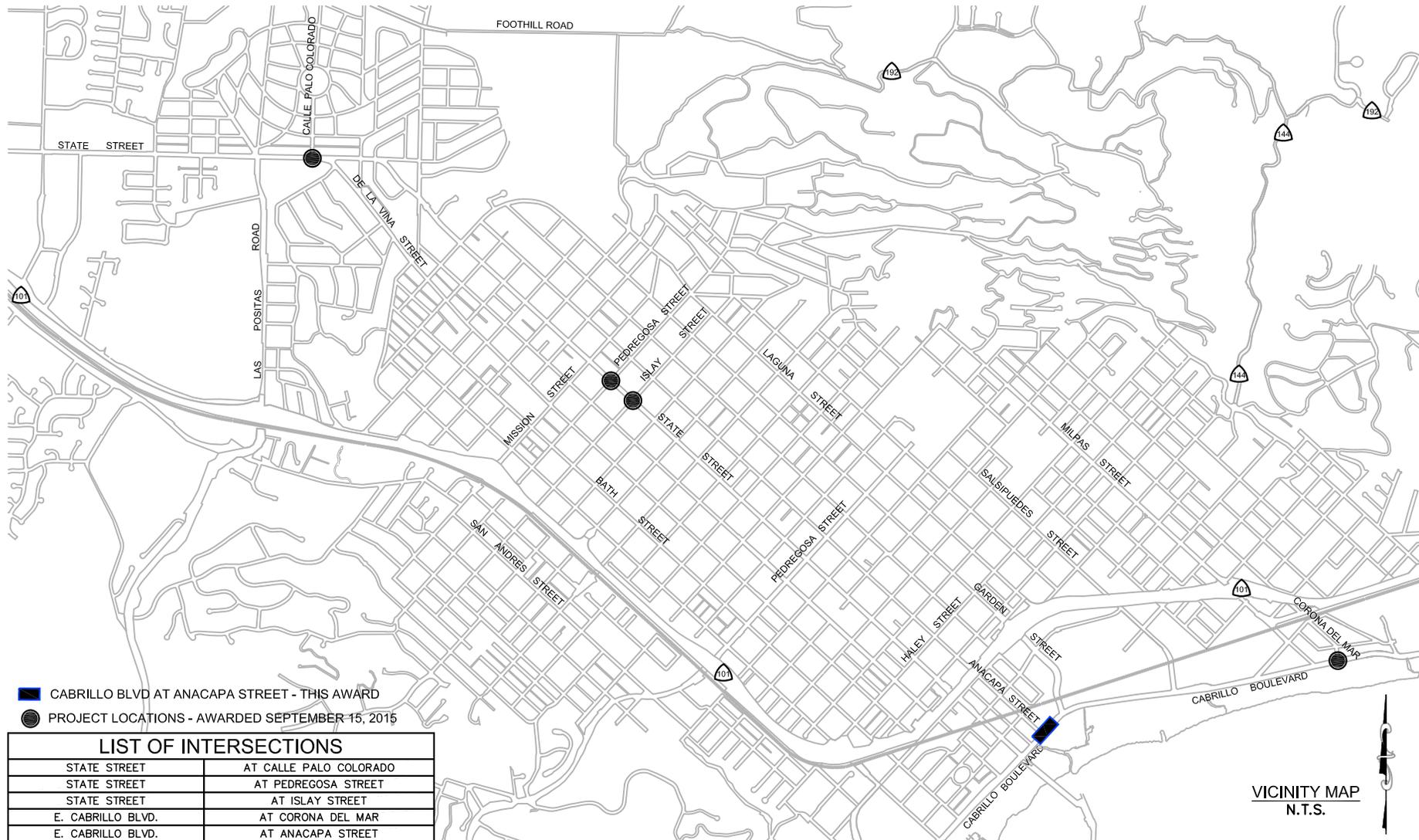
SUBMITTED BY: Rebecca J. Bjork, Public Works Director

APPROVED BY: City Administrator's Office

CITY OF SANTA BARBARA

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PEDESTRIAN CROSSWALK ENHANCEMENTS PROJECT

FEDERAL AID PROJECT # HSIPL-5007(057) PROJECT NO. 47765, BID NO. 3681



- CABRILLO BLVD AT ANACAPA STREET - THIS AWARD
- PROJECT LOCATIONS - AWARDED SEPTEMBER 15, 2015

LIST OF INTERSECTIONS	
STATE STREET	AT CALLE PALO COLORADO
STATE STREET	AT PEDREGOSA STREET
STATE STREET	AT ISLAY STREET
E. CABRILLO BLVD.	AT CORONA DEL MAR
E. CABRILLO BLVD.	AT ANACAPA STREET

VICINITY MAP
N.T.S.



PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION

APPROVED _____	DATE _____
DESIGN _____	CHECKED _____
DRAWN _____	DATE _____
CITY ENGINEER _____	GENERAL ENGINEER _____

NO.	DATE	APPROVED	DESIGN	DATE	CHECKED	DATE

REVISIONS

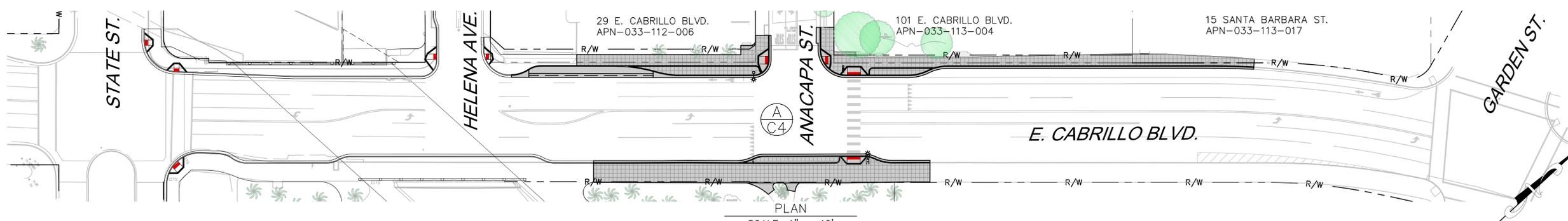
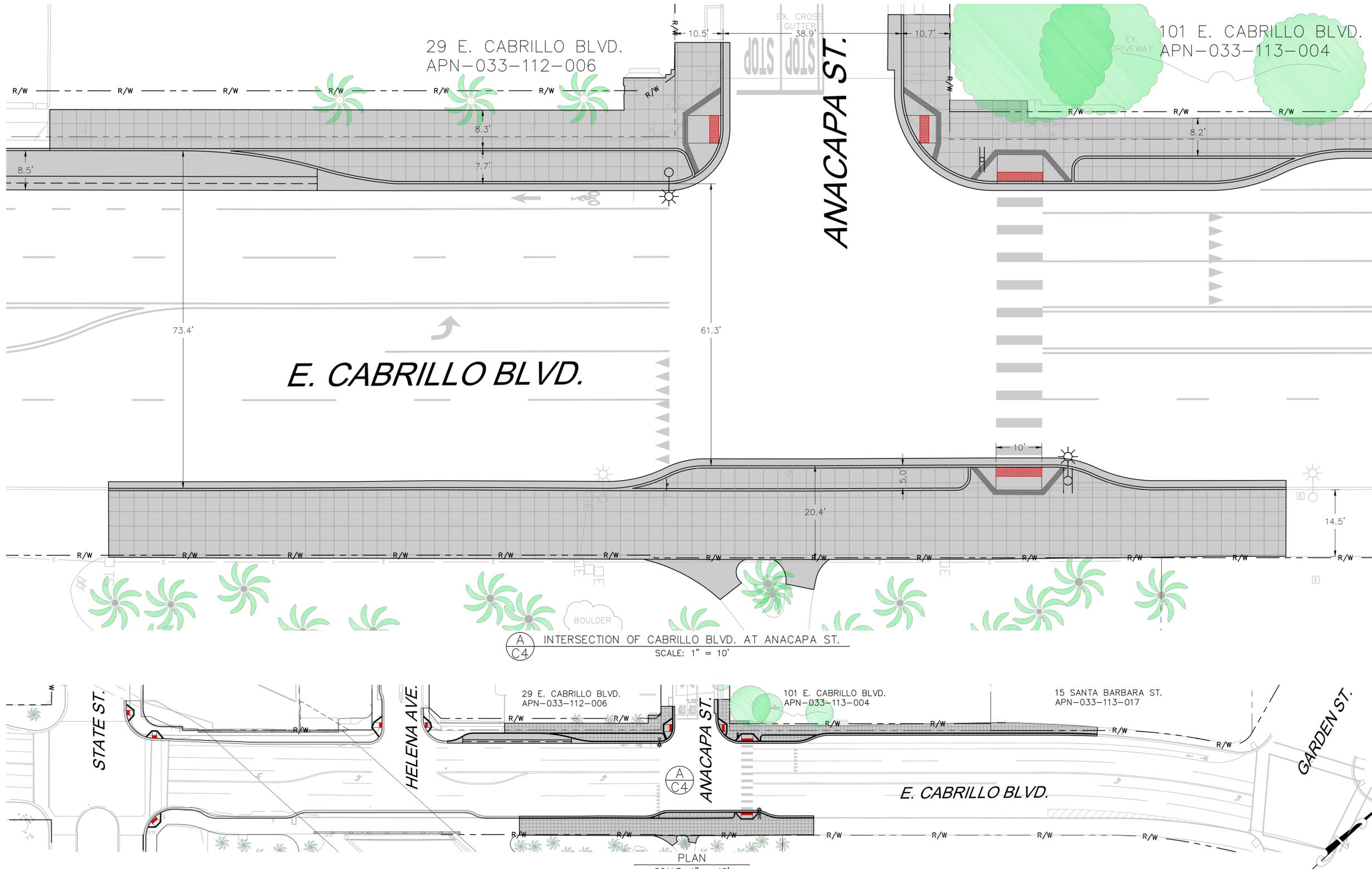
HSIP PEDESTRIAN CROSSWALK ENHANCEMENTS PROJECT
TITLE SHEET

2014-00115
FILE NO.

3681 G1
BID NO. (BID) NO.

C-1-4713
JOB NO.

SHT. 1 OF 1



A
C4 INTERSECTION OF CABRILLO BLVD. AT ANACAPA ST.
SCALE: 1" = 10'

CABRILLO BLVD. AT ANACAPA ST.
ALTERNATIVE #2 - CURB EXTENSIONS ONLY



PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION

APPROVED: _____ DATE _____

CITY ENGINEER ORIGINAL SIGNED DATE _____

NO.	DATE	APPROVED	DESIGN	DB
			DRAWN	AS
			CHECKED	DB

30%
DRAFT

REVISIONS

HSIP CROSSWALK ENHANCEMENTS PROJECT

**E. CABRILLO BLVD.
AT ANACAPA ST.**

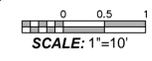
2014-0015
PBW. NO.

3681 C4
BID NO. SHT. DES

C-1-4713
DWG. NO.

SHT. 3 OF 5

PROPERTY LINES
ARE APPROXIMATE



SUPERVISING TRANSPORTATION ENGINEER DATE _____

T:\Projects - Active\3681 - HSIP Crosswalk Enhancements\Design\Plans & Specs\Cabrillo\Anacapa\C03 - Cabrillo @ Anacapa.dwg: 12/10/2014 8:11 AM; Grubb, Andrew