



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: October 25, 2011

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Construction With Lash Construction For Intersection Improvement Project At Anacapa And Carrillo Streets

RECOMMENDATION: That Council:

- A. Accept Federal Highway Safety Improvement Program funding in the total amount of \$400,000;
- B. Increase estimated revenues by \$400,000 in the Fiscal Year 2012 Streets Capital Fund and appropriate \$400,000 for the Intersection Improvement Project at Anacapa and Carrillo Streets;
- C. Award a contract with Lash Construction, in their low bid amount of \$319,895 for construction of the Intersection Improvement Project at Anacapa and Carrillo Streets, Bid No. 3576; and
- D. Authorize the Public Works Director to execute the contract and approve expenditures up to \$48,000 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.

EXECUTIVE SUMMARY:

The purpose of the Intersection Improvement Project at Anacapa and Carrillo Streets (Project) is to improve safety by increasing signal visibility at this intersection, which has among the highest number of intersection collisions in the City. The City contracted with Penfield & Smith Engineers (P&S) in 2008 to evaluate existing intersection conditions and develop recommendations for improving the Anacapa and Carrillo Streets intersection.

After significant review by the Transportation Circulation Committee (TCC), Historic Landmarks Commission (HLC), and City Council, Council approved the final P&S design concept on September 14, 2010.

DISCUSSION:

BACKGROUND

The Anacapa and Carrillo Streets intersection has been identified as having among the highest number of motor vehicle collisions in the City. Traffic collision records associated with this intersection reflect 62 collisions between December 31, 2003 and December 31, 2007, with 49 collisions reported as occurring within 75 feet of this intersection.

Of the 49 collisions, 33 were broadside collisions and 5 were rear-end collisions (the other 11 were unpreventable or not correctable with changes to the intersection control; for example, driving under the influence, or other impairment). In 28 of the 49 collisions, a red light violation occurred. Poor signal visibility is the most probable cause for collisions of this nature at an intersection where the signal timing is adequate.

Given the collision history data and field observations, P&S proposed an intersection improvement project that included the installation of new signal poles with mast arms over Carrillo Street to improve signal visibility, and the installation of curb extensions and directional access ramps on the northeast and southeast side of Carrillo Street to improve signal visibility on Anacapa Street without additional mast arms.

The Project was presented to the TCC in September 2008, at which time the TCC found the Project consistent with the Circulation Element. The Project was also presented to the HLC in December 2008, where it received preliminary approval. In April 2009, the Project went before Council and P&S was awarded a contract to complete the final design. At that meeting, there was discussion with Council regarding the proposed elements of the Project, including the curb extensions. With Council approval, staff proceeded with final design.

In June 2010, the Project was presented again to the HLC. Although no major changes to the Project had occurred since the HLC's initial review in 2008, the preliminary approval for the Project had expired and the Public Works Department was required to present the entire Project again. At that meeting, the HLC approved the Project. In July 2010, the HLC voted to reconsider its approval of the Project based on concerns with the proposed curb extensions. To address the HLC's concerns with curb extensions, the Project was subsequently redesigned to remove the curb extensions, and to add a mast arm over Anacapa Street to improve the visibility issue for the southbound Anacapa Street approach. Council approved the increase in extra services for P&S to complete the redesign on September 14, 2010.

PROJECT DESCRIPTION

The Project consists of new signal poles with mast arms over Carrillo Street, one new signal pole with a mast arm over Anacapa Street, new pedestrian signal indicators with countdown heads in all directions, and relocation of the traffic control equipment cabinet. New access ramps will also be installed on the northeast, southeast, and southwest corners of the intersection. In addition, new safety lighting and drainage improvements will be installed as part of the Project.

CONSTRUCTION SCHEDULING

There is a six to nine month lead time necessary for delivery of the traffic signal and light poles that are included in the Project. Therefore, construction is anticipated to begin in spring or summer of 2012. The Contractor will not begin any work on-site, aside from initial exploratory potholing, until the traffic signal and light poles have been delivered and accepted by the City. The Contractor shall have 30 working days to complete construction upon acceptance of the traffic signal and light poles by the City.

CONTRACT BIDS

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

	BIDDER	BID AMOUNT
1.	Lash Construction Santa Barbara	\$319,895.00
2.	Berry General Engineering Ventura	\$383,423.65
3.	Lee Wilson Electric Arroyo Grande	\$389,341.70
4.	Granite Construction Santa Barbara	\$392,106.00
5.	Nye & Nelson Ventura	\$492,610.10*

**corrected bid total*

The low bid of \$319,895, submitted by Lash Construction, Inc. (Lash), is an acceptable bid that is responsive to and meets the requirements of the bid specifications.

The change order funding recommendation of \$48,000, or 15%, is typical for this type of work and size of project.

CONSTRUCTION PHASE CONTRACT SERVICES

As part of this Project, the Public Works Director will also execute a professional services contract with P&S in the amount of \$7,500 for design support services during construction. Additionally, the Public Works Director will also execute a professional services contract with Fugro West in the amount of \$5,000 for material testing services during construction.

COMMUNITY OUTREACH

During the Project's design phase, a postcard notice was sent to all property owners and tenants within a one block area of the intersection. A construction notification will be mailed once the construction contract is awarded and the tentative construction timeline is known. Engineering staff will coordinate with the Downtown Organization to inform the property owners and tenants throughout the Downtown area of the upcoming construction Project. News releases will be utilized to announce construction scheduling. The Contractor will be responsible for the final notice (door hanger) 72 hours prior to construction.

FUNDING

The City has been awarded a Highway Safety Improvement Program grant in the amount of \$400,000 for construction costs. The grant requires a 10% City match, which is funded by Measure D, Measure A, and Underground Utility Tax revenue. With the addition of the \$400,000 in appropriated grant funds, there are sufficient appropriated funds in the Streets Fund to cover the City cost of this Project.

The following summarizes the expenditures recommended in this report:

CONSTRUCTION CONTRACT FUNDING SUMMARY

	Basic Contract	Change Funds	Total
Lash Construction	\$319,895	\$48,000	\$367,895
P&S	\$7,500	\$1,125	\$8,625
Fugro West	\$5,000	\$750	\$5,750
TOTAL RECOMMENDED AUTHORIZATION			\$382,270

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

ESTIMATED TOTAL PROJECT COST

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

Consultant Conceptual Study/Design	\$27,480
Consultant Design Services	\$36,290
Phase 1 Archaeological Report/Section 106 Study for CEQA/NEPA	\$9,120
Consultant Design Services (Redesign)	\$18,895
City Engineering Costs for Design and Redesign Costs	\$83,758
Subtotal	\$175,543
Construction Contract	\$319,895
Construction Change Order Allowance	\$48,000
Subtotal	\$367,895
Other Construction Costs – Material Testing	\$5,750
Other Construction Costs – Construction Support Services (by P&S)	\$8,625
Construction Management/Inspection (by City Staff)	\$65,000
Subtotal	\$79,375
TOTAL PROJECT COST	\$622,813

BUDGETARY/FINANCIAL INFORMATION:

The total construction cost of the Project, including construction management and inspection (by City staff), is \$447,270 (\$367,895 + \$79,375). As previously discussed, the City was awarded a Highway Safety Improvement Program grant in the amount of \$400,000 for construction costs. The grant requires a minimum 10% City match (\$40,000). Therefore, the City's portion of construction costs for this Project is \$47,270, which covers the City match requirement. There are sufficient funds in the Streets Fund to cover the cost of this Project.

SUSTAINABILITY IMPACT:

This Project will facilitate alternative and environmentally friendly modes of transportation by improving pedestrian access at the Anacapa and Carrillo Streets intersection. Safety lighting will also improve pedestrian safety at the intersection.

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