



# CITY OF SANTA BARBARA

## COUNCIL AGENDA REPORT

**AGENDA DATE:** September 24, 2013

**TO:** Mayor and Councilmembers

**FROM:** Engineering Division, Public Works Department

**SUBJECT:** Approval Of Emergency Purchase Order For Jimeno Road Storm Drain Repair

### **RECOMMENDATION:**

That Council approve an Emergency Purchase Order to Lash Construction, Inc. in the amount of \$33,048.63 to repair a failed City storm drain and resulting sinkhole on Jimeno Road.

### **DISCUSSION:**

Public Works staff was alerted to the presence of a sinkhole on Jimeno Road on Saturday, August 3, 2013 (see Attachment). Streets Maintenance staff immediately assessed the condition and determined that a road closure was required. City Streets crews placed barricades for the remainder of the weekend to ensure public safety.

On Monday, August 5, 2013, Engineering Division staff further assessed the damage. The cause of the sinkhole was a failed 24-inch corrugated metal pipe that is located at a depth of over 10 feet below Jimeno Road. Staff determined that due to the severity of the sinkhole, the depth and size of the failed pipe, the presence of conflicting utilities (water and gas mains), and the restricted access on Jimeno Road, an Emergency Purchase Order was required to expedite completion of the repair.

On Tuesday morning, August 6, 2013, Lash Construction, Inc. (Lash) began construction under the authority of an Emergency Purchase Order. Upon removal of the old corrugated metal pipe, it was evident that the entire bottom had rusted out. Over time, stormwater had transported roadway sediment downstream creating a cavity beneath the roadway surface and ultimately resulting in the sinkhole.

The depth of the storm drain and the proximity to other utilities required that the repair be completed in two separate phases, both needing shoring. Lash was able to place steel plates over the excavation at the end of each day to provide access to local traffic only. The 24-inch new replacement high density polyethylene pipe was connected on the

upstream end to an existing stone box culvert and on the downstream end to a 24-inch round concrete pipe. The work was completed on August 15, 2013, needing eight working days for completion.

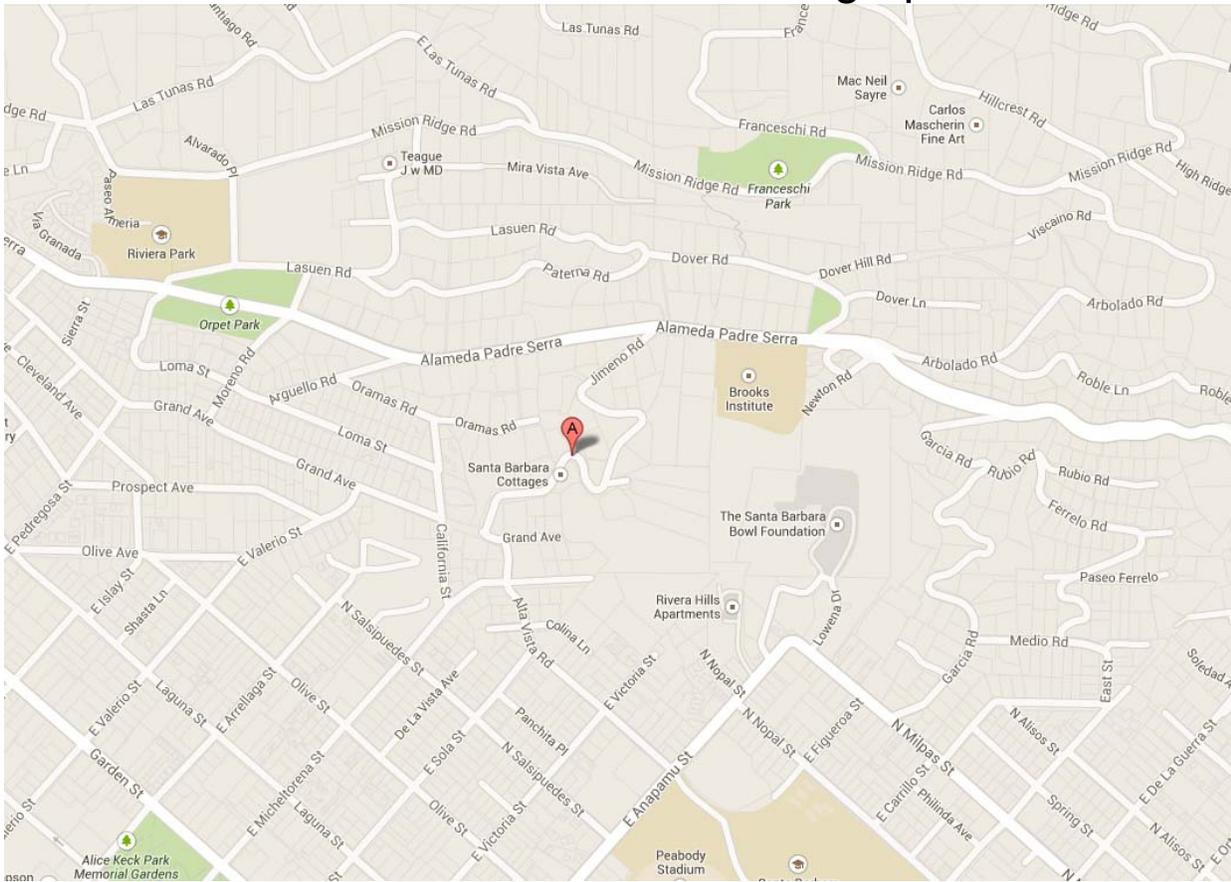
Lash's final repair cost of \$33,048.63 is based on the typical time and material billing method for Emergency Purchase Order construction contracts. This amount is below an initial Engineering Division staff estimate of up to \$50,000.

**BUDGET/FINANCIAL INFORMATION:**

There are sufficient funds in the Streets Fund to cover the cost of this Emergency Purchase Order.

**ATTACHMENT(S):** Site Location and Photographs  
**PREPARED BY:** John Ewasiuk, Principal Civil Engineer/BD/sk  
**SUBMITTED BY:** Christine F. Andersen, Public Works Director  
**APPROVED BY:** City Administrator's Office

# Site Location and Photographs



Site Location



Location Prior to Construction



Removed Section of Rusted Corrugated Metal



Excavation Prior to Storm Drain Replacement (Looking Upstream)



Section of New 24-inch Corrugated High Density Polyethylene



Site Location Following Construction