



BOARD OF SUPERVISORS  
AGENDA LETTER

Agenda Number:

Clerk of the Board of Supervisors  
105 E. Anapamu Street, Suite 407  
Santa Barbara, CA 93101  
(805) 568-2240

**Department Name:** Public Works/Lag San  
**Department No.:** 054  
**For Agenda Of:** 4/5/2016  
**Placement:** Administrative  
**Estimated Tme:**  
**Continued Item:** No  
**If Yes, date from:**  
**Vote Required:** Majority

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**TO:** Board of Directors, Laguna County Sanitation District

**FROM:** Department Scott D. McGolpin, P.E., Director, 568-3010  
Director(s)

Contact Info: Mark A. Schleich, P.E. , Deputy Director, 882-3605

**SUBJECT:** Amendment No. 1 to Professional Services Agreement with Carollo Engineers, Incorporated for Design of Laguna County Sanitation District Plant Upgrades – Third and Fourth Supervisorial District

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**County Counsel Concurrence**

As to form: Yes

Other Concurrence: Risk Management

As to form: Yes

**Auditor-Controller Concurrence**

As to form: Yes

**Recommended Actions:**

- a) Approve and authorize the Chair to execute Amendment No. 1 to the agreement with Carollo Engineers, Incorporated in the amount of \$38,791;
- b) Authorize the Public Works Director, or designee, to approve agreement amendments for the remaining contingency amount of \$111,209; and
- c) Find that the proposed action does not constitute a “Project” within the meaning of the California Environmental Quality Act, pursuant to 14 CCR 15378 (b)(5), in that it is a government administrative activity that will not result in direct or indirect changes in the environment.

**Summary Text:**

The agreement with Carollo Engineers, Incorporated (not a local vendor) for the design of the Laguna County Sanitation District wastewater reclamation plant upgrade to replace aged and inadequate equipment and processes was approved by your Board on September 22, 2015. That action also approved a recommendation to authorize a contingency in the amount of \$150,000 for additional engineering work. At this time an electrical system study (safety arc-flash study) is required. This action requests your Board approve this amendment in the amount of \$38,791 and requests that the

Public Works Director, or designee, be authorized to approve amendments for additional engineering services up to the remaining contingency amount of \$111,209.

**Background:**

Carollo Engineers, Incorporated was awarded an agreement on September 22, 2015 to provide engineering services to prepare the plans, specifications and estimates for an upgrade to the Laguna County Sanitation District wastewater reclamation plant. The upgrade project replaces equipment and treatment processes determined to not meet future needs based on useful lives, function, and improvements needed to address regulatory criteria, efficiency, waste flow volumes and loading, and treatment and discharge needs.

Design efforts to date have included the assessment of existing and proposed electrical loads to run existing and proposed plant features. Carollo also reviewed the existing arc-flash study and arc-flash hazard signage/labeling, which were developed in 2012 in order to achieve compliance with US Department of Labor Occupational Safety and Health Administration Standard 1910.132(d) and Section 110.16 of the National Electrical Code. This review showed that the current calculations for arc-flash incident energy levels and associated arc-flash hazard labels became outdated when the recently installed backup generators were installed. Therefore, a new arc-flash study in addition to a short circuit fault current study and protective device coordination study is proposed. The result will include revised safety labeling for existing equipment.

The cost for this work is \$38,791. The board action of September 22, 2015 awarding the professional services agreement to Carollo Engineers, Incorporated included the approval of a contingency of \$150,000 for additional engineering services. This action approves this amendment and authorizes the Public Works Director, or designee, to approve future amendments within the remaining \$111,209 contingency amount.

**Performance Measure:**

The electrical studies associated with this action are to ensure safety and to size electrical systems.

**Fiscal and Facilities Impacts:**

Budgeted: Yes

**Fiscal Analysis:**

<u>Funding Sources</u>	<u>Current FY Cost:</u>	<u>Annualized On-going Cost:</u>	<u>Total One-Time Project Cost</u>
General Fund			
State			
Federal			
Fees			
LCSD Enterprise Fund	\$ -		
Total	\$ -	\$ -	\$ -

**Special Instructions:**

Retain one original Amendment No. 1 for the Clerk of the Board records and return the other two to the Laguna County Sanitation District office, attention Martin Wilder.

**Attachments:**

Attachment A: three (3) originals Agreements.

**Authored by:**

Martin Wilder, P.E., Manager

**Copy:**

Colleen Hankins

Mark Paul