

**Rebuild the Inflow Rip Rap at Lauro Reservoir  
(2013-C-15)**

**Project Ranking**  
67%

**Total Estimated Cost:** \$200,000



**Background**

The inflow into Lauro Reservoir from the South Coast Conduit commences with water flow on a channel composed of rip rap rock installed to slow and aerate the inflow of water and prevent erosion to reservoir side walls. The rip rap structure is composed of rock and concrete and is designed to prevent scour or erosion of the adjacent side walls.

**Need for Project**

The lower portion of the rip rap apron has been undermined across the base of the reservoir. The rip rap apron measures approximately twenty-five feet in length and is in need of repair. Without repair of the apron, water flow will erode the embankment and the base of the channel will become unable to support the rip rap structure. Loss of the rip rap would make the inflow structure unable to fulfill its required function.

**Description**

A structural engineering firm would conduct an evaluation to determine an appropriate repair to maintain the essential support and integrity of the rip rap channel. The reservoir would need to be lowered to accommodate inspections and repairs.

Phase I (Fiscal Year 2018-19): Engineering and Construction

**Regulatory Compliance**

N/A

**Budget & Schedule**

**Internal Staff Estimate**

<b>Fiscal Year</b>	<b>Cost</b>
2018-19	\$200,000
<b>Total</b>	<b>\$200,000</b>