

**Inspect Interior of:**

- Ortega Outlet Pipe (2013-2-20)
- Sheffield Tunnel Pipe (2001-2-28)
- Lauro Dam Pipe (2001-2-10)
- Carpinteria Control Station (2013-2-39)

**Project Ranking**  
71%

**Total Estimated Cost:** \$142,000



**Background**

Under the direction of USBR, the South Coast Conduit (SCC) was completed in the mid-1950s. During its service life, the archives indicate, aside from normal wear and tear, the system appurtenances have exceeded designed life. The USBR requires COMB to perform interior inspections on facilities every six years to determine physical integrity.

**Need for Project**

Because certain system components and appurtenances have exceeded projected useful life, an evaluation should be conducted to ensure system integrity and identify potential performance weaknesses. This inventory and examination will serve as a basis for future IIP development.

**Description**

Contract services would be retained to perform the examination and document current condition and issues requiring attention. It is anticipated entry into the conduit would likely occur through AVAR locations, which would allow the team to move from high points in the line toward the lower spots where blow-off structures exist. The conduit would need to be ventilated safely to ensure safe ingress/egress. This examination would require MU coordinated shutdowns.

The inspection will focus on locations subject to corrosion and wear beginning with the interiors of outlet piping from all reservoirs leading to the control building. Because of the unique structural characteristics of Ortega Reservoir, COMB would contract with an engineering firm with specialized capabilities including structural analysis, video inspections (piping/tunnel), etc. Each inspection would require the contractor to prepare an analysis in a format designed by COMB and coordinated with USBR. Once complete, COMB would submit the plans to USBR for review and approval.

**Regulatory Compliance**

USBR Category 2 recommendation and required to meet SOP requirements.

<b>Budget &amp; Schedule</b>	<b>Internal Staff Estimate</b>
<b>Fiscal Year 2018-19</b>	<b>Cost</b>
Ortega Outlet Pipe	\$ 36,000
Sheffield Tunnel Pipe	\$ 20,000
Lauro Dam Pipe	\$ 12,000
Carpinteria Control Station	\$ 74,000
<b>Total</b>	<b>\$142,000</b>