



# Colorado River Aqueduct Repairs to 3 Siphons

Engineering & Operations Committee

Item 8-6

November 7, 2011

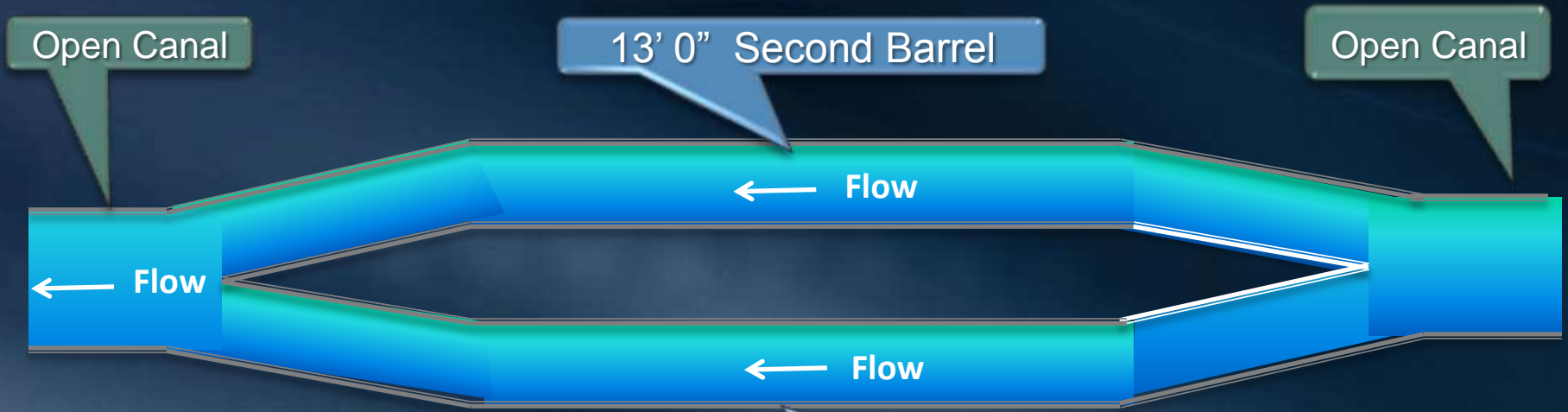
# Current Action

- Appropriate \$2.28 M in budgeted funds
- Award a \$1,784,495 contract to Abhe & Svoboda, Inc. for installation of internal seals at 3 siphons on the CRA

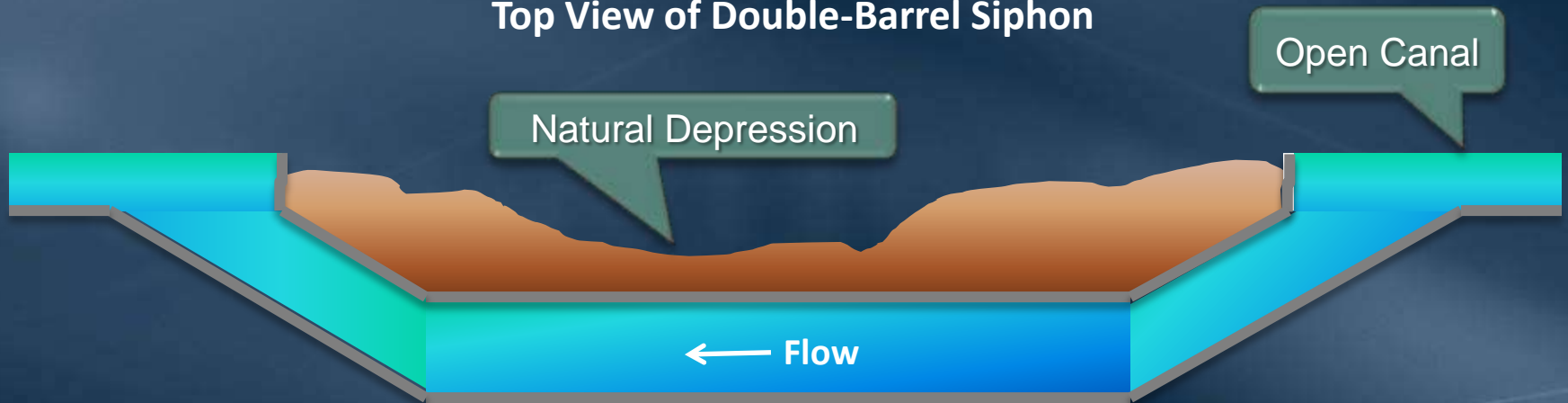
# CRA Location Map



# Layout of CRA Siphons



**Top View of Double-Barrel Siphon**



**Side View of Double-Barrel Siphon**

# Background of CRA Siphons



- No expansion jts. on 1<sup>st</sup> barrel
- Background
  - 2007 Inspection - 50 cracks found
  - 2011 - 15 above-ground leaks discovered
- Repairs needed to enhance reliability

# Scope of Work

- Fabrication of 65 internal seals
- Freda Siphon
  - Installation of 31 internal seals
- Perris Valley Siphon
  - Installation of 20 internal seals
- MM 19.58 Siphon
  - Installation of 14 internal seals
- Localized dewatering of siphons

# Bid Results

Specifications No. 1708

Bids received	September 15, 2011
No. of bidders	8
Low bidder	Abhe & Svoboda, Inc.
Low bid amount	\$1,784,495
High bid amount	\$3,920,000
Engineer's estimate	\$1,683,000
SBE participation*	22%

\*SBE (Small Business Enterprise) participation set at 18%

# Requested Funds

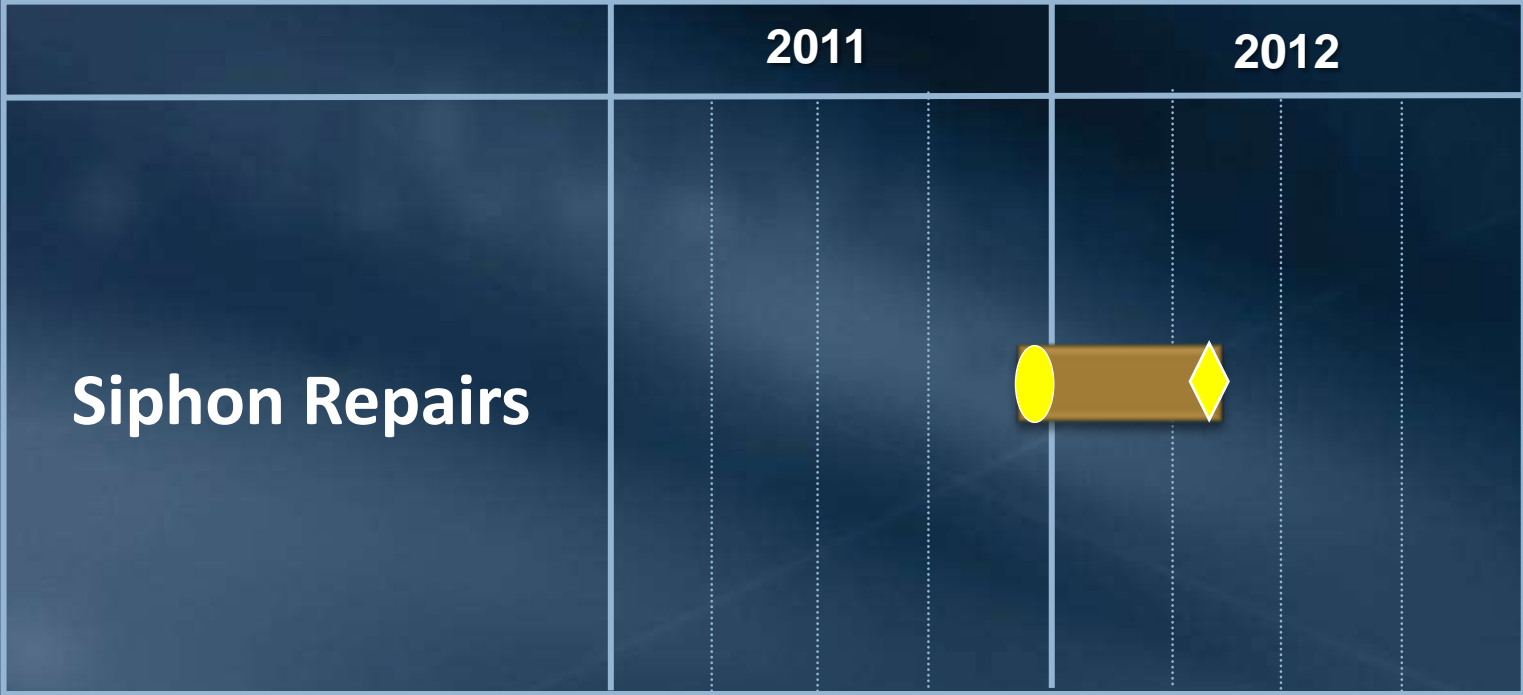
Project mgmt., envir. monitoring	\$ 62,000
Submittal review, record dwgs.	29,000
Const. inspection & support	249,000
Met. force construction	32,000
Equipment use	4,505
Contract	1,784,495
Remaining budget	109,000

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<b>Total</b>	<b>\$2,280,000</b>
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# Project Schedule



 Board Action

 Construction

 Completion of Construction

 Final Design

# Board Options

- Option #1
  - Adopt CEQA determination
  - Appropriate \$2.28 M in budgeted funds
  - Award \$1,784,495 contract to Abhe & Svoboda Inc. to repair cracks at 3 siphons on the Colorado River Aqueduct
- Option #2
  - Do not award construction contract

# Recommendation

- Option #1

