



Colorado River Aqueduct San Jacinto East Adit Repair

Engineering & Operations Committee

Item 7-7

March 12, 2012

Current Action

- Appropriate \$340,000 in budgeted funds
- Authorize
 - Final design for San Jacinto East Adit Repair
 - Amendment to existing agreement with Jacobs Associates

CRA Location Map



Background

- 2003 inspection identified significant cracks
- Annual monitoring
- Cracks continue to expand
- Access limited in 2007
- Preliminary design complete
- Staff recommends final design

Adit Entrance



Scope of Work

- Install steel support frames within adit to resist ground loading and seismic forces
- Encase frames in concrete for corrosion protection
- Construct new concrete floor



Cracks

Steel Support
Frame

Concrete Floor

Final Design Activities

- Conduct survey & geotech investigations
- Prepare plans & specifications
- Develop construction cost estimate
- Competitively bid the project

Final design performed by Jacobs Associates & Metropolitan staff

Professional Agreement

- Jacobs Associates
 - Scope: Final design
 - Specialty tunnel design consultant
 - Competitively selected (RFQ 931)
 - Increase of \$215,000 to existing agreement for new NTE total of \$365,000
 - SBE participation level 18%

Requested Funds

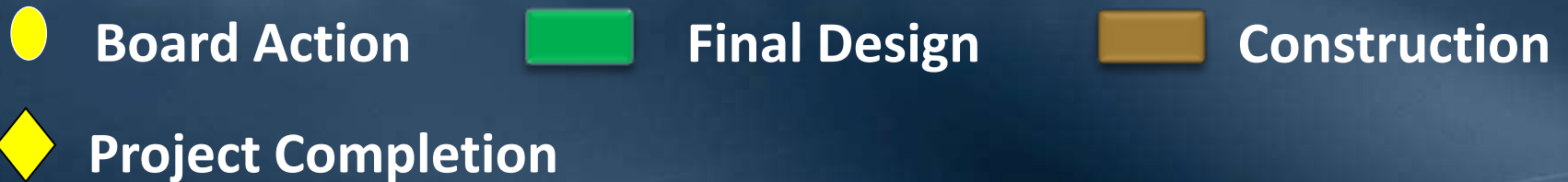
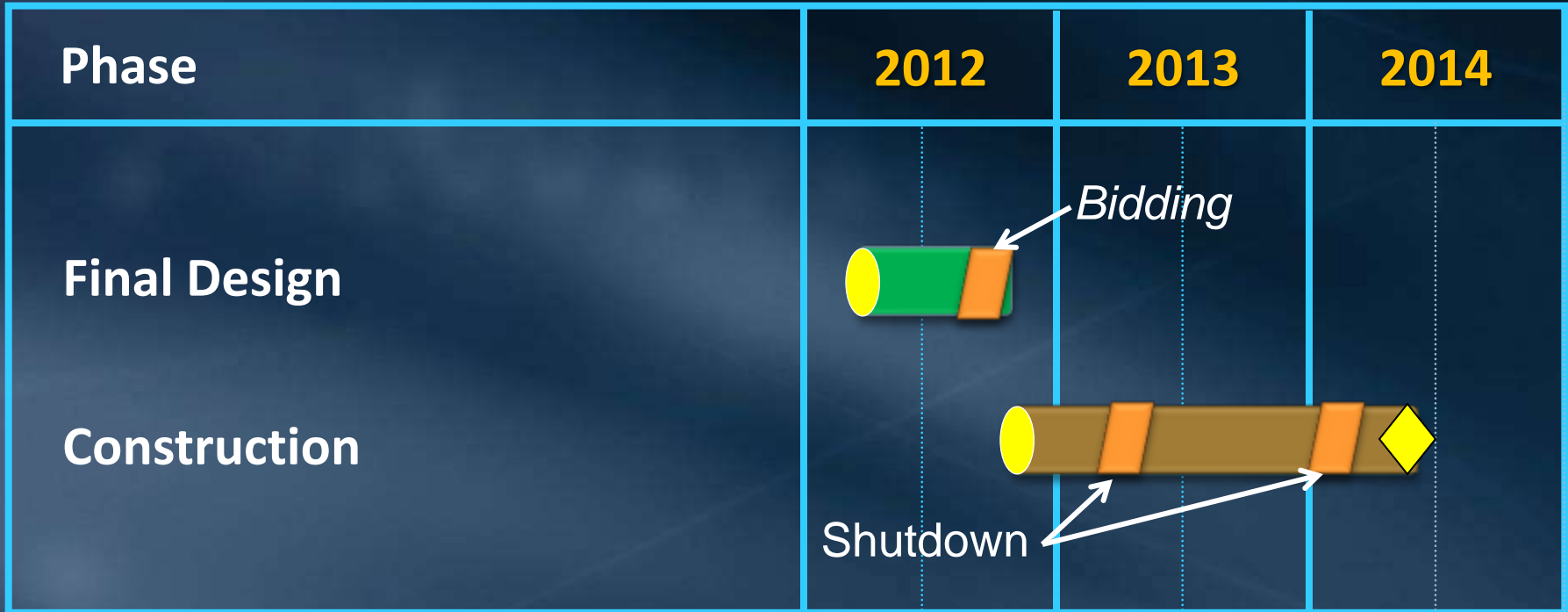
Labor

Final design	\$	47,000
Project mgmt., permits, bidding		49,000
Technical review		29,000
Jacobs Associates		215,000

Total **\$ 340,000**

Range of Construction Costs : \$ 1.5 M - \$ 2.0 M

Project Schedule



Board Options

- Option #1

- Adopt CEQA determination
- Appropriate \$340,000 in budgeted funds
- Authorize final design for repair of San Jacinto Adit
- Authorize \$215,000 increase to existing agreement with Jacobs Associates, for new NTE amount of \$365,000

- Option #2

- Do not proceed at this time

Staff Recommendation

- Option #1

