



Engineering, Operations, & Technology Committee

Colorado River Aqueduct Region Security Improvements

Item 7-2

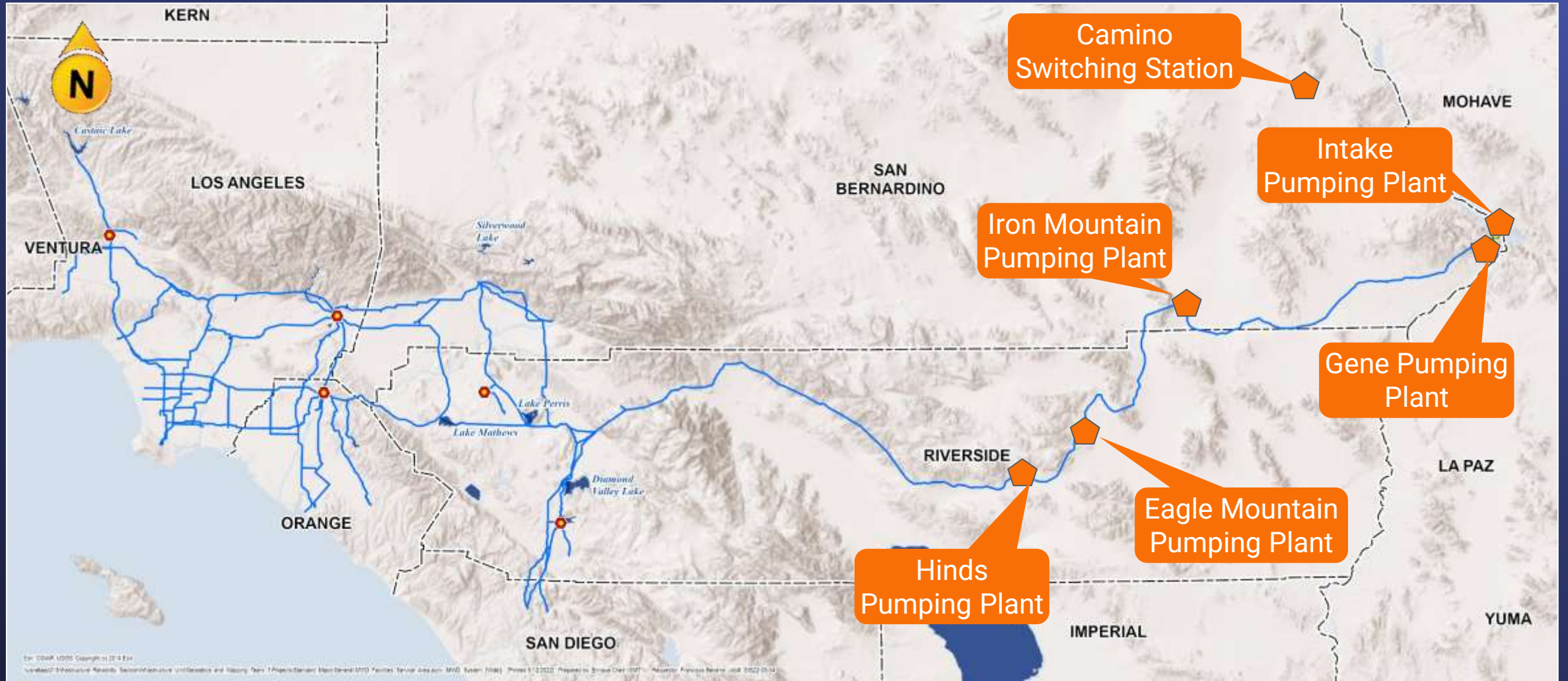
July 10, 2023

CRA Region Security Improvements

Current Action

- Authorize an increase of \$2 million to an agreement with Jacobs Engineering Group Inc. for new not-to-exceed total amount of \$2.65 million for final design of the first stage of security upgrades for the Colorado River Aqueduct Region

Project Location



Background

- Desert facilities constructed in remote locations over 80 years ago
 - Existing security infrastructure needs to be upgraded at six facilities
- Recommended Security Improvements
 - Enhance entry checkpoints & perimeter security at each facility
 - Upgrade security cameras & card readers to meet current security standards



Iron Mountain Pumping Plant



Camino Electrical Switching Station

Approach to Implementation

- Conduct final design in 2 stages
- Stage 1 design activities
 - Installation of cameras, motion detectors & card readers at the 5 pumping plants & Camino Switching Station
 - Improvements to physical security measures at Iron Mtn. pumping plant
 - Perimeter fencing, entry checkpoint, guard station, roadway improvements & signage
- Stage 2 design activities
 - Physical security measures at remaining four pumping plants

CRA Region Security Improvements

Alternatives Considered

- Utilize in-house Metropolitan staff to conduct final design activities
 - Limited availability of staff to conduct work
 - Work requires specialized technical expertise
- Selected Alternative – Use consultant to develop final design
 - Consultant retained for security expertise
 - Metropolitan staff to provide technical input

Jacobs Engineering Group Inc. Agreement



Guard Station (Example)



Crash-rated Gate (Example)

- Prequalified under RFQ 1215
 - Completed preliminary design
- Scope of Work:
 - Develop final design drawings & specifications
 - Prepare cost estimate
 - Permitting & bidding support
- Amendment amount: \$2,000,000
- NTE amount: \$2,650,000
- SBE participation level: 10%

CRA Region
Security
Improvements

Metropolitan – Scope of Work

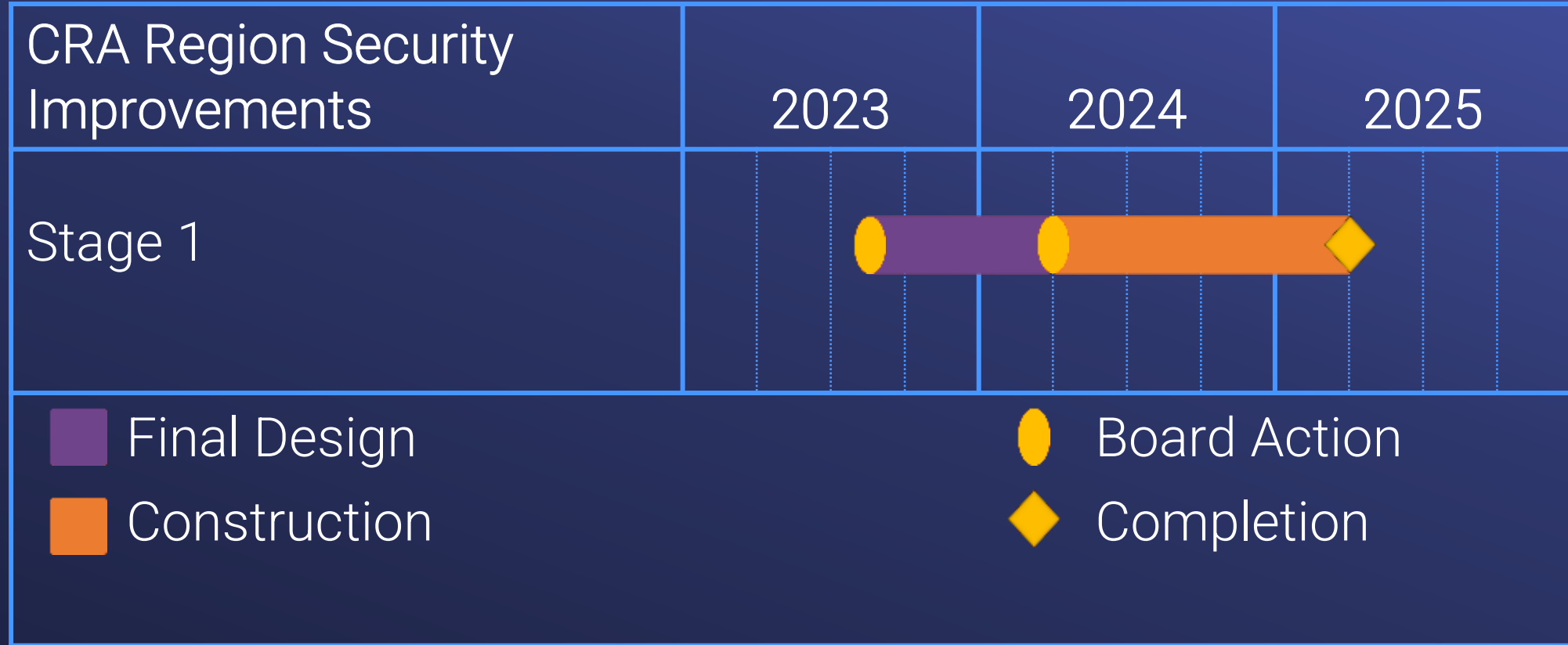
- Perform site survey & mapping
- Provide technical input & review consultant design work
- Conduct constructability review & support activities
- Perform project management & environmental assessment oversight

Allocation of Funds

CRA Region Security Improvements

Metropolitan Labor	
Final Design	\$ 273,000
Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)	417,000
Professional/Technical Services	
Jacobs Engineering Group Inc.	2,000,000
SoCal Bio Environmental LLC	15,000
Geotechnical Services Consultant	50,000
Constructability Consultant	75,000
Remaining Budget	470,000
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	Total \$ 3,300,000

Project Schedule



Board Options

- Option #1

Authorize an increase of \$2 million to an existing agreement with Jacobs Engineering Group Inc., for a new not-to-exceed amount of \$2.65 million for final design of the first stage of security upgrades at all five CRA pumping plants and the Camino Electrical Switching Station.

- Option #2

Do not proceed with the project at this time.

Staff Recommendation

- Option #1

