



Engineering, Operations, & Technology Committee

Security Systems Improvements

Item 7-3

January 8, 2024

Item 7-3

Security System Improvements

Subject

Authorize agreements with Jacobs Engineering Group Inc. and Brown and Caldwell for design of security system improvements at several facilities throughout Metropolitan's Distribution System

Purpose

Safeguard Metropolitan's critical infrastructure and personnel

Recommendation and Fiscal Impact

Authorize agreements with Jacobs Engineering Group Inc. and Brown and Caldwell

Fiscal impact \$7.55 million

Budgeted

Security System Improvements

Background

- Federal security standards require security systems at Metropolitan facilities
- Comprehensive assessment identified the need for enhancements at several locations
- Planned scope of improvements
 - Video surveillance systems
 - Intrusion detection systems

Security System Improvements

Alternatives Considered

- Utilize Metropolitan staff
 - Assess current workload
 - Assess relative priority of projects
- Selected Alternative – Use consultant services
 - Specialized expertise
 - Will allow for timely & efficient completion of design activities

Security System Improvements

Jacobs Engineering Group Inc. – Agreement

- Prequalified via RFQ No. 1305
- Scope of Work - Weymouth, Diemer, & Skinner Plants
 - Detailed field investigation
 - Evaluate equipment alternatives
 - Develop design & equipment criteria
 - Prepare contract documents & construction cost estimate
 - Design support during advertisement phase
- NTE amount: \$3,425,000
- SBE participation level: 25%

Security System Improvements

Brown and Caldwell – Agreement

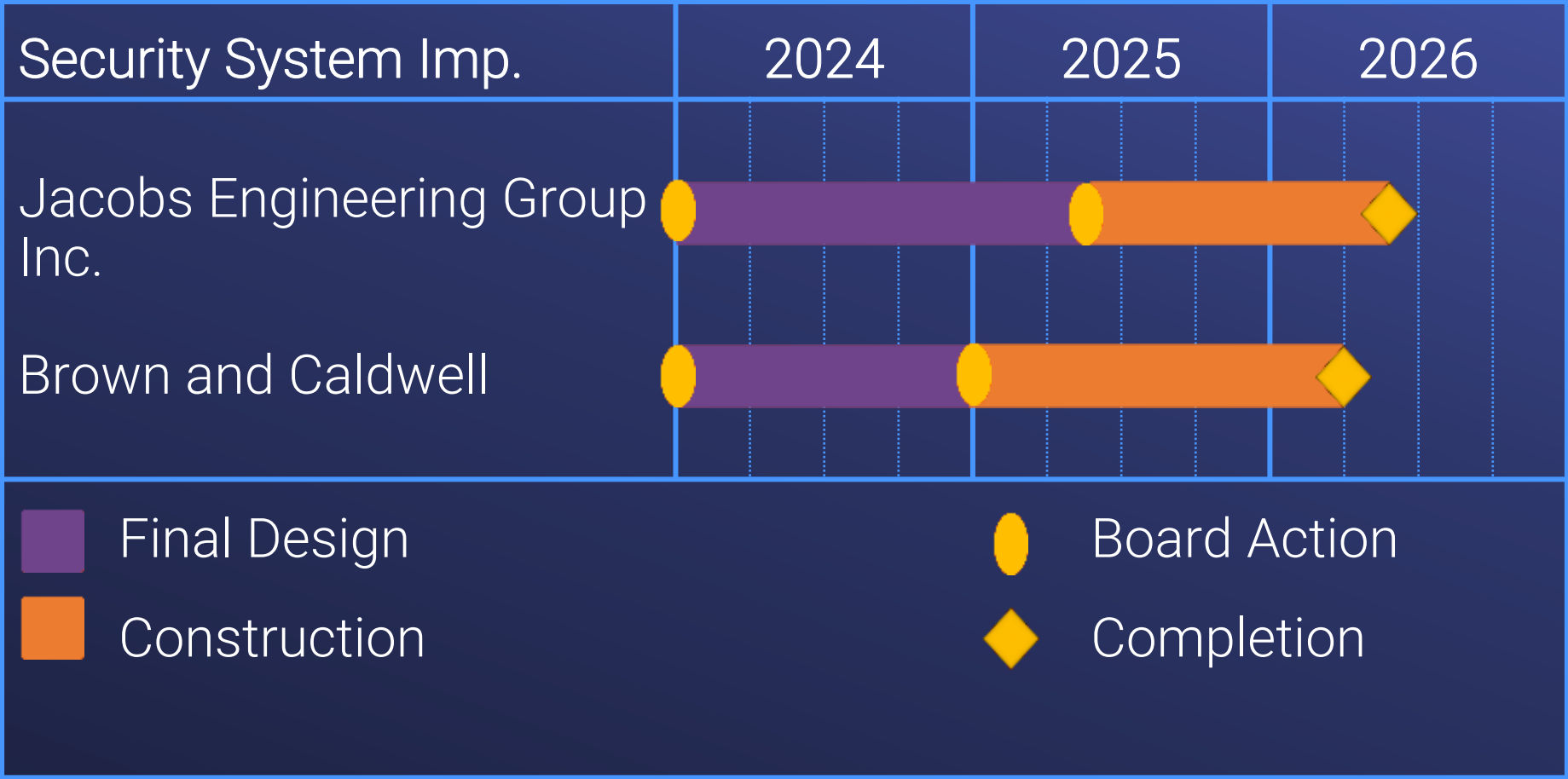
- Prequalified via RFQ No. 1305
- Scope of Work – Mills Plant & 10 HEP/PCS facilities
 - Detailed field investigation
 - Evaluate equipment alternatives
 - Develop design & equipment criteria
 - Prepare contract documents & construction cost estimate
 - Design support during advertisement phase
- NTE amount: \$2,260,000
- SBE participation level: 25%

Allocation of Funds

Security System Improvements

| | |
|---|--------------|
| Metropolitan Labor | |
| Final Design | \$ 581,000 |
| Owner Costs (Proj. Mgmt., Envir. Support) | 1,007,000 |
| Professional/Technical Services | |
| Brown and Caldwell | 2,260,000 |
| Jacobs Engineering Group Inc. | 3,425,000 |
| Remaining Budget | 277,000 |
| <hr/> | |
| Total | \$ 7,550,000 |

Project Schedule



Board Options

- Option #1
 - a. Authorize an agreement with Jacobs Engineering Group Inc. in an amount not to exceed \$3.425 million for design of security system improvements at three water treatment plants; and
 - b. Authorize an agreement with Brown and Caldwell in an amount not to exceed \$2.26 million for design of security system improvements at one water treatment plant and several HEPs and PCSs.
- Option #2

Do not proceed with the project at this time.

Staff Recommendation

- Option#1

