



Engineering & Operations Committee

Professional Services Agreements for Engineering Services

Item 7-4

October 10, 2022

Professional Services Agreements for Engineering Services

Current Action

- Authorize on-call agreements in amounts not to exceed \$10 million each, for a maximum of five years for engineering services
 - Brown and Caldwell
 - CDM Smith, Inc.
 - Carollo Engineers
 - Jacobs Engineering Group, Inc.
 - Parsons Transportation Group

Professional Services Agreements for Engineering Services

Staffing Strategy for Capital Programs

- Rely on in-house labor to fullest extent possible
- Use consultants:
 - When capital resource needs exceed available staffing
 - For specialized technical expertise/skills
 - For independent/3rd party review
- Planned CIP expenditures for current biennium—\$600M
- Funding available within Metropolitan capital expenditure plan
 - Work is not guaranteed to consultants

Professional Services Agreements for Engineering Services

Professional Services Agreements

- On-Call Agreements
 - Typically utilized for shorter-term assignments, urgent projects, etc.
 - Allows for flexibility, expedited project delivery
- Project Specific Agreements
 - Required for projects over extended duration, or larger project scopes
 - Approved individually by the Board over \$250K

Professional Services Agreements for Engineering Services

Example Projects

- Treatment Plant Facilities
 - Chemical storage & feed system upgrades
 - Washwater reclamation plant improvements



Chemical Storage &
Feed Facility Upgrades



Washwater Reclamation Plant
Rehabilitation

Professional Services Agreements for Engineering Services

Example Projects

- Storage & Distribution Facilities
 - Pressure control structure upgrades
 - Pipeline & valve improvements
- Finished Water Reservoirs
 - Floating cover & liner replacements



Reservoir Rehabilitation



2.4kV Switchgear Replacement

Professional Services Agreements for Engineering Services

Request for Qualifications (RFQ) 1305

- Issued March 2022 to establish pool of qualified firms
 - 21 firms responded; all firms were determined to be qualified
 - Five firms recommended for agreements at this time
- Covered services in four categories:
 - Water treatment facilities
 - Conveyance & distribution facilities
 - Large rotating equipment
 - Power distribution
- Services to be provided include:
 - Planning, conceptual, preliminary & final designs
 - Specialized technical analyses
 - Support during bid, advertisement & construction
 - SBE participation level – 25% of agreement amount

Professional Services Agreements for Engineering Services

Alternatives Considered

- Utilize on-call agreements as typically structured
 - Yearly annual limit
 - May require pausing consultant support if annual expenditure limit reached
- Selected Alternative – on-call agreements with a maximum expenditure for the term
 - Allows timely completion of work
 - Lowers administrative costs

Board Options

- Option #1

Authorize on-call agreements with Brown and Caldwell, CDM Smith, Inc., Carollo Engineers, Inc., Jacobs Engineering Group, Inc., and Parsons Transportation Group, in amounts not to exceed \$10 million each, for a maximum period of five years for engineering services.

- Option #2

Do not authorize the consulting agreements at this time.

Staff Recommendation

- Option #1

