



Engineering & Operations Committee

Professional Services Agreements for Construction Management and Inspection Services

Item 7-5

October 10, 2022

Professional Services Agreements for Construction Management Services

Current Action

- Authorize on-call agreements with MARRS Services, Inc., Butier Engineering, Inc., and Berg & Associates, Inc., in amounts not to exceed \$6.7 million, \$4.4 million, and \$3.5 million, respectively, for construction management and inspection services

Construction Management

- Five teams
- Staff of fifty inspectors, engineers, & administrative support staff



Weymouth - ORP



Managers



Fabrication Inspection



Materials Testing

Construction Management Involved in All Project Phases

- Planning & Design
 - Constructability review
- Advertisement & Contract Award
 - Pre-bid conference
 - Pre-construction meeting
- Construction
 - On-site contract administration
 - On-site inspection & testing
 - Off-site fabrication inspection
- Warranty & Legal Support



Second Lower Feeder – PCCP Rehabilitation

Professional Services Agreements for Construction Management 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 – \$600M for current biennium

Professional Services Agreements for Construction Management Services

Professional Services Agreements

- Project Specific Agreements
 - Required for projects with extended duration, or larger project scopes
 - Approved individually by the Board over \$250K
- On-Call Agreements
 - Typically utilized for shorter-term assignments, urgent projects, etc.
 - Allows for flexibility, expedited project delivery
- Funding available within Metropolitan capital expenditure plan
 - Work is not guaranteed to consultants

Professional Services Agreements for Construction Management Services

Alternatives Considered

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

Professional Services Agreements for Construction Management Services

Example Projects

- Western Region Projects
 - Second Lower Feeder Reach 3B PCCP Rehabilitation
- Sepulveda Feeder PCCP Rehabilitation



PCCP Rehabilitation

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Example Projects

- PCCP & Pipeline Projects
 - Orange County Feeder Relining
 - Etiwanda Pipeline Relining



Pipeline Projects

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Example Projects

- Colorado River Aqueduct Projects
 - CRA transformer procurement
 - CRA conduit structural protection
 - Copper Basin discharge valve replacement



Transformers

Engineering & Operations Committee



Copper Basin Discharge Valve

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Professional Services Agreements for Construction Management Services

Request for Proposals (RFPs)

- Issued to the pool of qualified firms in 2022
 - Six firms responded
 - Three firms selected for agreements at this time
- Covered services in 3 categories:
 - Western region projects (RFP 1304)
 - PCCP & pipeline rehabilitation (RFP 1306)
 - Desert region (CRA) projects (RFP 1319)
- Services to be provided include:
 - Construction inspection
 - On-site contract administration
- SBE participation level – 25% of agreement amount

Board Options

- Option #1

Authorize on-call agreements with: (1) MARRS Services, Inc. in an amount not to exceed \$6.7 million; (2) Butier Engineering, Inc. in an amount not to exceed \$4.4 million; and (3) Berg & Associates, Inc. in an amount not to exceed \$3.5 million for construction management and inspection services, each with a duration of three years.

- Option #2

Do not authorize the consulting agreements at this time.

Staff Recommendation

- Option #1

