

**Engineering & Operations Committee** 

# Professional Services Agreements for Construction Management and Inspection Services

Item 7-5 October 10, 2022

#### **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

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#### 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

### 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

- 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

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

### **Example Projects**

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



PCCP Rehabilitation

### **Example Projects**

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



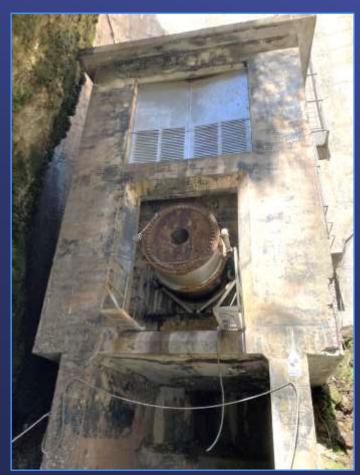
Pipeline Projects

### **Example Projects**

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



Transformers
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Copper Basin Discharge Valve

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# 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

