



Engineering, Operations, & Technology Committee

Agreements for Geotechnical Engineering Services

Item 7-5

March 13, 2023

Professional Services Agreements – Geotechnical Engineering Services

Current Action

- Authorize on-call agreements in amounts not to exceed \$3 million each, for a maximum of five years for engineering services
 - Fugro USA Land, Inc.
 - GeoPentech, Inc.
 - Geosyntec Consultants, Inc.
 - Kleinfelder West, Inc.

Professional
Services
Agreements –
Geotechnical
Engineering
Services

Staffing Strategy for Capital and O&M 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's capital expenditure plan
 - Work is not guaranteed to consultants

Professional Services Agreements – Geotechnical 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

Example Projects

- Geotechnical Engineering & Design
 - Water Treatment Plants
 - Storage & Distribution Facilities

Professional
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Weymouth Admin Building
Seismic Upgrades



PCCP Rehabilitation Program

Example Projects (continuation)

Professional Services Agreements – Geotechnical Engineering Services



Diemer Basin 8 Slope Stability



Inland Feeder Surge Protection Facility



Water Quality Lab
Upgrades



DVL Wave Attenuator
Replacement

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Request for Qualifications (RFQ) 1316

- Issued April 2022 for on-call services
- Total of 12 firms responded
 - 11 firms pre-qualified for geotechnical engineering
- Four firms recommended for geotechnical engineering services

Professional Services Agreements – Geotechnical 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

Professional Services Agreements – Geotechnical Engineering Services

Agreements

- New on-call agreements for four pre-qualified firms for geotechnical engineering services
- Not-to-exceed amount of \$3 M per agreement
- Maximum duration of each agreement is five years
- Services to be provided include:
 - Field investigations & laboratory testing
 - Geotechnical analysis & recommendations
 - Geologic & seismic hazard evaluations
 - Hydrogeological & groundwater evaluations
- SBE participation: 25% of agreement amount

Board Options

- Option #1
 - Authorize on-call agreements with Fugro USA Land, Inc., GeoPentech, Inc., Geosyntec Consultants, Inc., and Kleinfelder West, Inc., in amounts not to exceed \$3 million each, for a maximum period of five years for geotechnical engineering services.
- Option #2
 - Do not authorize the consulting agreements at this time.

Staff Recommendation

- Option #1

