

PERSONAL SERVICES CONTRACT SUMMARY ("PSC FORM 1")

Department: PUBLIC UTILITIES COMMISSION

Dept. Code: PUC

Type of Request: Initial Modification of an existing PSC (PSC # 44782 - 20/21)

Type of Approval: Expedited Regular Annual Continuing (Omit Posting)

Type of Service: Engineering Design Services for underground structures, including trenchless design (PRO.0164)

Funding Source: Sewer System Improvement Program

PSC Original Approved Amount: \$7,500,000 PSC Original Approved Duration: 05/10/21 - 05/09/27 (6 years)

PSC Mod#1 Amount: \$2,000,000 PSC Mod#1 Duration: 01/02/24-11/19/27 (27 weeks 5 days)

PSC Mod#2 Amount: \$8,300,000 PSC Mod#2 Duration: 06/06/24-11/19/30 (3 years 1 day)

PSC Cumulative Amount Proposed: \$17,800,000 PSC Cumulative Duration Proposed: 9 years 27 weeks

1. Description of Work

A. Scope of Work/Services to be Contracted Out:

PSC 49277-19/20 was approved by the Civil Service Commission on October 21, 2019 for the scope of work in this request. PSC 49277-19/20 expired on October 21, 2020, before execution of SFPUC Contract PRO-0164. This request will allow the SFPUC to complete the execution of Contract PRO.0164.

The primary objective of the project is to reduce flooding for Lower Alemany area. The scope of proposed work will consist of engineering planning, design, and construction support for San Francisco Public Utilities Commission (SFPUC) Lower Alemany Area Stormwater Improvement Project. This includes large diameter pipes and structures on deep foundations, launching and receiving shafts, and all related site investigation work (e.g. geotechnical and hazardous materials.)

B. Explain why this service is necessary and the consequence of denial:

The Lower Alemany area is in the Islais Creek watershed of the City. It historically has flooded in large storm events due to several hydrologic and hydraulic factors and does not meet the City's Sewer System Improvement Program Level of Service (SSIP LOS). The existing sewer along Alemany Blvd. mirrors the historical drainage path for the Islais Creek drainage basin, which once connected Upper Islais Creek to the San Francisco Bay through a series of wetlands. As the area become urbanized, overland flows were diverted from the wetlands to the combined sewer system and conveyed through pipes to the transport storage system for treatment and discharge to San Francisco Bay. The location where Alemany Blvd. meets the US 101 freeway sits in a naturally low-lying area that once served as the receiving water body for the watershed drainage. Due to this naturally occurring low-lying area, any water that cannot enter the combined sewer system will pond in the area, causing a potential flood risk to properties and people in the area. To reduce flooding, various alternatives are being explored to increase 1.5 miles of conveyance capacity of the existing sewer system by constructing a new auxiliary sewer which includes: tunnels, large diameter pipes, rectangular box sewers, and underground detention structures. If this work is not performed, the Lower Alemany area flooding can not be reduced.

C. Has this service been provided in the past? If so, how? If the service was provided under a previous PSC, attach copy of the most recently approved PSC.

Services have been provided in the past through earlier PSC request. See 44782 - 20/21

D. Will the contract(s) be renewed?

No.

- E. If this is a request for a new PSC in excess of five years, or if your request is to extend (modify) an existing PSC by another five years, please explain why:
The duration of the project from planning, design, construction, and project closeout will take approximately 6 years, due to complexity of design, various existing underground utilities that need to be relocated, and major traffic impact during construction along Alemany Blvd and Bayshore area.

2. Reason(s) for the Request

A. Display all that apply

- Short-term or capital projects requiring diverse skills, expertise and/or knowledge.
- Services required on an as-needed, intermittent, or periodic basis (e.g., peaks in workload).

Explain the qualifying circumstances:

This project requires specialized skills, expertise and knowledge to complete the work. The SFPUC will provide project engineer(s) to lead, coordinate and oversee consulting engineers. In addition, the PUC project engineer(s) will ensure the project meets SFPUC-Infrastructure standards and procedures.

B. Reason for the request for modification:

The Lower Alemany Area Stormwater Improvement Project requires additional engineering services for the project during detail design. Those services include additional elevated shoofly design, structural modeling and analysis to existing bridges and soil-structure interaction modeling.

3. Description of Required Skills/Expertise

- A. Specify required skills and/or expertise: Highly specialized expertise is required to assist City staff to provide planning and engineering design services for large diameter sewer structures, tunnels and underground detention structures in Seismic Zone 4 with high water table/soft soil area, including associated comprehensive geotechnical and hazardous material investigations, seismicity, soil-structure interaction analysis and advanced numerical modeling.
- B. Which, if any, civil service class(es) normally perform(s) this work? 5207, Assoc Engineer; 5211, Eng/Arch/Landscape Arch Sr; 5212, Engineer/Architect Principal; 5241, Engineer;
- C. Will contractor provide facilities and/or equipment not currently possessed by the City? If so, explain: Yes, drilling and other equipment for geotechnical/hazardous material investigation and seismic refraction tests that will be required.

4. If applicable, what efforts has the department made to obtain these services through available resources within the City?

Not Applicable

5. Why Civil Service Employees Cannot Perform the Services to be Contracted Out

- A. Explain why civil service classes are not applicable.
Typically, design and construction of large tunnels and underground structures occurs infrequently and requires extensive engineering experience as compared with other civil engineering work in the City. There is no reliable continuous, long-term City employees for these specialized tunnel engineering services. Note that this project will be performed jointly between City and consultant staff.
- B. If there is no civil service class that could perform the work, would it be practical and/or feasible to adopt a new civil service class to perform this work? Explain: No, there is insufficient continuous long-term workload to support the staffing of these types of designs.

6. Additional Information

- A. Will the contractor directly supervise City and County employee? If so, please include an explanation.
No.

- B. Will the contractor train City and County employees and/or is there a transfer of knowledge component that will be included in the contract? If so, please explain what that will entail; if not, explain why not.
Yes. To foster the transfer of technical expertise relevant to tunnel design and construction to City staff, this contract will include provisions for consultant-led, in-office training sessions at the SFPUC. Training topics will be determined jointly between Consultant the SFPUC during each phase of work.
- C. Are there legal mandates requiring the use of contractual services?
No.
- D. Are there federal or state grant requirements regarding the use of contractual services? If so, please explain and include an excerpt or copy of any such applicable requirement.
No.
- E. Has a board or commission determined that contracting is the most effective way to provide this service? If so, please explain and include a copy of the board or commission action.
No.
- F. Will the proposed work be completed by a contractor that has a current PSC contract with your department? If so, please explain.
No.

7. Union Notification: On 06/06/24, the Department notified the following employee organizations of this PSC/RFP request:
Professional & Tech Engrs, Local 21; Prof & Tech Eng, Local 21; Architect & Engineers, Local 21;

I CERTIFY ON BEHALF OF THE DEPARTMENT THAT THE INFORMATION CONTAINED IN AND ATTACHED TO THIS FORM IS COMPLETE AND ACCURATE:

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FOR DEPARTMENT OF HUMAN RESOURCES USE

PSC# 44782 - 20/21

DHR Analysis/Recommendation:

07/15/2024

Commission Approval Required

Approved by Civil Service Commission with conditions

07/15/2024 DHR Approved for 07/15/2024