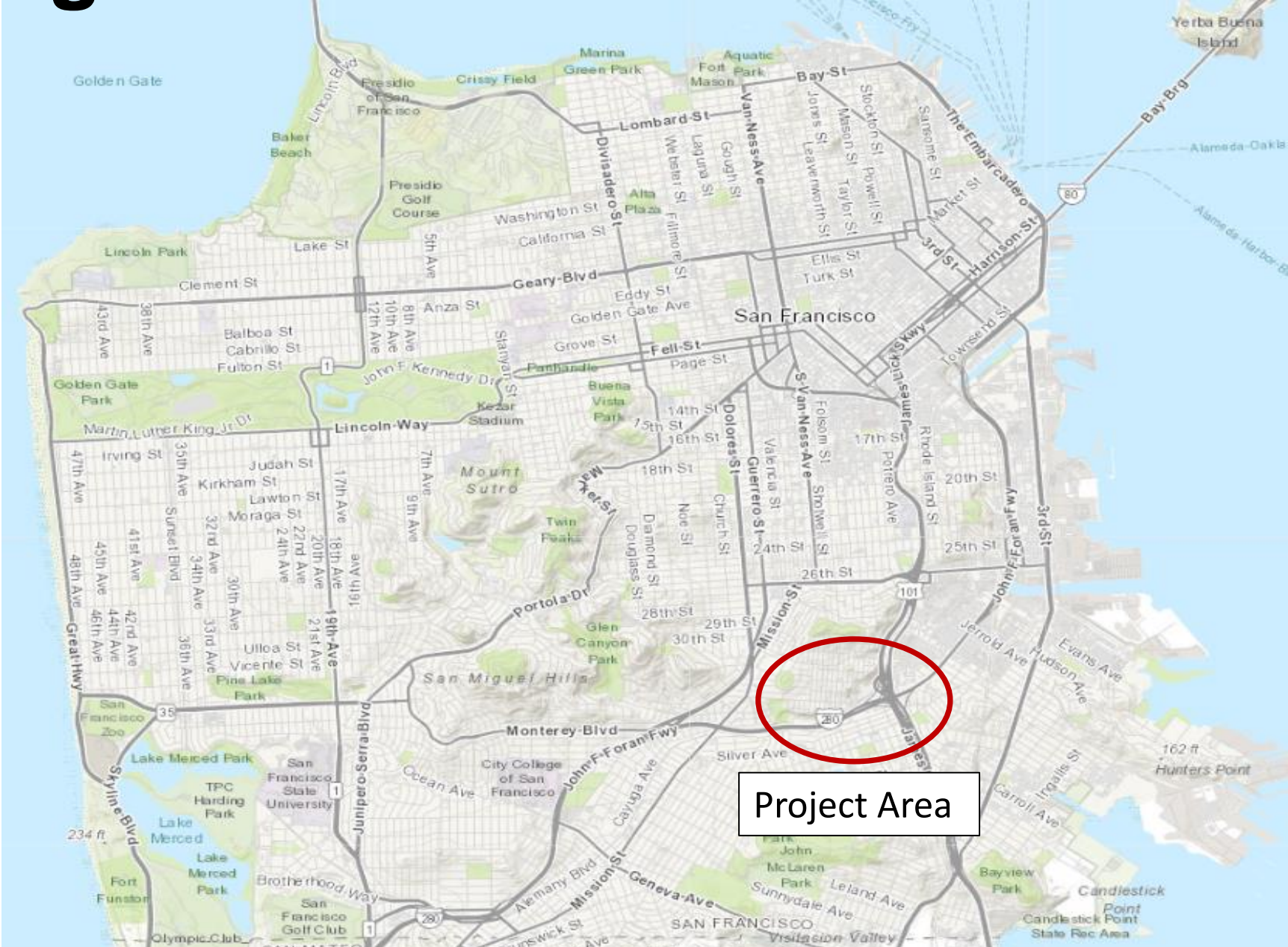




File#:240753 Agreement Amendment - McMillen Jacobs Associates (dba Delve Underground) - Engineering Services for the Lower Alemany Area Stormwater Improvement Project

**San Francisco Budget & Finance Committee
September 4, 2024**

Background



Project Objective

- Manage stormwater at the Alemany area during the SSIP Levels of Services Storm (5-year 3-hour storm) and
- Comply with California Regional Water Quality Board Cleanup and Abatement Order R2-2021-0021.

Project Scope Overview

The proposed project scope is to design and construct:

1. 1.2-miles of 10-foot diameter tunnel
2. 1000 ft of 13-foot wide by 7-foot high large box sewer
3. Connect to existing large box sewer



Caltrans Encroachment

Project and Caltrans Interface Locations

A : Shoofly

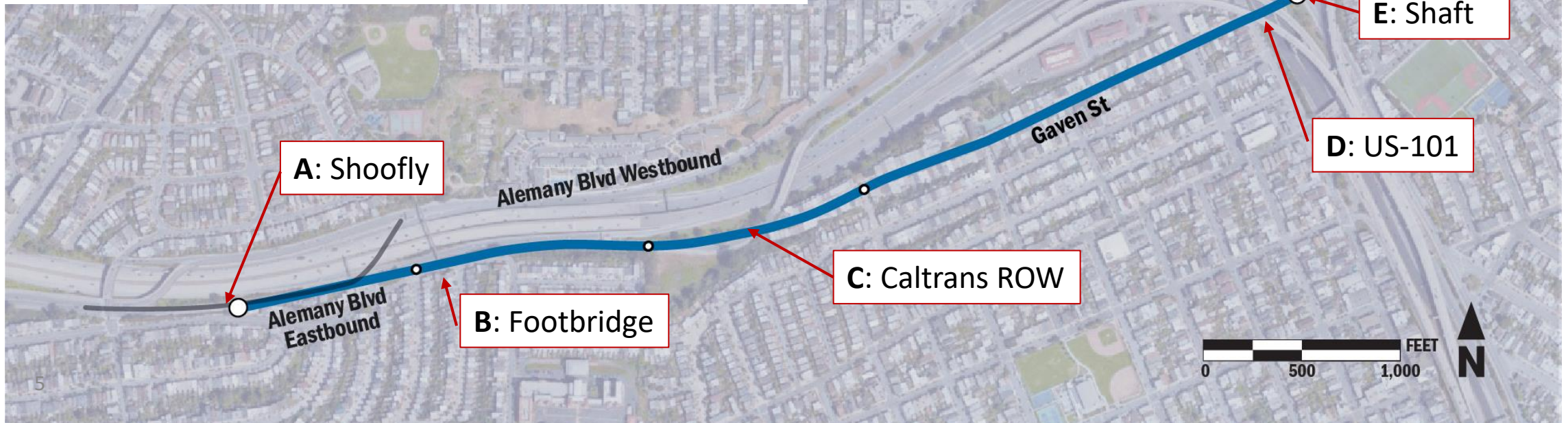
B : Tunnel under St Mary's Park Footbridge

C : Tunnel within Caltrans ROW

D : Tunnel under US-101

E : Tunnel launching shaft and staging area

F : Tunnel under I-280



Contract PRO.0164 Summary

Amendment No.	Budget (increase)	Time (increase)
Original	\$7.5 million	6 years
1	\$2.0 million	0
2	\$8.3 million	3 years
Total	\$17.8 million	9 years

PRO.0164 – Original and Amendment 1

- ❖ Advertised: February 2020
- ❖ Original Budget: \$7.5 million for 6 years
- ❖ Status: Project in early planning phase (0% design)
- ❖ Amendment 1 Scope
 - Address traffic impact limitations that resulted in sewer tunnel re-alignment and extension
 - Changes to the new large box sewer re-alignment and relocation
 - Changes to connection structure
 - Address unforeseen defects in existing sewer

Current PRO.0164 – Amendment 2 Request

Task	Budget (increase)
Project Management	\$0.4 million
Engineering Design	\$2.3 million
Environmental and Permit Support	\$2.2 million
Communication and Public Outreach	\$0.1 million
Geotechnical Investigation and Analysis	\$0.2 million
Engineering Support During Construction	\$3.0 million
PRO.0164 Amendment No. 2 Subtotal	\$8.3 million

Current PRO.0164 – Amendment 2 Request

- ❖ Contract Modification requests:
 - \$8.3 million increase with 3-years extension
- ❖ Scope for this request:
 - Caltrans Encroachment Permit Support
 - Caltrans' bridge structure and foundation 3D modeling, calculations and impact analysis
 - Additional soil-structure modeling and stability analysis
 - Technical support for Caltrans permit and certifications
 - Elevated shoofly road design and analysis
 - Engineering Support During Construction



**SEWER
SYSTEM**
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