

Scott A. Walker, PE, GE

Senior Associate

Geotechnical Engineering & Project Management



19 years in the industry ~ 19 years with Langan

Mr. Walker has over 19 years of experience providing project management, engineering analysis, construction observation, and subsurface investigation services for various projects throughout the California and southwestern Montana. His experience includes performing geotechnical services as well as supervision of staff during investigations and construction for schools, hospitals, master plan developments, residential and commercial buildings (including high rise structures), sports facilities, and industrial projects (including bridges, roadways, and utilities).

Mr. Walker has performed engineering analyses to determine settlement behavior of soil under new loading and earthquake shaking, seismic hazards including liquefaction potential and lateral spreading, slope stability and slope strengthening, bearing capacity of foundations, lateral and vertical capacity of deep foundations, and behavior of deep excavations and earth retention systems. His projects have included 1) shoreline stability evaluations and shoreline protection measures, 2) liquefaction evaluation and liquefaction mitigation (including ground improvement and soil stabilization), 3) development and infrastructure over soft bay deposits, settlement estimation, and differential settlement control, 4) construction of earthen dams, 5) construction of roadway bridges and abutments, 6) installation of shear pins and earthen buttresses for stabilization of large-scale landslides, 7) installation of shoring and retaining walls, and 8) the installation and testing of driven piles, drilled piers, auger cast piles, and micropiles.

Selected Projects

Urban Development

- Oceanwide Center Towers, 1st and Mission, – 60 and 65 stories for Office and Residential, San Francisco, CA
- Transbay Block 8, 55-Story Residential Tower, San Francisco, CA
- Transbay Block 9, 42-story Residential Tower, San Francisco, CA
- Uptown Oakland, 2100 Telegraph Avenue, Mixed-Use Development, Oakland, CA
- 1066 Market Street, 12-story Apartment Building, San Francisco, CA
- 12th and Webster Streets, Residential/Mixed-Use Development, Oakland, CA
- 2820 and 2855 Broadway, Residential Mixed-Use Development, Oakland, CA
- 340 Fremont Street, 42-story Residential Tower, San Francisco, CA
- Glassworks Residential, Block N2-Parcel 1, Mission Bay, San Francisco, CA
- Mission Bay 360 Residential Buildings, Blocks 5 & 11, San Francisco, CA
- 1440 Jefferson Street, Renovation and Seismic Retrofit of Historical Buildings, Oakland, CA
- 2 Kaiser Plaza, Office Development, Oakland, CA
- 222 19th Street Tower (up to 42 stories), Oakland, CA

Education

M.S., Geotechnical Engineering,
University of California, Berkeley

B.S., Civil Engineering, California
Polytechnic State University,
San Luis Obispo

Professional Registration

Professional Engineer (PE) in MT, CA

Geotechnical Engineer (GE) in CA

Affiliations

American Society of Civil Engineers,
1993-present

San Francisco Geo Institute
Steering Committee member, 2003-
present, board member 2014-present

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- 425 Market Street Seismic Upgrade, San Francisco, CA

Affordable/Senior Housing

- Alemany Housing Renovation, Affordable Housing, San Francisco, CA
- BRIDGE Housing | 462 Duboce Avenue, San Francisco, CA
- BRIDGE Housing | Transbay 11A at 25 Essex (Rene Cazenave Apartments), San Francisco, CA
- Eddy and Taylor Streets, Affordable Housing, San Francisco, CA
- Islander Motel Upgrade Supportive Housing, Alameda, CA
- Leland Hotel Seismic Strengthening, Affordable Housing, San Francisco, CA
- Mercy Housing | 1180 4th Street, Block 13 East Mission Bay, San Francisco, CA
- O'Farrell Towers Affordable Housing, 477 O'Farrell, San Francisco, CA
- TNDC | 249 Eddy Street, Affordable Housing, San Francisco, CA
- TNDC | 320-330 Clementina Towers, Low Income Senior Housing, San Francisco, CA
- TNDC | 350 Ellis Street, Senior Housing, San Francisco, CA
- Willie B Kennedy Apartments (Rosa Parks II Senior Housing), 1239 Turk Street, San Francisco, CA

Arts & Entertainment

- Avaya Stadium, San Jose Earthquakes Stadium, San Jose, CA
- San Francisco 49ers Levi's Stadium, Santa Clara, CA
- San Francisco Conservatory of Flowers, San Francisco, CA
- San Francisco Conservatory of Music, San Francisco, CA
- San Francisco Museum of Modern Art (SFMOMA) Expansion, CA
- San Jose Earthquakes Stadium, San Jose, CA

Parks

- Mission Bay Park P1, San Francisco, CA
- Mission Bay Shoreline Park Slope Stability, San Francisco, CA
- Mission Creek Parks NP1 and NP2 in Mission Bay, San Francisco, CA

Hotel & Resorts

- Four Seasons Hotel, San Francisco, CA
- Spanish Peaks Resort, New Roads, Bridges, Clubhouse, Lodge, 56 Cabins, Ski Lifts, Embankment Dam, and Infrastructure, Big Sky, MT

Education

- Ohlone Community College District, Fremont, CA,
- St. Mary's College of California, Moraga
 - Stadium
 - Powerplant Building
 - Library Addition
 - Recreation Center
- Stanford Book Storage Facility, Livermore, CA
- UC Berkeley, Hearst Greek Theater Seismic Retrofit, Berkeley, CA
- UC Berkeley, Memorial Stadium-Crane Construction, Berkeley, CA
- Child Development Center, Naval Air Station Lemoore, Lemoore, CA

Healthcare

- John Muir Medical Center Expansion, Walnut Creek, CA
- UCSF Parnassus Campus, Moffitt Hospital/Medical Science Building, San Francisco, CA

Infrastructure & Utilities

- Alameda Creek Recapture Project, Sunol, CA
- De La Salle High School Walkway Bridge Replacement, Concord, CA
- PG&E Substation Expansions and Improvements, Multiple Site throughout CA
 - Diablo Canyon Power Plant Emergency Equipment Storage Building and Switchyard Improvements, Avila Beach, CA
 - Oakland D Substation Expansion, Oakland, CA
- Storm Water Pump Station #1 & #6, Mission Bay, San Francisco
- San Francisco Public Utilities Commission (SFPUC) – On-Call Geotechnical Services, San Francisco, CA
- Port of Oakland, New Communications Building, Oakland, CA
- San Francisco International Airport, South San Francisco, CA
 - New pedestrian bridge
 - Fuel cell installation
 - High-mast lighting
 - Maintenance shop building
- Travis Air Force Base, Runway Evaluation and Rehabilitation, Fairfield, CA

Selected Publications and Presentations

- “Prediction and Measurement of Unit Side Resistance in Franciscan Complex Bedrock – The Longest Drilled Shafts in San Francisco” IFCEE Conference Proceedings, March 2018.
- “SFMOMA Expansion – Multiple Uses of Ground Improvement – A Case Study” DFI/EEFC International Conference on Piling & Deep Foundations Conference Proceedings, Stockholm, Sweden, 23 May 2014.
- “Pile Foundations for the San Francisco 49ers NFL Stadium” Deep Foundations Magazine, May/June 2014.
- “Case History – San Francisco 49ers NFL Stadium Pile Foundations” 2013 DFI Annual Conference Proceedings (2013).
- Panelist – “Impact of Contractual Relationships on Innovation and Risk in Deep Mixing over the last 10 Years,” Soil Mixing Seminar (2013).