

Siva K. Sivathasan, PhD, PE, GE, DGE, QSD, F.ASCE

Senior Vice President/Principal Engineer

Dr. Sivathasan is a registered civil and geotechnical engineer in California, with 23 years of geotechnical and construction experience. He is skilled at analyzing complex geotechnical problems and has prepared comprehensive reports with detailed recommendations. He also has extensive knowledge of construction projects from managing geotechnical observation and testing, special inspection and material testing, and Caltrans source inspection services. He has been providing source inspection for major transportation projects in Southern California. He is a subject matter expert for the California Board of Professional Engineers, Land Surveyors, and Geologists for geotechnical engineering exam development.

Dr. Sivathasan has been teaching several civil engineering undergraduate and graduate classes at Cal Poly Pomona and Cal State Fullerton on a part-time basis. He also taught civil engineering classes at the University of Peradeniya, Sri Lanka, University of California at Davis and Irvine, and Cal State Northridge. He teaches geotechnical engineering and engineering surveying sections for the California Professional Engineer Exam. He is the vice chair of the ACSE Los Angeles Section Geotechnical Group and has published several papers in journals and for international and national conferences.

Relevant Experience

Rail/Transit

City of Glendale, Beeline Transit Operation and Management and CNG Fueling Facilities, Glendale, CA. Project Manager. Provided geotechnical investigation for new construction. The proposed project involved construction of a new Administration and Operations Building, a maintenance building, a CNG Fueling Facility, and associated surface parking at the Glendale Transportation Center. The site required over-excavation and re-compaction of the upper soils.

San Gabriel Trench Project, San Gabriel, CA. Project Manager. Geotechnical observation and testing and special inspection and material testing for 2.2-mile grade separation project to lower 1.4-mile section of Union Pacific railroad track in a trench through the city of San Gabriel. Bridges constructed at Ramona Street, Mission Road, Del Mar Avenue and San Gabriel Boulevard. (2014)

Perris Valley Line, Riverside County, CA. Project Manager. Geotechnical observation and testing and special inspection and material testing for 24 miles from the downtown Riverside station to south Perris, with four new stations constructed at Riverside Hunter Park, Moreno Valley/March Field, Downtown Perris and South Perris. The project also included construction and rehabilitation of railroad tracks, upgrade of 18 at-grade crossings and improvement of existing tracks.

EDUCATION

- PhD, Civil Engineering, University of California at Davis, 2002
- MS, Civil Engineering, University of California at Davis, 1997
- BS, Civil Engineering, University of Peradeniya, Sri Lanka, 1994

REGISTRATIONS/CERTIFICATIONS

- California, Civil Engineer No. 63185
- California, Geotechnical Engineer No. 2708
- Diplomate in Geotechnical Engineering No. 1169
- CFR 1910.120 OSHA 8-Hour Refresher Training
- CFR 1910.120 OSHA 40-Hour Training
- Nuclear Soil Density Gauge Certification

AREAS OF EXPERTISE

- Geotechnical Engineering
- Deep Foundations
- Water/Wastewater Treatment
- Educational Institutions
- Building Foundations

"Siva is an excellent Project Manager. His knowledge of Caltrans requirements, including source inspections, enabled him to identify issues before they became problems."

— Brett Barnett, PE, CCM, Project Director, Cantu-Galleano Interchange

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Riverside Avenue/UPRR Grade Separation, Riverside, CA. SMR and Project Manager. Developed Source Inspection Quality Management Plan (SIQMP) for SANBAG and Caltrans review and approval. Managed the source inspection, geotechnical observation and testing, and special inspection and material testing.

Lenwood Road/UPRR Grade Separation, Barstow, CA. SMR and Project Manager. Developed Source Inspection Quality Management Plan (SIQMP) for SANBAG review and approval. Managed the source inspection for the subject project.

Vineyard Avenue/UPRR Grade Separation, Ontario, CA. Project Manager. Responsible for geotechnical design report to City of Ontario and SANBAG. Two alternatives – over pass and undercrossing - were considered for the project. Caltrans based standard and modified ARS curves and AREMA based ARS curves were generated and lateral and axial capacities of the pile foundations were evaluated and presented in the report. Recommendations also include the embankment settlement estimates, constructability, and retaining wall design parameters.

I-10/Sunset Avenue Undercrossing, Banning, CA. Project Manager/Engineer. Responsible for Geotechnical Design Report (GDR) for the I-10 interchange modifications and for the separate rail bridge design report. A new undercrossing is proposed to provide a grade separation under the existing Union Pacific railway just south of and parallel to I-10 in Banning. Due to the close proximity of the railway to the freeway, this required lowering of the Sunset Avenue undercrossing under I-10 provides sufficient vertical alignment for Sunset Avenue. New retaining walls and pavements at a lower grade will be required, and proposed underpass cut excavations will impact existing I-10 bridge foundations. Cohesionless, dry, caving sands were an identified geotechnical issue. The GDR was completed in accordance with the client's schedule. (2007)

Ramona Avenue/UPRR Grade Separation, Montclair, CA. Project Manager/Project Engineer. Responsible for technicians and inspectors and providing quality assurance of construction through geotechnical observation and testing, and special inspection and material testing for the City of Montclair and SANBAG.

Hunts Lane/UPRR Grade Separation, Colton, CA. Project Manager/Project Engineer. Responsible for technicians and inspectors and providing quality assurance of construction through geotechnical observation and testing, and special inspection and material testing for the City of Colton and SANBAG.

SR91/Van Buren Boulevard Interchange Improvement, Riverside, CA. Project Manager for geotechnical observation and testing and special inspection and material testing for the interchange improvement project for city of Riverside.

City Streets

City of Bell, Florence Avenue Overlay Project, Bell, CA. Project Manager. Responsible for providing on-call geotechnical observation and testing services for the Florence Avenue Overlay Project. Converse provided soil observation, material sampling and testing services related to Asphalt Concrete, and compaction tests in subsurface soil. The asphalt overlay begins at Florence Ave from Atlantic Avenue to Westerly City Limit. We are currently providing on-call geotechnical construction and monitoring work.

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City of Torrance, Residential Street Rehabilitation Project, Torrance, CA. Project Manager. The project consisted of evaluating the existing pavement conditions, conducting a field investigation to provide recommendations to the City of Torrance. Recommendations included structural sections, earthwork, and drainage necessary for the project. The project additionally had large trees that the local residents had wanted to keep in place. The Department of Public Works held public hearings and meetings regarding the safe guarding of the mentioned trees. Converse provided recommendations for a permeable pavement in an attempt to maintain the existing trees along the residential street.

City of Arcadia, Pavement Rehabilitation Project, Arcadia, CA. Project Manager. The project consisted of evaluating the existing pavement conditions and conducting a field investigation to provide recommendations to the City of Arcadia. Converse completed coring at ten (10) locations along Lemon Avenue, Camino Real Avenue and Sixth Avenue.

Highways & Major Roadways

I-15/Base Line Road Interchange Improvement, Rancho Cucamonga, CA. Structural Material Representative (SMR) and Project Manager. Developed Source Inspection Quality Management Plan (SIQMP) for SANBAG and Caltrans review and approval. Managed the source inspection, geotechnical observation and testing, and special inspection and material testing. The project consisted of widening Base Line Road from 4 to 6 lanes and East Avenue from 2 to 4 lanes. There are also additions of right and left turn lanes at East Avenue and Base Line Road. In addition the project also consisted of realigning and widening of the southbound and northbound diamond ramps from 1 to 2 lanes, adding a southbound loop on-ramp, and adding I-15 acceleration and deceleration lanes.

I-215 Central Segment Widening, Perris, CA. SMR and Project Manager and Structural Material Representative. Responsible for the RCTC for Source Inspection. He developed Source Inspection Quality Management Plan (SIQMP) for RCTC and Caltrans Review and Approval. He has been managing the source inspection for the subject project. The project included the widening of the Salt Creek Bridge, Romoland Flood Control Channel, Ethanac Road Railroad Overhead Bridge, and San Jacinto River Bridge. It also included the replacement of the Perris Boulevard Overcrossing and the D Street On-ramp/Overcrossing.

I-10/Tippecanoe Avenue Interchange Improvement Phase I, San Bernardino, CA. SMR and Project Manager. Source Inspection and Quality Assurance testing and inspection. Developed the SIQMP for the project for SANBAG. The SIQMP was reviewed and approved by Caltrans. Managed the source inspection, geotechnical observation and testing, and special inspection and material testing. The project includes widening the freeway eastbound off-ramp to two lanes, which will expand to four lanes at the intersection; building a new westbound on-ramp and off-ramp; removing the existing westbound off-ramp and the traffic signal at this on-ramp and off-ramp intersection on Tippecanoe Avenue; widening the Anderson Street/Redlands Boulevard intersection to include two through-lanes, two left-turn lanes and one right-turn lane in each direction; and adding an auxiliary lane on eastbound Interstate 10 between Waterman Avenue and Tippecanoe Avenue to facilitate weaving with freeway traffic.

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I-10/Date Palm Interchange Improvement, Coachella Valley, CA. Project Manager. Geotechnical observation and testing, special inspection and material testing. Project included asphalt pavement, rigid pavement, bridge improvements, and drainage improvements. (2013)

Highway Bridge Replacement and Rehabilitation Program, Los Angeles, CA. Project Engineer. Collaborative effort between Caltrans and the City of Los Angeles to seismically upgrade and improve nine bridges in the City. The bridges were located across the city and included crossing at the Los Angeles River, I-110, Ballona Creek and Arroyo Seco Channel. Provided design recommendations for deep foundations including drilled piers (CIDH piles) and driven piles (Steel H-piles, precast concrete piles) and shallow foundation systems, retaining walls and seismic hazard evaluation using Caltrans Seismic Design Criteria. (2002)

I-10/Pepper Avenue Interchange Replacement, Colton, CA. Project Manager. Geotechnical Engineer for PS&E phase of the project. Prepared Foundation Report, Geotechnical Design Report and Materials Report for the project.

I-15 Riverside County Line to US-395, San Bernardino County, CA. Project Manager. Provided geotechnical and environmental services as part of the Project Development Team for the I-15 Riverside County Line to US-395 project. Prepared Preliminary Geotechnical Reports and Initial Site Assessment for the Project Study Report/Project Development Support (PSR/ PDS) document. Identified areas in need of further assessment in the PA/ED phase due to the historical use of the site, presence of underground pipelines, and railroads that transect the site.

RCTC, Caltrans District 8, Interstate 15 Widening Project, Murrieta to San Bernardino County Line, CA. Geotechnical Project Manager. Responsible for preliminary geotechnical report for widening of 42 bridge structures including Santa Ana River Bridge with 11 spans, eight tie back walls and eight standard retaining structures, and a flexible and rigid pavement section study for the 44 miles along I-15. Worked with design team, RCTC and Caltrans District 8 to identify the suitable foundation system to support the widening of the structures based on the available as built data. Provided a report summarizing geologic setting, major faults, seismicity, ground shaking, topography, groundwater levels and groundwater regime, soil conditions, and the presence of bedrock. This report addressed the slope stability and other geotechnical related design issues. (2014)

I-605 Valley Boulevard Interchange Improvement, Industry, CA. Project Manager and Engineer. Responsible for preliminary geotechnical study, including liquefaction analysis. Worked with Los Angeles County, City of Industry and Caltrans on this project.

I-15/Cantu-Galleano Ranch Road Interchange, Mira Loma, CA. Project Manager/Project Engineer. Responsible for geotechnical observation and testing and special inspection and materials testing. The new interchange included on- and off-ramps, auxiliary lanes to the Highway 60 transition and an extension of Cantu-Galleano Ranch Road from Hamner Avenue, over the freeway and east to Etiwanda Avenue. It is a two-span continuous 2.80 meter deep cast-in-place prestressed concrete box girder bridge approximately 129 meters in length and up to 46 meters in width.

CA 57/60 Interchange, Diamond Bar, CA. Project Manager/Project Engineer. Responsible for observation and logging of concrete coring through an 11-foot diameter pier to approximately 110 feet.

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Oxnard Boulevard over Highway 101, CA. Project Engineer. Geotechnical investigation and consultation during construction. Performed CIDH piles analyses, deep foundation analyses, reviewed retaining wall design for the project, prepared foundation stiffness matrices for soil-structure interaction analyses, prepared supplemental and response to review comments from Caltrans District 7.

I-10/Etiwanda Avenue Improvements, San Bernardino County, CA. Project Engineer. Evaluated the geologic and geotechnical characteristics of the entire project area. The work consisted of the following: construction of new on and off ramps to I-10 at Etiwanda Avenue; realignment of the entire on and off-ramp system at I-10 and Etiwanda Avenue; a new on ramp separation where the new westbound Valley Boulevard on ramp will cross the new westbound Etiwanda Avenue off ramp; realignment and widening of Etiwanda Avenue north of the I-10 interchange; improvement of vertical clearance of the existing eastbound Valley Boulevard off-ramps where it crosses under I-10; construction of nine retaining walls, ranging in height from 1.8 to 9.1 meters high; extension of an existing reinforced box culvert which crosses beneath Etiwanda Avenue; and construction of new auxiliary and acceleration lanes associated with the existing Etiwanda Avenue / Valley Boulevard Interchange.

Mojave Drive Widening, Victorville, CA. Project Engineer. Seismic design criteria selection and modification for the multi-lane improvements. Crossing under/Over I-15, All design elements were submitted and approved by Caltrans District 8, per the Caltrans Seismic Design Criteria and Caltrans Guidelines for Foundation Investigations and Reports.

Bridges

Faure Avenue Bridge over San Jose Creek, Industry, CA. Project Engineer. Responsible for geotechnical observation and sampling of Portland Concrete Cement from curb and gutter, sidewalk and concrete pavement, channel wall reconstruction and bridge structure. Also responsible for materials observation during rough grading, backfill, compaction for retaining walls, channel walls, utility trenches, storm drain manholes, sewer main trenches, and for subgrade preparation for right-of-ways, sidewalk, curb and gutter. (2008)

Rincon Avenue Bridge, Corona, CA. Project Manager/Engineer. Geotechnical investigation for a single span bridge along Rincon Street over an existing Riverside County Flood Control Channel in City of Corona. The bridge is proposed to be 118 feet long, 56 feet wide and a precast bulb tee girder bridge. Due to shallow groundwater and sandy soils at the bridge location. 12-inch and 14-inch precast driven concrete piles were recommended to support the bridge. Also performed a slope stability analysis of the flood control channel at the bridge location in accordance with Caltrans Acceleration Response Spectra and modified Acceleration Response and prepared report for utilization in the seismic design of the bridge. (2005)

Four Bridges at Four Seasons over Potrero Creek, Beaumont, CA. Project Manager and Project Engineer. Responsible for review and analysis of relevant geotechnical reports and lab data, coordination of subsurface exploration that included drilling, logging, and seven hollow-stem auger boring samples, soils testing and report preparation per Caltrans requirement for the review of City of Beaumont. Presented detailed geotechnical recommendations for pile foundation design and construction. Managed geotechnical observation during construction including drilled pile construction below ground water also. (2005)

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Beaumont Avenue Bridge, Loma Linda, CA. Project Manager and Engineer. Geotechnical observation and testing, and materials testing for the replacement of Beaumont Avenue Bridge and adjacent roadway improvements in Loma Linda, part of the larger San Timoteo Creek Flood Control Project. Testing included compaction, Proctor, and R-value of the roadway embankment, structure materials, and aggregate base; AC paving testing of asphalt concrete; and concrete cylinder and unit weight testing of structural concrete. (2006)

K-12 Districts

Norwalk-La Mirada Unified School District, Benton Middle School, La Mirada, CA. Project Manager. Converse completed a geoseismic/geotechnical investigation for the proposed campus-wide Landscape Renovation with Accessory Structures. Our scope of work included field exploration, laboratory testing, geologic evaluation and geotechnical analysis to provide recommendations during design and construction. The development consists of campus-wide landscape renovation along with the construction of a new concession/restroom building and associated hardscape and landscape improvements at the existing Benton Middle School site.

Norwalk-La Mirada Unified School District, Corvallis Middle School, La Mirada, CA. Project Manager. Converse completed a geoseismic/geotechnical investigation for the proposed campus-wide Landscape Renovation with Accessory Structures. Our scope of work included field exploration, laboratory testing, geologic evaluation and geotechnical analysis to provide recommendations during design and construction. The development consists of campus-wide landscape renovation along with the construction of a new concession/restroom building and associated hardscape and landscape improvements at the existing Corvallis Middle School site.

Santa Monica-Malibu Unified School District, Lincoln Middle School Athletics Field Renovation Project. Santa Monica, CA. Project Manager. Converse completed a geoseismic/geotechnical investigation to provide recommendations for the new track and field. The project involves the construction of a new athletics field with a new synthetic track and field, new sports field lighting and associated site improvements.

Green Dot Public Schools, New One-Story Building at Animo South Los Angeles Charter High School, Los Angeles, CA. Project Manager. Converse completed a geotechnical study report for the new one-story building at Animo South Los Angeles Charter High School. Converse completed field exploration, laboratory testing, geologic evaluation and geotechnical analysis to recommend our conclusions during the design and construction phases of the project.

Los Angeles Unified School District, Cleveland High School Modernization Project, Reseda, CA. Project Manager. Converse completed a geotechnical study report for the comprehensive modernization project located within Cleveland High School. The project will consist of removing the existing structures and providing new permanent classroom buildings, cafeteria, lunch shelter, student store, multipurpose building, and library located at the existing Cleveland High School site.

Los Angeles Unified School District, Robert Frost Middle School, Grenada Hills, CA. Project Manager. Provided geotechnical investigation and completed a geotechnical study report for percolation testing and pavement improvement at Robert Frost Middle School. The project consists of pavement improvements and installation of pervious asphalt concrete at the western portion of the site in Parking Lot 1; installation of a subterranean infiltration system in the eastern

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portion of the site in the field area along with the replacement of existing turf and irrigation systems; and installation of pervious asphalt concrete at the northern portion of the site in Parking Lot 2 as an alternative to Parking Lot 1.

Long Beach Unified School District, Newcomb Academy, Long Beach, CA. Project Manager. Converse conducted pile load testing, geotechnical observation and testing during grading of the site and materials testing during construction of the project structures. The Newcomb Academy project consists of the construction of a new campus comprised of administration offices, 46 classrooms, a library/media center, visual arts and music rooms, technology center, auditorium, food services room and a gymnasium with a total square footage of 122,000 feet.

Long Beach Unified School District, Richard Browning High School, Long Beach, CA. Project Manager. Converse provided soils and materials testing to include concrete, steel inspection (shop and field), UT, NDT, torque testing, masonry and high strength bolting. This new campus serves students enrolled in a career pathway connected with tourism, recreation, hospitality, or people movement taking advantage of business and community partnerships available at the nearby Port of Long Beach and the Long Beach Convention Center. Design features includes two-story classrooms, labs, administration, and cafeteria/multi-purpose room buildings on the perimeter, surrounding a central open courtyard. A covered amphitheater and dining area provide common areas for student gatherings.

Long Beach Unified School District, Richard Browning High School No. 2, Long Beach, CA. Project Manager. Performed geotechnical observation and testing, and material testing and special inspection. The proposed project involves the new construction of a 9-12 grade small high school serving roughly 800 students on a vacant and undeveloped site on the corner of Redondo Avenue and Hill Street in Long Beach, CA. Design features includes two-story classrooms, labs, administration, and cafeteria/multipurpose room buildings on the perimeter, surrounding a central open courtyard. The project also includes a covered amphitheater, dining area, and athletic fields.

Montebello Unified School District, Schurr High School Track & Field Renovations, Montebello, CA. Project Manager. Performed geotechnical observation and testing, and material testing and special inspection. The project included renovations to the track and field area and addition of bleachers and two restroom buildings. Converse's responsibilities consisted of the testing of soils and materials during construction, including aggregate base, concrete, masonry, asphalt, and steel.

Los Angeles Unified School District, Berendo Middle School Gymnasium, Los Angeles, CA. Project Manager. Performed geotechnical observation and testing, and material testing and special inspection. The project consists of replacing the existing modular buildings and handball/basketball courts with a new gymnasium building. The proposed new gymnasium building is expected to be approximately 20,000 square feet.

Fontana Unified School District, Various New Schools and Modernizations, Fontana, CA. Project Manager. Geotechnical investigation during design and geotechnical observation and testing and material testing during construction.

San Bernardino County of Superintendent of Schools, Several Early Education Centers and Day Schools, Various Locations, CA. Project Manager. Geotechnical observation and testing, and material testing and special inspection.

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Corona-Norco Unified School District, Various New Schools and Modernizations, Corona and Norco, CA. Project Manager. Geotechnical investigation during design and geotechnical observation and testing and material testing during construction.

Community College Districts

Mt. San Antonio College, TES Underground Storage Tank Bottom Over-Excavation and Re-compaction, Walnut, CA. Project Manager. Performed geotechnical observations and compaction tests during over-excavation and re-compaction of the bottom subgrade materials for the TES Underground Storage Tank.

Mt. San Antonio College, Modular Buildings at Equity Center, Walnut, CA. Project Manager. Performed geotechnical investigation prior to construction, in order to provide geotechnical recommendations for the design and construction of foundations and site grading. The proposed modular buildings are located in the central portion within the campus and site dimensions are approximately 192 feet east-west by 40 feet north-south for both buildings.

Mt. San Antonio College, Athletic Complex East, Walnut, CA. Project Manager. Performed geotechnical investigation prior to construction, in order to provide geotechnical recommendations for the design and construction of foundations and site grading. The developments for the Athletic Complex East consists of the construction of several multi-level buildings. In addition, visitor bleachers to accommodate 4,000 seats, two pedestrian bridges, IAAF Compliant Track and Field, scoreboard, flatwork, access roads and retaining walls will be constructed as part of the project.

Cerritos Community College, Social Science Building Elevator Project, Norwalk, CA. Project Manager. Provided project set-up, field exploration, and report preparation for the project. The development is located in the Social Science Building within the existing Cerritos Community College. The project consisted of constructing an elevator to provide ADA compliant access to all levels of the Social Science Building. The work consisted of geotechnical investigation during design and geotechnical observation and testing.

Mt. San Antonio College, Food Services Building, Walnut, CA. Project Manager. The proposed Food Services Building Project consists of a new one to two-story building. The building is expected to be approximately 13,000 to 14,000 square feet and about 4,000 square feet of outdoor sitting with shade structures. Scope of work included subsurface exploration and laboratory testing including: In situ moisture and dry densities, maximum dry density and optimum-moisture content relationship, Sieve Analysis and Hydrometer, percent passing No. 200 sieve, direct shear, consolidation, collapse, expansion index, soil corrosivity tests, and R-value.

Mt. San Antonio College, Student Success Building, Walnut, CA. Project Manager. The proposed Student Support Services Building Project consists of a two-story building. The building is approximately 10,000 square feet and built into the slope. A total of three (3) borings were drilled to depths between 6.5 and 51.5 feet below ground surface at the project site. The work consisted of geotechnical investigation during design and geotechnical observation and testing; special inspection and material testing during construction.

Mt. San Antonio College, Underground Storage Reservoir, Walnut, CA. Project Manager. The proposed development consists of the construction of a Thermal Energy Storage (TES)

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Underground Storage Tank in the northwest portion of Parking Lot H on the Mt. San Antonio College Campus. A total of three (3) exploratory borings were drilled within the project site. The work consisted of geotechnical investigation during design.

Mt. San Antonio College, Technology Building, Walnut, CA. Project Manager. The proposed Business & Computer Technology Center and LLC & Humanities Building is located at the current tennis courts in the north-easterly portion of campus in Mt. San Antonio College. The site dimensions are approximately 400 feet east-west by 375 feet north-south. The tennis courts are currently concrete paved playing surfaces with fencing and descending slopes from the north and west sides ranging in height from 5 to 15 feet with an approximate 2.5H:1V or flatter gradient. Seventeen (17) exploratory borings were drilled within the project sites. The borings were advanced using a limited access track drill rig with an 8- inch diameter hollow stem auger to depths ranging from 4 to 71.5 feet below the existing ground surface (bgs).

Mt. San Antonio College, Parking Structure, Walnut, CA. Project Manager. The proposed developments consist of a new two- to five-level parking structure with associated retaining walls at the site. Portions of the structure are to be below the existing ground surface. The planned parking structure consists of three (3) different slab-on-grade levels. The lowest floor level is approximate up to 35 feet below existing ground surface. The work consisted of geotechnical investigation during design.

Chaffey College Visual and Performing Arts Complex, Rancho Cucamonga, CA. Project Manager. Geotechnical investigation during design and geotechnical observation and testing; special inspection and material testing during construction.

Victor Valley College Master Plan, CA. Project Manager/Engineer. Geotechnical investigation including Probabilistic Seismic Hazard Analysis, liquefaction analysis using Cone Penetration Testing (CPT) data and Standard Penetration Testing (SPT) data, identifying most suitable areas for future expansion of the campus. This will support the college to identify feasible locations for improvements with respect to liquefaction hazards and other potential geologic/geotechnical hazards. The goal of the study is to establish a 20-year plan and design guidelines for a new campus that is in line with the College's forward thinking, vision and mission statements, goals, and objectives.

Universities

California State Polytechnic University, Pomona, Scolinos Baseball Field Lighting Project, Pomona, CA. Project Manager. Conducted a geotechnical study and prepared a geotechnical report for the construction of eight lighting structures. The eight lighting structures were spaced approximately 100 to 200 ft. apart around the perimeter of the baseball field. The footing diameters range from 42 to 30 inches and the foundations reached depths of 16 to 20 ft. The weight of concrete base ranges from 5,300 to 11,180 lbs and the assembled pole weights ranged from 3,653 to 7,248 lbs in addition to the concrete base weights.

California State Polytechnic University, Pomona, Building 20 & 21 Improvement Project, Pomona, CA. Project Manager. Conducted geotechnical and soils testing services for the project. The project consisted of subgrade compaction testing, verifying the concrete mix design and performing a slump temperature test.

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California State Polytechnic University, Pomona, Perry Island Sidewalk, Pomona, CA. Project Manager. Conducted geotechnical investigation to evaluate and determine recommendations for the paving of the Perry Island Sidewalk. Our subsurface exploration included soil sampling and laboratory testing of the sampled soils. The project consisted of subgrade compaction testing for a new sidewalk. The site was approximately 3,500 LF total in sidewalk to lay.

California Institute of Technology (Caltech), Miscellaneous Transfer Drain No. 91, Unit 6, Pasadena, CA. Staff Engineer. Mr. Nguyen performed the various laboratory and field testing. The Miscellaneous Transfer Drain No. 91, Unit 6 project is located on the Caltech campus at 1200 East California Boulevard, Pasadena, California. The proposed project consists of relocating the existing public storm drain as a part of the planned Caltech Bechtel Residence Project. Converse provided geotechnical monitoring which included laboratory and field testing for earthwork operations consisting of utility trench excavation as well as the placement of compacted fill in the excavation area.

California State Polytechnic University, Pomona, Student Housing Building 21 Remodeling, Parking Lot P Improvements, Pomona, CA. Project Manager. Geotechnical observation and testing, and special inspection and material testing for various projects for residential hall, parking lot and retaining wall addition to lodge projects.

California State Polytechnic University, Pomona, Red Cross Overflow Parking Lot, Pomona, CA. Project Manager. Conducted geotechnical investigation to evaluate and determine recommendations for the paving of the Red Cross Overflow Parking Lot. Our subsurface exploration included soil sampling and laboratory testing of the sampled soils.

Parking Lots

Santa Fe Depot Parking Structure, San Bernardino, CA. Project Manager and Engineer. Geotechnical investigation multi-level parking structure proposed to be at the northeast corner of Mount Vernon Avenue and 2nd Street.

RCTC Corona North Main Metrolink Station Parking Structure, Corona, CA. Project Manager and Engineer. Geotechnical Observation and Testing and Special Inspection and Material Testing for the 6-story Parking Structure supported on pile foundation.

Vineyard Kaiser Permanente Medical Center 8-story Parking Structure, Ontario, CA. Project Manager and Engineer. Designed the Medical Campus and 8-story parking structure. Conducted geotechnical investigation for the medical campus and parking structure.

Farmers Market Los Angeles, CA. Project Engineer. Design and construction. 8-story parking structure was supported on pile foundation. Soft clayey contaminated soil made the project more interesting with all other challenges.

Los Angeles Trade Technical College, Los Angeles, California. Project Manager/Engineer. Conducted geotechnical investigation for 6-story parking structure and 5-year master plan of the campus. This investigation consisted of several hollow stem auger borings and CPTs.

Fire Stations

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City of Brea Fire Station No. 2, Brea, CA. Project Engineer. Conducted geotechnical investigation during design and geotechnical observation and testing and special inspection and material testing during construction.

City of Los Angeles San Pedro Fire Station, San Pedro, CA. Project Engineer. Responsible for the geotechnical investigation during design. Assisted the city with liquefaction study for this site. Conducted Standard Penetration Testing (SPT) and Cone Penetration Testing (CPT).

City of Corona Department of Water and Power Buildings, Police/Fire Training Facility and Jail, Corona, CA. Project Manager/Engineer. Responsible for geotechnical services during design and construction of several projects as part of an on-call contract. The police/fire facility was a renovation of the old corporate yard building, with a lobby addition and new jail building adjacent to the existing building. For the new jail, the most significant geotechnical issues at the site were seismic hazards and compressible soils. Provided recommendations to mitigate the potential for liquefiable soils underneath the footprint of the proposed Prisoners Building. The solution was the use of two layers of horizontal geogrid reinforcement, with specific grading, spacing, and installation recommendations.

City of Rancho Cucamonga Public Works Buildings and Corporation Yard, Street Improvements and Storm Drain Projects, Rancho Cucamonga, CA. Project Manager/Geotechnical Engineer. Responsible for geotechnical services during design and construction of several projects as part of an on-call contract.

Sylmar Branch Library, Los Angeles, CA. Project Engineer. Responsible for geotechnical investigation and geotechnical observation and testing during construction. The Sylmar Branch Library project consisted of demolishing the existing library and peripheral structures located on site, and construction of a new 12,500 square foot library building. The shallow foundations and floor slab are underlain by engineered fill compacted to at least 95 percent relative compaction (ASTM D1557).

Westwood Library, Los Angeles, CA. Project Manager/Engineer. Responsible for geotechnical investigation and geotechnical observation and testing during construction. The project included the construction of a new approximately 12,500 square-foot library. The library is two stories high with a subterranean parking extending one story below existing grade. The library building is supported on mat foundation underlain by native soils. Construction consisted of concrete, steel, masonry or wood materials. Cantilever and tie-back shoring was utilized to support the soils around the subterranean parking excavation.

Palmdale Sheriff Station for County of Los Angeles, Palmdale, CA. Project Manager/Engineer for geotechnical observation and testing during construction.

Indio Fire Station #2, Indio, CA. Project Manager/Engineer for geotechnical investigation during design and geotechnical observation and testing and special inspection and material testing during construction.

Parks

Siva K. Sivathasan, PhD, PE, GE, DGE, QSD, F.ASCE

Senior Vice President/Principal Engineer

Bakersfield Mesa Marin Sports Complex Phase 2, Bakersfield, CA. Project Manager. Responsible for the geotechnical investigation to provide construction recommendations. Amenities for the park include two principle softball fields with field lighting, a pedestrian access bridge over an existing drainage channel, a water spray park, a dog park, a skate park, walking paths, two parking lots, and one restroom building.

City of Lake Forest, Village Pond Park, Lake Forest, CA. Project Manager. Provided management of materials testing and inspection for the project. The project involves site improvements as part of the revitalization of the Village Pond Park including the construction of a new 30 foot long pedestrian bridge, a new entry overhead structure, picnic tables and benching.

City of Bloomington, Kessler Park, Bloomington, CA. Project Manager/Engineer for the preliminary geotechnical investigation of the proposed restroom facility, septic tank and leach field for the renovations of Kessler Park. Park renovations also included a new playground set, skate park and basketball courts. Field investigation included the excavation, logging and sampling of five backhoe test pits, and two percolations tests within two of the test pits.

City of Pomona, Veterans Park, Pomona, CA. Project Manager/Engineer of a geotechnical investigation and geotechnical observation for the new proposed, 11-acre park that will have four full-sized soccer fields with monopole field lighting, single-story restroom/concession, maintenance, and storage buildings, picnic shelter areas, a play area and a 290-lot parking area. Field investigation for the soccer field complex consisted of drilling, logging and sampling nine hollow-stem auger borings to depths of approximately 11½ to 26½ feet below the existing ground surface. The primary geotechnical concern for this site is the potential for seismically-induced settlement of unsaturated soils. Field observation was performed during the construction of the project.

City of Corona, City Park Improvements including Basket Ball Court, Corona, CA. Project Manager. Responsible for geotechnical investigation and geotechnical observation and testing during construction. Geotechnical investigation consisted of several borings.

City of Corona, City Park Waterline Improvement, Corona, CA. Project Manager. Responsible for geotechnical investigation. Geotechnical investigation consisted of several borings along the street and traffic control was used per Watch Manual during the field work.

City of Los Angeles, East Wilmington Greenbelt Community Center Sites 1 and 2, Los Angeles, CA. Project Engineer. Responsible for geotechnical investigation. Several borings were conducted to collect soil samples for laboratory testing to formulate the geotechnical recommendations.

City of Pasadena, Improvement to Robinson Park Pasadena, CA. Project Manager. Responsible for geotechnical investigation. Investigation consisted of several borings for several structures including restrooms, play field and light poles.

City of South El Monte, Whittier Narrows Recreation Area Improvement, South El Monte, CA. Project Manager. Responsible for restroom addition and sewer line improvements. Consisted of several boreholes and Potholes. Prepared the geotechnical investigation report to present the geotechnical recommendations.

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Senior Vice President/Principal Engineer

Hospitals

Tarzana Medical Office Building and Parking Structure Project, Tarzana, CA. Project Manager. Responsible for the permeability testing at the site. Converse completed an excavation of test pit to collect soil samples in order to determine their hydraulic conductivity.

Vineyard Kaiser Permanente, 6-story Hospital Building with a Basement, Ontario, CA. Project Manager. Responsible for geotechnical investigation and consultation during construction. Geotechnical investigation consisted of several hollow stem auger borings and cone penetration testing, and development of acceleration time histories for dynamic analysis. Geotechnical report was reviewed and approved by CGS and OSHPD.

Vineyard Kaiser Permanente, 8-story Parking Structure, Ontario, CA. Project Manager. Responsible for geotechnical investigation. Geotechnical investigation consisted of several hollow stem auger borings and Cone Penetration Testing. Geotechnical report was reviewed and approved by City of Ontario.

Vineyard Kaiser Permanente, Pedestrian Bridge, Ontario, CA. Project Manager. Responsible for geotechnical investigation. Geotechnical investigation consisted of Hollow stem auger borings. Geotechnical report was reviewed and approved by City of Ontario.

Vineyard Kaiser Permanente, Central Utility Plant Expansion, Ontario, CA. Project Manager. Responsible for geotechnical investigation. Geotechnical investigation consisted of hollow stem auger borings and cone penetration testing. Geotechnical report was reviewed and approved by CGS and OSHPD.

City of Los Angeles, California Hospital, Los Angeles, CA. Project Engineer. Responsible for design of Cast-In-Drilled-Hole (CIDH) piles to support the five-story building.

Hoag Hospital, Several Building Addition, Newport Beach, CA. Project Engineer. Responsible for geotechnical investigation and consultation during construction. Geotechnical investigation consisted of several borings and Cone Penetration Testing and fault trenching. Geotechnical reports were reviewed and approved by CGS and OSHPD.

Riverside Regional Hospital, Parking Lot Improvement, Moreno Valley, CA. Project Manager. Responsible for geotechnical Investigation for parking lot improvement.

Huntington Hospital, Site Improvements, Pasadena, CA. Principal in Charge. Responsible for on-site improvement construction project.

Huntington Hospital, Geohazard Study, Pasadena, CA. Principal in Charge. Responsible for geohazard study.

Water & Wastewater

Forest City Real Estate Services, South Bay Galleria Groundwater Depth, Redondo Beach, CA. Project Manager. Responsible for geohazard study. The project consisted of upgrades to the existing South Bay Galleria. Converse provided soil characteristics and provided preliminary geologic and seismic data in order for upgrades to be made.

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City of Pomona, Sewer Trunk Main Replacement, Pomona, CA. Project Manager. Responsible for client meetings, geotechnical site investigation including planning, obtaining permits to drill along the City and County Streets, field operations (borings and pot holing), laboratory testing, analyses and report preparation, and project management for this project.

Mount San Antonio College, Modular Building Sewer Line, Walnut, CA. Project Manager. Responsible for geotechnical investigation and geotechnical observation and testing during construction. The project consisted of the replacement and realignment of part of the existing 8-inch diameter sewer pipeline with a 12-inch diameter PVC gravity pipeline. The sewer line is approximately 750 linear feet of a 12-inch-diameter PVC gravity pipe. The sewer line situated at approximately 5 feet to maximum 43 feet below the existing ground surface.

City of Rancho Cucamonga Public Works Buildings and Corporation Yard, Street Improvements and Storm Drain Projects, Rancho Cucamonga, CA. Project Manager/Geotechnical Engineer. Responsible for geotechnical services during design and construction of several projects as part of an on-call contract.

City of Corona, City Park Waterline Improvement, Corona, CA. Project Manager. Responsible for geotechnical investigation. Geotechnical investigation consisted of several borings along the street and traffic control was used per Watch Manual during the field work.

Several Water Tanks/Reservoirs Projects for San Gabriel Valley Water District/Fontana Water Company. San Gabriel Valley and Fontana, CA. Project Manager. Responsible for geotechnical observation and testing and material testing and inspection during construction.

Whittier Narrows Recreation Area Sewer Line, County of Los Angeles, CA. Project Manager. Responsible for client meetings, geotechnical site investigation including planning, obtaining permits to drill along the City and County Streets, field operations (borings and pot holing), laboratory testing, analyses and report preparation, and project management for this project.

Faure Avenue Bridge over San Jose Creek, Industry, CA. Project Engineer. Responsible for geotechnical observation and sampling of Portland Concrete Cement from curb and gutter, sidewalk and concrete pavement, channel wall reconstruction and bridge structure. Also responsible for materials observation during rough grading, backfill, compaction for retaining walls, channel walls, utility trenches, storm drain manholes, sewer main trenches, and for subgrade preparation for right-of-ways, sidewalk, curb and gutter.

Cal Poly Pomona Engineering Meadow, Hot Water Pipeline Project, Pomona, CA. Project Manager. Responsible for geotechnical observation and testing during construction. Hot water line was installed to connect several buildings with central utility plant.

City of Garden Grove, Water and Sewer Line Project along Ward Street, Garden Grove, CA. Project Manager. Responsible for geotechnical investigation consisting of several borings along the street with traffic control per WATCH manual.

City of Bradbury, Sewer Construction Project along Mount Olive Drive, Bradbury, CA. Project Manager. Responsible for geotechnical observation and testing during construction.

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Orange County Water District, GWRs Expansion Project, Materials Testing and Inspection Services, Fountain Valley, CA. Project Manager. Responsible for inspection and testing during construction.

Cucamonga Valley Water District Frontier Project, Rancho Cucamonga, CA. Project Manager/Project Engineer. Geotechnical investigation during design and geotechnical observation and testing, special inspection and material testing during construction. The Frontier Project is designed to be a LEED Platinum certified building.

Seismic Evaluation of Ten Existing Reservoirs, Ontario, CA. Project Engineer. Geologic and seismic hazards review for ten existing potable water reservoirs in Upland and northern Ontario. Assisted in development of current seismic design parameters such as ground motion factors using ASCE 7-05, ACI and AWWA updated criteria, and developing site-specific response spectra to evaluate each reservoir, including low damping and long period spectra for hydrodynamic(sloshing) analyses. Primarily historic geotechnical data was used, combined with current subsurface exploration for the older reservoir sites where geotechnical subsurface data was not available. This information was used to develop priorities and cost-effective approaches to reducing vulnerabilities and improving reliability of the water distribution systems for the City of Ontario.

Whittier Narrows Recreation Area Sewer Line, County of Los Angeles, CA. Project Manager. Responsible for client meetings, geotechnical site investigation including planning, obtaining permits to drill along the City and County Streets, field operations (borings and pot holing), laboratory testing, analyses and report preparation, and project management for this project.

Etiwanda Estates Reservoirs, Rancho Cucamonga, CA. Project Engineer. Geotechnical and fault investigation for the proposed reservoir site. The proposed two above-ground reservoirs had been planned immediately south of the mapped trace of Strand C of the Cucamonga fault, with the northern of the two reservoirs currently proposed to be constructed within 15 feet of the base of the scarp formed by the fault. The purpose of the fault investigation was to identify the location of Strand C of the Cucamonga fault, to determine if the fault is active within the project area, and if so, to determine an appropriate structural setback distance from the fault. The field investigation consisted of the excavation of one fault trench, totaling approximately 460 linear feet. The purpose of the trench was to identify the exact location of the previously mapped of Strand C of the Cucamonga Fault Zone, and to evaluate activity along this fault. Additionally, the trench was excavated south of the mapped fault to identify if any faults were present beneath the proposed reservoir pad area. Managed the geotechnical observation and testing and special inspection and material testing.

City of Rancho Cucamonga Public Works Buildings and Corporation Yard, Street Improvements and Storm Drain Projects, Rancho Cucamonga, CA. Project Manager/Geotechnical Engineer. Responsible for geotechnical services during design and construction of several projects as part of on-call contract.

Seismic Evaluation of Eight Existing Reservoirs, Pomona, CA. Project Engineer. Geologic and seismic hazards review for eight existing potable water reservoirs in Pomona. Assisted in development of current seismic design parameters such as ground motion factors using ASCE 7-05, ACI and AWWA updated criteria, and developing site-specific response spectra to evaluate each reservoir, including low damping and long period spectra for hydrodynamic(sloshing)

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analyses. Primarily historic geotechnical data was used, combined with current subsurface exploration for the older reservoir sites where geotechnical subsurface data was not available. This information was used to develop priorities and cost-effective approaches to reducing vulnerabilities and improving reliability of the water distribution systems for the City of Pomona.

Several Water Tanks/Reservoirs Projects for San Gabriel Valley Water District/Fontana Water Company. *San Gabriel Valley and Fontana, CA.* Project Manager. Responsible for geotechnical observation and testing and material testing and inspection during construction.

Several Water main projects for cities of Brea, Corona, Ontario, Fontana, Pomona and Glendora, CA. Project Manager. Responsible for geotechnical observation and testing during construction.

Hospitals and Assisted Living

Senior Living Project, Beach Cities Health District, Redondo Beach, CA. Project Manager. Responsible for geotechnical investigation during design. The project will consist of the development of multi-level buildings on two vacant properties which will become a senior living center. The proposed project site is located at 514 North Prospect Avenue in Redondo Beach, California. The site dimensions are approximately 140 feet east-west by 150 feet north south at the Beryl/Flagler lot, and an approximately 75 feet east-west by 500 feet north-south at the Diamond/Flagler lot located along the existing eastern slope of the site.

Sunrise Assisted Living at Fullerton, CA. Project Manager. Responsible for geotechnical Investigation during design. Conducted very detailed subsurface investigation and prepared the design report.

Sunrise Assisted Living at Playa Vista, CA. Project Engineer. Responsible for geotechnical investigation. Conducted Liquefaction study and developed optimal mitigation measures for the subject site.

Sunrise Assisted Living at Westlake Village, CA. Project Engineer for geotechnical investigation during design.

Sunrise Assisted Living at Studio City, CA. Project Engineer for geotechnical investigation during design.

Sunrise Assisted Living at Huntington Beach, CA. Project Engineer for geotechnical investigation during design.

Sunrise Assisted Living at Seal Beach, CA. Project Engineer for geotechnical investigation during design.

Vineyard Kaiser Permanente, 6-story Hospital Building with a Basement, Ontario, CA. Project Manager. Responsible for geotechnical investigation and consultation during construction. Geotechnical investigation consisted of several hollow stem auger borings and cone penetration testing, and development of seven (7) set of acceleration time histories for dynamic analysis. Geotechnical report was reviewed and approved by CGS and OSHPD.

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Vineyard Kaiser Permanente, 8-story Parking Structure, Ontario, CA. Project Manager. Responsible for geotechnical investigation. Geotechnical investigation consisted of several hollow stem auger borings and Cone Penetration Testing. Geotechnical report was reviewed and approved by City of Ontario.

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City of Los Angeles, California Hospital, Los Angeles, CA. Project Engineer. Responsible for design of Cast-In-Drilled-Hole (CIDH) piles to support the five-story building.

Hoag Hospital, Several Building Addition, Newport Beach, CA. Project Engineer. Responsible for geotechnical investigation and consultation during construction. Geotechnical investigation consisted of several borings and Cone Penetration Testing and fault trenching. Geotechnical reports were reviewed and approved by CGS and OSHPD.

Riverside Regional Hospital, Parking Lot Improvement, Moreno Valley, CA. Project Manager. Responsible for geotechnical Investigation for parking lot improvement.

Huntington Hospital, Site Improvements, Pasadena, CA. Principal in Charge. Responsible for on-site improvement construction project.

Huntington Hospital, Geohazard Study, Pasadena, CA. Principal in Charge. Responsible for geohazard study.

Los Angeles County Olive View – UCLA Medical Center Centralized Data Base System Infrastructure and Psychiatric Holding Remodel Construction Project, CA. Principal in Charge for inspection and testing.

Pipelines/Sewer/Storm Drains

City of Buena Park, Sewer Siphon Elimination Project, Stantec, Buena Park, CA. Project Manager. Responsible for geotechnical investigation. This project consisted of the elimination of Sewer Siphon S12 and S7 which are to be replaced by approximately 2,750 and 1,660 linear feet of 8-inch diameter pipeline. Six (6) exploratory borings were drilled and taken in for laboratory testing.

Sewer Trunk Main Replacement, Pomona, CA. Project Manager. Responsible for client meetings, geotechnical site investigation including planning, obtaining permits to drill along the City and County Streets, field operations (borings and pot holing), laboratory testing, analyses and report preparation, and project management for this project.

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City of Rancho Cucamonga Public Works Buildings and Corporation Yard, Street Improvements and Storm Drain Projects, Rancho Cucamonga, CA. Project Manager/Geotechnical Engineer. Responsible for geotechnical services during design and construction of several projects as part of an on-call contract.

City of Corona, City Park Waterline Improvement, Corona, CA. Project Manager. Responsible for geotechnical investigation. Geotechnical investigation consisted of several borings along the street and traffic control was used per Watch Manual during the field work.

I-10/Tippecanoe Avenue Interchange Improvement Phase I, San Bernardino, CA. SMR and Project Manager. Source Inspection and Quality Assurance testing and inspection. Developed the SIQMP for the project for SANBAG. The SIQMP was reviewed and approved by Caltrans. Managed the source inspection, geotechnical observation and testing, and special inspection and material testing. The project includes widening the freeway eastbound off-ramp to two lanes, which will expand to four lanes at the intersection; building a new westbound on-ramp and off-ramp; removing the existing westbound off-ramp and the traffic signal at this on-ramp and off-ramp intersection on Tippecanoe Avenue; widening the Anderson Street/Redlands Boulevard intersection to include two through-lanes, two left-turn lanes and one right-turn lane in each direction; and adding an auxiliary lane on eastbound Interstate 10 between Waterman Avenue and Tippecanoe Avenue to facilitate weaving with freeway traffic.

Several Water Tanks/Reservoirs Projects for San Gabriel Valley Water District/Fontana Water Company. San Gabriel Valley and Fontana, CA. Project Manager. Responsible for geotechnical observation and testing and material testing and inspection during construction.

Water Main Projects, Cities of Brea, Corona, Ontario, Fontana, Pomona and Glendora, CA. Project Manager. Responsible for geotechnical observation and testing during construction.

Whittier Narrows Recreation Area Sewer Line, County of Los Angeles, CA. Project Manager. Responsible for client meetings, geotechnical site investigation including planning, obtaining permits to drill along the City and County Streets, field operations (borings and pot holing), laboratory testing, analyses and report preparation, and project management for this project.

City of South El Monte, Whittier Narrows Recreation Area Improvement, South El Monte, CA. Project Manager. Responsible for restroom addition and sewer line improvements. Consisted of several boreholes and Potholes. Prepared the geotechnical investigation report to present the geotechnical recommendations.

Faure Avenue Bridge over San Jose Creek, Industry, CA. Project Engineer. Responsible for geotechnical observation and sampling of Portland Concrete Cement from curb and gutter, sidewalk and concrete pavement, channel wall reconstruction and bridge structure. Also responsible for materials observation during rough grading, backfill, compaction for retaining walls, channel walls, utility trenches, storm drain manholes, sewer main trenches, and for subgrade preparation for right-of-ways, sidewalk, curb and gutter.

Cities/Counties

City of Lynwood, New City Hall Annex Building, Lynwood, CA. Project Manager. Provided geotechnical investigation recommendations for the construction of the annex building. The

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project involves the construction of a new one-story City Hall Annex Building. The planned development on the site will be a new one-story building, approximately 10,450 square feet, for the proposed New City Hall Annex Building, Council Chambers, and required surface parking.

Underground Water Supply Tank and Pump Room Building, Los Angeles County Emergency Operations Center, Los Angeles, CA. Project Manager. Provided geotechnical investigation recommendations for the construction of the underground water supply tank. The development consists of the construction of an underground water supply tank and pump room building located at the Los Angeles County Emergency Operations Center. The underground water supply tank is planned to be constructed approximately 15 feet below ground and have a storage capacity of approximately 50,000 gallons. A pump room will be constructed at grade above the underground storage tank.

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City of Walnut, Five Intersection Improvements and Retaining Wall Design, Walnut, CA. Project Manager. Provided geotechnical investigation recommendations for design and construction. The five (5) intersection improvements are located at Valley Boulevard and Lemon Avenue, Grand Avenue and La Puente Road, Grand Avenue and San Jose Hills Road, Grand Avenue and Mountaineer Road, and Grand Avenue and Shadow Mountain Road. Mountaineer Road also included a retaining wall.

City of Norwalk, City Hall Entrance ADA Improvements, Norwalk, CA. Project Manager. Responsible for managing a geotechnical study at the site of the City Hall entrance of the City of Norwalk. The project involved demolition of the existing structures in the concourse area within the parking lot to be replaced by a new military memorial, including five (5) monoliths depicting the branches of the military, planters, lighting, flag poles, and tree wells with benches.

Los Angeles County Hall of Justice, Los Angeles, CA. Project Manager. Provided management of materials testing and inspection for the project. As a result of sustaining major damage during the 1994 Northridge earthquake, the building was closed. The renovation concept called for converting the structure from a mixed use (office, court, and jail) to office for the Sheriff's Department and District Attorney and upgrading the structural seismic resistance to comply with current building codes.

Los Angeles County Men's Central Jail Replacement, Los Angeles, CA. Project Manager. Provided management of materials testing and inspection for the project. The proposed project consists of demolishing the existing structures and facilities and construction of a Men's Central Jail Facility that could accommodate 4,860 beds and would include a new multi-story parking structure, a court line, public plaza, CTC building and a new secure skyway connecting to the adjacent Twin Towers Correctional Facility on the existing site.

Commercial

Proud Bird Restaurant Remodel and Addition, Los Angeles, CA. Project Manager. Provided geotechnical investigation and recommendations for construction. The proposed project is located at 11022 Aviation Boulevard in Los Angeles, California. The project involves the remodel and renovation of the existing Proud Bird Restaurant on site including the two-story building addition of approximately 2,800 square feet as well as approximately 7,790 square feet of tenant improvements and associated site improvements.

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Monterey Park DoubleTree Hotel, 220 Hotel Atlantic, LLC, Monterey Park, CA. Project Manager. Converse completed an updated geotechnical study report for a planned development that will be a six story hotel building with approximately 48,800 square feet of building footprint and 180 guest rooms. There will also be three (3) subterranean parking levels with approximately 263 parking spaces. Our scope of work included a site reconnaissance and data review, subsurface exploration with soil sampling, percolation testing, laboratory testing, and engineering analyses.

Religious Facilities

St. John Vianney Catholic Church Reconstruction Project, Hacienda Heights, CA. Project Manager. Converse provided geotechnical observation and testing services during earthwork operations for rough grading of building pads for the project. The project consisted of the construction of a new church sanctuary to replace the one destroyed by arson fire in 2011. The new church sanctuary is planned to be an approximately 22,700 square foot, Type III, single-story structural steel framed church building with a seating capacity of approximately 1,133.