



Dorsey High School



GROUP DELTA



**Robert F. Kennedy
Community Schools**

Statement of Qualifications

K-12 Schools



**Andres and Maria Cardenas
Elementary School**



Costa Mesa High School

Irvine
32 Mauchly
Suite B
Irvine, CA 92618
(949) 450-2100

Torrance
370 Amapola Avenue
Suite 212
Torrance, CA 90501
(310) 320-5100

San Diego
9245 Activity Road
Suite 103
San Diego, CA 92126
(858) 536-1000

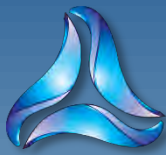
Ontario
1035 So. Milliken Avenue
Suite G
Ontario, CA 91761
(909) 295-5550

Victorville
12180 Ridgecrest Road
Victorville, CA 92395
(760) 881-3225

Oakland
1970 Broadway
Suite 1100
Oakland, CA 94612
(510) 671-0010

Anaheim
1320 South Simpson Circle
Anaheim, CA 92806
(714) 660-7500

***“Delta is the Difference”
Serving California Since 1986***



GROUP DELTA

WHO WE ARE



Group Delta is a consulting geotechnical and environmental engineering firm with seven offices located in the counties of Orange, Los Angeles, San Bernardino, San Diego and Alameda. Our team consists of civil and geotechnical engineers, environmental engineers, engineering geologists, laboratory and field technicians, deputy inspectors, drafting/CADD technicians, and drilling and support personnel specialized in their respective fields. We offer a broad range of services to serve the needs of our clients.

GEOTECHNICAL ENGINEERING AND GEOLOGIC SERVICES

- Feasibility studies
- Third Party Reviews
- Foundation design
- Earth Retaining Structures Design
- Pavement Design
- Earthwork and Grading
- Earthquake and Fault Studies
- Geologic Hazard Evaluations
- Numerical Modeling Analyses
- Seismic Design & Hazard Assessments
- Hydrogeologic Evaluations
- Dewatering
- Ground Improvement Analysis & Design
- Laboratory Testing
- Slope Stability & Landslide Investigation & Mitigation
- Instrumentation and Ground Monitoring



Hollywood Fault Study

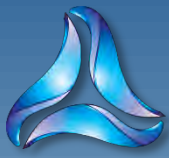
- Pile Drivability & Load Tests
- Seismic Retrofitting Design
- Geologic Reconnaissance & Mapping
- Geophysical Investigations
- Trenching Investigations

ENVIRONMENTAL SERVICES



Tank/Hazardous Materials Sampling

- Phase I Initial Site Assessments (ISAs) / Environmental Site Assessments (ESAs)
- Hazardous Materials Management & Industrial Hygiene
 - Surveys and Investigations
 - Technical Abatement Specifications and Work Plans
 - Abatement and Remediation Monitoring Services
- Phase II Site Investigations (SIs)
- Construction Environmental Compliance
- Phase III Site Remediation
- Stormwater



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FORENSIC SERVICES

- Earthquake Damage Assessments: Causation studies and preparation of repair recommendations.
- Landslide Investigations: Causation studies and/or development of stabilization schemes.
- Construction Vibrations: Vibration monitoring and geotechnical testing.
- Dam Investigations
- Settlement Analyses: Floor level surveys, causation studies and/or preparation of repair recommendations.
- Expansive Soils: Subsurface investigations, preparation of repair recommendations.
- Groundwater: Subsurface investigations, preparation of subsurface drainage recommendation.

TESTING AND INSPECTION SERVICES

Group Delta has two materials testing laboratories located in Anaheim and San Diego, California. Our laboratories are licensed as an approved testing facility by various agencies including the Division of the State Architect (DSA), City of Los Angeles, Caltrans, CCRL and AASHTO. In addition, Group Delta's San Diego laboratory has been awarded accreditation to the technical competence and quality assurance requirements of ISO/IEC 17025:2005 as determined by AASHTO Highway Subcommittee on Materials.

Soils Testing

- Classification & Index
- Strength Tests
- Volumetric Change
- Permeability
- Compaction
- Aggregate/Subgrade

Materials Testing

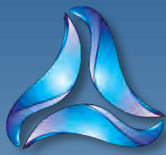
- Asphalt Testing
- Concrete Aggregate
- Concrete Cylinders
- Concrete Beams
- Masonry
- Masonry Unit Cubes
- Masonry Prisms
- Grout/Mortar
- Dry Pack Blocks
- Shotcrete
- Batch Plant Inspections
- Reinforcing Steel
- Structural Steel
- Chemical Physical Properties
- AWS/CWI Welding
- Post-Tensioning
- Epoxy Dowels/Drilled in Anchors
- Pull Testing
- Non Destructive Testing – UT/MT
- High Strength Bolting
- Fireproofing Inspections and Sampling
- Concrete & Masonry Coring and Extraction
- Mix Design Reviews & Trial Batched
- Fiber Wrap Inspection
- Vapor Emissions Testing



Direct Shear, Consolidation & Sand Equivalent Testing



Asphalt & R-Value Testing



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Group Delta meets all the requirements as an approved testing agency with the following local and national accrediting/certification authorities:

- ISO 17025
- AASHTO (American Association of State Highway and Transportation Officials)
- ACI (American Concrete Institute)
- AMRL (AASHTO Materials Reference Laboratory)
- ANSI (American National Standards Institute)
- APWA (American Public Works Association)
- ASNT (American Society of Nondestructive Testing)
- ASTM (American Society for Testing and Materials)
- AWS/CWI (American Welding Society/Certified Welding Inspector)
- California Department of Transportation (Caltrans)
- CCRL (Cement and Concrete Reference Laboratory)



- City of Los Angeles
- DSA (Division of the State Architect)
- ICBO (International Conference of Building Officials)
- NICET (National Institute for Certification in Engineering Technologies)
- UBC (Uniform Building Code)

Inspection

Earthwork Inspection and Testing – Group Delta provides geotechnical observation and testing services for all stages of site grading. Our field compaction testing services are provided by experience soils technicians working under the supervision of licenses professional engineers.

Asphalt Inspection and Testing – Group Delta provides comprehensive asphalt testing and AC Mix Design Services. We are regularly certified by AMRL in our laboratories.

Concrete Inspection and Testing – Group Delta’s concrete inspection and testing staff is re-certified bi-annually by the Cement and Concrete Reference Laboratory (CCRL) and annually by Caltrans. Our ACI certified concrete technicians perform field and batch plan sampling of concrete materials to assure compliance with project specifications.

Specialty Construction Inspection – Group Delta provides experienced special inspectors licensed by the International Code Counsel (ICC) for Sprayed Applied Fireproofing, Structural Masonry, Structural Steel Bolting and Welding, Pre-Stressed Concrete, and Reinforced Concrete. Group Delta can also provide Certified Welding Inspectors (CWI) licensed by the American Welding Society (AWS) and non-destructive testing such as mag-particle and ultra-sonic testing.

Group Delta Technicians & Inspectors hold the following certifications:

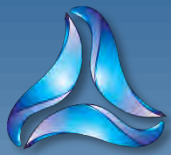
ICC Inspection

- Masonry
- Structural Steel/Welding
- Concrete
- Fireproofing
- Pre-Stressed Concrete
- Concrete

Caltrans Certified

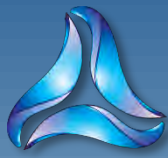
- Materials Testing
- Soils Testing
- Nuclear Gauge Safety
- ACI Certified Concrete
- Soils

City of LA Deputy Inspector



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PROJECT EXPERIENCE



GROUP DELTA

**DESIGN-BUILD
\$28 MILLION**

DORSEY HIGH SCHOOL Los Angeles, CA

Project Highlights

- First Los Angeles Unified School District Design-Build Project which included a new gymnasium and ninth grade academy classroom building
- Low noise/vibration pile installed on an active school campus
- First auger cast piles project for LAUSD

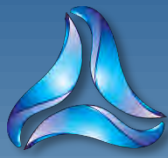
Group Delta Highlights

- Provided materials testing for Los Angeles Unified School District's first design-build project
- Geotechnical oversight provided through construction
- Quality control inspection services



Project Information

Client:	Los Angeles Unified School District (LAUSD)
Owner:	LAUSD
Total Cost:	\$28 Million
Completed:	2014



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ROBERT F. KENNEDY COMMUNITY SCHOOLS Los Angeles, CA

Project Highlights

- **Largest capital project expenditure** for Los Angeles Unified School District at \$575 Million
- First DSA approved use of a soil nail wall for a LAUSD project
- Original Ambassador Hotel site and Coconut Grove Night Club
- Three campuses – K-5, middle school and high school

Group Delta Highlights

- Provided geologic seismic hazard evaluations and reports
- Design level geotechnical investigation, reports and design recommendations
- Materials investigation of the historic hotel and quality control inspection services for construction materials



Project Information

Client:	Los Angeles Unified School District (LAUSD)
Owner:	LAUSD
Total Cost:	\$575 Million
Completed:	2012



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COSTA MESA HIGH SCHOOL & MIDDLE SCHOOL Costa Mesa, CA

Project Highlights

- Improvements to the current high school building and the addition of a new middle school building on the existing campus
- Added 350-seat theater and enclave building as part of the Measure F School Improvement Program
- 65 ft. clock tower was added to the campus

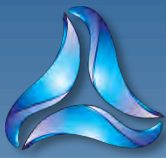
Group Delta Highlights

- Group Delta was the Geotechnical Engineer of Record
- Provided geotechnical review and comments for the previous geotechnical report
- Provided investigation and foundation recommendations for new buildings including the Theater, Enclave Building, and 65 ft. Clock Tower



Project Information

Client:	Newport Mesa School District
Owner:	Newport Mesa School District
Total Cost:	\$42 Million
Completed:	2014



FREMONT HIGH SCHOOL Los Angeles, CA

Project Highlights

- Project constructed as part of Plan of Improvements for the campus
- Included a new 2-story student union building, addition to the gym and modernization of the Administration building and the campus utility system

Group Delta Highlights

- Provided design level Geotechnical Report and geologic seismic hazard evaluation
- DSA deputy inspection: Soils, Concrete, Rebar, Grout, Shop, Field Welding, Structural Steel, Bolts, Masonry, Fire Proofing, and Lab Testing
- Drilled piles installed to support student union



Project Information

Client:	Los Angeles Unified School District (LAUSD)
Owner:	LAUSD
Total Cost:	\$1 Million
Completed:	2015



VICTOR VALLEY USD GOODWILL EDUCATION CENTER Victorville, CA

Project Highlights

- Campus consists of new classroom buildings, multi-purpose building and gymnasium
- School became one of seven high schools in Victorville

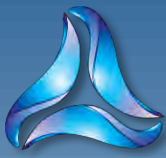
Group Delta Highlights

- Provided Phase I ESA evaluation and geotechnical evaluation for the site
- Provided DSA Structural Testing including all earthwork compaction testing, batch plant inspection, welding inspection, masonry inspection, high strength bolting inspection, chemical testing of steel materials and Glu-Laminated timber inspection



Project Information

Client:	Victor Valley Unified School District (VVUSD)
Owner:	VVUSD
Total Cost:	\$2.8 Million
Completed:	2009



GARFIELD HIGH SCHOOL Los Angeles, CA

Project Highlights

- New 21,300 ft² Auditorium with two story steel braced frame and 10,000 square feet basement
- New 3-story classroom and administration building
- Shoring required to protect adjacent improvements, including extensive utilities present

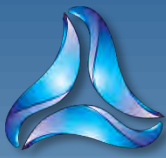
Group Delta Highlights

- Conducted geotechnical investigation and provided geotechnical design repair recommendations
- Provided deputy inspection in the field, shop steel fabricator inspections in California, Oregon, Minnesota and Canada
- Provided quality control water testing for glass wall curtains



Project Information

Client:	Los Angeles Unified School District (LAUSD)
Owner:	LAUSD
Completed:	2014



MAXINE WATERS EMPLOYMENT CENTER Los Angeles, CA

Project Highlights

- Phase II consisted of 8,100 sq. ft. multi-use building
Construction including welding 8,600 sq. feet
- New 9,900 sq. ft. automotive building

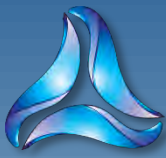
Group Delta Highlights

- Eliminated pile foundations for Phase II that were recommended by another consultant saving the project \$300,000 to \$400,000 in cost reduced construction time
- Provided design level geotechnical investigation, geologic seismic hazard evaluation and DSA inspection



Project Information

Client:	Los Angeles Unified School District (LAUSD)
Owner:	LAUSD
Total Cost:	\$50 Million
Completed:	2005



VISTA DEL VALLE DUAL LANGUAGE ACADEMY San Fernando Valley, CA

Project Highlights

- New elementary school campus, approximately 4-acre site
- Native soils contained extensive cobbles that required crushing to reuse as fill
- School facilities include classrooms, library, multi-purpose room, food service and lunch shelter, administration, playfields, and underground parking

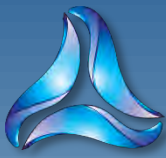
Group Delta Highlights

- Provided design level geotechnical investigation, geologic and seismic hazard evaluations and DSA level construction services
- Construction phase services: soil testing, materials inspection and testing, including concrete, grout, rebar, structural steel, welding, masonry block, fireproofing, pull tests, bolts and laboratory testing



Project Information

Client:	Los Angeles Unified School District (LAUSD)
Owner:	LAUSD
Total Cost:	\$48 Million
Completed:	2010



VALLEY REGIONAL SPAN K-8 Porter Ranch, CA

Project Highlights

- 10.5 acre site located on south flank of Santa Susana Mountains
- Site grading included placement of 500,000 cubic yards of fill, ranging from 50 to 70ft. thick
- Eight campus buildings: classrooms, administration, library, multi-purpose, gymnasium, food service, playfields and surface parking

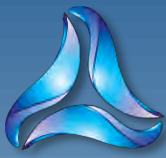
Group Delta Highlights

- Provided design level geotechnical investigation and geologic seismic hazard evaluations
- Evaluation of site for potential uplifting/tilting due to nearby faults
- Provided construction phase geotechnical and materials inspection and testing



Project Information

Client:	Los Angeles Unified School District (LAUSD)
Owner:	LAUSD
Total Cost:	\$77 Million
Completed:	2012



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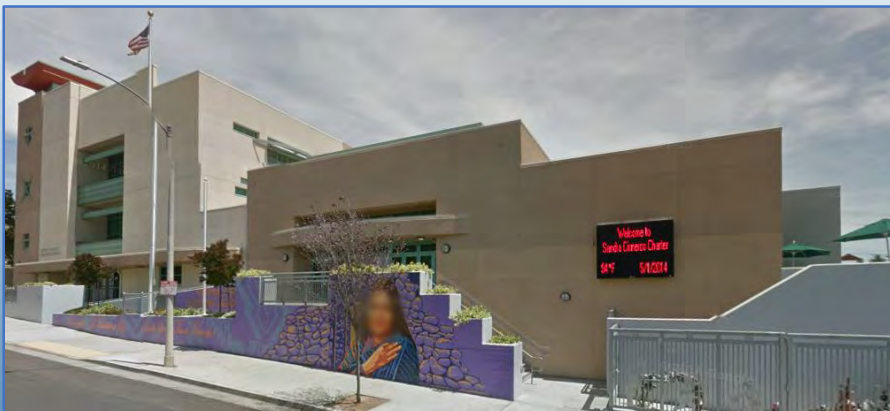
SANDRA CISNEROS LEARNING ACADEMY Los Angeles, CA

Project Highlights

- New Elementary school campus, approximately 3.4-acre site
- Facility includes new classrooms, library multi-purpose room, lunch shelter, administration building, playfields and underground parking
- Site pad ranges up 10 to 20 feet below adjacent grades, requiring shoring and high retaining walls

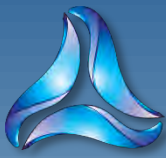
Group Delta Highlights

- Provided design level geotechnical investigation, geologic and seismic hazard evaluations
- DSA level construction phase services included soil testing, materials inspection and testing, concrete, grout, rebar, structural steel, welding, masonry block, fire proofing, pull test, bolts and laboratory testing



Project Information

Client:	Los Angeles Unified School District (LAUSD)
Owner:	LAUSD
Total Cost:	\$70 Million
Completed:	2011



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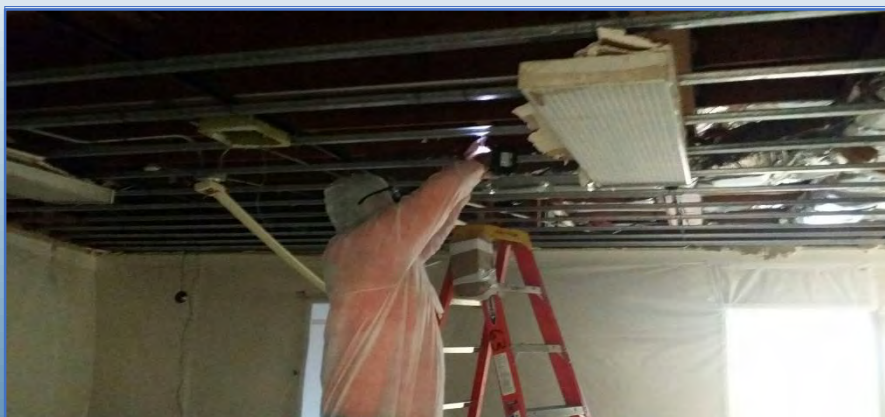
CARLSBAD UNIFIED SCHOOL DISTRICT Carlsbad, CA

Project Highlights

- Modernized 6 school campuses (Buena Vista ES, Carlsbad HS, Hope ES, Kelly ES, Magnolia ES and Valley MS) built in the 1950's – 1970's
- Complete modernization and ADA compliance upgrades including site work
- Demolition of old gymnasium and construction of a new gymnasium at Carlsbad HS

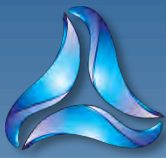
Group Delta Highlights

- Hazardous materials surveys and abatement specifications completed for all sites within 6 weeks
- Hazardous materials abatement monitoring conducted simultaneously at all schools
- No change orders or schedule delays related to hazardous materials
- Projects completed under budget and on time



Project Information

Client:	Carlsbad Unified School District
Owner:	CUSD
Total Cost:	\$70,000
Completed:	2015



CHULA VISTA ELEMENTARY SCHOOL DISTRICT Chula Vista, CA

Project Highlights

- Modernized 6 school campuses (Rice, Castle Park, Rosebank, Hilltop, Allen, Vista Square ES's) built in the 1930's – 1950's
- Infrastructure upgrades included wireless technology, new HVAC, and energy efficient lighting; ADA compliance upgrades throughout buildings
- Each campus was completed in 3 months

Group Delta Highlights

- Projects completed on a rush summer schedule
- Overtime and weekend work was needed to complete the project
- No change orders or schedule delays related to hazardous materials
- Updated the AHERA Management Plan for the district once the projects were completed



Project Information

Client:	Chula Vista Elementary School District
Owner:	CVESD
Total Cost:	\$180,000
Completed:	2015