



SOURCE INSPECTION SERVICES

- SIQMP
- SMR
- Inspectors
- Caltrans Audits
- Testing Lab Coordination

MATERIALS ENGINEERING SERVICES

CALDROP Structural Materials Representatives (SMRs) are licensed engineers who serve as the primary point of contact for materials engineering and coordination concerns. One of the primary roles of the SMR is the development, submission and revision of the Source Inspection Quality Management Plan (SIQMP) as needed. The SMR also coordinates inspections, conducts pre-fabrication meetings, reviews contractor and fabricator Quality Management Plans and assists the construction administration staff with all materials issues. SMRs additionally conduct audits of fabrication facilities and perform fit for purpose engineering evaluations of non-conforming materials and workmanship.

SOURCE INSPECTION QUALITY MANAGEMENT PLAN

CALDROP offers turnkey Source Inspection Quality Management Plan (SIQMP) development and related services for implementation on specific projects as required by Caltrans Construction Policy Directive 12-03. CALDROP assists CM firms, municipalities, counties and other public agencies in identifying and performing the necessary scope of source inspection and materials inspection to assure the successful completion and acceptance of projects involving Caltrans Right-of-Way.

SAMPLING AND TESTING OF MATERIALS

CALDROP inspectors handle the identification, selection, sampling and shipping of structural materials for quality assurance testing to be performed at the project's independent testing laboratory for items such as structural fasteners, epoxy coated rebar, elastomeric bearings, mechanical reinforcing couplers, welded reinforcing hoops, pre-stressing strands, ductile iron castings, joint seal materials, paints and sign panel materials.

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SOURCE INSPECTION AND JOBSITE QUALITY ASSURANCE SERVICES

CALTROP materials inspectors have many years of training and experience and carry a wide range of industry-standard certifications, including those from the American Welding Society (Certified Welding Inspectors, CWI), the American Society for Nondestructive Testing (Nondestructive Testing Technicians, NDT Levels II and III), Precast / Pre-stressed Concrete Institute (Quality Personnel Certification, PCI Levels I, II and III) and American Concrete Institute (ACI Field Testing Technician), Certified Coating Inspectors, NACE Levels II and III. CALTROP inspectors are also knowledgeable about Caltrans and LACMTA specifications and American Society for Testing and Materials (ASTM) standards.

- **Concrete:** CALTROP conducts source inspection on numerous items including:
 - Girders
 - Piles
 - MSE Panels
 - Bridge Deck & Pavement Panels
 - Reinforced Concrete Pipe
 - Box Culverts
- **Steel:** CALTROP conducts steel inspection on items such as:
 - Girders
 - Pipe Piles
 - Pedestrian Overcrossings
- **Specialty Structural Items:** CALTROP inspects specialty items at the source including:
 - High Strength Fasteners
 - Epoxy Coated Rebar
 - Welded Rebar Hoops
 - Elastomeric and PTFE Bridge Bearings
 - Overhead Sign Structures
 - Signal and Lighting Poles
 - Joint Seal Assemblies

CALTROP OFFICE LOCATIONS

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SELECTED CITY-ADMINISTERED PROJECTS

- I-5 / Duncan Canyon, City of Fontana
- SR-60 / Moreno Beach Drive, City of Moreno Valley
- 4th Street Improvement, City of Madera
- Moorpark Soundwall Project, City of Moorpark
- Sand Canyon Widening at Interstate 5, City of Irvine
- John S. Gibson Interchange on Rte 110, Port of Los Angeles

SELECTED CALTRANS PROJECTS

- San Francisco-Oakland Bay Bridge West Span, District 4
- Schulyer Heim Bridge Replacement, Port of Long Beach, District 7
- Brawley Bypass, District 11
- West County Connectors, Orange County Transportation Authority, District 12
- SR-91 Widening, Orange County, District 12
- SR-57 Widening, Orange County, District 12
- Santa Maria River Bridge Widening, District 5
- Britannia Overcrossing, San Diego, District 11
- Crown Valley Parkway, Laguna Niguel, District 12
- Gene Autry Way and HOV Exit, Anaheim, District 12
- I-5 / SR-14 Interchange, Santa Clarita, District 7
- I-5 HOV Corridor Widening, Los Angeles, District 7
- I-15 Managed Lanes, San Diego, District 11
- Mission Road Overhead, San Marcos, District 11
- SR-91 HOV Lanes and Widening, Riverside, District 8
- SR-18 Bridge Replacement, Big Bear, District 8
- US-101 Widening, Santa Barbara, District 5

SELECTED DESIGN-BUILD PROJECTS

- Gerald Desmond Bridge Replacement, Port of Long Beach, Metro, Caltrans District 7
- I-405 / Sepulveda Pass Improvement, Metro, Caltrans District 7