

REPRESENTATIVE CALTRANS & FWHA PROJECTS

CGi has provided materials testing and special inspection services for numerous FHWA projects throughout northern California and Nevada. For most of these projects, CGi personnel provided all aspects of Quality Control Supervision (QCS) for the duration of the projects and maintained close working relationships with FHWA inspectors. QCS services included:

- Earthwork observation and compaction testing;
- Special inspection of pipeline, concrete, reinforcing steel, erosion control placement;
- Sampling and testing of specified soils, concrete, and reinforcing steel;
- Documentation of material volumes utilized during construction;
- Inspection and performance/proof testing of soil nails, tiebacks, and tendons;
- Inspection of mechanically stabilized earth (MSE) walls;
- Inspection of soldier pile and tie-back walls;
- Inspection of concrete cantilever walls;
- Inspection of subdrain and drainage pipeline construction;
- Asphaltic concrete mix designs; and
- Inspection, sampling, and testing of asphaltic concrete.

The following table presents information on some of the FHWA projects in which CGi has provided services:

Recent FHWA Projects				
Year	Route	Location	Distance (miles)	Description
2002	Lower Mad River Road	Ruth Lake	2.5	Extensive earthwork and drainage improvements.
2004	Forest Highway 93	Callahan	15	Extensive earthwork and drainage improvements.
2005	Forest Highway 93	Callahan	15	Extensive earthwork and drainage improvements.
2005	Daylight Pass Road	Death Valley	12	Gabion basket walls. Extensive earthwork and drainage improvements.
2006	Gold Lake Highway	Gold Lake	7.5	Extensive earthwork and drainage improvements.
2006/07	Forest Highway 119	Oroville	4	Numerous large MSE walls. Extensive earthwork and drainage improvements.
2007/2008	Lassen Park Road	Lassen NP	7	Extensive earthwork and drainage improvements.
2008/2009	Forest Highway 114	Hyampom	3.8	Numerous large MSE walls, soil nails, concrete retaining walls. Extensive earthwork and drainage improvements.

CGi has also provided materials testing and special inspection services to contractors constructing numerous Caltrans projects. Those projects have been performed throughout California, with the majority occurring in central and northern portions of the state. Our services have included:

- Earthwork observation and compaction testing;
- Sampling and testing of specified soils and concrete;
- Documentation of materials volumes utilized during construction;

- Inspection of soldier pile and tie-back walls;
- Asphaltic concrete mix designs;
- Inspection, sampling, and testing of asphaltic concrete; and
- Profilographing (CGi owns three profilographs) of paved surfaces.

CGi has performed numerous third-party resolution projects to assist Caltrans and contractors on issues arising on construction projects. In addition, CGi's personnel, at the request of Caltrans, have provided instruction regarding AC placement and design to Caltrans personnel, contractors, and other consultants.

The following table presents information on some of QC/QA projects in which we have provided services:

Caltrans District	No. of Completed Projects	Dollar Value of Construction
1	12	\$50 Million
2	40	\$200 Million
3	6	\$100 Million
4	2	\$25 Million
6	25	\$90 Million
10	3	\$15 Million

Those services have been performed on numerous state highways, including: I-5, I-80, 101, 299, 36, 3, 89, 33, 99, 168, 198, 41, 46, 180, 273, 580, 44, 680, 70, 1, 20, 395, 97, 65, 145, 190, 63 and many more throughout the state.