

Years in Practice – 30

Education

BS, Civil Engineering, University of California, Davis

Registrations

California Professional Civil Engineer – License No. C39542

Certifications

Caltrans Information Security and Privacy Awareness – 2009

Experience Summary

Mr. Flaherty has over 30 years of experience in civil engineering and construction in both the private and public sectors. Before joining VC&A he spent 10 years as a senior resident engineer and resident engineer for Caltrans. His projects have included new bridge construction, bridge widening, highway widening and reconstruction, interchange construction and reconstruction, local roadway construction, drainage, retaining walls, traffic signals, utility rerouting and reconstruction, and other activities. Mr. Flaherty also spent 8 years with the US Army Corp of Engineers as a project engineer for both civil and structural project and as a senior engineer in a construction support role. Mr. Flaherty is a highly effective supervisor and manager of diverse staffs, and he has demonstrated excellent communications skills coordinating projects with concerned citizens and public and regulatory agencies. He is also experienced with staged construction, CPM schedule development (he developed the CPM schedule for the \$70 million Donner 1 project), and defending clients against contractor claims. Mr. Flaherty is trained to teach the class for claims presentation to a Disputes Review Board.

Selected Project Experience

U.S. 50, MISSOURI FLAT INTERCHANGE, PHASE 1B

County of El Dorado – Placerville, California

Mr. Flaherty served as the Resident Engineer providing construction support services on this project consisting of constructing auxiliary lanes along U.S. 50 between Missouri Flat Road and Placerville Drive/Forni Road. It also includes widening and retrofitting Weber Creek Bridge; constructing retaining walls; performing road work and electrical work; and, constructing a bicycle/pedestrian path along the eastbound auxiliary lane.

CAMP CONCORD BATH HOUSE RENOVATION

City of Concord - South Lake Tahoe, California

Mr. Flaherty served as the Resident Engineer providing construction management services, including inspection and contract administration for the refurbishment of the City of Concord's Camp Concord Bath House in South Lake Tahoe. The construction consisted of removal of trees, the partial demolition of the existing bath house, then constructing a bath house and auxiliary room in a new configuration with a new roof. The work included close coordination with the U.S. Forest Service, whose land the camp is located on, the El Dorado Building Department Inspector, the Camp Director and the City of Concord personnel, who were located some 200 miles from the construction site. The work was constrained into a short period of time due to the continued use of the camp in the summer months and the beginning of the winter season at the end of the year. Due to the efforts of VC&A, the project was completed before the onset of the winter weather with all external parties approving the work.

SOUTH Y INTERSECTION

City of South Lake Tahoe – South Lake Tahoe, California

Mr. Flaherty was the Resident Engineer for this 11-stage project to expand the busy intersection of State Routes 89 and 50 in El Dorado County. Work included reconstructing and adding turn lanes, revising traffic signalization, landscaping the intersection, and more. Project challenges included coordination with Caltrans; extensive utility coordination and traffic control; nighttime paving in the Lake Tahoe Basin; erosion control in the Lahontan Region of

the Regional Water Quality Control Board; federal funding documentation; and, public relations with local businesses and commuters.

CONSTRUCTION IMPROVEMENTS ON STATE ROUTE 99 IN CHICO AND GRIDLEY

Butte County Association of Governments – Chico, California

Mr. Flaherty was the Resident Engineer for two highway improvement projects on State Route 99. The SR99/East First Avenue Undercrossing in Chico was a three-phase project that widened the northbound East First Avenue off ramp, which included night work; constructing a retaining wall along the northbound off ramp; widening the East First Avenue intersection to match the increased capacity of the widened northbound off ramp; and, also accommodated signal modifications. The SR99/East Gridley Road to Ford Avenue in Gridley involved widening the roadway to five lanes; a continuous two-way left-turn lane; reconstructing and improving roadside drainage facilities; and, reconstructing and modifying signals within the project limits at intersections. Traffic control, public relations and erosion control were critical project elements, which Mr. Flaherty and his team managed.

STATE ROUTE 49 / PLAZA INTERSECTION

Placer County Department of Public Works – Auburn, California

Mr. Flaherty was the Resident Engineer for a five-stage project that involved widening State Highway 49 from four to six lanes for approximately 0.4 miles; constructing retaining walls; installing a signalized intersection with turn pockets and turn lanes; and, modifying a traffic signal. Due to the presence of hazardous materials, soil excavations were closely monitored to ensure zero exposure to construction personnel and the public. Highway 49 is a heavily traveled commuter route, so traffic flow was maintained to local businesses at all times. For this reason, and because the project was undertaken in conjunction with Caltrans' Safety Operations Project, coordination with Caltrans was critical to avoid conflicts and delays. Mr. Flaherty's duties included reviewing schedules; reviewing and approving contractor progress payments; reviewing and negotiating contract change orders; coordinating inspection/materials testing; managing project documentation; chairing weekly progress meetings; preparing monthly project reports; and, coordinating with multiple parties.

TRUCKEE RIVER CANYON PROJECT CONSTRUCTABILITY REVIEW

Truckee, California

Mr. Flaherty performed an independent constructability review on this project for Caltrans. The project involves reconstructing Interstate 80 from the Nevada State line to Acid Flat Bridge, approximately 5.5 miles. Mr. Flaherty presented constructability comments that revealed issues with the design resulting in re-staging the construction to avoid potential claims in the construction contract. In addition, several missing elements of the specifications and plans were noted, resulting in a more complete and biddable construction contract.

GRANT LINE ROAD / STATE ROUTE 99 INTERCHANGE RECONSTRUCTION

City of Elk Grove – Elk Grove, California

Mr. Flaherty provided scheduling support and Time Impact Analysis for a five-phase project to replace an existing overcrossing with a two-span bridge while overpass traffic was maintained. The new structure is a cast-in-place post-tensioned concrete box girder with the capacity to carry eight lanes of vehicular traffic plus sidewalks, shoulders, and a concrete median. In addition, Grant Line Road was elevated and widened, and local streets realigned. Also involved were various utility relocations and improvements, significant coordination with regulatory agencies, and public relations with residents and businesses. **This project received the 2009 Tranny Interchange Project of the Year Award from the California Transportation Foundation, and the 2009 Transportation Project of the Year Award from the American Public Works Association, Sacramento Chapter.**