



Proven Environmental Project Delivery on Transportation Programs

Extensive Caltrans Experience

Entech Consulting Group has extensive experience working in multiple Caltrans districts to develop air quality and noise discipline reports in conformance with Standard Environmental Reference (SER) guidance. Our process for developing technical reports is collaborative, conveys the goals of the noise analysis and reaches consensus on potential environmental issues related to project design. We have worked with Caltrans Districts 6, 7, 8, 11, and 12 in conducting noise monitoring, modeling, and abatement analysis for NSR and NADR technical report development. Further, we perform air quality analyses to meet transportation conformity requirements.



District 6: Fresno, Kern, King, Madera, and Tulare Counties

Entech is currently providing environmental services to meet CEQA/NNEPA environmental documentation requirements for the Thomas Road Improvement Program (TRIP) in the City of Bakersfield. Entech is conducting the air quality conformity and GHG analyses for both the Rosedale Highway Widening Project and the Centennial Corridor Project. Entech also developed the noise study report and the noise abatement decision report for the Rosedale project. Fourteen noise walls were analyzed for the Rosedale project to decrease potential noise impacts at sensitive receivers. The fourteen barriers were analyzed to determine which barriers would provide feasible abatement and cost reasonableness per guidance.



A MWBE/SBE/DBE/UDBE Certified Company

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District 8: Riverside and San Bernardino Counties

Entech lead the noise study effort for the realignment of SR 79 and the Railroad Canyon Interchange project, both in Riverside County. For both projects, Entech employed a collaborative approach to building consensus with Caltrans reviewers to expedite approval of the NSR and NADR. In particular, for the SR 79 project, it was anticipated that through the evolution of the project design alternatives and segments would be refined triggering updates to the noise analysis. Entech worked with Caltrans District 8 staff to develop a streamlined process that would minimize the number of iterations required to approve the analysis.



District 12: Orange County

Entech developed the noise study report for the I-5 HOV project between Avenida Pico and San Juan Creek Road in Orange County, California. Four alternatives were analyzed as part of the Draft IS/EA. Entech submitted a noise protocol to Caltrans District 12 for approval of noise analysis assumptions and identifying areas of potential issues. Entech understood the need for presenting a consistent assessment of existing noise levels was paramount as concurrent noise studies were either being developed or approved. Research was performed to identify other studies that had been developed in the area to incorporate analysis assumptions for consistency. These assumptions included identify appropriate truck percentages on mainline, vehicle distributions, the use of k factors for noise model calibration to account for rubberized asphalt and the complexity of terrain and other recommend and approved abatement. Further, a review was performed during the analysis to evaluate the effects of parallel sound walls as reflective noise would have the potential to increase noise and degrade wall performance.