

Representative Roadway Improvement Projects

j.c. brennan & associates, Inc.

⇨ **S.R. 99 Widening and S.R. 99/Hammer Lane Interchange Analysis**

Location: San Joaquin County/City of Stockton
Client: PAR Environmental
Contact: Gary Maniery, (916) 798-6864

A CEQA/NEPA analysis was prepared to address operational improvements including alternative interchange ramp configurations, roadway widening and potential mitigation measures. Noise impacts were evaluated at adjacent noise sensitive uses. This project requires Caltrans/FHWA approval and local jurisdictional approval. Noise impacts were compared to the local jurisdiction General Plan Noise Element, and the Caltrans traffic noise analysis Protocol.

The analysis included onsite noise measurements and modeling of existing and future traffic noise levels using the Caltrans Sound 32 traffic noise prediction model.

⇨ **El Dorado County Intersection Improvement Projects**

Location: El Dorado County, California
Client: Pacific Municipal Consultants
Contact: Patrick Angell, (916) 361-8384

Traffic noise measurements were conducted along the project site to calibrate the Federal Highway Administration (FHWA RD-77-108). An analysis was conducted to determine the noise impacts associated with the intersection improvements. Noise levels were compared to the El Dorado County General Plan Noise Element criteria, and a report was prepared which detailed the methodology and results of the analysis.

⇨ **Silva Parkway Project**

Location: El Dorado County, California
Client: EDAW, Inc.
Contact: Kurt Legleiter, (916) 414-5800

j.c. brennan & associates, Inc. quantified general construction-related noise sources and noise levels associated with the roadway improvement project. Acoustical literature, noise measurement data and file data were all used for the analysis of the construction noise levels. The predicted noise levels were projected to the nearest potentially affected noise-sensitive receiver locations through use of accepted sound propagation methodologies. The noise impacts were compared to the existing noise environment and against the applicable local noise standards. j.c. brennan & associates, Inc. provided recommendations for noise mitigation measures. A written report was prepared which detailed the methodology and results of the analysis.