

Long Term Evaluation of Open Graded Asphalt for the Reduction of Traffic and Tire/Pavement Noise

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Caltrans has been conducting noise studies of open grade asphalt on freeways. The I-80 study of an open grade asphalt overlay has been ongoing for nearly 4 years. Caltrans is also conducting an extensive study of new asphalt pavements on State Route 138.

This presentation details the ongoing noise performance of an open graded asphalt surface installed on a portion of Interstate I-80 near Davis, California, in 1998. The 4-year data from the I-80 study will be available. Traffic noise data is compared to new and old dense graded asphalt at the same site, TNM model predictions and tire/pavement sound intensity results. The presentation also describes extensive pavement noise research activities that Caltrans is conducting.

FYI the I-80 Davis Study is available through Caltrans website at:
<http://svhqsg4.dot.ca.gov/hq/env/noise/index.htm>