

PROPOSAL FOR SERVICES

RETROFIT SOUNDWALL CORRIDOR STUDY



LSA

May 2014



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May 23, 2014

Tony Boren, Executive Director  
 Fresno Council of Governments  
 2035 Tulare Street, Suite 201  
 Fresno, California 93721

Subject: Proposal for Services, Retrofit Soundwall Corridor Study

Dear Mr. Boren:

LSA Associates, Inc. (LSA) is pleased to submit this proposal to prepare the noise reduction screening for a Retrofit Soundwall Corridor Study for qualifying existing residential locations. Our key qualifications for conducting this work are: (1) experience with similar studies conducted in compliance with Caltrans/FHWA; (2) assignment of individuals who have conducted such work; and (3) our ability to complete the work within the allocated budget.

Tung-chen (Tony) Chung, Ph.D., will serve as Principal-in-Charge. He has completed over 750 noise studies for community and transportation projects, including field measurement, modeling, and data analysis. Amy Fischer, Manager of LSA's Fresno office will serve as the day-to-day Project Manager; and Jason Lui, Noise and Air Quality Specialist conduct the majority of the field and technical work. Tony, Amy, and Jason have all managed or participated in the acoustical analysis of soundwall projects, as described in this proposal. Signing the letter is Rob McCann, President of LSA. He is authorized to negotiate and contract on behalf of the firm. As the primary point of contact with the Agency, Amy's contact information is as follows:

Amy Fischer, Associate  
 LSA Associates, Inc.  
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BY: FRESNO COG

LSA is not a DBE.

We think that our experience can help the COG assess the need for noise mitigation in neighborhoods adjacent to state highways. As is always the case with our proposed scope, budget and schedule, we are open to suggestions for refinement and look forward to discussing the project with you in more detail.

Sincerely,  
 LSA ASSOCIATES, INC.

Rob McCann  
 President

Amy E. Fischer  
 Associate/Project Manager

# 1. INTRODUCTION

## UNDERSTANDING OF PROJECT

The Fresno Council of Governments (Fresno COG) is seeking assistance of an acoustical consultant to prepare a Retrofit Soundwall Corridor Study for a number of locations along various corridors adjacent to the state routes in Fresno County. Routes have been identified with qualifying existing residential developments along eligible portions of the existing state routes impacted by traffic noise. The analysis would be conducted as a Type II Retrofit Noise Abatement Program, with the final report following the noise study report (NSR) guidance from the Caltrans Division of Environmental Analysis as approved by the Federal Highways Administration. The Retrofit Soundwall Corridor Study will document and assess noise levels at the identified locations and will prioritize future soundwall barrier projects to attenuate noise levels by a minimum of 5 decibels.

As the Principal-in-Charge for the Retrofit Soundwall Corridor Study, Dr. Tony Chung will lead the LSA project team; Amy Fischer, Associate and manager of LSA's Fresno office, will be the day-to-day Project Manager; and Jason Lui, Senior Noise Specialist, will serve as the noise modeling specialist. This proposal describes the LSA project team and demonstrates our understanding of the work to be performed through a detailed scope of services and a schedule of activities and major deliverables. A detailed cost proposal, including staff hours by task and all overhead costs, is provided under separate cover.

The analysis and reporting methods for this scope of work will be performed in accordance with the methodology and procedures recommended in the Caltrans Traffic Noise Analysis Protocol, May 2011, and Technical Noise Supplement, September 2013. According to the Request for Proposals, this project is identified as a Type II Retrofit Noise Abatement Project; as such, the project is a noise abatement project that involves no changes to highway capacity or alignment. This scope of work includes both long-term and short-term noise measurements. Roadway traffic noise modeling will be performed using the Federal Highway Administration (FHWA) approved Traffic Noise Model (TNM) 2.5. The NSRs will be prepared using the latest version of the NSR outline available on the Caltrans Standard Environmental Reference website.

Each LSA project team member has more than 10 years of experience in noise impact analysis. Amy Fischer was previously the Project Manager for a retrofit noise abatement project with 22 locations conducted in Santa Clara County for the Santa Clara Valley Transportation Authority. LSA has completed multiple retrofit noise abatement analysis projects for Orange County Transportation Authority. Our recent project experience also includes the completion of NSRs for the Interstate 5 North Stockton Corridor project for the City of Stockton, and the State Route 99 and Pelandale Avenue interchange project.