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Subject : Noise Assessment for Frick Springs Bridge Project

The City of Lompoc addresses the potential impacts of nuisance noise in their Noise Element (Plan). The Plan fulfills the requirement of Government Code 65302(f) that seeks to, "...minimize the exposure of community residents to excessive noise." The Plan has set interior and exterior noise standards for varying land uses. The standards are based on the Community Noise Equivalent Level (CNEL) scale. The proposed project site topography and land use closely resembles an open space or residential area. According to the Plan, exterior noise should not exceed 60 CNEL for these land uses.

The proposed project will not increase noise or vibrations above standards outlined in the Plan. Day to day operations associated with the water collection facility will not change so operational noise will remain the same. Vehicular noise will remain the same since vehicular volume and speeds on Miguelito Canyon Road will not increase as a result of this project.

Construction noise should not exceed standards outlined in the Plan for sensitive receptors. Aerial photos show a residential/farm houses approximately 400 feet from the proposed project. These structures appear to be the only sensitive receptors within the immediate vicinity of the project. The amount of the increased noise during construction would vary with the types and models of equipment used, and the distance residences are from active work areas. The following steps can be taken to minimize noise impacts.

- Heavy equipment will be limited to two or three vehicles working at any given time since the site topography limits access to the project site.
- It is anticipated that construction will only take place during normal working hours (8am to 5pm).
- Construction equipment should be fitted with proper muffling devices.

The Frick Springs Bridge will be a pre-fabricated structure that is lowered into place by a crane. Vibratory or impact pile driving is not needed for the installation of this structure. Ground borne vibration and noise is not anticipated during bridge construction.