



**San Diego County Regional
Airport Authority**

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Construction Costs:
From \$35,000 to \$120,000 per
dwelling unit

San Diego County Regional Airport Authority Quieter Home Program

Summary Scope of Work:

In response to the Airport's planned program acceleration, The Jones Payne Group was hired to increase the existing capacity of the Quieter Home Program. After successfully completing sound insulation treatments on 700 homes in eight years, the Airport was ready to maximize its design and construction schedule. By adding Jones Payne and incrementally increasing the Program pace up to 600 homes/dwelling units per year, 9,000 impacted housing units are anticipated to be sound insulated in 15 to 20 years.

The Jones Payne Group Team of architects, mechanical and electrical engineers, historians and acoustical engineers provides design services to this diverse and challenging program. Located in the heart of scenic San Diego, the noise-impacted neighborhoods include Loma Portal, Ocean Beach and Banker's Hill.

Many of the homes in these neighborhoods pre-date the airport and require historic review and specially designed treatments. The Team conducts historical surveys consistent with Section 106 of the National Historic Preservation Act on all homes in the program. Before the assessment teams visit the homes, the determination has been made as to whether or not a home must be treated with products consistent with historic guidelines. This pre-determination allows all of the homes to proceed through the design process without delay.

In addition to historic issues, a large number of the eligible properties are custom-designed, considerable in scale, and unairconditioned. There are few typical suburban homes in the noise contour. These factors make sound insulation in San Diego one of the most unique and expensive programs in the country.

Sound insulation treatment includes window and door replacement, the installation of HVAC, and electrical upgrades to support the HVAC.

Key Service Elements of the Program Include:

- Cultural Resources Survey (historical significance)
- Home Assessment and Noise Measurement Visits
- Acoustic Design
- Architectural Design, Details, Specifications
- Pre-Construction
- Construction Support (as needed)
- Post Construction Reporting

