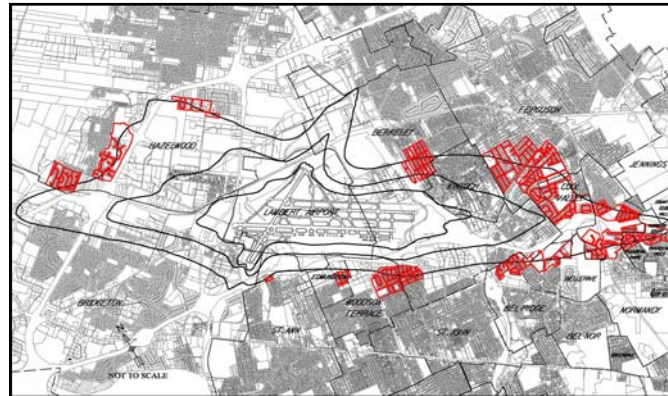


Residential Sound Insulation Program

The FAA approved FAR Part 150 Noise Mitigation Program for Lambert-St. Louis International Airport provides for a residential sound insulation program and a residential noise and aviation easement purchase program. These programs are offered to homeowners within the 1999 65-70 DNL noise contours who have clear title to their property (no judgments, bankruptcy, etc.). Where a homeowner does not wish to sound insulate his/her home, the homeowner may elect to sell an aviation easement to the City of St. Louis in exchange for easement compensation. Homes must be in good condition and meet local Building Code requirements. If the home is in disrepair, the homeowner must make the necessary home repairs before participating in the sound insulation program. To be eligible for these programs, the homeowner must have owned the property on or before **January 10, 1997**. These programs are voluntary.

The City of St. Louis conducted a pilot program in areas around the airport to assess the effectiveness of the acoustical treatments. The targeted areas were Ferguson/Cool Valley, Woodson Terrace and Hazelwood. The pilot program included the sound insulation program and the aviation easement purchasing program. As part of the sound insulation program, a sampling of homes was studied to get an idea of how noise enters a home and what best measures could be used to reduce that transmission. This information was analyzed with regard to its effectiveness and budgetary implications, and the results



Approved Mitigation Eligible Parcels



Acoustical storm door being installed



Completed structure with new door and windows

were used to develop a plan to benefit the greater community. Approximately 60 homes were in the pilot sound insulation program.

Sound Insulation Program

Program Scope: Typical treatments used in the Sound Insulation Program are as follows: (1) replacement windows and doors, where necessary, and the possible use of acoustical storm windows and doors over existing windows and doors; (2) provision of insulation treatments in attics, including the use of baffles near openings in the attic and crawl space areas, weather stripping and caulking as required; and (3) provision for central air conditioning for residences without a system.

Program Goals:

- The primary acoustical goal of the program will be to achieve a minimum interior noise level of 45 DNL as the performance target.
- Where possible, program treatments will result in interior sound levels of no greater than 45 DNL or a reduction of 5 db, thereby eliminating interference with normal household activities.
- The City of St. Louis, from time to time during the course of the Sound Insulation Program, shall authorize additional sample sound pre and post construction testing, in order to certify to the FAA that current treatments are meeting approved sound reduction level.

Residential Sound Insulation Program

Easement Purchasing Program

Program Scope: The Easement Purchasing Program is a mitigation measure adopted to provide relief to homeowners and owners of single-family, tenant-occupied residents on a voluntary basis

In the event an eligible homeowner chooses to sell an Avigation Easement to the City of St. Louis, the Avigation Easement will be recorded in exchange for easement compensation. The City of St. Louis requires all title holders of the property to sign the Avigation Easement. In the event a homeowner is allowed entry into the Program with mortgages or liens affecting the parcel, the City of St. Louis may require release or "subordination agreements" from all lien holders affecting the property.



Technician monitoring aircraft noise levels

For information regarding the
Residential Sound Insulation Program
Call (314) 551-5025

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Airport Planning & Development Office
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Residential Sound Insulation Program



Structure before window treatment



Structure after window treatment

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Lambert-St. Louis International Airport