



Blue Line Residential Sound Insulation Program Boston, MA

profile



The Massachusetts Bay Transportation Authority (MBTA), as part of its Blue Line Transit Modernization Program, funded the sound insulation of residential properties located directly adjacent to the transit right of way.

The Jones Payne Group was retained to provide a complete range of services, including program management, homeowner outreach, acoustical testing, design, construction management and project closeout services. A total of 130 properties, including single family, duplex and multi-family units participated in the program. The final construction costs were just under \$30 million dollars.

Acoustical treatments included the replacement of doors and windows to achieve a tight-fitting assembly with a deep air space; supplemental wall and ceiling work as required to eliminate deficiencies in existing construction; double wall construction within "Rooms of Preference" as selected by the homeowner; and upgrades to through-wall air conditioners. Final noise reduction (NR) values ranged between 30 - 40 dBA (decibels), depending on the acoustical treatments performed, with an average improvement of 9 dBA.

Client:
Massachusetts Bay
Transportation
Authority
Boston, MA