



## Homeowner Information Meeting

September 8, 2022

This meeting is being recorded

## Residential Sound Insulation Program

THANK YOU FOR JOINING US!

- Meeting is being recorded
- Recording and Slide Deck will be available at  
**<https://www.BTVSound.com>**
- We have muted all microphones during the presentation
- Please keep questions general



# Residential Sound Insulation Program

## TONIGHT WE WILL DISCUSS:

- Program Introduction
- What is Sound Insulation
- RSIP Consultant Team
- Prioritization
- Sound Insulation Process
- Schedule
- Contact Us with Questions and Comments



# Residential Sound Insulation Program



## PROGRAM INTRODUCTION

### Program Sponsor: Burlington International Airport (BTV)

Contact: Larry Lackey, Director of Engineering & Environmental Compliance

### Program Objectives

- To help mitigate the noise impacts for homes located within the Day-Night Level (DNL) 65 dB contour on the FAA-approved Noise Exposure Map
- Reduce the interior noise level of eligible properties through the installation of acoustically rated products and other treatments

### Program Funding

- Funded through the Federal Aviation Administration (FAA) Airport Improvement Program
- 90% FAA Grant; 10% Airport Revenues
- No direct cost to Homeowner(s) for sound insulation treatments

# Residential Sound Insulation Program



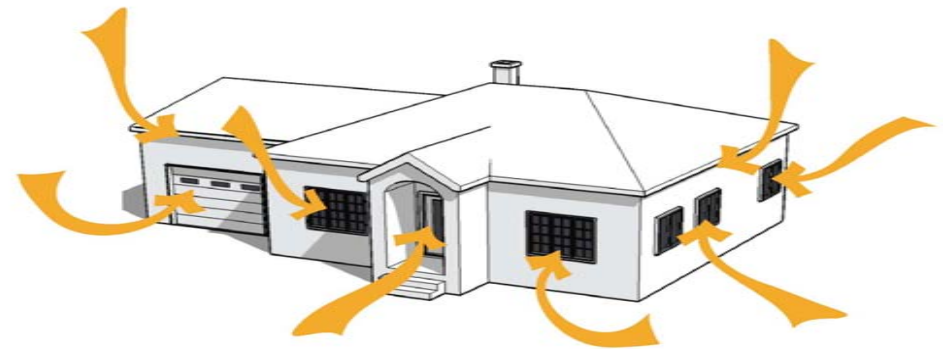
## WHAT IS SOUND INSULATION?

A construction project that will reduce interior noise levels within a home with the installation of acoustical products.

It is paid for by the Airport and FAA grants.

## FAA Required Noise Reduction Goals

- Interior noise levels not greater than 45 DNL and;
- Reduce existing interior levels by 5 dB



# Residential Sound Insulation Program

## RSIP CONSULTANT TEAM



Program Manager: The Jones Payne Group, Inc. (JPG)

- Diane Carter, Program Manager
- Brianna Whiteman, Homeowner Coordinator

### Sub Consultants:

- C<sup>3</sup> – Engineering Services
- KAS Consulting – Hazardous Materials Consultant
- HMMH – Acoustical Testing

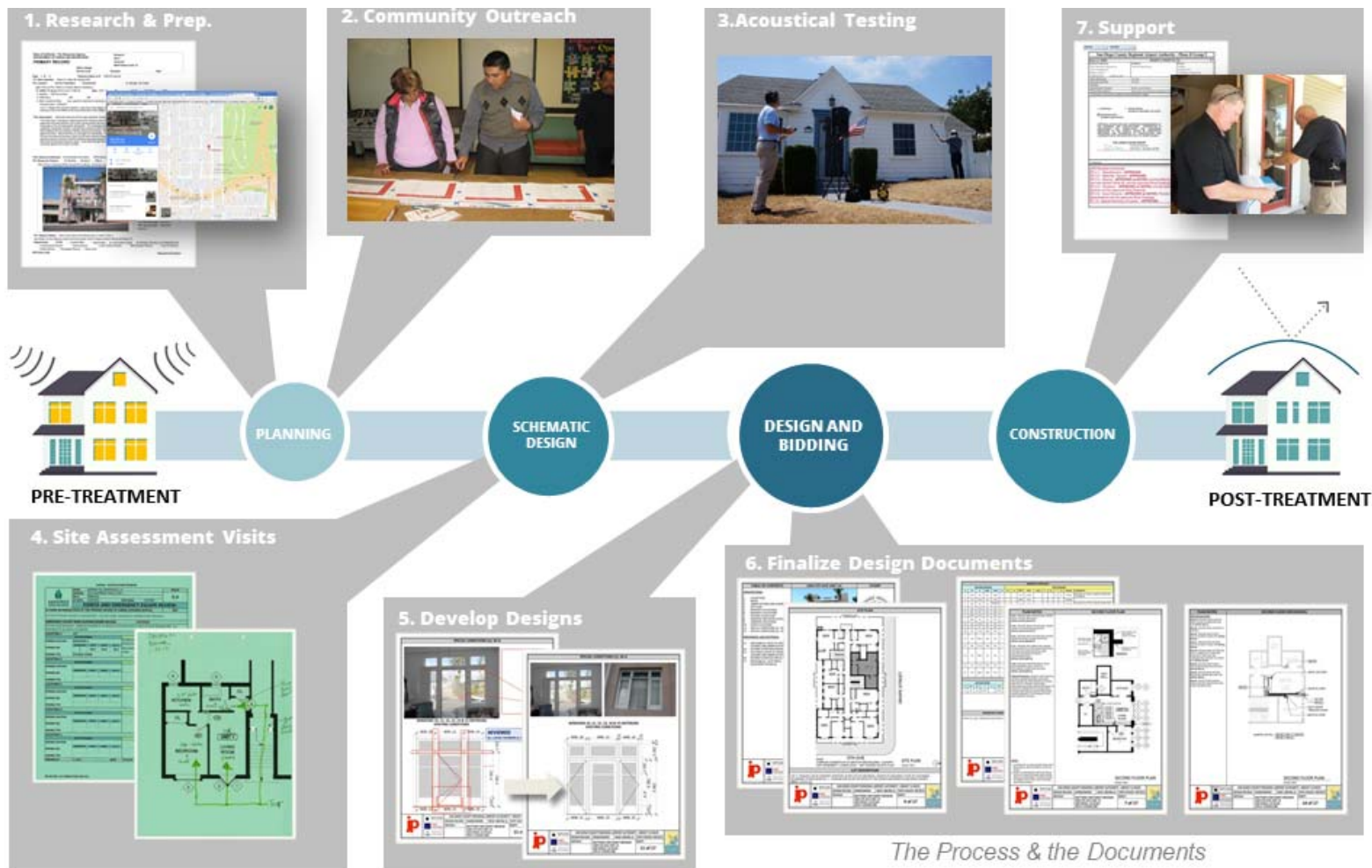
# Residential Sound Insulation Program

## PRIORITIZATION

- Homes are selected in groups, called phases
- Phase 1 is comprised of 60 single-family homes
- Homes are selected in order of highest exterior noise exposure level
- Initial Homeowner Meeting is to provide an overview of the Residential Sound Insulation Program (RSIP)
- The RSIP is voluntary



# Residential Sound Insulation Program





# Residential Sound Insulation Program

DESIGN ASSESSMENT VISIT  
APPROXIMATELY 90 MINUTES



Assessments will occur the week of September 19<sup>th</sup>.

Please contact Brianna Whiteman to schedule your assessment visit.

## Design Assessment Team:

- Homeowner Coordinator
- Lead Designer
- Drafter
- Mechanical Engineer
- Electrical Engineer
- Hazardous Materials Team

## Homeowner preparation:

- Read the Homeowner Handbook
- Ensure all areas of property are accessible (e.g., gates unlocked; mechanical/electrical equipment)
- Secure pets

# Residential Sound Insulation Program

## DESIGN ASSESSMENT VISIT

APPROXIMATELY 90 MINUTES



### The Design Assessment Team will:

- Survey and measure the home to develop floor plans
- Document existing conditions (photographs)
- Identify existing conditions that require correction by homeowner (pre-work)
- Need full access to all rooms including closets, attic and basement spaces (eligible and ineligible spaces)
- Provide an overview of product options with Homeowner(s)
  - Homeowner(s) most comfortable to make these preliminary decisions should be present
- Answer Homeowner(s) questions

# Residential Sound Insulation Program

## DESIGN DEVELOPMENT



### Determination of Eligible Spaces

- Treatments for habitable spaces only

Design package is developed for each home

Treatments may include but are not limited to:

- Installation of acoustically rated windows
- Exterior door replacement
- Attic insulation
- Removal/patching of exterior penetrations (e.g. thru-wall air conditioners, pet doors)
- Central air conditioning, when not existing
- Wall insulation and drywall to exterior walls

# Residential Sound Insulation Program

## FAA DESIGNATED ELIGIBLE & NON-ELIGIBLE SPACES



### Eligible for Treatment (above grade):

- Living areas
- Bedrooms
- Kitchens

### Not Eligible for Treatment

- Bathrooms
- Utility Areas
- Laundry
- Sunrooms
- Garage
- Enclosed Porches
- Storage areas
- Non-code complying rooms

# Residential Sound Insulation Program

## DESIGN REVIEW MEETING

APPROXIMATELY 1 - 2 HOURS



Design package (proposed scope of work) contains proposed architectural, mechanical and electrical treatments

Design Team and Homeowner Coordinator will meet with individual Homeowners to:

- Provide a detailed overview of the proposed scope of work
- Review product selections and finishes, when applicable
- Ensure Homeowner(s) understanding of project scope and pre-work, if applicable
- Explain agreement to not make any architectural, mechanical or electrical changes upon design acceptance until after completion of the sound insulation treatment
- Answer Homeowner questions and concerns

Homeowner(s) must be present - in person or virtual

# Residential Sound Insulation Program

## LEGAL AGREEMENT SIGNING

- After acceptance of proposed scope of work, all persons listed on the deed of the property must sign legal documents that will legally bind your participation in the Program
- Homeowner must have Temporary Construction Easement notarized
- Homeowner(s) must contact the RSIP Team with any questions or concerns prior to signing date



# Residential Sound Insulation Program

## LEGAL AGREEMENT SIGNING



**Homeowner Participation Agreement (HPA)** *includes but not limited to:*

- Must be signed by all persons listed on the deed of the property
- Legal, binding contract between the Homeowner(s) and City of Burlington
- Not performing any structural, mechanical or architectural changes to your home from the time of agreement signing to the end of construction
- Not hiring the RSIP contractor to perform additional work in your home during the construction period
- Having an authorized representative (18+) at home during construction
- Moving furnishings and window dressings to allow for the work

If you have any questions or concerns regarding these legal documents, we encourage you to have them reviewed by your attorney.

# Residential Sound Insulation Program

CONSTRUCTION CONTRACT BID & AWARD  
APPROXIMATELY 4 – 6 MONTHS



- Design packages with executed agreements are combined and assembled into a bid package per phase
- BTV will solicit bids from qualified general contractors
- Follow applicable federal and state public procurement guidelines
- Award construction contract to the most responsive and responsible bidder
- There will be one general contractor selected for each phase of homes



# Residential Sound Insulation Program

PRE-CONSTRUCTION  
APPROXIMATELY 4 – 6 MONTHS



- After contract award and confirmation of FAA funding, the Contractor will conduct field measurement visits at each house with the RSIP Team and manufacturer representatives
- Contractor will measure for doors & windows, and verify your finish selections
- RSIP Team will verify pre-work is completed and discuss draft construction schedule and timeframe
- Contractor submits product orders to manufacturers
  - 12-16 weeks for manufacturing and delivery
- Homeowners will be notified of construction start date in writing at least three (3) weeks in advance

# Residential Sound Insulation Program



## PRE-CONSTRUCTION

The RSIP Team and General Contractor will visit 48-hours prior to start date to ensure preparation for construction is on track

### Homeowner preparation:

- Entire home must be prepared prior to the start of construction
  - Room of Refuge can be provided during construction for special needs/circumstances
- Move furniture and belongings 4 ft away from windows/doors to be treated
- Remove items from room where wall insulation will be added
- Ensure closets, attics or other storage areas are clear for mechanical equipment, when necessary
- Remove blinds, curtains and associated hardware prior to the start of construction
- Securely store fragile and/or valuable items
- No one under the age of 18 unattended during construction
- Coordinate disabling of security systems prior to start of construction
- Pets must be secured during construction

# Residential Sound Insulation Program

CONSTRUCTION  
APPROXIMATELY 30 – 45 DAYS



- 15 consecutive working days per home until substantial completion
- Homeowner or authorized representative (18+) must be present for 15-day period (Monday-Friday, 8:00 a.m. – 5:00 p.m.)
- After 15 days, additional finish work will be required and access will be by appointment only
- Contractor will dispose of removed materials (windows, doors)
- Contractor will protect floors and cover furniture
- Home will be free of construction debris at end of each workday
- Daily oversight and periodic inspections will occur throughout construction period
- Home may be selected for post-construction acoustical testing

## Residential Sound Insulation Program



### WARRANTY

- Contractor is required to provide a 1-year warranty from date of completion
- Individual manufacturers may provide additional warranties beyond the 1-year period; however, it is not guaranteed
- Homeowner(s) will receive a warranty package with contractor and manufacturer warranties, as applicable
- Maintenance is Homeowners' responsibility and is not part of the 1-year warranty

# Residential Sound Insulation Program



Tasks	2022					2023									2024														
	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
Homeowner Outreach	●																												
Design	■																												
Bid & Award									■																				
Construction															■														
Pre-Construction															■														
Construction & Closeout																				■									

# Residential Sound Insulation Program



Should you have any questions or concerns, please contact:

**Brianna Whiteman**

**802-363-3501**

Or

**[bwhiteman@jonespayne.com](mailto:bwhiteman@jonespayne.com)**

**<https://www.btvsound.com/>**

Thank you again for participating and we look forward to continuing the conversation.

