

# SR9B FROM US-1 TO INTERSTATE 95 (I-95) PROPOSED NOISE WALLS

## Jacksonville, Duval County, Florida

Public Information Meeting  
January 19, 2012

### Noise Abatement Criteria (NAC)

Noise levels at which FDOT must consider noise abatement

Activity Category	Sound Level (dB)		Evaluation Location	Description of activity category
	FHWA	FDOT		
A	57	56	Exterior	Large commercial trucks and buses on an interurban highway and serve as an important part of the mobility of the area to continue to serve its intended purpose.
B <sup>1</sup>	57	56	Exterior	Residential
C <sup>2</sup>	57	56	Exterior	Active sports areas, amphitheaters, auditoriums, playgrounds, cemeteries, day care centers, churches, schools, medical facilities, parks, public works, transit or transit programs, public housing units, justice or court-related facilities, recreational areas, schools, day care centers, schools, television studios, trails, and retail centers.
D	53	51	Interior	Auditoriums, day care centers, hospitals, churches, medical facilities, offices of attorneys, public housing units, justice or court-related facilities, schools, television studios, and television studios.
E <sup>3</sup>	72	71	Exterior	Shops, hotels, offices, restaurants, and other development uses, properties or activities not included in C or D.
F <sup>4</sup>	-	-	-	Agriculture, airports, bus yards, emergency services, industrial, loading, transportation, and other uses, including, but not limited to, rail facilities, airports, utility power generation, water treatment, electrical and telecommunication.
G	-	-	-	Undeveloped lands that are not permitted.

Based on Table 7 of 2004 FHWA Report 402-D-04-001.  
1. This table is advisory. Other values may be required depending on site, and are not design standards for noise abatement measures.  
2. Excludes undeveloped lands permitted for this activity category.  
3. Note: FDOT defines that a substantial noise increase occurs when the existing noise level is predicted to be exceeded by 15 decibels or more as a result of the transportation improvement project. When this occurs, the requirement for abatement consideration will be followed.  
4. Excludes undeveloped lands permitted for this activity category.

- ### FDOT Decision Making Process
- Step 1 – Feasibility:
    - Can the noise barrier (wall) physically be built and provide the FHWA required 5 dB(A) noise reduction for two (2) receptors AND achieve the FDOT required 7 dB(A) noise reduction design goal for at least one (1) receptor
    - YES
  - Step 2 – Reasonableness:
    - Can the feasible noise barrier (wall) be built under FDOT cost criteria?
    - YES
  - Step 3 – Public Viewpoint
    - Do the impacted and benefited receptors desire a noise barrier (wall)?

### Public Viewpoint

FDOT seeks your input for, or against, the noise barriers (walls)

Survey period ends: February 20, 2012

Questionnaire Regarding Potential Noise Walls  
SR9B from US1 to Interstate 95  
FHWA No. 2009024-6

Responses to this questionnaire will be used in the decision-making process regarding the construction of the proposed noise walls. Only the input from affected adjacent property owners and other persons who would derive a direct benefit from the walls will be included. Property consideration will be given to the viewpoints of the affected adjacent property owners.

Build or No-Build? (Please check one)

The noise walls should be built.

The noise walls should NOT be built.

No opinion.

Comments: \_\_\_\_\_

Physical Address (Optional): \_\_\_\_\_ Mailing Address: \_\_\_\_\_

Subdivision/Apartment Complex Name: \_\_\_\_\_

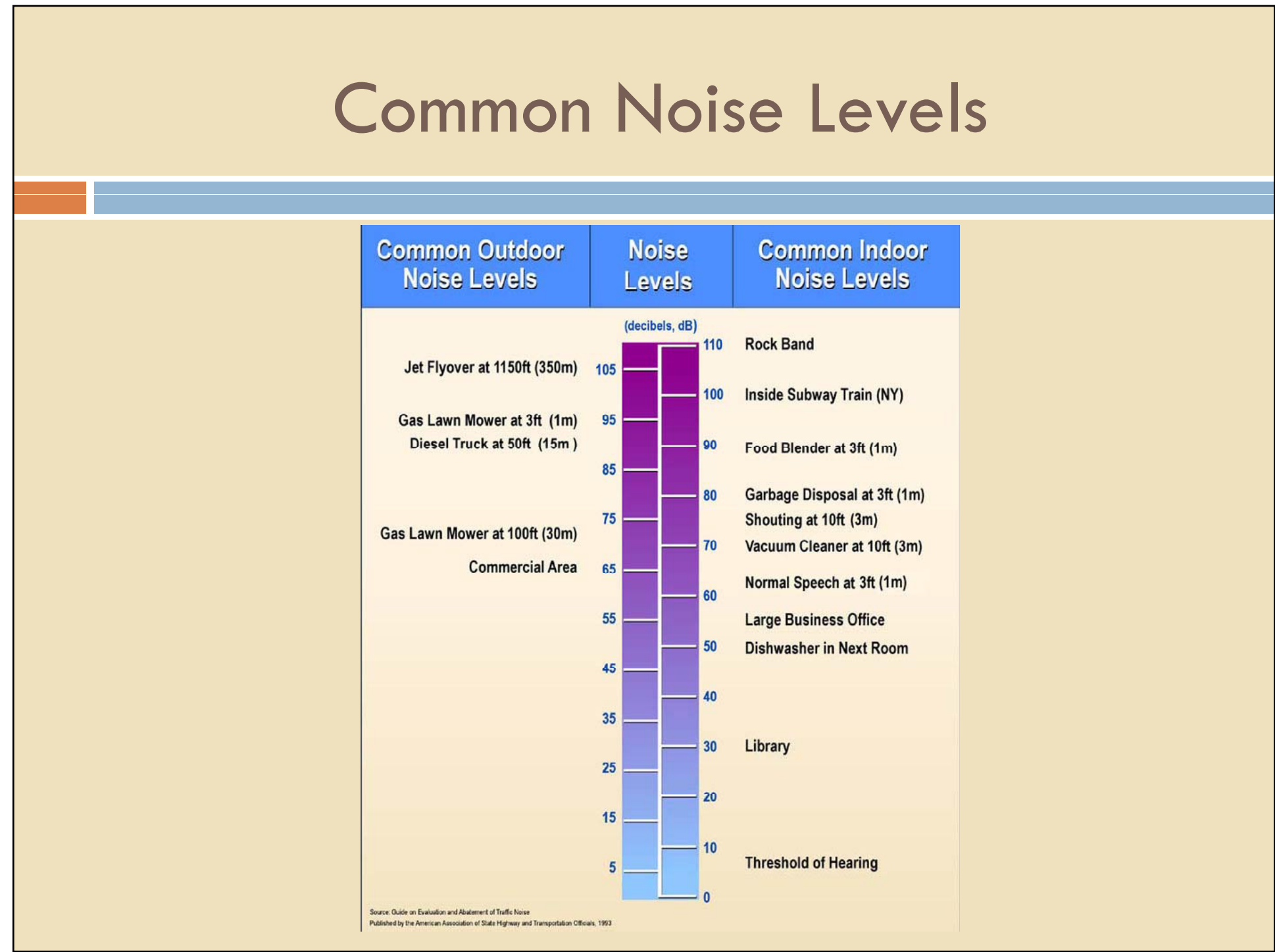
Do you own or rent this property (Optional)? Own  Rent

Other Contact Information (e.g., e-mail, telephone, etc.): \_\_\_\_\_

Printed Name (Optional): \_\_\_\_\_ Date: \_\_\_\_\_

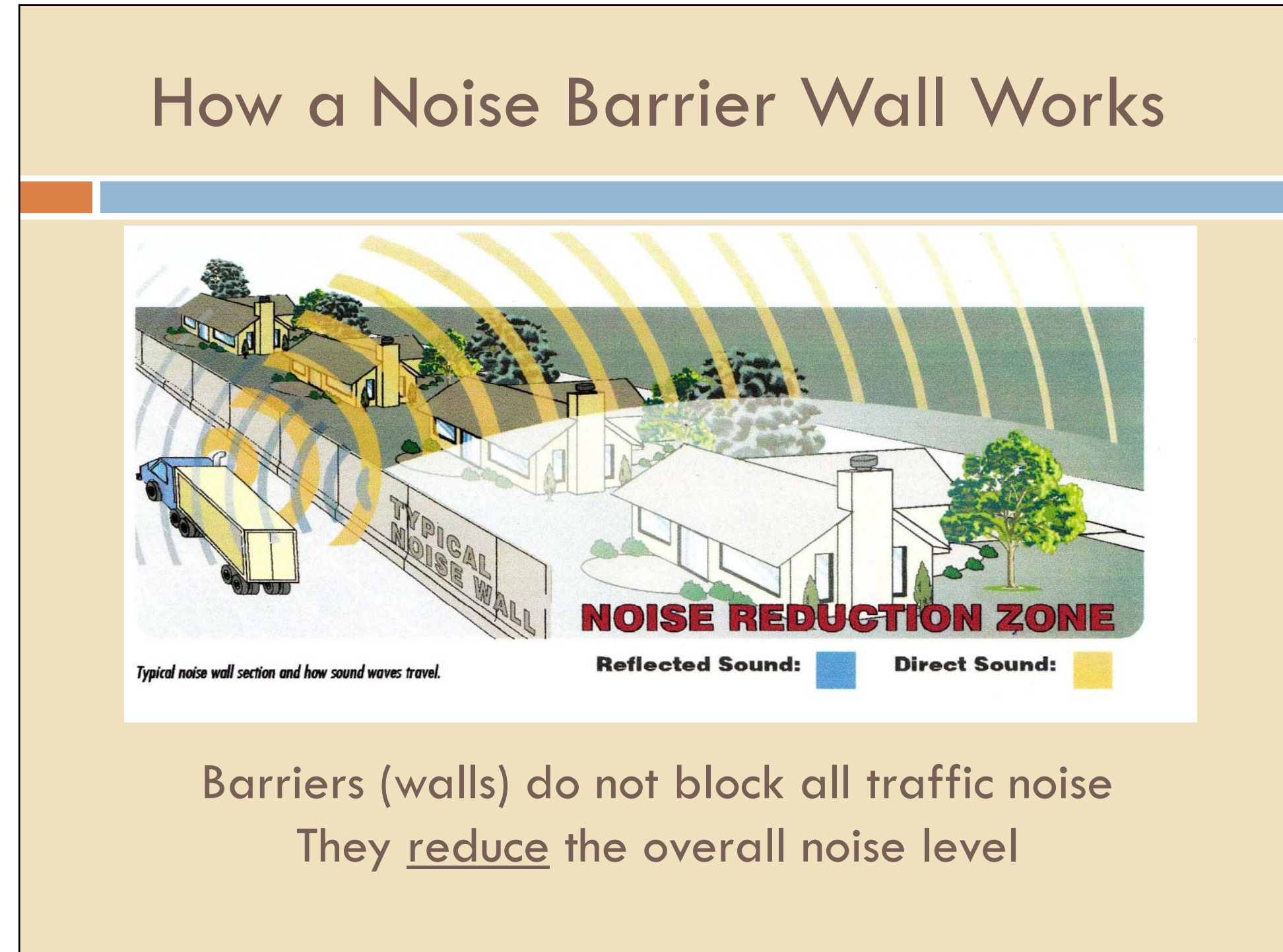
Signature: \_\_\_\_\_

- ### What is Noise?
- Noise = Unwanted Sound
  - Noise Definitions
    - Decibels (dB) – unit of measure of sound level
    - dB(A) – decibel with A-scale weighting
      - resembles human hearing
    - Noise Abatement Criteria (NAC) – noise level at which FDOT must consider noise abatement
    - Receptor – location of a noise sensitive area/site
      - Impacted – Receptor is impacted by traffic noise
      - Benefited – Receptor will receive a minimum 5 db(A) reduction



### Sound Perception

Change in Sound Level	Perception
3 dB(A)	Barely Perceptible
5 dB(A)	Clearly Perceptible
10 dB(A)	Twice as Loud



- ### How a Noise Barrier Wall Works
- Carlyle at Bartram Park
    - Proposed - 22 foot barrier (wall)
    - Benefited receptors can expect approximately a 8.2 dB(A) average noise reduction
  - Villages at Bartram Springs/Bartram Springs/Flagler Station
    - Proposed – 16 foot barrier (wall)
    - Benefited receptors can expect approximately a 7.9 dB(A) average noise reduction