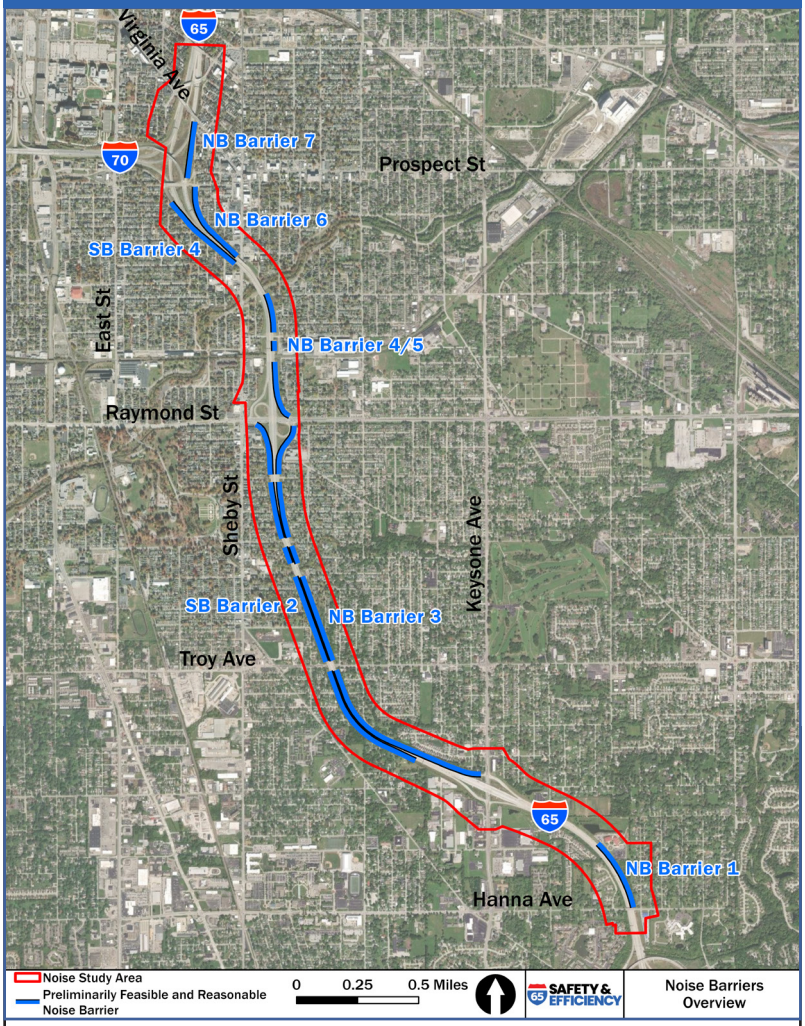
SAFETY & EFFICIENCY

Improving I-65 in Southeast Indy
Noise Barrier Meeting | December 2023

RECOMMENDED NOISE BARRIERS



Barriers are recommended at 7 locations:

- Hanna Avenue
- Keystone Avenue
- Troy Avenue
- Raymond Street
- Pleasant Run Parkway South Drive
- I-70 Interchange
- Calvary Street

Find high-resolution noise barrier maps at I65SafetyandEfficiency.com/NoiseBarrier.

PROJECT OVERVIEW

- I-65 Safety and Efficiency will reduce congestion and improve safety in southeast Indianapolis.
- The nearly 5-mile corridor stretches from north of the I-465 interchange to just north of Fletcher Avenue.
- Construction is expected to begin in spring 2025 and last up to two years.

NOISE ANALYSIS

- Areas of frequent outdoor use are identified and measured.
- Sound levels are measured in decibels: dB(A).
- Noise modeling software analyzes existing and projected traffic volumes.
- Projected noise levels are based on 2045 traffic forecasts and noise impacts.
- Noise impacts occur when estimates approach or exceed 67 dB(A) or when estimates exceed the existing sound level by 15+ dB(A).

PROCESS AND OUTREACH

Your feedback matters:

- Benefited property owners and residents are surveyed to determine if they support a noise barrier.
- If a response rate of 50%+ is not achieved, a second survey is mailed to those who did not respond.
- FHWA and INDOT review survey responses and determine next steps.
- Each barrier is analyzed separately.

NOISE BARRIER EVALUATION

Noise barriers must be feasible and reasonable.

Feasible

- Acoustic Feasibility: 5 dB(A) reduction at a majority of impacted receptors
- Engineering Feasibility: Considers environmental, drainage, safety and other issues to identify best location for a barrier

Reasonable

- Barriers offer 7+ dB(A) reduction for the majority of directly adjacent receptors.
- Required barrier area (ft^2) per benefited receptor must be less than or equal to allowable barrier area.

Square Footage per Benefited Receptor	Results
0 – 1,000 ft^2	Reasonable
*1,001+ ft^2 and up	NOT Reasonable

*1,250 ft^2 if majority of homes built before initial roadway construction

Changes in Sound Level	Perception
+3 Decibels	Barely Perceptible
+5 Decibels	Clearly Perceptible
+10 Decibels	Twice as Loud

Impacted Receptors: Property where predicted noise levels approach or exceed the noise abatement criteria (NAC), or substantially exceed the existing noise level.

Benefited Receptors: Property that receives a minimum 5 dB(A) reduction in future noise levels with noise mitigation.

MITIGATING NOISE

- The most common approach to mitigating noise is constructing noise barriers.
- Noise barriers are solid obstructions built between the highway and nearby properties.
- Noise can be reduced by 5 to 10 dB(A).
- Sound can be absorbed, reflected across the highway or travel longer along the barrier.
- Barriers must be tall enough and long enough to block traffic noise in the area.

SHARE YOUR INPUT

Scan with your phone camera to visit our website.

Complete a survey tonight, return your survey card by mail, or complete online at I65SafetyandEffiency.com/NoiseBarrier.

Deadline is December 15.

FOLLOW OUR PROGRESS

I65SafetyandEfficiency.com

Sign up for email updates on our website.

Text "INDOT I65SandE" to 468311 for mobile updates

I-65 Safety and Efficiency

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Should you have additional questions regarding this meeting, please contact Brandon Miller at (317) 371-2296 or via e-mail at brandon.miller@parsons.com.

Para Preguntas En Español

Si usted tiene preguntas o comentarios o le gustaria más información sobre este proyecto en Español, contacta al señor Robert Walker, al teléfono **801-553-3347** o correo electrónico **robert.walker@parsons.com.**