



# SOUND BARRIER WALL EVALUATION

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In July 2016, FDOT studied the potential noise impacts from the full buildout of I-4 Beyond the Ultimate.

Florida statute 335.17 requires that the Florida Department of Transportation (FDOT) must look at sound abatement as part of any highway projects that will add capacity “to help protect the public health, welfare and livability” of the community.

Florida follows Chapter 23 of the Code of Federal Regulations Part 772 (23 CFR 772) titled “Procedures for Abatement of Highway Traffic Noise and Construction Noise” which contains the federal regulations for the assessment of traffic noise impacts and abatement on federal aid projects.



## Federal Highway Administration (FHWA) Sound Barrier Wall Requirements

The Federal Highway Administration (FHWA) mandates that sound abatement must be considered if predicted noise levels:

- Approach or exceed FHWA Noise Abatement Criteria (maximum allowable sound level) for the Land Use Category.
- Are expected to exceed existing noise levels by 15 decibels or more.

## Florida Department of Transportation (FDOT) Sound Barrier Wall Requirements

Florida Department of Transportation (FDOT) considers building a sound barrier when:

- Property owners or residents within the area will receive at least 5 decibels of noise reduction as a result.
- Building the sound barrier wall will cost no more than \$42,000 per benefitted site.
- A majority of the residents/owners who will benefit approve the barrier.



More Info: [I4Beyond.com](http://I4Beyond.com)