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IS THIS PROJECT LIKELY TO INCREASE SOUND LEVELS?

e.g., New road, adding travel lanes, substantially modifying a roadway

YES, CONDUCT NOISE ANALYSIS

NO

Noise analysis and evaluation of noise abatement not required

1 **IDENTIFY AREAS SENSITIVE TO TRAFFIC NOISE**

e.g., Residences, parks, churches, schools

2 **DETERMINE EXISTING AND FUTURE NOISE LEVELS USING TRAFFIC NOISE MODEL**

Noise model analysis and software developed by Federal Highway Administration

3 **DETERMINE TRAFFIC NOISE IMPACT**

Traffic noise impacts are present when:
Noise levels are high enough to interfere with normal conversation

OR

Future noise levels substantially exceed existing noise level

ARE THERE NOISE IMPACTS?

YES

NO

No Noise Abatement

4 **EVALUATE NOISE ABATEMENT MEASURES USING TRAFFIC NOISE MODEL**

e.g., Noise barrier

5 **DETERMINE IF NOISE ABATEMENT MEASURES ARE FEASIBLE AND REASONABLE**

Based on ability to create appreciable reduction in noise, as well as viability and cost

6 **DETERMINE PREFERENCE OF ADJACENT PROPERTY OWNERS THROUGH NOISE BALLOTING**

Noise balloting will take place during funded design projects

ARE NOISE ABATEMENT MEASURES FEASIBLE AND REASONABLE?

YES

NO

No Noise Abatement

ITD NOISE POLICY

50%+1 of property owners benefited* by noise wall are in favor

YES **NO**

75% of residents benefited* by noise wall are in favor

YES **NO**

☑ **DESIRED** ☒ **NOT DESIRED**

*appreciable reduction in noise levels

INSTALL NOISE ABATEMENT MEASURE WITH FUNDED CONSTRUCTION PROJECT