

APPENDIX C

NCDOT

NOISE BARRIER

FEASIBILITY AND REASONABLENESS

WORKSHEETS

**NCDOT NOISE WALL
FEASIBILITY & REASONABLENESS WORKSHEET**

PROJECT - _____ **TIP# -** _____

NOISE WALL # - _____ **COUNTY(IES) -** _____

IMPACTS - _____ **# BENEFITS -** _____ **NAC:** **A** **B** **C** **D** **E**

A. FEASIBILITY:

- 1. Can a 5-dB(A) reduction in traffic noise levels be achieved for at least two impacted receptors? _____
- 2. Does topography negatively affect the proposed noise wall? _____
- 3. Does the proposed noise wall negatively affect property access, drainage, utilities or maintenance requirements? _____
- 4. Is there control of access in the vicinity of the proposed noise wall? _____

B. REASONABLENESS

- 1. Can a 7- dB(A) reduction in traffic noise levels be achieved for at least one benefited receptor? _____
- 2. Is the quantity per benefited receptor of _____ square feet less than the maximum allowable quantity per benefited receptor of _____ square feet? _____

C. NOISE WALL PRELIMINARY DECISION

- 1. Is the noise wall preliminarily feasible? _____
- 2. Is the noise wall preliminarily reasonable? _____
- 3. Is the noise wall likely? _____

PREPARED BY: _____ **DATE PREPARED:** _____

**NCDOT NOISE WALL
FEASIBILITY & REASONABLENESS WORKSHEET**

PROJECT - _____ **TIP# -** _____

NOISE WALL # - _____ **COUNTY(IES) -** _____

IMPACTS - _____ **# BENEFITS -** _____ **NAC:** **A** **B** **C** **D** **E**

A. FEASIBILITY:

1. Can a 5-dB(A) reduction in traffic noise levels be achieved for at least two impacted receptors? _____
2. Does topography negatively affect the proposed noise wall? _____
3. Does the proposed noise wall negatively affect property access, drainage, utilities or maintenance requirements? _____
4. Is there control of access in the vicinity of the proposed noise wall? _____

B. REASONABLENESS

1. Can a 7- dB(A) reduction in traffic noise levels be achieved for at least one benefited receptor? _____
2. Is the quantity per benefited receptor of _____ square feet less than the maximum allowable quantity per benefited receptor of _____ square feet? _____

C. NOISE WALL DECISION

1. Is the noise wall feasible? _____
2. Is the noise wall reasonable? _____
3. Is the noise wall recommended for construction? _____
[If yes, a final determination on noise wall construction will be made upon completion of the public preference balloting of benefited property owners and tenants.]

PREPARED BY: _____ **DATE PREPARED:** _____