Type II Noise Program Development

**FIGURE 1**

**Barrier Area:** 1
**Roadway:** FEET
**Mile Posts Start/End:** 38.8 to 39.4
**Barrier Side SB Cost:** $0
**DEI:** 514  
**DEI Criteria:** 1500

**Nashua, New Hampshire**

**Existing Barrier**

### Study Areas
- Ineligible for Type II
- Eligible for Type II
- Existing Barrier
- Prior Noise Barrier Study Area
- Existing Noise Barrier in Study Area

### Loudest-hour Noise Level
- <61 dBA Leq
- 61 to 65 dBA Leq
- 66 to 70 dBA Leq (Impact)
- >70 dBA Leq (Impact)

### Insertion Loss (25-ft Barrier)
- Less than 5 dB
- 5 to 6 dB (Benefit)
- 7 to 9 dB (Benefit/Feasible)
- 10+ dB (Benefit/Design Goal)
Existing Noise Barrier in Study Area

Less than 5 dB

Type II Study Areas

10+ dB (Benefit/Design Goal)

66 to 70 dBA Leq (Impact)

7 to 9 dB (Benefit/Feasible)

>70 dBA Leq (Impact)
to

61 to 65 dBA Leq

Study Areas

Eligible for Type II

Ineligible for Type II

Existing Barrier

Prior Noise Barrier Study Area

Existing Noise Barrier in Study Area

Loudest-hour Noise Level

- <61 dBA Leq
- 61 to 65 dBA Leq
- 66 to 70 dBA Leq (Impact)
- >70 dBA Leq (Impact)

Insertion Loss (25-ft Barrier)

- Less than 5 dB
- 5 to 6 dB (Benefit)
- 7 to 9 dB (Benefit/Feasible)
- 10+ dB (Benefit/Design Goal)

Barrier Area: 2

Roadway: FEET

Mile Posts Start/End: 0.5 to 1.5

Barrier Side NB Cost: $3772500

DEI: 205

DEI Criteria: 1500

Nashua, New Hampshire

Eligible
Loudest-hour Noise Level
- <61 dBA Leq
- 61 to 65 dBA Leq
- 66 to 70 dBA Leq (Impact)
- >70 dBA Leq (Impact)

Insertion Loss (25-ft Barrier)
- Less than 5 dB
- 5 to 6 dB (Benefit)
- 7 to 9 dB (Benefit/Feasible)
- 10+ dB (Benefit/Design Goal)

Study Areas
- Ineligible for Type II
- Eligible for Type II
- Existing Barrier
- Prior Noise Barrier Study Area
- Existing Noise Barrier in Study Area
FIGURE 7

Study Areas
- Ineligible for Type II
- Eligible for Type II
- Existing Barrier
- Prior Noise Barrier Study Area
- Existing Noise Barrier in Study Area

Loudest-hour Noise Level
- <61 dBA Leq
- 61 to 65 dBA Leq
- 66 to 70 dBA Leq (Impact)
- >70 dBA Leq (Impact)

Insertion Loss (25-ft Barrier)
- Less than 5 dB
- 5 to 6 dB (Benefit)
- 7 to 9 dB (Benefit/Feasible)
- 10+ dB (Benefit/Design Goal)

Type II Noise Program Development
- Type II Study Areas

Barrier Area: 7
- Roadway: FEET
- Mile Posts Start/End: 4.1 to 4.5
- Barrier Side NB Cost: $ 1687500
- DEI: 639 DEI Criteria: 1700
- Nashua, New Hampshire
- Eligible
**Study Areas**
- Ineligible for Type II
- Eligible for Type II
- Existing Barrier
- Prior Noise Barrier Study Area
- Existing Noise Barrier in Study Area

<table>
<thead>
<tr>
<th>Loudest-hour Noise Level</th>
<th>Insertion Loss (25-ft Barrier)</th>
</tr>
</thead>
<tbody>
<tr>
<td>➢ &lt;61 dBA Leq</td>
<td>➢ Less than 5 dB</td>
</tr>
<tr>
<td>➢ 61 to 65 dBA Leq</td>
<td>➢ 5 to 6 dB (Benefit)</td>
</tr>
<tr>
<td>➢ 66 to 70 dBA Leq (Impact)</td>
<td>➢ 7 to 9 dB (Benefit/Feasible)</td>
</tr>
<tr>
<td>➢ &gt;70 dBA Leq (Impact)</td>
<td>➢ 10+ dB (Benefit/Design Goal)</td>
</tr>
</tbody>
</table>

**Type II Noise Program Development**

- **Barrier Area:** 8
- **Roadway:** FEET
- **Mile Posts Start/End:** 32.8 to 33.2
- **Barrier Side SB:** Cost: $0
- **DEI:** 194
- **DEI Criteria:** 1600

- **Nashua, New Hampshire**
- **Existing Berm**
Type II Noise Program Development

### Study Areas
- **Ineligible for Type II**
- **Eligible for Type II**
- **Existing Barrier**
- **Prior Noise Barrier Study Area**
- **Existing Noise Barrier in Study Area**

### Loudest-hour Noise Level
- <61 dBA Leq
- 61 to 65 dBA Leq
- 66 to 70 dBA Leq (Impact)
- >70 dBA Leq (Impact)

### Insertion Loss (25-ft Barrier)
- Less than 5 dB
- 5 to 6 dB (Benefit)
- 7 to 9 dB (Benefit/Feasible)
- 10+ dB (Benefit/Design Goal)

### Barrier Area: 9
- **Roadway:** FEET
- **Mile Posts Start/End:** 6.3 to 6.9
- **Barrier Side NB Cost:** $0
- **DEI:** 1114
- **DEI Criteria:** 1700
- **Nashua, New Hampshire**

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**FIGURE 9**
Figure 12

**Type II Noise Program Development**

**Study Areas**
- Ineligible for Type II
- Eligible for Type II
- Existing Barrier
- Prior Noise Barrier Study Area
- Existing Noise Barrier in Study Area

**Loudest-hour Noise Level**
- <61 dBA Leq
- 61 to 65 dBA Leq
- 66 to 70 dBA Leq (Impact)
- >70 dBA Leq (Impact)

**Insertion Loss (25-ft Barrier)**
- Less than 5 dB
- 5 to 6 dB (Benefit)
- 7 to 9 dB (Benefit/Feasible)
- 10+ dB (Benefit/Design Goal)

**Barrier Area: 12**
- Roadway: FEET
- Mile Posts Start/End: 31.1 to 31.6
- Barrier Side SB Cost: $0
- DEI: 1761
- DEI Criteria: 1500
- Nashua, New Hampshire
- Ineligible (10-year TIP)