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

Barrier Area: 48
Roadway: I-93
Mile Posts Start/End: 37.6 to 37.9
Barrier Side NB Cost: $ 0
DEI: 41500 DEI Criteria: 1800
Concord, New Hampshire
Ineligible (10-year TIP)
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

- Barrier Area: 49
- Roadway: I-93
- Mile Posts Start/End: 39.9 to 40.4
- Barrier Side NB Cost: $2130000
- DEI: 1246
- DEI Criteria: 1500
- Concord, New Hampshire
- Eligible
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)

Type II Study Areas

Barrier Area: 50
Roadway: I-93
Mile Posts Start/End: 40.4 to 41
Barrier Side NB Cost: $0
DEI: 1635 DEI Criteria: 1500
Concord, New Hampshire
Ineligible (No Impact)
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

 Barrier Area: 51
 Roadway: I-93
 Mile Posts Start/End: 41.3 to 41.9
 Barrier Side NB Cost: $0
 DEI: 4325 DEI Criteria: 1500
 Concord, New Hampshire
 Ineligible (No Impact)
**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

**Type II Noise Program Development**
- **Barrier Area:** 52
- **Roadway:** I-93
- **Mile Posts Start/End:** 41.9 to 42.7
- **Barrier Side NB Cost:** $0
- **DEI:** 3990
- **DEI Criteria:** 1500
- **Concord, New Hampshire Ineligible (No Impact)**

**FIGURE 52**
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

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

Type II Study Areas

Barrier Area: 53
Roadway: I-93
Mile Posts Start/End: 42.7 to 43.3
Barrier Side NB: Cost: $ 0
DEI: 5219 DEI Criteria: 1500
Concord, New Hampshire
Ineligible (No Impact)
Less than 5 dB
5 to 6 dB (Benefit)
Existing Noise Barrier in Study Area
<61 dBA Leq
7 to 9 dB (Benefit/Feasible)
200
66 to 70 dBA Leq (Impact)
>70 dBA Leq (Impact)

Type II Study Areas
400
44.1

Existing Barrier
Eligible for Type II
Ineligible for Type II
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: 54
Roadway: I-93
Mile Posts Start/End: 43.1 to 44.1
Barrier Side NB Cost: $ 0
DEI: 2419 DEI Criteria: 1500
Concord, New Hampshire
Ineligible (No Impact)
61 to 65 dBA Leq

Type II Study Areas

200

66 to 70 dBA Leq (Impact)

Less than 5 dB

Feet
to

59.9

7 to 9 dB (Benefit/Feasible)

>70 dBA Leq (Impact)

Type II Noise Program Development

<table>
<thead>
<tr>
<th>Type II Study Areas</th>
</tr>
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<tbody>
<tr>
<td>Barrier Area: 207</td>
</tr>
<tr>
<td>Roadway: I-89</td>
</tr>
<tr>
<td>Mile Posts Start/End: 59.3 to 59.9</td>
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<tr>
<td>Barrier Side SB Cost: $0</td>
</tr>
<tr>
<td>DEI: 14250 DEI Criteria: 1700</td>
</tr>
<tr>
<td>Concord, New Hampshire Ineligible (No Impact)</td>
</tr>
</tbody>
</table>

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
**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**
- **Barrier Area:** 208
- **Roadway:** I-89
- **Mile Posts Start/End:** 58.8 to 59.3
- **Barrier Side SB**
- **Cost:** $0
- **DEI:** 8767
- **DEI Criteria:** 1700
- **Concord, New Hampshire**
- **Ineligible (DEI)**
FIGURE 209

Type II Noise Program Development

Barrier Area: 209
Roadway: I-89
Mile Posts Start/End: 55.9 to 57.5
Barrier Side SB Cost: $0
DEI: 7421 DEI Criteria: 1700
Concord, New Hampshire
Ineligible (DEI)

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

Roadway: I-89
Mile Posts Start/End: 55.9 to 57.5
Barrier Side SB Cost: $0
DEI: 7421 DEI Criteria: 1700
Concord, New Hampshire
Ineligible (DEI)
Type II Study Areas

- 0.5
- 66 to 70 dBA Leq (Impact)
- 61 to 65 dBA Leq
- 5 to 6 dB (Benefit)
- 10+ dB (Benefit/Design Goal)
- >70 dBA Leq (Impact)

Existing Barrier
Eligible for Type II
Ineligible for Type II
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: 244
Roadway: I-393
Mile Posts Start/End: 0 to 0.5
Barrier Side EB Cost: $0
DEI: 1500
DEI Criteria: 1800

Concord, New Hampshire
Ineligible (No Impact)
Mascom

Quadtree Rd

Peucker Ln

Pelham Ln

246

Partridge Rd

W Sugarball Rd

245

S Curtisville Rd

E Sugar Ball Rd

Tara Dr

247

Ward Rd

Monadnock Ct

Monadnock Cir

Westbrook Rd

Walnut Rd

River Rd

W Burlington Rd

Woodland Rd

Walnut Dr

W Pine Dr

W Burlington Rd

Concord, New Hampshire

March 2017

FIGURE 245

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: 245

Roadway: I-393

Mile Posts Start/End: 2.6 to 3.6

Barrier Side WB Cost: $ 4230000

DEI: 1356 DEI Criteria: 1500

Concord, New Hampshire

Eligible
Existing Noise Barrier in Study Area

Feet

70 dBA Leq (Impact)

W

7 to 9 dB (Benefit/Feasible)

Portsmouth St

Study Areas

Eligible for Type II

Ineligible for Type II

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: 246

Roadway: I-393

Mile Posts Start/End: 1.2 to 2.2

Barrier Side EB Cost: $ 0

DEI: 394

DEI Criteria: 1500

Concord, New Hampshire

Ineligible (No Impact)
FIGURE 248

Type II Noise Program Development

Type II Study Areas

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: 248
Roadway: I-393
Mile Posts Start/End: 1.2 to 1.7
Barrier Side WB Cost: $ 0
DEI: 16563
DEI Criteria: 1500
Concord, New Hampshire
Ineligible (No Impact)
<table>
<thead>
<tr>
<th>Barrier Area: 249</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roadway: I-393</td>
</tr>
<tr>
<td>Mile Posts Start/End: 0.6 to 1.3</td>
</tr>
<tr>
<td>Barrier Side WB Cost: $ 0</td>
</tr>
<tr>
<td>DEI: 2679 DEI Criteria: 1500</td>
</tr>
<tr>
<td>Concord, New Hampshire Ineligible (No Impact)</td>
</tr>
</tbody>
</table>

### 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)**