**Type II Noise Program Development**

**Type II Study Areas**

**Barrier Area: 237**
- **Roadway:** I-89
- **Mile Posts Start/End:** 53 to 54.1
- **Barrier Side NB**
- **Cost:** $0
- **DEI:** 3194
- **DEI Criteria:** 1700
- **Location:** Lebanon, New Hampshire
- **Status:** Ineligible (No Impact)

**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)**

**Figure 237**

- March 2017
- **C:\temp\NHDOT_TypeII_Final\TypeII_StudyAreas_LOCAL_noWeb.mxd**

*Map showing barrier areas and noise level classifications.*
FIGURE 238

**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: 238
- Roadway: I-89
- Mile Posts Start/End: 5.7 to 6.2
- Barrier Side SB Cost: $ 1165500
- DEI: 1177
- DEI Criteria: 1500
- Lebanon, New Hampshire
- Eligible
Type II Study Areas

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: 239
Roadway: I-89
Mile Posts Start/End: 55.1 to 55.9
Barrier Side NB Cost: $0
DEI: 2034 DEI Criteria: 1500
Lebanon, New Hampshire
Ineligible (DEI)
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: 241
- Roadway: I-89
- Mile Posts Start/End: 4.6 to 5
- Barrier Side SB Cost: $0
- DEI: 1900
- DEI Criteria: 1500
- Lebanon, New Hampshire
- Ineligible (No Impact)
Existing Noise Barrier in Study Area

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)

Loudest-hour Noise Level

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

Eligible for Type II Prior Noise Barrier Study Area

Type II Noise Program Development

Type II Study Areas

Barrier Area: 243
Roadway: I-89
Mile Posts Start/End: 3 to 3.5
Barrier Side SB Cost: $1950000
DEI: 844 DEI Criteria: 1700
Lebanon, New Hampshire
Eligible