DNL Calculator Page 1 of 2

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HUD > Program Offices > Community Planning and Development > Environment > DNL Calculator
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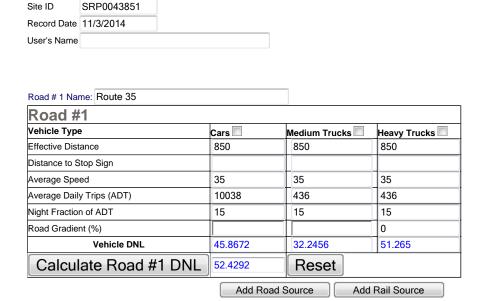
## Site DNL Calculator

For more information on using the noise calculator, to access the user guidebook, or send comments, please visit the following page:

Day/Night Noise Level Electronic Assessment Tool

## Guidelines:

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive nondecimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- Note #1: Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- Note #2: DNL Calculator assumes roadway data is always entered.



**DNL** Calculator Page 2 of 2

| Airport Noise Level                        |
|--|
| Loud Impulse Sounds? ⊚Yes ⊚No              |
| Combined DNL for all Road and Rail sources |
| Combined DNL including Airport N/A         |
| Site DNL with Loud Impulse Sound           |
| Calculate                                  |
|  |

## **Mitigation Options**

If your site DNL is in Excess of 65 decibels, your options are:

- No Action Alternative Cancel the project at this location **DNL Calculator**
- Other Reasonable Alternatives Choose an alternate site **DNL Calculator**
- Mitigation
  - Contact your Field or Regional Enviornmental Officer - Environmental Contacts
  - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas).
  - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses **DNL Calculator**
  - Incorporate natural or man-made barriers. See The Noise Guidebook
  - · Construct noise barrier. See the Barrier **Performance Module**

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