**Sample construction noise write-up for environmental documents, under construction impacts**

**Construction Noise**

The construction activities associated with implementation of the proposed project will result in increased noise levels relative to existing conditions.  These impacts will primarily be associated with construction equipment and pile driving.

The following table (Table “X”) shows peak noise levels monitored at 50 feet from various types of construction equipment.  This equipment is primarily associated with site grading/site preparation, which is generally the roadway construction phase associated with the greatest noise levels.

**Table “X” – Typical Construction Equipment Noise Levels at 50 feet**

|  |  |  |  |
| --- | --- | --- | --- |
| Equipment Type | Manufacturers Sampled | Total Number of Models in Sample | Peak Noise Level (dBA) |
|  |  |  | Range | Average |
| Backhoes | 5 | 6 | 74-92 | 83 |
| Front Loaders | 5 | 30 | 75-96 | 85 |
| Dozers | 8 | 41 | 65-95 | 85 |
| Graders | 3 | 15 | 72-92 | 84 |
| Scrapers | 2 | 27 | 76-98 | 87 |
| Pile Drivers | N/A | N/A | 95-105 | 101 |

Source:  United States Environmental Protection Agency and Federal Highway Administration

Elevated noise levels are, to a degree, unavoidable for this type of project.  \_\_\_\_\_\_\_\_(*insert project proposer name here*) will require that construction equipment be properly muffled and in proper working order.  While \_\_\_\_\_\_\_\_(*insert project proposer name here*) and its contractor(s) are exempt from local noise ordinances, it is the practice to require contractor(s) to comply with applicable local noise restrictions and ordinances to the extent that is reasonable. Advanced notice will be provided to affected communities of any planned abnormally loud construction activities.  It is anticipated that night construction ***may/will/will not*** sometimes be required to minimize traffic impacts and to improve safety. However, construction will be limited to daytime hours as much as possible. This project is expected to be under construction for ***XX*** months.  If necessary, a detailed nighttime construction mitigation plan will be developed during the project final design stage.

Any associated high-impact equipment noise, such as pile driving, pavement sawing, or jack hammering, will be unavoidable with construction of the proposed project. Pile-driving noise is associated with any bridge construction and sheet piling necessary for retaining wall construction. While pile-driving equipment results in the highest peak noise level, as shown in Table “X”, it is limited in duration to the activities noted above (e.g., bridge construction). The use of pile drivers, jack hammers, and pavement sawing equipment will be prohibited during nighttime hours.