Project Name: **<enter project name>**

Applicable CSJ(s): **<enter CSJ(s)>**

List Noise Barrier ID or Name for barrier(s) discussed in this form: **<enter barrier ID(s)>**

*If multiple barriers are discussed in this form, please clearly label each discussion and determination.*

Date Form Completed: **<enter date form was completed>**

Prepared By: **<enter name and affiliation of person who prepared this form>**

Constructability information provided by: **<if different from preparer, enter name(s) and affiliation(s) of person or group(s) who provided design information and/or construction cost estimates.>**

Has Project received environmental clearance?

Yes **<enter clearance type and date>**  No

Indicate current stage of project design:

Schematic

30% Plans, Specifications, & Estimates (PS&E)

60% PS&E

Other: **<explain>**

**I. Noise Abatement Proposal (Preliminary)**

*List the noise abatement proposal details from the environmental documentation for the traffic noise barrier(s) discussed in this form. This is the starting point, based on preliminary noise modeling, before any adjustments that may be determined feasible and reasonable as part of this assessment.*

**<If applicable, include relevant discussion about the noise barrier proposal or project history, such as re-evaluations for noise.>**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Barrier ID | Representative Receiver(s) | Total # Benefited Receptors | Length (feet) | Height (feet) | Total Sq. Ft. | Sq. Ft. Per Benefited Receptor |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**II. Constructability Assessment**

*List and explain any project-specific “ground rules” or standard engineering methodology that may affect the analysis or placement of the noise abatement. For example: the type of noise barrier system under consideration, location relative to the ROW or main lanes, installation considerations, design considerations for utilities, topographic constraints, drainage, safety issues (e.g. sight lines), access requirements, and/or maintenance issues.*

**<enter explanation>**

**III. Site Constraint or Design Issues**

*Explain issues specific to this noise barrier (e.g., utility conflicts, drainage, topography, ROW, etc.). For each constraint, determine if issue could be resolved by changing the project design or abatement design. (See TxDOT’s Traffic Noise Implementation Guidance for information on the feasible and reasonable abatement criteria.)*

*If substantial changes to the abatement design (location and/or height) are required, then a new Traffic Noise Model (TNM) analysis must be prepared to confirm that the barrier still meets required abatement criteria for acoustic reduction and cost reasonableness (Standard Barrier Cost). Include discussion of noise modeling results and attach TNM.zip.*

**<enter explanation>**

Attachment(s):

Map(s) and/or exhibit(s) showing preliminary plan and profile or typical section views for the proposed barrier. Any site constraints or design issues should be shown in detail and clearly labeled.

TNM.zip files for revised analysis.

Other: **<describe>**

**IV. Construction Costs**

*If construction costs directly associated with a proposed barrier are believed to be unreasonably high (see TxDOT’s Traffic Noise Implementation Guidance for information on determining cost reasonableness), please explain issues and/or attach the Alternate Barrier Cost Assessment Worksheet.*

* *The alternate barrier cost analysis includes the costs of any additional ROW, of utility adjustments directly associated with construction of a noise barrier, and for additional design elements necessary to accommodate unusual topographic or drainage features directly associated with construction of a noise barrier.*
* *Important note: This analysis does not include the actual estimated wall-only cost of the barrier itself. Also, contingency costs cannot be added to these costs.*

**<enter explanation>**

Attachment(s):

Alternate Barrier Cost Assessment Worksheet for each barrier for which additional construction direct costs were analyzed.

Other: **<describe>**

**V. Constructability Assessment Determination**

Based on the information above, select the appropriate determination below (select only one determination per barrier; repeat or annotate the determination table for each barrier outcome discussed in this form):

|  |  |  |
| --- | --- | --- |
| **Noise Barrier ID: <enter barrier ID(s)>** | | |
|  | The noise barrier as originally proposed is feasible and reasonable. | * *There are no site constraints, cost concerns, or design issues that would change the original length, height, or placement of the noise barrier.* * *The proposed noise barrier details can be presented to affected property owners and residents at a noise workshop for a vote.* * *If approved by a majority of responding eligible voters, the noise barrier will be added to PS&E before project letting.* |
|  | The noise barrier is feasible and reasonable, with adjustments due to the issues described above.  **<enter short summary of adjustments>** | * *Substantial adjustments to the noise barrier length, height, or placement have been analyzed to confirm barrier meets acoustic and cost criteria.* * *The proposed noise barrier details can be presented to affected property owners and residents at a noise workshop for a vote.* * *If approved by a majority of responding eligible voters, the noise barrier will be added to PS&E before project letting.* |
|  | The noise barrier is no longer feasible and/or reasonable.  **<enter short summary explanation>** | * *Traffic noise impacts in the affected area will not be mitigated by abatement.* * *A noise barrier will not be constructed as part of this project.* |

**V. Final Noise Barrier Proposal**

For noise barrier(s) proceeding to noise workshop, fill in the table below to describe the constructable barrier(s).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Barrier ID | Representative Receiver(s) | Total # Benefited Receptors | Length (feet) | Height (feet) | Total Sq. Ft. | Sq. Ft. Per Benefited Receptor |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |