Traffic Noise Flowchart for Draft EIS

Is this a Type I project?

See http://www.dot.state.mn.us/environment/noise/index.html for definition of a Type I project

NO → **Evaluate construction noise**

YES ↓

Are there noise sensitive receptors in the project area?

NO → **Evaluate construction noise**

YES → **Send results to local agency as required by 23 CFR 772.17**

YES ↓

Perform detailed noise analysis including construction noise

↓

Result in traffic noise impact?

Do noise levels exceed State Standards and/or approach or exceed Federal Criteria? Are there substantial impacts (greater than a 5 dBA increase over the existing level)? Note: All alternatives require a noise impact analysis.

NO → **No further analysis necessary** → **Report in draft EIS**

YES ↓

Design preliminary noise abatement (preferred alternative only)

↓

Feasibility determined by at least one receptor location receiving a noise reduction of at least 5 dBA per barrier. Reasonability determined by at least one receptor location receiving a noise reduction of 7 dBA or more per barrier and a barrier cost effectiveness value less than or equal to $43,500/Benefited Receptor.

Is noise abatement feasible and reasonable?

YES → **Noise abatement proposed** → **Report in draft EIS**

NO → **Noise abatement is not proposed** → **Report in draft EIS**