Traffic Noise Flowchart for Draft EIS

Is this a Type I project?

Are there noise sensitive receptors in the project area?

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.

Design preliminary noise abatement (preferred alternative only)

Is noise abatement feasible and reasonable?

Noise abatement proposed

Noise abatement not proposed

Report in draft EIS

Report in draft EIS

Evaluate construction noise

Send results to local agency as required by 23 CFR 772.17

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.

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