

2EN3 Stage 2 - Traffic Noise and Air Quality

QA Checklist for DNR NOISE ANALYSIS WORK PLAN

SPOT ID/Project TIP #: _____

County: _____

Note: This QA checklist is for the initial submittal only. For subsequent submittals, the Comment/Response matrix will serve as QA checklist.

Item #	Review Item	Yes	No	N/A
QA.0	Appropriate QC has taken place (all applicable State and Federal regulations, standards, and policies are met and all modeling, calculations, designs, reports, etc. are complete, accurate and reasonable.)			
QA.1	Reporting			
QA.1.1	Prepared by a traffic noise analyst prequalified with NCDOT to prepare DNRs.			
QA.1.2	The Noise Analysis Work Plan Template has been followed.			
QA.1.2.1	The applicable TNP has been correctly specified.			
QA.1.2.2	Includes the project's DOPK, and the type of final environmental document that was signed on that date.			
QA.1.2.3	Correct design speed provided.			
QA.1.2.4	Explains why the project is a Type I for noise study purposes.			
QA.1.2.5	Discusses any areas where model validation isn't needed (for new location projects).			
QA.1.2.6	Includes a discussion of new development permitted before DOPK not included in TNR.			
QA.1.2.7	Includes a discussion of any new development permitted after the DOPK and therefore not included in analysis.			
QA.1.3	Schedule for completing the traffic noise analysis is reasonable.			
QA.1.4	Green Sheet Commitments from the final Environmental Document have been reviewed for noise specific commitments. If any, they are documented in the Work Plan.			
QA.1.5	Project traffic forecast shows no "extreme" directional splits as defined in the Manual (i.e. 65% directional factor, or greater). If there are extreme directional splits, coordination with the Traffic Noise and Air Quality Group has occurred to determine the best traffic calculation method.			

Item #	Review Item	Yes	No	N/A
QA.2	Figures			
QA.2.1	Figures show appropriate number and location of proposed short-term and long-term noise monitoring sites, and number of SLMs per site, as applicable, indicated with white dots on the figures (can be adjusted in the field if needed). Include reason(s) for any long-term measurements, as applicable.			
QA.2.2	Figures include all receptor locations and the associated noise abatement criteria (NAC) activity category for each location, including black dots for NAC F and other non-noise sensitive land uses.			
QA.2.3	Receptors are placed on all new (not included in TNR) noise-sensitive development permitted on or before DOPK.			
QA.2.4	New development permitted after DOPK is clearly identified.			
QA.2.5	Proposed spatial limits of traffic noise study area generally follow guidance from the applicable NCDOT Traffic Noise Manual (may need to be expanded following the initial noise modeling effort if the outer limit of predicted traffic noise impacts and/or benefits is not defined).			
QA.2.6	NSA boundaries are shown.			
QA.2.7	Proposed design is shown.			

For items marked NO or N/A that require further explanation, provide comments or action items in the table below.

Item #	Comments and Action Items

This checklist may not be comprehensive to every project. All items may not be applicable for smaller projects. It is the responsibility of the reviewer to ensure that an adequate review is performed.

I have reviewed the deliverables for consistency with this checklist and confirmed that all items have been completed.

QA Reviewer Name: _____ Date: _____

QA Reviewer (Signature): _____