*All modeling must be done in accordance with MoDOT’s Noise Procedures and TNM Modeling Guidelines*

|  |  |
| --- | --- |
| **Project** |  |
| **County** |  |
| **PIN** |  |
| **Project Number** |  |
| **Project Plans Description and Date** |  |
| **Traffic Data Source and Date** |  |
| **TNM Modeler** |  |
| **Date Checklist Completed** | Click here to enter a date. |
| **TNM Reviewer** |  |
| **Date Checklist Completed** | Click here to enter a date. |

| **TNM Run** |  | **Modeling Year** |  |
| --- | --- | --- | --- |
| **Input** | **Task** | **Complete?** | **Notes** |
| Setup | Run Information |[ ]   |
|  | General |[ ]   |
| Roadways | Roadway names assigned |[ ]   |
|  | Traffic and Speeds on all Roadways |[ ]   |
|  | Widths of All Roadways per Guidance |[ ]   |
|  | Lengths of all roadways are adequate to accurately represent roadway contributions |[ ]   |
|  | Points tied to stationing if available |[ ]   |
|  | Elevations appear to be correct |[ ]   |
|  | Traffic Flow Control Devices Modeled* Traffic Signals
* Stop Signs
* On-Ramps
 |[ ]   |
|  | Roadways modeled on structure as appropriate |[ ]   |
| Receivers | Receivers named by address or stationing |[ ]   |
|  | Number of dwelling units set for each receiver (if applicable) |[ ]   |
|  | Receivers in order of adjacent traffic flow |[ ]   |
|  | Elevations appear to be correct |[ ]   |
|  | Elevations at second-story locations at appropriate heights (if applicable) |[ ]   |
|  | Enough receivers modeled (for impacts and benefits) |[ ]   |
|  | NAC set per State’s Policy for each receiver/ land use |[ ]   |
|  | Noise Reduction set per State’s Policy |[ ]   |
|  | Substantial Increase set per State’s Policy |[ ]   |
| Barriers | Significant buildings modeled |[ ]   |
|  | Parapets, etc. modeled |[ ]   |
|  | Perturbable barriers modeled as applicable |[ ]   |
|  | Barrier names assigned |[ ]   |
|  | Barrier points named by stationing or length |[ ]   |
|  | Barrier heights assigned |[ ]   |
|  | Elevations appear to be correct |[ ]   |
|  | Increment and #up/down assigned |[ ]   |
|  | Barriers modeled on structure as appropriate and shielded lists are correct |[ ]   |
| Building Rows | Building rows modeled per FHWA Guidance |[ ]   |
|  | Elevations appear to be correct |[ ]   |
|  | Height and percentage assigned |[ ]   |
| Terrain Lines | Significant terrain features modeled  |[ ]   |
|  | Terrain line names assigned |[ ]   |
|  | Elevations appear to be correct |[ ]   |
| Ground Zones | Ground Zones modeled per FHWA Guidance |[ ]   |
|  | Ground zone names assigned |[ ]   |
|  | Ground zone types assigned |[ ]   |
| Tree Zones | Tree zones modeled per FHWA Guidance |[ ]   |
|  | Tree zone names assigned |[ ]   |
|  | Elevations appear to be correct |[ ]   |
| Perspective Views | Perspective views checked for accuracy |[ ]   |
| Skew Views | Numerous skew views cut and checked for accuracy |[ ]   |
| Input Check | Input Check completed and errors fixed/documented |[ ]   |