*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 |  |  | |