**TRAFFIC MODEL SCOPE**

Wisconsin Department of Transportation

DT2290 4/2018

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| Project ID(s)      | Region      | Date (m/d/yyyy)      |
| Project Name/Description      | WisDOT Project Manager      |
| Highway(s)      | Project Limits      |
| **Project Details** |
| Project Process[ ]  Planning [ ]  Design [ ]  Work Zone [ ]  Other:       | Project Type [ ]  Standard/Routine [ ]  High Profile [ ]  Mega |
| Report Type[ ]  EA [ ]  EIS [ ]  Tiered EIS [ ]  PEL [ ]  IAJR [ ]  Other:       |
| Briefly describe the purpose and objectives of the project, specifically as they relate to the traffic analysis:      |
| Briefly describe any known issues/concerns for the study area, specifically as they relate to traffic:      |
| Briefly describe any emerging/future issues that the traffic model needs to address (e.g., new development):      |
| Identify other approved/pending projects to consider:      |
| Briefly describe any known or potential budget and/or schedule constraints:      |
| What is critical path for the project? Does the traffic analysis fall on the critical path? When will changes in the project scope/purpose significantly affect the project schedule?      |
| **Stakeholder Involvement** Identify those stakeholders that may need to be involved in the development and/or review of the traffic models. Indicate their intended level of involvement (e.g., resource, project review, traffic analysis, etc.) |
| Internal Stakeholders | External Stakeholders |
| [ ]  Project Team      | [ ]  Region      | [ ]  FHWA      | [ ]  MPO/RPC      |
| [ ]  BTO      | [ ]  BSHP      | [ ]  City/County      | [ ]  Independent Consultant      |
| [ ]  Traffic Forecasting      | [ ]  Other:            | [ ]  Other:            |

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| **Traffic Analysis Details** |
| Purpose of Traffic Model | Analysis Method(s): |
| [ ]  Technical Evaluation (MOEs) | [ ]  Reality Check  | [ ]  HCM | [ ]  Microscopic Simulation |
| [ ]  Visual Animation/Presentation | [ ]  Other:       | [ ]  Unknown | [ ]  Other:       |
| What are the intended outputs/measures of effectiveness (MOE) for each analysis methodology? Indicate whether the analysis methodology will be the primary or secondary source for the output. |
| Desired Output/MOE | HCM Methodology | Microscopic Simulation | Other:       |
| [ ]  LOS | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary |
| [ ]  Speed | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary |
| [ ]  Travel Time | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary |
| [ ]  Queues | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary |
| [ ]  Density | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary |
| [ ]  Lane Utilization | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary |
| [ ]  Weaving | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary |
| [ ]  Travel Time Reliability | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary |
| [ ]  Other:       | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary | [ ]  Primary | [ ]  Secondary |
| Briefly describe the geographic extent of the traffic model(s). (The geographic boundaries may be different for each traffic analysis tool/model.)      |
| Roadway elements to include in the traffic model: |
| [ ]  Freeway Facilities | [ ]  Basic Freeway Segments | [ ]  Freeway Weaving Segments | [ ]  Freeway Merge/Diverge Segments |
| [ ]  Multilane Highways | [ ]  Two-Lane Highways | [ ]  Urban Street Facilities | [ ]  Urban Street Segments |
| [ ]  Isolated Intersections | [ ]  Ramp Terminals | [ ]  Alternative Intersections | [ ]  Ped/Bike Facilities |
| [ ]  Other:       |
| Analysis Time Period(s): |
| [ ]  Weekday AM PeakHours:       | [ ]  Weekday PM Peak Hours:       | [ ]  Fri. Peak Hours:       | [ ]  Sat. Peak Hours:       | [ ]  Sun. Peak Hours:       | [ ]  Other:      Hours:       |
| Analysis Years: | Will model be constrained or unconstrained? |
| [ ]  Base Year      | [ ]  Design Year       | [ ]  Other:            | [ ]  Constrained      | [ ]  Unconstrained      | [ ]  Unknown      |
| Identify the number/types of models to analyze (e.g., an AM and PM analysis period would require two models for each scenario): |
| [ ]  Base# Models:       | [ ]  No Build# Models:       | [ ]  Build# Models:       | [ ]  Other:      # Models:       |
| What travel modes need to be considered? |
| [ ]  SOV [ ]  HOV [ ]  Trucks [ ]  Bus/Transit [ ]  Rail [ ]  Bikes [ ]  Pedestrians [ ]  Other:       |
| Traffic Model Complexity Score and Minimum Level of Peer Review Required (see TEOpS 16-25-2): |
| [ ]  0-3, Project Team Level Review | [ ]  4-7, Region Level Review | [ ]  8-10, Consultant Level Review | [ ]  11+, SWB Level Review |
| **Data Needs and Potential Sources** |
| [ ]  AADT      | [ ]  Turn Counts      | [ ]  Queues      | [ ]  Speeds      | [ ]  Travel Times      | [ ]  Lane Utilization      |
| [ ]  Traffic Forecasts      | [ ]  % Trucks      | [ ]  O-D Surveys      | [ ]  Signal Timing      | [ ]  Ramp Meter Rates      | [ ]  Other:            |
| Other Elements to Consider:      |