

City of Mount Juliet Multimodal Transportation Analysis Checklist

Project Name:	
Location:	
Project Developer:	
Transportation Analysis Preparer:	
Project Description:	
Scoping Meeting Date:	
Date of Submission:	
Comments: If N/A is marked for any reason, please explain here.	

**ALL ITEMS HAVE BEEN REVIEWED AND DETERMINED TO BE
ACCEPTABLE BY:**

City of Mount Juliet Personnel:	
Date:	

City of Mount Juliet Multimodal Transportation Analysis Checklist

1. Transportation Analysis Scoping and Preparation

(Chapters 1 and 2 of the City of Mount Juliet Multimodal Transportation Analysis Guidelines)

Yes N/A

- Transportation analysis scoping meeting scheduled between the COMJ, the developer, and the traffic study preparer.
- Transportation Analysis Screening Evaluation Form completed and accepted by the COMJ.
- Transportation analysis scoping meeting minutes prepared by the developer and approved by the COMJ prior to initiation of the transportation analysis.
- Separate meeting held with appropriate TDOT personnel if project site accesses a state route.
- TDOT meeting minutes prepared by the developer and approved by the COMJ prior to initiation of transportation analysis.
- Trip generation volumes developed in accordance with Chapter 2.1 of the COMJ Multimodal Transportation Analysis Guidelines.
- Internal capture reduction percentages used in this study do not exceed 10% or prior approval from COMJ granted to use a higher percentage.
- Pass-by trips do not exceed 10% or COMJ approval granted for a higher percentage and pass-by trips do not reduce volume of trips entering or exiting the site.
- Background growth percentage approved by COMJ prior to initiation of traffic study.
- Each proposed land use has its own trip distribution model developed.
- Trip distribution approved by COMJ prior to completion of traffic study.
- Relevant signal timing sheets requested from COMJ prior to initiation of traffic study.
- Traffic volume data collected at intersections within the study area limits and for the durations determined at transportation analysis scoping meeting and approved by COMJ.

City of Mount Juliet Multimodal Transportation Analysis Checklist

2. Traffic Review

(Chapter 3 of the City of Mount Juliet Multimodal Transportation Analysis Guidelines)

Yes N/A

- Traffic study developed for appropriate horizon year in accordance with the City of Mount Juliet Multimodal Transportation Analysis Guidelines and the transportation analysis scoping meeting.
- Traffic capacity analysis conducted using latest version of Synchro, or a similar software based on HCM methodology approved during scoping process, with any changes from default software setting noted in report and approved by COMJ.
- Average vehicle delay presented in traffic review in accordance with section 3.2 of the City of Mount Juliet Multimodal Transportation Analysis Guidelines and the transportation analysis scoping meeting.
- Traffic capacity analysis developed for existing traffic conditions, future year traffic conditions, build traffic conditions, and mitigated build traffic conditions.
- Traffic capacity analysis developed for all peak hours identified in the approved Transportation Analysis Screening Form.
- No LOS E or worse exists in the mitigated build traffic conditions or justification for LOS E or worse results provided.
- Any supplementary analysis required in the scoping process has been developed in accordance with section 3.3 of the City of Mount Juliet Multimodal Transportation Analysis Guidelines.

City of Mount Juliet Multimodal Transportation Analysis Checklist

3. Multimodal Review

(Chapter 4 of the City of Mount Juliet Multimodal Transportation Analysis Guidelines)

Yes N/A

- Bicycle network evaluation completed and included in report in accordance with section 4.2 of the City of Mount Juliet Multimodal Transportation Analysis Guidelines.
- Pedestrian network evaluation completed and included in report in accordance with section 4.3 of the City of Mount Juliet Multimodal Transportation Analysis Guidelines.

4. Safety Review

(Chapter 5 of the City of Mount Juliet Multimodal Transportation Analysis Guidelines)

Yes N/A

- Five-year historical crash data received from the COMJ.
- All potential high-risk conflict points identified and proposed development designed to reduce all conflict points especially those that are high-risk.
- Intersection sight distance of proposed accesses have been reviewed.
- All site accesses on state routes meet the guidelines defined in the TDOT HSAM.
- Transportation analysis report summarizes how the traffic facilities and operations, as well as the multimodal accommodations, impact safety in the study area.

5. Mitigation

(Chapter 6 of the City of Mount Juliet Traffic Study Requirements for Proposed Developments)

Yes N/A

- Transportation analysis identifies potential mitigation measures as well as potential improvement projects.
- Mitigation measures proposed to address any LOS E or worse capacity results, and/or justification provided for not mitigating the poor results.