

## City of Mount Juliet Multimodal Transportation Analysis Checklist

Project Name:	
Location:	
Project Developer:	
Transportation Analysis Preparer:	
Project Description:	
Scoping Meeting Date:	
Date of Submission:	
<b>Comments:</b> 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	
<input type="checkbox"/>	<input type="checkbox"/>	Transportation analysis scoping meeting scheduled between the COMJ, the developer, and the traffic study preparer.
<input type="checkbox"/>	<input type="checkbox"/>	Transportation Analysis Screening Evaluation Form completed and accepted by the COMJ.
<input type="checkbox"/>	<input type="checkbox"/>	Transportation analysis scoping meeting minutes prepared by the developer and approved by the COMJ prior to initiation of the transportation analysis.
<input type="checkbox"/>	<input type="checkbox"/>	Separate meeting held with appropriate TDOT personnel if project site accesses a state route.
<input type="checkbox"/>	<input type="checkbox"/>	TDOT meeting minutes prepared by the developer and approved by the COMJ prior to initiation of transportation analysis.
<input type="checkbox"/>	<input type="checkbox"/>	Trip generation volumes developed in accordance with Chapter 2.1 of the COMJ Multimodal Transportation Analysis Guidelines.
<input type="checkbox"/>	<input type="checkbox"/>	Internal capture reduction percentages used in this study do not exceed 10% <u>or</u> prior approval from COMJ granted to use a higher percentage.
<input type="checkbox"/>	<input type="checkbox"/>	Pass-by trips do not exceed 10% or COMJ approval granted for a higher percentage <u>and</u> pass-by trips do not reduce volume of trips entering or exiting the site.
<input type="checkbox"/>	<input type="checkbox"/>	Background growth percentage approved by COMJ prior to initiation of traffic study.
<input type="checkbox"/>	<input type="checkbox"/>	Each proposed land use has its own trip distribution model developed.
<input type="checkbox"/>	<input type="checkbox"/>	Trip distribution approved by COMJ prior to completion of traffic study.
<input type="checkbox"/>	<input type="checkbox"/>	Relevant signal timing sheets requested from COMJ prior to initiation of traffic study.
<input type="checkbox"/>	<input type="checkbox"/>	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.

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## Multimodal Transportation Analysis Checklist

### 2. Traffic Review

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

**Yes    N/A**

- |                          |                          |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 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.   |
| <input type="checkbox"/> | <input type="checkbox"/> | 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. |
| <input type="checkbox"/> | <input type="checkbox"/> | 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.                               |
| <input type="checkbox"/> | <input type="checkbox"/> | Traffic capacity analysis developed for existing traffic conditions, future year traffic conditions, build traffic conditions, and mitigated build traffic conditions.  |
| <input type="checkbox"/> | <input type="checkbox"/> | Traffic capacity analysis developed for all peak hours identified in the approved Transportation Analysis Screening Form.   |
| <input type="checkbox"/> | <input type="checkbox"/> | No LOS E or worse exists in the mitigated build traffic conditions <u>or</u> justification for LOS E or worse results provided.   |
| <input type="checkbox"/> | <input type="checkbox"/> | 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.   |

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## Multimodal Transportation Analysis Checklist

### 3. Multimodal Review

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

Yes    N/A

- |                          |                          |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Bicycle network evaluation completed and included in report in accordance with section 4.2 of the City of Mount Juliet Multimodal Transportation Analysis Guidelines.    |
| <input type="checkbox"/> | <input type="checkbox"/> | 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

- |                          |                          |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Five-year historical crash data received from the COMJ.   |
| <input type="checkbox"/> | <input type="checkbox"/> | All potential high-risk conflict points identified and proposed development designed to reduce all conflict points especially those that are high-risk.         |
| <input type="checkbox"/> | <input type="checkbox"/> | Intersection sight distance of proposed accesses have been reviewed.  |
| <input type="checkbox"/> | <input type="checkbox"/> | All site accesses on state routes meet the guidelines defined in the TDOT HSAM.   |
| <input type="checkbox"/> | <input type="checkbox"/> | 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

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