



MICROSIMULATION PEER REVIEW REPORT

Wisconsin Department of Transportation (WisDOT)

DT2291 9/2015

Attachment 2.3 DT2291 Microsimulation Peer Review Report

Reviewer, please email completed form to:

To: Project Manager & Region Contact
 CC: [DOT Traffic Model Peer Review](#)
 Subject: DT2291 for Project ID; Traffic Model Name

Date Reviewed (m/d/yyyy):	1 st Review	2 nd Review	3 rd Review
Reviewed By:			
Model Completion/Revision Date(m/d/yyyy):			

CONTACT INFORMATION

Lead Reviewer	Name (First, MI, Last)	Lead Analyst	Name (First, MI, Last)	Region Contact	Name (First, MI, Last)
	Organization/Firm		Organization/Firm		Region/Bureau
	(Area Code) Telephone Number		(Area Code) Telephone Number		(Area Code) Telephone Number
	Email Address		Email Address		Email Address

TRAFFIC MODEL DESCRIPTION

Project ID(s)	Project Name/Description	Region:	Highway(s)
Traffic Model Name/Description	Analysis Scenario/Alternative	Analysis Year(s)	

Analysis Time Period (s)

- Weekday AM Peak Hours:
 Weekday Midday Peak Hours:
 Weekday PM Peak Hours:
 Fri Peak Hours:
 Sat Peak Hours:
 Sun Peak Hours:
 Other: Hours:

Analysis Tool(s) Utilized

- SimTraffic- Version:
 Paramics - Version:
 Vissim - Version:
 Other: - Version:

SCOPE AND EXTENT OF PEER REVIEW

Purpose & Scope of Review

Description/Limit of Model

Configuration Settings

Number of Zones:	Number of Time Steps:	Speed Memory:	Assignment Type:
Mean Target Headway:	Mean Reaction Time	Matrix Structure	Vehicle Classifications/Splits
Seed Values Used for Calibration:			
Seed Values Used for Review:			
Other:			

Were any changes to the model made by the review team? If yes, please describe.

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DIRECTIONS

This form is applicable for the review of all microsimulation traffic models, regardless of the traffic software program utilized to develop the traffic model. However, this form focuses on the SimTraffic, Paramics and Vissim microsimulation software packages.

When noting problems or concerns, identify the severity of the issue and the revisions recommended using the following scale: Minor, Moderate, or Major. Check the appropriate box associated with each review (the blue box for the 1st review, the green box for the 2nd review and the purple box for the 3rd review).

If more than one review of the traffic model is required, use different color text to distinguish the comments associated with each review (e.g., *comments from the 1st review should be in blue text, comments from the 2nd review should be in green text, and comments from the 3rd review should be in purple text*). Provide any supporting tables, screenshots, or additional images in a separate attachment to this form.

OBSERVATIONS, MODEL FEATURES AND CHARACTERISTICS

Geometrics /Traffic Control	<p>Network Coding</p>	<p>Network Coding establishes the horizontal and vertical geometry of the network. It also includes the appropriate use of settings such as link free-flow speed.</p> <ul style="list-style-type: none"> For SimTraffic, this is coded within the Synchro module and includes placement and interconnection of nodes and links, number of lanes, lane widths, lane configurations, roadway curvature, storage lengths, and other intersection and network geometry. For Paramics this includes placement and interconnection of nodes, links and link categories, curb points, curves, turn lanes, merge points, stop bars, signposts, and other network infrastructure. For VISSIM this includes the placement and interconnection of links, connectors, desired speed decisions, reduced speed areas, conflict areas, and priority rules. 	
	<p>As a whole, network coding is:</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable</p> <p>Extent of Revisions Required:</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required</p>	<p>Observations/Comments:</p>	<p>Analyst Response</p>
		<p>1st Review</p>	<p>1st Review</p>
		<p>2nd Review</p>	<p>2nd Review</p>
		<p>3rd Review</p>	<p>3rd Review</p>
	<p>Intersection Traffic Control & Ramp Metering</p>	<p>Intersection Controls are devices that regulate traffic flow at intersections, such as signals, roundabouts, and stop-controlled intersections. Elements of the signals may include the controller type, detector placement, signal heads, signal groups, and/or coordination between signals. Ramp meters control the rate of entry to a freeway. Comments on signal and ramp meter timing plans may be included in this section.</p>	
<p>As a whole, intersection controls are:</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable</p> <p>Extent of Revisions Required:</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required</p>	<p>Observations/Comments:</p>	<p>Analyst Response</p>	
	<p>1st Review</p>	<p>1st Review</p>	
	<p>2nd Review</p>	<p>2nd Review</p>	
	<p>3rd Review</p>	<p>3rd Review</p>	

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Geometrics / Traffic Control	<p>Closures, Restrictions, & Incidents</p>	<p><i>Closures represent links or lanes that are temporarily or permanently closed to traffic. Restrictions represent links or lanes that are temporarily or permanently closed to specific types of vehicles (such as lanes designated for High Occupancy Vehicles or lanes restricting truck use). Incidents include simulated vehicle break-downs, etc.</i></p> <ul style="list-style-type: none"> This feature is not applicable for SimTraffic 	
	<p>As a whole closures, restrictions & incidents are:</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable</p> <p>Extent of Revisions Required:</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required</p>	<p>Observations/Comments:</p> <p>1st Review</p> <p>2nd Review</p> <p>3rd Review</p>	<p>Analyst Response</p> <p>1st Review</p> <p>2nd Review</p> <p>3rd Review</p>
	<p>Entrance Ramps</p>	<p><i>Driver behavior and lane utilization approaching entrance ramps should be reviewed in this section.</i></p> <ul style="list-style-type: none"> For SimTraffic, modifications to the default mandatory distance and positioning distance settings should be reviewed. For Paramics, modifications to default ramp headway, minimum ramp time, and ramp aware distance should be reviewed. The minimum ramp time setting specifies how long a driver will stay on the parallel entrance ramp before beginning to look for a gap to merge onto the freeway. For VISSIM, the effective merging area defined by the positions of the links and connectors should be reviewed. 	
	<p>As a whole, the vehicle behavior approaching entrance ramps is:</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable</p> <p>Extent of Revisions Required:</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required</p>	<p>Observations/Comments:</p> <p>1st Review</p> <p>2nd Review</p> <p>3rd Review</p>	<p>Analyst Response</p> <p>1st Review</p> <p>2nd Review</p> <p>3rd Review</p>
	<p>Lane Use Parameters</p>	<p><i>Lane use parameters control the amount and/or destination of the traffic using each lane. A typical application of these parameters is to pre-position vehicles in advance of a fork in the road</i></p>	
	<p>As a whole, lane use parameters are:</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable</p> <p>Extent of Revisions Required:</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required</p>	<p>Observations/Comments:</p> <p>1st Review</p> <p>2nd Review</p> <p>3rd Review</p>	<p>Analyst Response</p> <p>1st Review</p> <p>2nd Review</p> <p>3rd Review</p>

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Traffic/Global	Zone Structure/Vehicle Inputs	<p>Zone structure and vehicle inputs define where and how traffic is loaded into the network.</p> <ul style="list-style-type: none"> For SimTraffic, the intersection turning movement volumes from the Synchro module determine how the traffic is loaded into the network. If volumes are imbalanced in the Synchro network, SimTraffic will assume a traffic source or sink between nodes (such as driveways). Reviewer should note imbalances that may not be realistic or representative of the network. For Paramics, zone structure relates to the placement of the zones representing the locations where traffic enters or leaves the network. Observations related to sectors and zone connectors should be included in this section. If the microsimulation model zones are derived from a travel demand model, reviewers should use this section to note any issues related to the consistency of the Paramics input data with respect to the travel demand model data. For VISSIM, vehicle inputs control where traffic is loaded into the network and how much is loaded. Reviewer should use this section to note any issues related to the consistency of input data related to the sources. 	
	As a whole, zone structure and vehicle inputs are:	Observations/Comments:	Analyst Response
	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Acceptable <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Unacceptable	<p>1st Review</p> <p>2nd Review</p> <p>3rd Review</p>	<p>1st Review</p> <p>2nd Review</p> <p>3rd Review</p>
	Extent of Revisions Required:		
	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> No Revisions Required <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Minor Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Moderate Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Major Revisions Required		
O-D Matrices, Demand Profiles, & Time Periods	<p>Origin-Destination (O-D) matrices contain the network demand patterns (number of trips between each pair of zones). Time Periods and Demand Profiles control the timing of the release of the trips into the network. In some cases multiple matrices are used (for example separate matrices for cars and heavy trucks). The reviewer should evaluate the source of the demand profile and time period selection.</p> <ul style="list-style-type: none"> For SimTraffic, network-wide O-D Matrices and demand profiles are not applicable. The intersection turning movement volumes, rather than network-wide O-D matrices, determines the origin and destination of the traffic. The Link O-D volumes setting can be modified within Synchro to model the weaving interaction between 2 adjacent intersections (such as zeroing out an off-ramp left-turn to on-ramp left-turn movement at a diamond interchange). Volume adjustment factors, rather than demand profiles, dictate the percentage of peak hour traffic to load into the network for each analysis period. Thus the intersection turning movement volumes, Link O-D volumes, volume adjustment factors (such as growth factor and PHF adjust settings), and the time and duration of the seeding (i.e., warm-up period) and recording (i.e., analysis period) periods should be reviewed. 		
As a whole, O-D matrices, demand profiles, & time periods are:	Observations/Comments:	Analyst Response	
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Acceptable <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Unacceptable	<p>1st Review</p> <p>2nd Review</p> <p>3rd Review</p>	<p>1st Review</p> <p>2nd Review</p> <p>3rd Review</p>	
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Traffic/Global	Core Simulation Parameters	<p>Core simulation parameters affect fundamental aspects of vehicle behavior in the network, such as driver aggressiveness and the willingness to merge into small gaps. Modifications to default software values should be reviewed.</p> <ul style="list-style-type: none"> For SimTraffic, examples of core simulation parameters to review include driver and vehicle characteristics and behaviors. For Paramics, examples of core simulation parameters to review include mean target headway, mean target reaction time, perturbation, global routing cost coefficients, driver familiarity, time steps, speed memory, allowing heavy vehicles to use all lanes, and matrix tuning. For VISSIM, examples of core simulation parameters to review include Driving Behaviors, Simulation Resolution, and Speed Distributions. 	
	As a whole, core simulation parameters are:	Observations/Comments:	Analyst Response
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable Extent of Revisions Required: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required	1 st Review 2 nd Review 3 rd Review	1 st Review 2 nd Review 3 rd Review
	Routing Parameters/ Vehicle Routes	<p>Routing parameters or vehicle routes influence the way vehicles travel through the network. If coded improperly, these controls can cause unrealistic or erratic routing.</p> <ul style="list-style-type: none"> This feature is not applicable for SimTraffic. However, interaction between intersections can be checked as noted with the Link O-D feature in the O-D Matrices, Demand Profiles, & Time Periods section. For Paramics, routing parameters (such as cost factors, turn penalties, modification of the link type hierarchy, and waypoints) override the default routing behavior and profoundly influence the route choice in the network. They are occasionally used to increase or decrease the traffic volume on specific links. For VISSIM, vehicle routes and vehicle routing decisions control the flow of traffic from the entrance points through the network. They can be coded using either actual vehicle flows or percentages. 	
As a whole, traffic routing parameters are:	Observations/Comments:	Analyst Response	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable Extent of Revisions Required: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required	1 st Review 2 nd Review 3 rd Review	1 st Review 2 nd Review 3 rd Review	

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Traffic/Global	Vehicle Types & Proportions		<i>The proportion of vehicles (such as trucks, buses, and High Occupancy Vehicles) influences the overall performance of each part of the network. Vehicle lengths (such as heavy truck lengths) should be reviewed.</i>
	As a whole, vehicle types & proportions are:		Observations/Comments:
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable		1 st Review
	Extent of Revisions Required:		2 nd Review
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	Stuck/Stalled Vehicles		<i>This section should be used to note any problems with stuck or stalled vehicles (including intermittent problems). These are vehicles that unexpectedly slow or stop partway through their route (which can cause backups that do not exist in the field).</i>
	As a whole, stuck/stalled vehicle occurrence is :		Observations/Comments:
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable		1 st Review
	Extent of Revisions Required:		2 nd Review
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required		3 rd Review
Special Features		<i>Special features include site- or study-specific items such as the use of detectors, car parks, variable message signs, special purpose lanes, speed harmonization, public transit routes, toll lanes, toll plazas, pedestrian modeling, special graphics, Application Programming Interfaces (APIs), etc</i>	
As a whole, use of special features is :		Observations/Comments:	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable		1 st Review	
Extent of Revisions Required:		2 nd Review	
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Traffic/Global	Consistency with Related Traffic Models	<i>Modeling studies often involve a series of related models (base model, future no-build, and build alternatives, different times of day, etc.). To assure the integrity of the study as a whole, these models must be consistent.</i>	
	As a whole, model consistency is :	Observations/Comments:	Analyst Response
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable Extent of Revisions Required: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required	1 st Review 2 nd Review 3 rd Review	1 st Review 2 nd Review 3 rd Review
	Calibration/Validation	<i>Calibration refers to the process where the analyst adjusts selected parameters within the traffic model (e.g., global and local headway and reaction times, driver aggressiveness, etc.) in order to get the traffic model to reproduce conditions observed in the field. Validation refers to the process where the analyst checks the traffic model outputs against field measured data including traffic volumes, travel speeds, travel times, intersection queuing and trip-making patterns (e.g., weaving volumes). The reviewer should spot-check the traffic model outputs and compare them to the results documented in the calibration/validation report. If the reviewer cannot produce similar outputs, it may indicate an issue with the traffic model's calibration.</i>	
Calibration/Validation/Documentation	As a whole, model calibration is :	Observations/Comments:	Analyst Response
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable Extent of Revisions Required: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required	1 st Review 2 nd Review 3 rd Review	1 st Review 2 nd Review 3 rd Review
	Documentation	<i>Proper documentation of modeling methods and assumptions establishes accountability and facilitates efficient revision, updating, and follow-up. Review team should verify that proper documentation has been provided.</i>	
	As a whole, model documentation is :	Observations/Comments:	Analyst Response
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable Extent of Revisions Required: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required	1 st Review 2 nd Review 3 rd Review	1 st Review 2 nd Review 3 rd Review	

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SUMMARY OF REVIEW		
Overall Traffic Model	As a whole, the traffic model is :	Summary of the review team's findings and recommendations
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Conditionally Acceptable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unacceptable	1 st Review
	Extent of Revisions Required:	2 nd Review
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> No Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Minor Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Moderate Revisions Required <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Major Revisions Required	3 rd Review

REVIEWER'S CONCLUSION (Check One)

- It is the opinion of the review team that the model as reviewed and tested is an accurate and reasonable representation of the traffic conditions in the study area for the analysis year, time period, and scenario/alternative indicated in the title block of this document.
- It is the opinion of the review team that the model as reviewed and tested requires correction of _____ errors before it can be regarded as a reasonable representation of the traffic conditions in the study area for the analysis year, time period, and scenario/alternative indicated in the title block of this document. (Indicate number and severity of errors: Minor, Moderate, or Major).

Prepared By (Signature)	Date <i>Click here to enter a date.</i>	Contact Information Phone: Email:
Prepared By (Signature)	Date <i>Click here to enter a date.</i>	Contact Information (Phone, Email) Phone: Email:
Prepared By (Signature)	Date <i>Click here to enter a date.</i>	Contact Information (Phone, Email) Phone: Email: