

**US 40 Fraser Corridor Existing Saturday Midday  
Vissim Model Validation Results (FHWA Criteria)**

Volume Calibration (FHWA Link Flow Criteria)		
Criteria	Results	Calibration Metric Achieved
Total Link Flow % Diff	0.0%	Yes
Flow < 700 veh/h, Within 100 veh/h	100%	Yes
700 veh/h < Flow < 2700 veh/h, Within 15%	100%	Yes

Volume Calibration (GEH Criteria)		
Criteria	Results	Calibration Metric Achieved
Total Link Flow GEH	0.01	Yes
Individual Link GEH <5	100%	Yes

FHWA Performance Criteria and Measures	Calibration Acceptance Target
<b>Individual link flows</b>	
Flow < 700 veh/h, Within 100 veh/h	> 85% of cases
700 veh/h < Flow < 2700 veh/h, Within 15%	> 85% of cases
Flow > 2700 veh/h, Within 400 veh/h	> 85% of cases
Difference in sum of all link flows	Within 5%
<b>GEH Statistic Value</b>	
GEH Statistic Value < 5, for individual link flows	> 85% cases
GEH Statistic Value for Sum of All Link Flows	< 4
<b>Travel Times, Model versus Observed</b>	
Within 15% (or 1 min, if higher)	> 85% cases

Network Travel Time Calibration: Midday Peak Hour (1:00-2:00 p.m.)								
Street	Dir.	Segment	Motorized Travel Time					Travel Time Calibration Result Achieved
			Field Travel Time (Minutes)	VISSIM Travel Time (Minutes)	Abs Diff (Minutes)	Diff.%	Within 1 minute?	
<b>Northbound Corridor</b>								
US 40	NB	Rendezvous Rd to CR 5	3.4	3.5	0.0	1%	Yes	Yes
<b>Southbound Corridor</b>								
US 40	SB	CR 72 to Rendezvous Rd	4.0	3.3	-0.71	-18%	Yes	Yes