

*Traditional trip-based models*

*Advanced*

Category	Criteria	AL	AZ	CA	FL	IN	LA	MS	MD	NC	TN	TX	WI	OH	OR
Trip generation	Aggregate trip rates				X								X		
	Trips by purpose				X				X	X		X	X		X
Trip distribution	Travel time		X										X		X
	Average trip lengths				X				X	X		X	X		X
Mode choice	Auto occupancy			X	X		X	X	X	X		X			X
	Mode share			X					X	X					X
Traffic assignment	Area type (volume vs. count)		X	X	X	X					X	X			
	Corridor (volume vs. count)					X				X				X	
	District/region (volume vs. count)			X	X		X	X		X	X	X	X		
	Facility type (volume vs. count)	X	X	X	X	X	X	X			X	X	X		
	Intercity transit ridership								X				X		X
	GEH statistic												X		
	RMSE by volume group		X		X	X			X	X	X		X	X	X
	R-squared (regression)		X												
	Screenline (volume vs. count)		X		X	X	X	X		X	X	X	X	X	
	Tonnage/commodity flows				X					X		X	X		X
	Total volume				X								X		
	Trucks (volume vs. count)				X				X				X		
	VHT (volume vs. count)				X										X
	VMT (volume vs. count)		X		X	X	X	X	X	X	X	X	X	X	X
	Volume group (volume vs. count)	X			X	X					X		X	X	

Source: NCHRP 08-36B, Task 91, “Validation and sensitivity considerations for statewide models” (2011); data from shaded states added by Rick Donnelly on 30-Jan-2016