Lane Change	Freeway		Weave		Merge		Diverge		Freeway (SB I-41 @ STH 441)		Weave (SB I-41 @ STH 441/CTH E)		Freeway (SB I-41 @ CTH E)		Merge (SB I-41 @ CTH E)		Notes
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
General Behavior	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Free Lane	Default
Own Maximum Deceleration (ft/sec^2)	-13.12	-13.12	-13.12	-13.12	-13.12	-13.12	-13.12	-13.12	-13.12	-13.12	-13.12	-13.12	-13.12	-13.12	-13.12	-13.12	Default
Own -1 ft/sec^2 Distance (ft)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	Default
Own Accepted Deceleration (ft/sec^2)	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	-3.28	Default
Trailing Maximum Deceleration (ft/sec^2)	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	Default
Trailing -1 ft/sec^2 Distance (ft)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	Default
Trailing Accepted Deceleration (ft/sec^2)	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	Default
Waiting Time Before Diffusion (sec)	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	Increased waiting time before diffusion helps to prevent vehicles being removed from the model before they are able to make their movement.
Minimum Headway (ft)	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	Default
To Slower Lane if Collision Time is Above	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Default
Safety Distance Reduction Factor	0.6	0.6	0.6	0.6	**0.4**	**0.4**	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	**0.4**	**0.4**	
Maximum Deceleration for Cooperative Braking (ft/sec^2)	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	-9.84	Default
Overtake Reduced Speed Areas	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Default
Advanced Merging	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Default
Vehicle Routing Decisions Look Ahead	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Default
Cooperative Lane Change	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Selecting the cooperative lane change option helps to improve operations everywhere, but especially in diverge, merge, and weave segments.
Maximum Speed Difference (mph)	6.71	6.71	6.71	6.71	**8.71**	**8.71**	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71	**8.71**	**8.71**	Increased maximum speed difference at the CTH E merge allows cars to merge earlier, reducing the backup on the entrance ramp.
Maximum Collision Time (sec)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	Default
Rear Correction of Lateral Position	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Default
Maximum Speed (mph)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Default
Active During Time Period After Lane Change Start (sec)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Default