


Existing Traffic (2019)

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

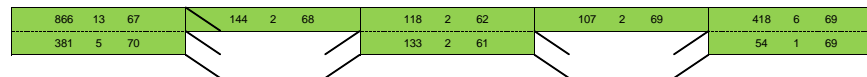
Eastbound I-69 C-D

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Legend			
Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Eastbound



To SB US 127


From SB US 127

To NB US 127

From NB US 127

*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

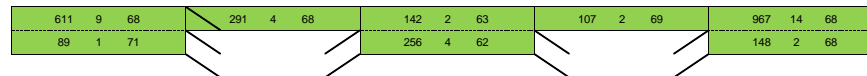
Eastbound I-69 C-D

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Legend			
Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Eastbound



To SB US 127

From SB US 127

To NB US 127

From NB US 127

*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60	
	25	45	
	0	25	

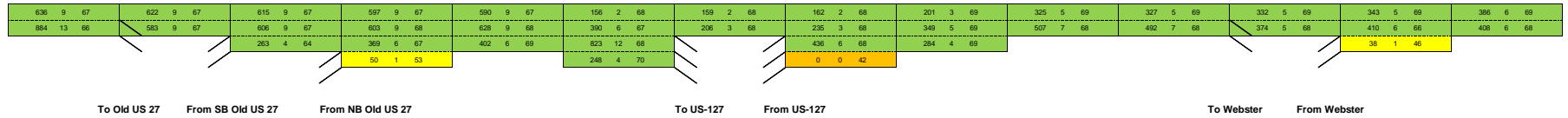
Eastbound I-69

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
-----	-----	-----	45 to 60
xxxx	xx	xx	25 to 45
-----	-----	-----	0 to 25
xxxx	xx	xx	

Travel Direction: Eastbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

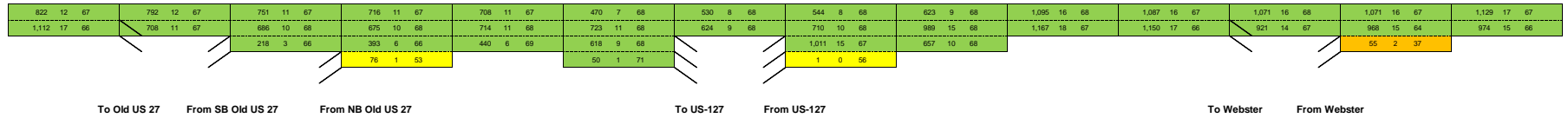
Eastbound I-69

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed


Volume (veh/n/hr)	Density (veh/n/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
-----	-----	-----	45 to 60
xxxx	xx	xx	25 to 45
-----	-----	-----	0 to 25
xxxx	xx	xx	

Travel Direction: Eastbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

SHOLDS

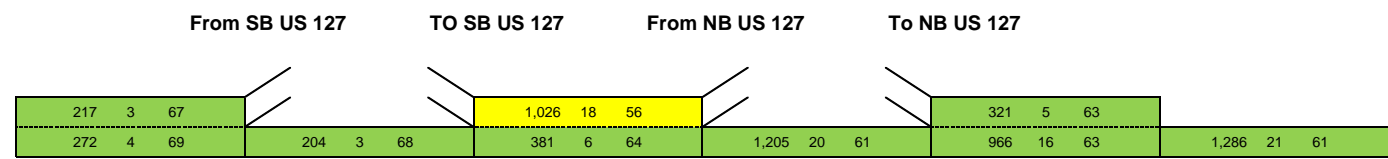
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Westbound I-69 C-D

Time: AM Peak


VISSIM OUTPUT: Volume, Density and Speed

Legend			
Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
-----	-----	-----	45 to 60
xxxx	xx	xx	25 to 45
-----	-----	-----	0 to 25
xxxx	xx	xx	



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

SHOLDS

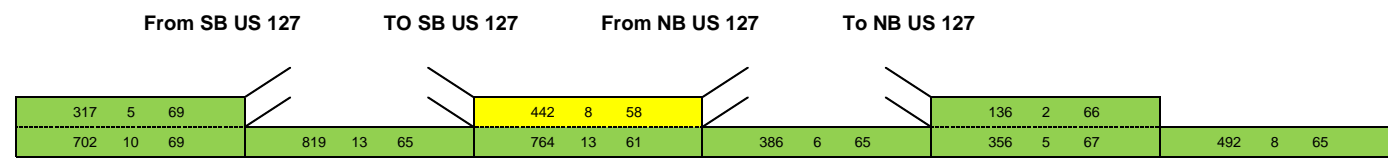
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Westbound I-69 C-D

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Legend			
Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
-----	-----	-----	45 to 60
xxxx	xx	xx	25 to 45
-----	-----	-----	0 to 25
xxxx	xx	xx	



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Westbound I-69

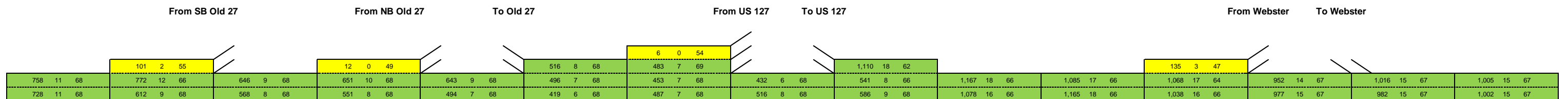
Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Legend





Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Westbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Westbound I-69

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

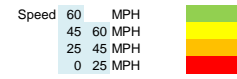
Travel Direction: Westbound



From SB Old 27			From NB Old 27			To Old 27			From US 127			To US 127			From Webster			To Webster																										
919	14	67	70	1	52	35	1	50	840	13	67	28	1	49	438	7	65	721	11	66	63	1	48	625	9	67	709	11	67	683	10	67												
844	12	68	942	14	66	851	13	68	871	13	66	831	12	68	666	10	68	953	14	68	475	7	67	432	6	67	470	7	67	706	11	66	708	11	65	625	9	67	709	11	67	683	10	67
			750	11	68	735	11	68	679	10	68	576	8	68	422	6	68	468	7	67	478	7	67	497	7	68	687	10	67	704	11	67	634	9	67	632	9	67	632	9	67	666	10	67

*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS



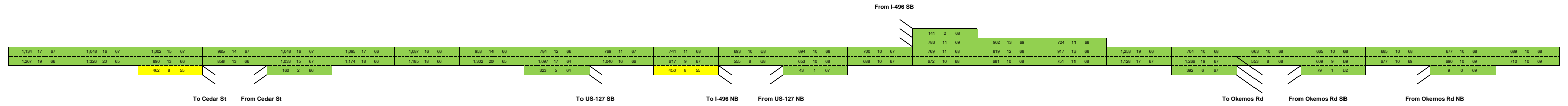
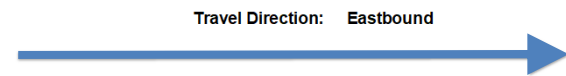
Eastbound I-96

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed





Legend

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

SHOLDS

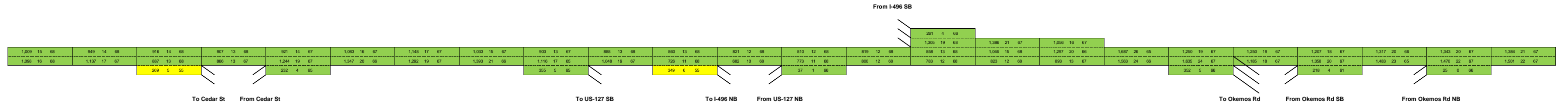
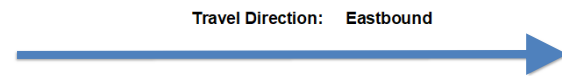
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Eastbound I-96

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

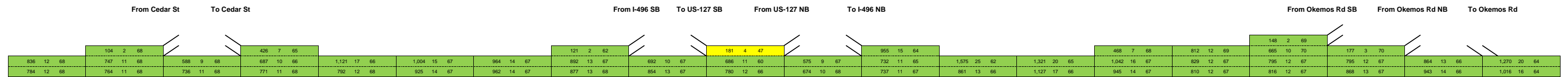
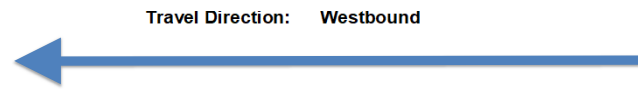
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Westbound I-96

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/in/hr)	Density (veh/in/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

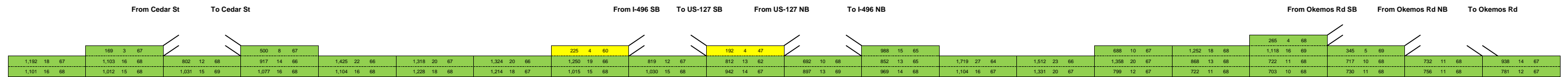
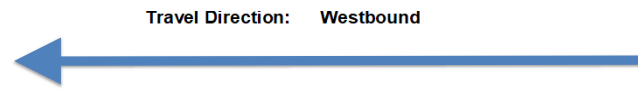
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Westbound I-96

Time: PM Peak





VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/in/hr)	Density (veh/in/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

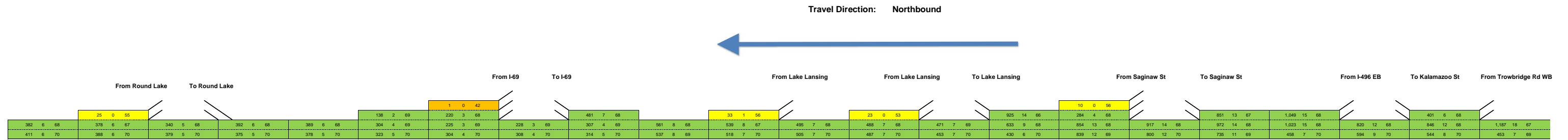
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Northbound US-127 (North of I-496)

Time: AM Peak





VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

THRESHOLDS

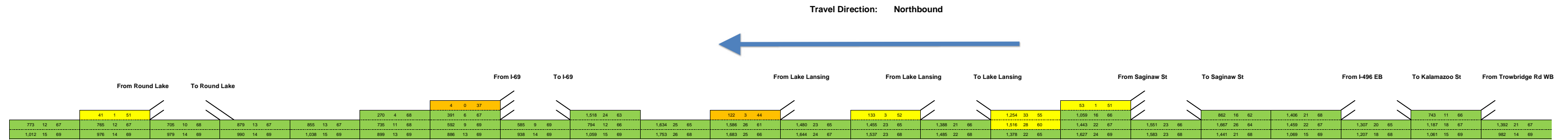
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Northbound US-127 (North of I-496)

Time: PM Peak





VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Southbound US-127 (North of I-496)

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
XXXX	XX	XX	> 60
XXXX	XX	XX	45 to 60
XXXX	XX	XX	25 to 45
XXXX	XX	XX	0 to 25

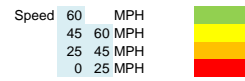
Travel Direction: Southbound



Segment	Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)
To Round Lake	719	10	69
From Round Lake	842	12	68
To I-69	772	11	69
From WB I-69	1,216	20	60
From EB I-69	1,709	27	64
To Lake Lansing	1,814	27	66
From WB Lake Lansing	1,469	26	59
From EB Lake Lansing	1,925	32	61
To Saginaw	1,547	23	67
From Saginaw	1,771	30	62
To I-496 WB	1,390	24	62
From Kalamazoo St	1,191	19	65
To Trowbridge Rd EB	1,182	18	67

*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS



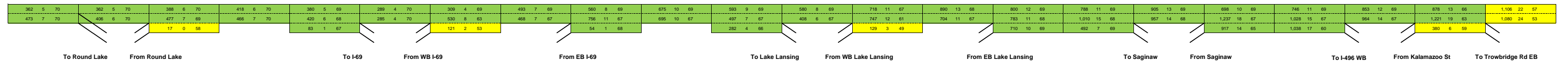
Southbound US-127 (North of I-496)

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed





Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
XXXX	XX	XX	> 60
XXXX	XX	XX	45 to 60
XXXX	XX	XX	25 to 45
XXXX	XX	XX	0 to 25

Travel Direction: Southbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Northbound US-127 (South of I-496)

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	35 to 45
xxxx	xx	xx	25 to 35
xxxx	xx	xx	0 to 25





Travel Direction: Northbound



To I-96 WB			From I-96 EB			To I-96 EB			From Holt Rd			To Holt Rd		
1,317	23	61	570	11	53	169	3	65	233	3	67	174	3	68
1,239	20	62	1,470	22	66	1,299	20	67	1,365	20	68	1,182	17	68
1,487	23	66	1,281	19	67	1,483	22	66	1,426	21	66	1,207	18	68
1,529	26	63	1,441	22	67	1,482	22	66	1,459	22	67	1,248	18	68
			1,429	21	67	1,447	22	67	1,375	20	67	1,261	19	68
			1,436	22	67	1,426	21	66	1,356	20	68	1,292	19	68

*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Northbound US-127 (South of I-496)

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25





Travel Direction: Northbound



To I-96 WB			From I-96 EB			To I-96 EB			From Holt Rd			To Holt Rd		
808	12	68	462	9	54	109	2	69	145	2	68	155	2	69
898	13	69	856	13	65	869	13	69	963	14	69	749	11	69
			993	15	68	967	14	69	708	10	69	729	11	69
			683	10	69	825	12	69	715	10	69	735	11	69
						838	12	69	864	13	69	865	12	69
						964	14	69	830	12	69	775	11	69
						948	14	69	1,041	15	69			
						864	13	69	779	11	69			
						838	12	69	713	10	69			

*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Southbound US-127 (South of I-496)

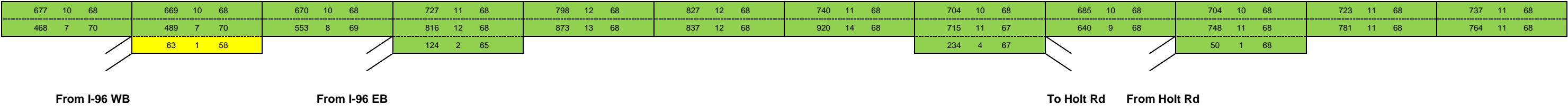
Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Legend

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Southbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

SHOLDS

Speed 60 MPH
 45 60 MPH
 25 45 MPH
 0 25 MPH



Southbound US-127 (South of I-496)

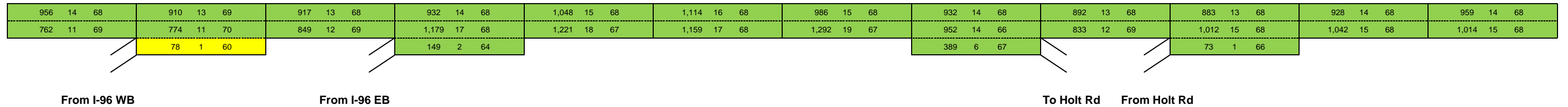
Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Legend


Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Southbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

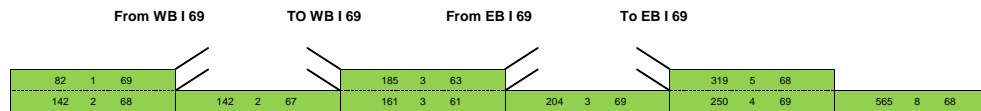
Northbound US-127 C-D

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed


Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Northbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

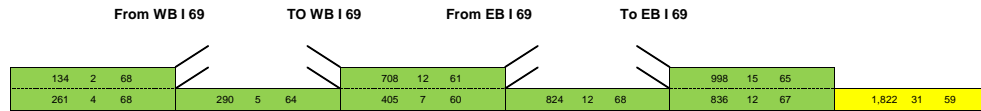
Northbound US-127 C-D

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed


Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Northbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

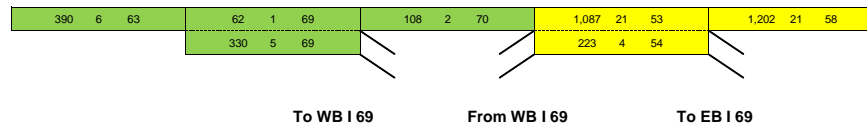
Southbound US-127 C-D

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed


Legend			
Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Southbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

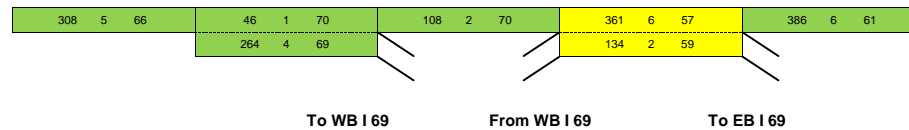
Southbound US-127 C-D

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25


Travel Direction: Southbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60	MPH
	25	45	MPH
	0	25	MPH




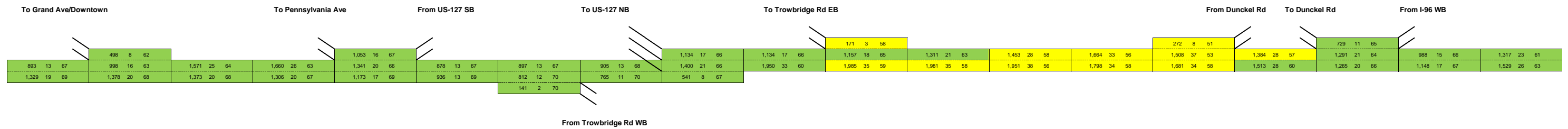
Northbound I-496

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Northbound

*Simulated output are based on an average of 10 simulation runs with different random number seeds.

Speed	60	MPH	Green
	45	60 MPH	Yellow
	25	45 MPH	Orange
	0	25 MPH	Red

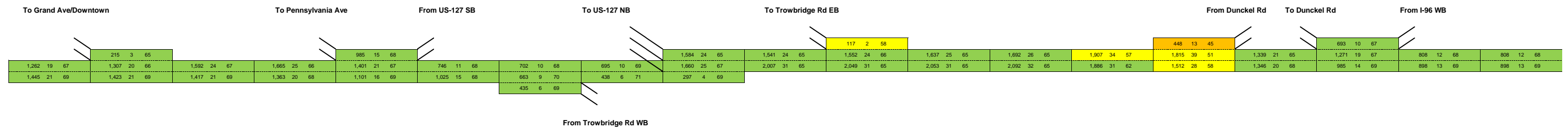
Northbound I-496

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/in/hr)	Density (veh/in/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Northbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	Green
	45	60 MPH	Yellow
	25	45 MPH	Orange
	0	25 MPH	Red

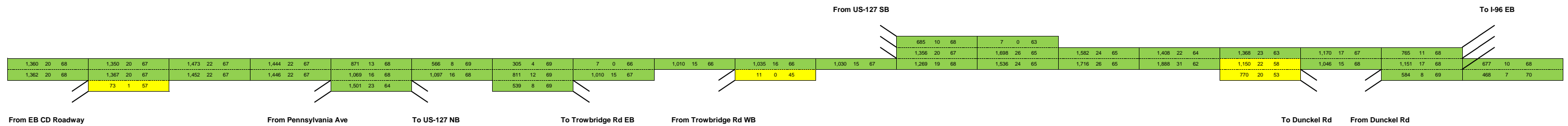
Southbound I-496

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Southbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

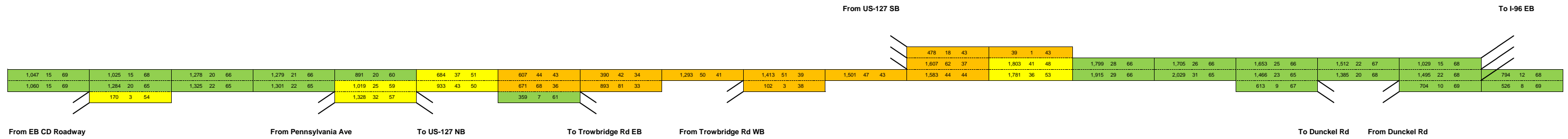
Southbound I-496

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25


Travel Direction: Southbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

Future Traffic (2045)

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

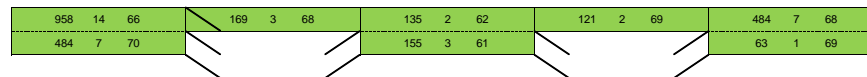
Eastbound I-69 C-D

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Legend			
Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Eastbound



To SB US 127


From SB US 127

To NB US 127

From NB US 127

*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

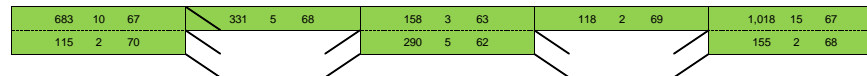
Eastbound I-69 C-D

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Legend			
Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Eastbound



To SB US 127


From SB US 127

To NB US 127

From NB US 127

*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

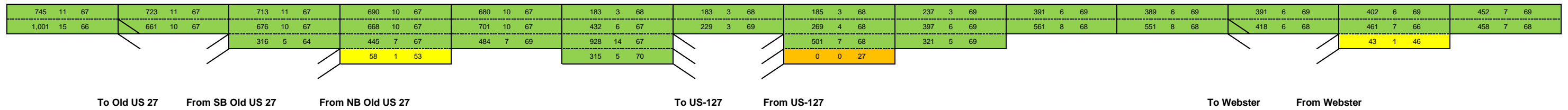
Eastbound I-69

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Eastbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

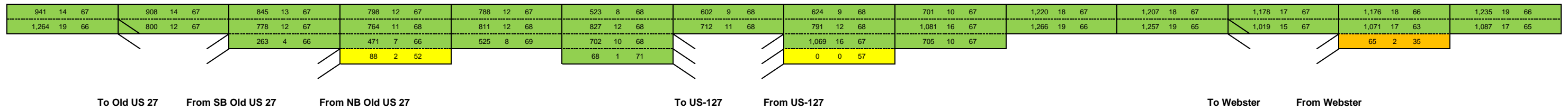
Eastbound I-69

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed


Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Eastbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

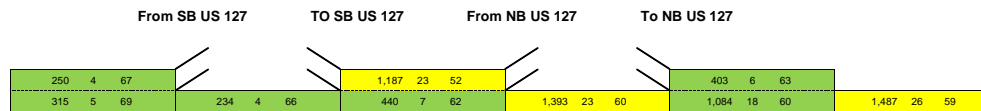
Westbound I-69 C-D

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Westbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

SHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

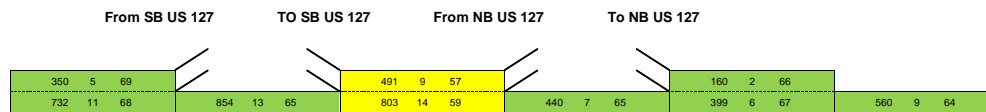
Westbound I-69 C-D

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Westbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

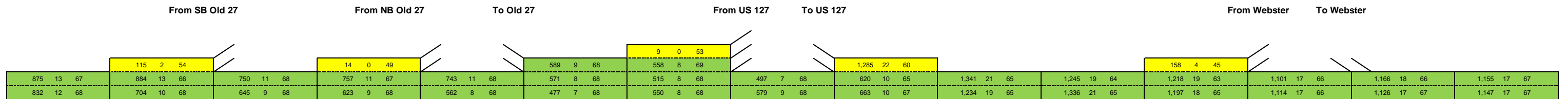
Westbound I-69

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Westbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Westbound I-69

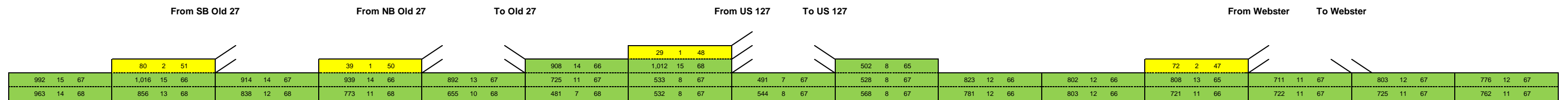
Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Legend





Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Westbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

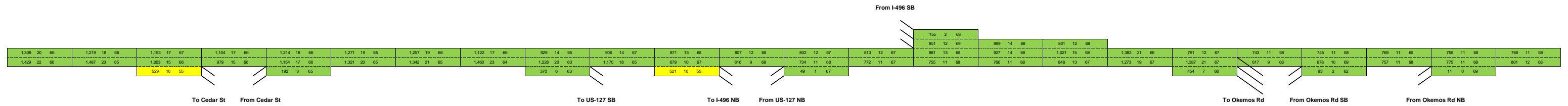
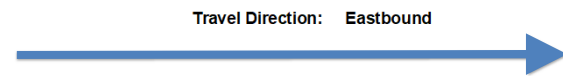
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Eastbound I-96

Time: AM Peak





VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

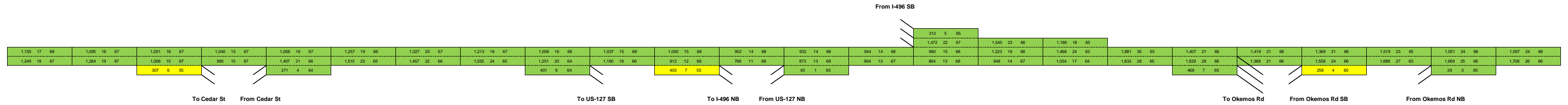
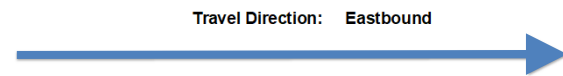
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Eastbound I-96

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

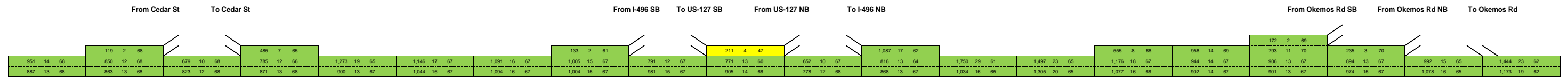
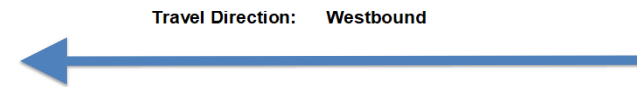
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Westbound I-96

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/in/hr)	Density (veh/in/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

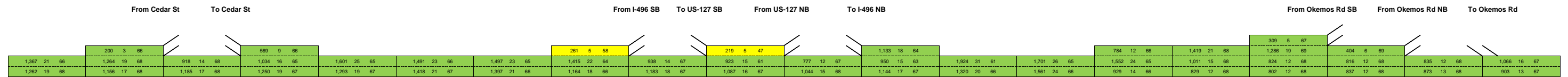
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Westbound I-96

Time: PM Peak





VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/in/hr)	Density (veh/in/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

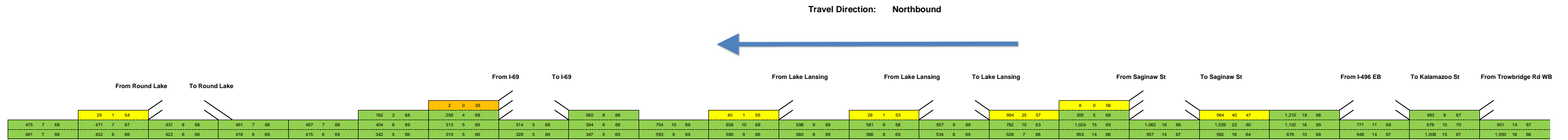
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Northbound US-127 (North of I-496)

Time: AM Peak





VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

THRESHOLDS

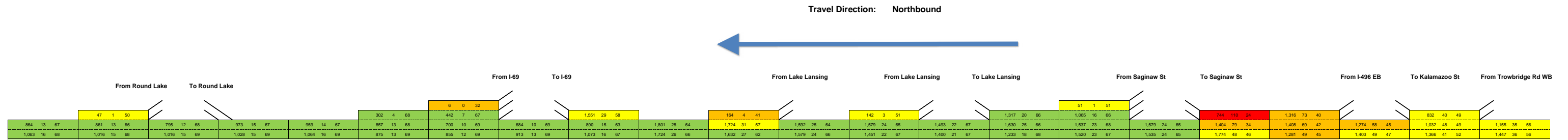
Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Northbound US-127 (North of I-496)

Time: PM Peak





VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

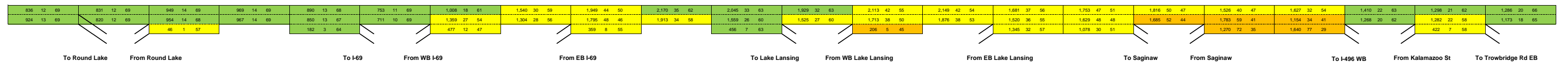
Southbound US-127 (North of I-496)

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed





Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
XXXX	XX	XX	> 60
XXXX	XX	XX	45 to 60
XXXX	XX	XX	25 to 45
XXXX	XX	XX	0 to 25

Travel Direction: Southbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Southbound US-127 (North of I-496)

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
XXXX	XX	XX	> 60
XXXX	XX	XX	45 to 60
XXXX	XX	XX	25 to 45
XXXX	XX	XX	0 to 25





Travel Direction: Southbound



Segment	Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)
To Round Lake	422	6	70
From Round Lake	457	7	70
To I-69	450	6	70
From I-69	540	8	69
To I-69	482	7	70
From I-69	527	8	69
To I-69	436	6	69
From I-69	476	7	68
To I-69	336	5	70
From I-69	327	5	69
To I-69	358	5	68
From I-69	605	10	63
To I-69	574	8	69
From I-69	529	8	66
To I-69	652	9	69
From I-69	855	13	67
To I-69	793	12	69
From I-69	778	12	67
To Lake Lansing	707	10	69
From Lake Lansing	605	8	66
To Lake Lansing	320	5	66
From Lake Lansing	688	10	69
To Lake Lansing	447	7	67
From Lake Lansing	875	13	67
To Lake Lansing	906	15	60
From Lake Lansing	177	4	49
To Lake Lansing	1,106	16	66
From Lake Lansing	853	13	66
To Lake Lansing	994	14	69
From Lake Lansing	939	14	68
To Lake Lansing	983	14	69
From Lake Lansing	1,176	17	67
To Lake Lansing	1,119	16	69
From Lake Lansing	1,118	17	67
To Lake Lansing	870	13	69
From Lake Lansing	1,410	21	67
To Lake Lansing	1,029	16	65
From Lake Lansing	1,155	18	66
To Lake Lansing	923	14	68
From Lake Lansing	1,187	24	55
To I-496 WB	1,039	15	69
From I-496 WB	1,087	16	67
To I-496 WB	1,063	17	64
From I-496 WB	1,383	23	61
To I-496 WB	437	8	57
From I-496 WB	1,267	19	67
To I-496 WB	1,277	20	65

*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Northbound US-127 (South of I-496)

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	35 to 45
xxxx	xx	xx	25 to 35
xxxx	xx	xx	0 to 25





Travel Direction: Northbound



To I-96 WB			From I-96 EB			To I-96 EB			From Holt Rd			To Holt Rd		
1,599	26	62	675	13	51	205	3	65	282	4	67	196	3	68
1,702	27	64	1,410	24	59	1,480	22	66	1,531	23	67	1,343	20	67
			1,720	27	64	1,682	26	64	1,608	24	67	1,408	21	67
						1,492	23	66	1,694	26	66	1,455	22	67
						1,668	25	66	1,718	26	66	1,562	23	67
						1,659	25	66	1,738	27	64	1,492	22	68
						1,669	26	65	1,678	26	65			

*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Northbound US-127 (South of I-496)

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Northbound



To I-96 WB			From I-96 EB			To I-96 EB			From Holt Rd			To Holt Rd																										
953	14	67	531	10	53	129	2	69	168	2	68	804	12	69	176	3	69																					
1,014	15	69	955	15	64	1,120	16	68	1,086	16	68	1,096	16	69	832	12	69	852	12	69	1,027	15	69	986	14	69												
			934	14	68	814	12	69	976	14	69	990	14	69	996	14	69	1,005	15	69	969	14	69	911	13	69	830	12	69	847	12	69	851	12	69	897	13	69

*Simulated output are based on an average of 16 simulation runs with different random number seeds.

SHOLDS

Speed 60 MPH
 45 60 MPH
 25 45 MPH
 0 25 MPH



Southbound US-127 (South of I-496)

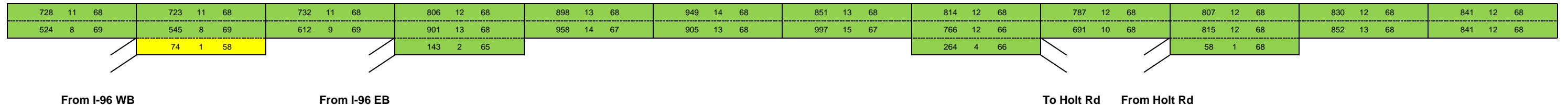
Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Legend





Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Southbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

SHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

Southbound US-127 (South of I-496)

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Southbound




1,056	16	67	1,007	15	68	1,020	15	68	1,046	15	68	1,194	18	67	1,269	19	68	1,135	17	67	1,071	16	66	1,018	15	68	1,009	15	68	1,065	16	68	1,099	16	68
892	13	68	900	13	69	982	14	69	1,339	20	67	1,374	21	67	1,306	19	68	1,447	22	66	1,068	17	64	943	14	68	1,146	17	68	1,178	17	67	1,147	17	68
			91	2	60				173	3	62										437	7	66			84	1	66							

From I-96 WB From I-96 EB To Holt Rd From Holt Rd

*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

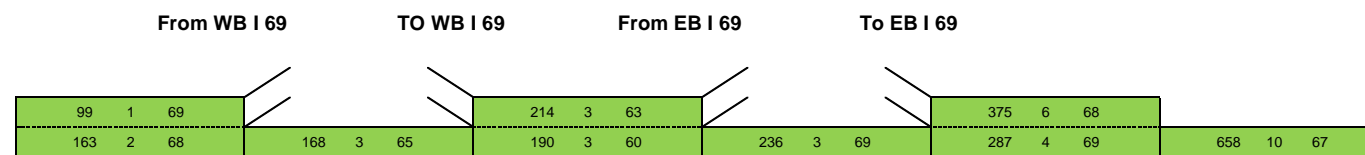
Northbound US-127 C-D

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed


Legend			
Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Northbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

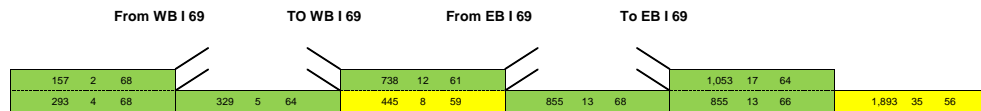
Northbound US-127 C-D

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed


Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Northbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

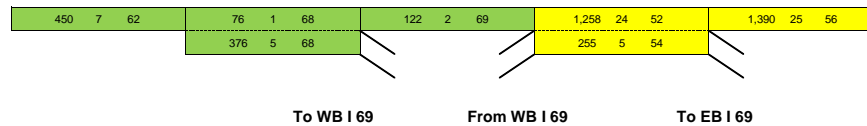
Southbound US-127 C-D

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed


Legend			
Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Southbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

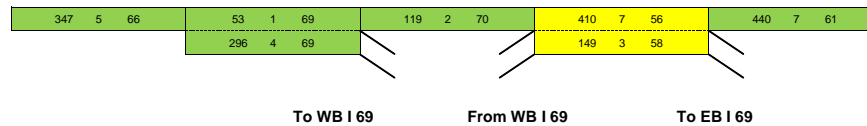
Southbound US-127 C-D

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Legend			
Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Southbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.

RESHOLDS

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

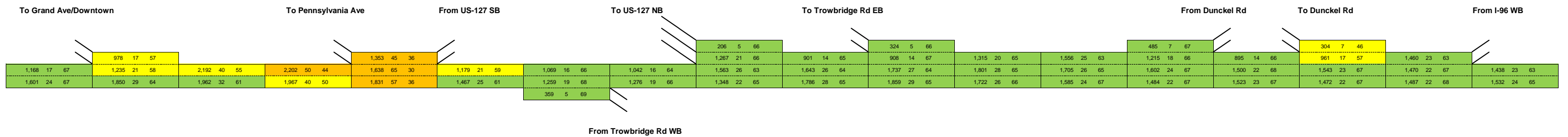
Northbound I-496

Time: AM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Northbound



*Simulated output are based on an average of 10 simulation runs with different random number seeds.

Speed	60	MPH	
	45	60 MPH	
	25	45 MPH	
	0	25 MPH	

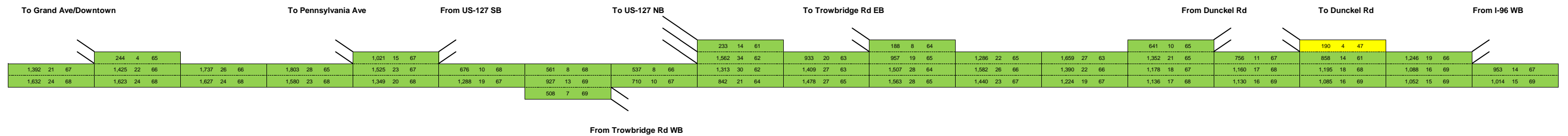
Northbound I-496

Time: PM Peak

VISSIM OUTPUT: Volume, Density and Speed

Volume (veh/ln/hr)	Density (veh/ln/mi/hr)	Speed (mph)	Speed Thresholds
xxxx	xx	xx	> 60
xxxx	xx	xx	45 to 60
xxxx	xx	xx	25 to 45
xxxx	xx	xx	0 to 25

Travel Direction: Northbound



*Simulated output are based on an average of 16 simulation runs with different random number seeds.