

**APPENDIX E:
TRAFFIC AND TRANSPORTATION**

HCS7 Freeway Facilities Report

Project Information

Analyst	up	Date	7/10/2024
Agency		Analysis Year	2024
Jurisdiction	0	Time Period Analyzed	No Build PM Peak Hour
Project Description	DASNY Wadsworth Consolidated Lab EIS	Unit	United States Customary

Facility Global Input

Jam Density, pc/mi/ln	190.0	Density at Capacity, pc/mi/ln	45.0
Queue Discharge Capacity Drop, %	7	Total Segments	11
Total Time Periods	1	Time Period Duration, min	15
Facility Length, mi	1.92		

Facility Segment Data

No.	Coded	Analyzed	Name	Length, ft	Lanes
1	Basic	Basic	NY 85 NB	1200	2
2	Diverge	Diverge	NY 85 NB off ramp to Cortland St. (201)	673	2
3	Basic	Basic	NY 85	100	2
4	Weaving	Weaving	NY 85 NB on ramp from Cortland St. and off ramp to Belvidere Ave. (201)	2109	3
5	Basic	Basic	NY 85	1751	2
6	Merge	Merge	NY 84 NB on ramp from Brevator St. (205)	335	2
7	Weaving	Weaving	NY 85 NB on ramp from Washington Ave. and off ramp to Lincoln Ave. (206)	1925	3
8	Basic	Basic	NY 85	103	2
9	Merge	Merge	NY 85 NB on ramp from Lincoln Ave. (209)	502	2
10	Diverge	Diverge	To I-90 EB and WB ramps. (210)	502	2
11	Basic	Basic	From NY 85 ramp to WB I-90	938	2

Facility Segment Data

Segment 1: Basic

Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.96		0.980		1739		4500		0.39		55.0		15.8		B

Segment 2: Diverge

Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.96	0.96	1.000	1.000	1704	88	4500	2000	0.38	0.04	49.3	49.3	17.3	16.6	B

Segment 3: Basic

Time	PHF		fHV		Flow Rate		Capacity		d/c		Speed		Density		LOS
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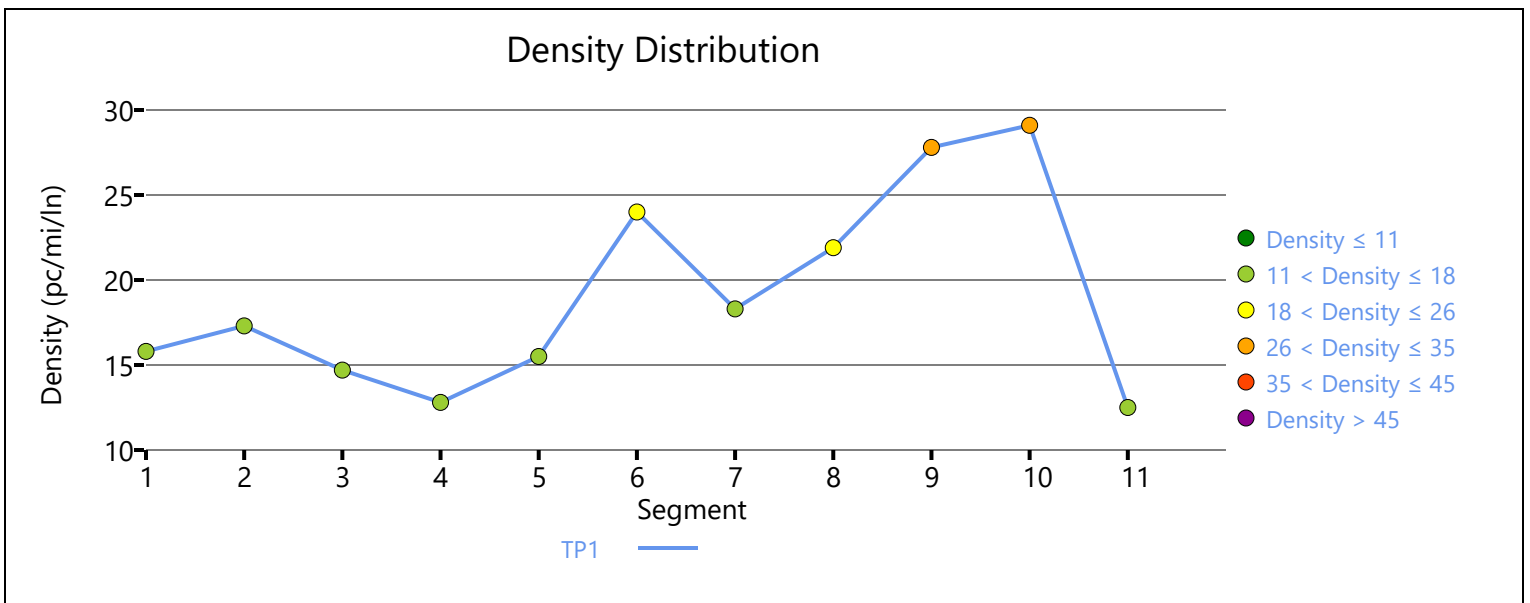
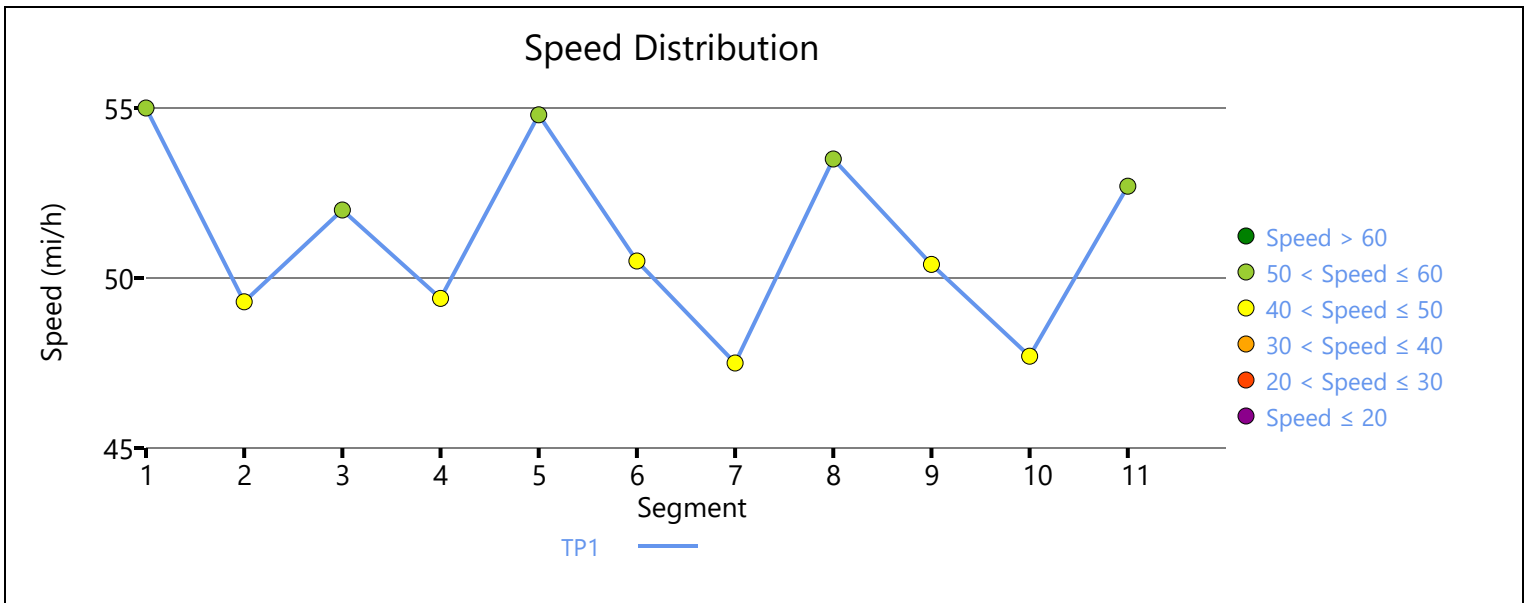
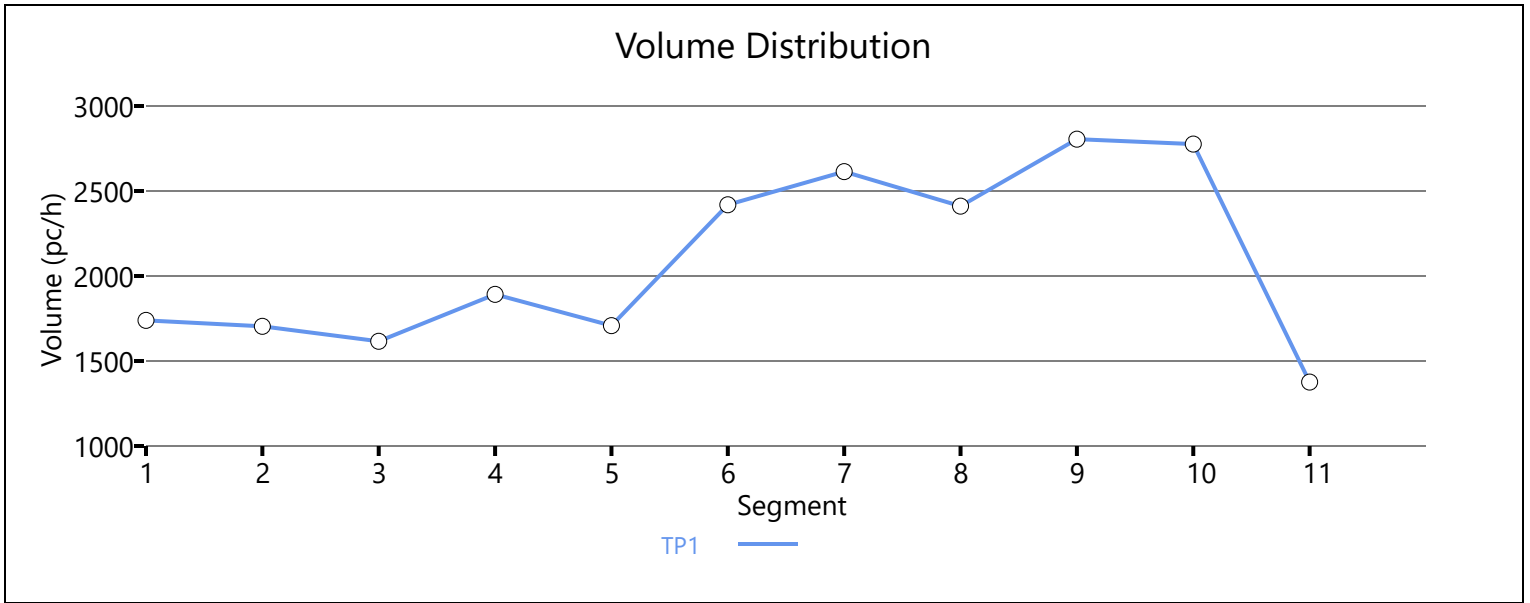
Period			(pc/h)		(pc/h)		Ratio	(mi/h)		(pc/mi/ln)					
1	0.98	0.980	1616		4500		0.36	52.0		14.7		B			
Segment 4: Weaving															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)	LOS		
1	0.95		0.980		1892		6030		0.31	49.4		12.8	B		
Segment 5: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)	LOS		
1	0.98		0.980		1708		4500		0.38	54.8		15.5	B		
Segment 6: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.98	0.61	0.980	1.000	2419	711	4500	2000	0.54	0.36	50.5	50.5	24.0	22.2	C
Segment 7: Weaving															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)	LOS		
1	0.87		0.980		2614		5949		0.44	47.5		18.3	B		
Segment 8: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)	LOS		
1	0.84		0.980		2411		4500		0.54	53.5		21.9	C		
Segment 9: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.84	0.77	0.980	0.990	2805	394	4500	2000	0.62	0.20	50.4	50.4	27.8	24.1	C
Segment 10: Diverge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.84	0.80	0.980	0.980	2776	1469	4500	4000	0.62	0.37	47.7	47.7	29.1	19.1	B
Segment 11: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)	LOS		
1	0.84		0.980		1376		4500		0.31	52.7		12.5	B		
Facility Time Period Results															
T	Speed, mi/h		Density, pc/mi/ln		Density, veh/mi/ln		Travel Time, min		LOS						
1	50.4		16.7		15.7		2.30		B						
Facility Overall Results															
Space Mean Speed, mi/h			50.4			Density, veh/mi/ln			15.7						

Average Travel Time, min	2.30	Density, pc/mi/ln	16.7
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Messages

Comments

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HCS7 Freeway Facilities Report

Project Information

Analyst	up	Date	7/10/2024
Agency	Simco	Analysis Year	2024
Jurisdiction	Albany	Time Period Analyzed	Build PM Peak Hour
Project Description	DASNY Wadsworth Consolidated Lab EIS	Unit	United States Customary

Facility Global Input

Jam Density, pc/mi/ln	190.0	Density at Capacity, pc/mi/ln	45.0
Queue Discharge Capacity Drop, %	7	Total Segments	11
Total Time Periods	1	Time Period Duration, min	15
Facility Length, mi	1.92		

Facility Segment Data

No.	Coded	Analyzed	Name	Length, ft	Lanes
1	Basic	Basic	NY 85 NB	1200	2
2	Diverge	Diverge	NY 85 NB off ramp to Cortland St. (201)	673	2
3	Basic	Basic	NY 85	100	2
4	Weaving	Weaving	NY 85 NB on ramp from Cortland St. and off ramp to Belvidere Ave. (201)	2109	3
5	Basic	Basic	NY 85	1751	2
6	Merge	Merge	NY 84 NB on ramp from Brevator St. (205)	335	2
7	Weaving	Weaving	NY 85 NB on ramp from Washington Ave. and off ramp to Lincoln Ave. (206)	1925	3
8	Basic	Basic	NY 85	103	2
9	Merge	Merge	NY 85 NB on ramp from Lincoln Ave. (209)	502	2
10	Diverge	Diverge	To I-90 EB and WB ramps. (210)	502	2
11	Basic	Basic	From NY 85 ramp to WB I-90	938	2

Facility Segment Data

Segment 1: Basic

Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.96		0.980		1739		4500		0.39		55.0		15.8		B

Segment 2: Diverge

Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.96	0.96	1.000	1.000	1704	88	4500	2000	0.38	0.04	49.3	49.3	17.3	16.6	B

Segment 3: Basic

Time	PHF		fHV		Flow Rate		Capacity		d/c		Speed		Density		LOS
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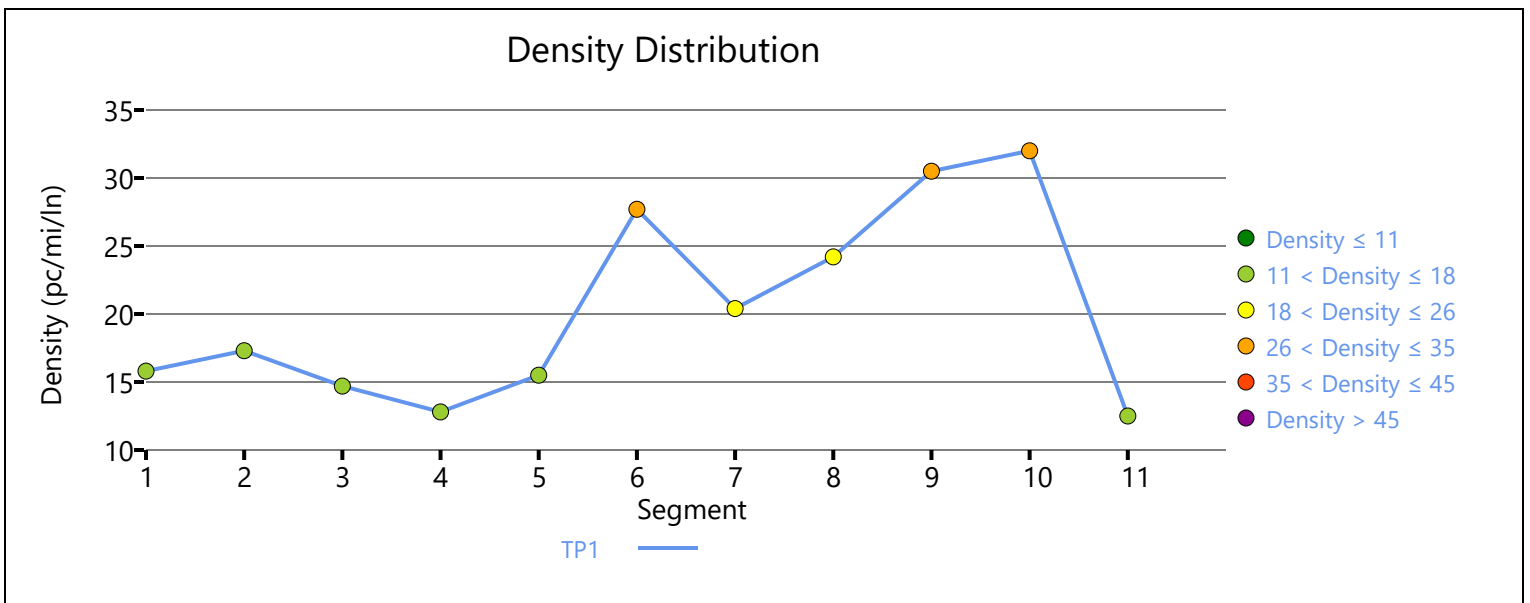
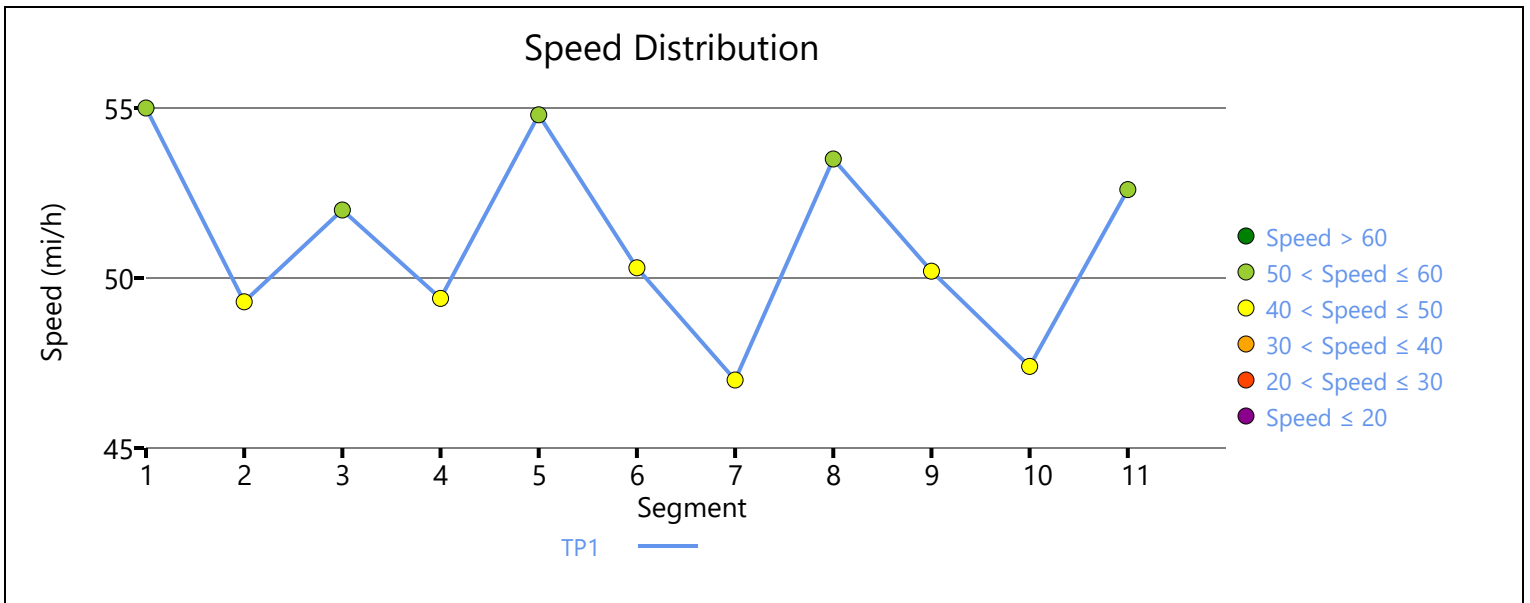
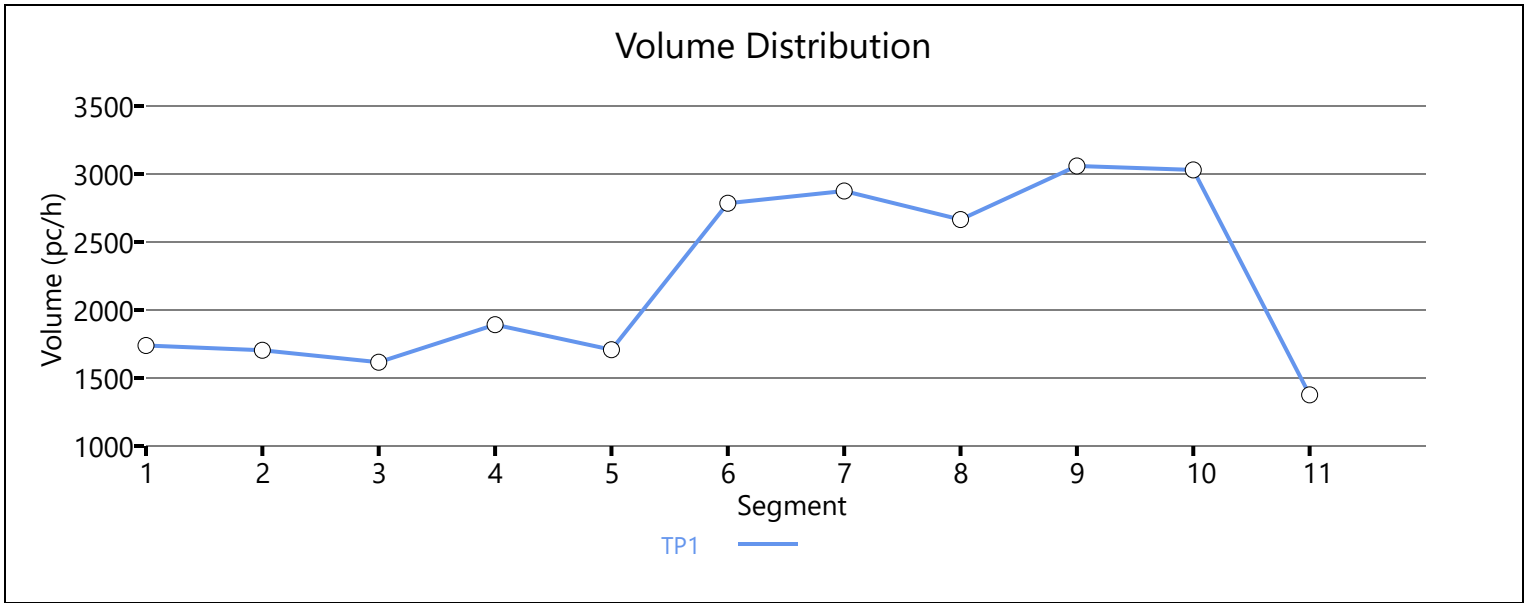
Period			(pc/h)		(pc/h)		Ratio	(mi/h)		(pc/mi/ln)					
1	0.98	0.980	1616		4500		0.36	52.0		14.7		B			
Segment 4: Weaving															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)	LOS		
1	0.95	0.980	1892		6030		0.31	49.4		12.8		B			
Segment 5: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)	LOS		
1	0.98	0.980	1708		4500		0.38	54.8		15.5		B			
Segment 6: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)		LOS	
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.98	0.61	0.980	1.000	2785	1077	4500	2000	0.62	0.54	50.3	50.3	27.7	24.9	C
Segment 7: Weaving															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)	LOS		
1	0.87	0.980	2875		5967		0.48	47.0		20.4		C			
Segment 8: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)	LOS		
1	0.84	0.980	2665		4500		0.59	53.5		24.2		C			
Segment 9: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)		LOS	
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.84	0.77	0.980	0.990	3059	394	4500	2000	0.68	0.20	50.2	50.2	30.5	26.1	C
Segment 10: Diverge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)		LOS	
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.84	0.80	0.980	0.980	3030	1736	4500	4000	0.67	0.43	47.4	47.4	32.0	21.3	C
Segment 11: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio	Speed (mi/h)		Density (pc/mi/ln)		LOS	
1	0.84	0.980	1376		4500		0.31	52.6		12.5		B			
Facility Time Period Results															
T	Speed, mi/h		Density, pc/mi/ln		Density, veh/mi/ln		Travel Time, min		LOS						
1	50.1		17.6		16.5		2.30		B						
Facility Overall Results															
Space Mean Speed, mi/h			50.1			Density, veh/mi/ln			16.5						

Average Travel Time, min	2.30	Density, pc/mi/ln	17.6
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Messages

Comments

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HCS7 Freeway Facilities Report

Project Information

Analyst	UP	Date	7/11/2024
Agency	Simco	Analysis Year	2024
Jurisdiction	NY 85 SB	Time Period Analyzed	Existing AM peak hour
Project Description	DASNY Wadsworth Consolidated Labs EIS	Unit	United States Customary

Facility Global Input

Jam Density, pc/mi/ln	190.0	Density at Capacity, pc/mi/ln	45.0
Queue Discharge Capacity Drop, %	7	Total Segments	10
Total Time Periods	1	Time Period Duration, min	15
Facility Length, mi	1.89		

Facility Segment Data

No.	Coded	Analyzed	Name	Length, ft	Lanes
1	Basic	Basic	NY 85 SB on ramp from I-90 WB	402	2
2	Weaving	Weaving	NY 85 SB on ramp from I-90 EB and off ramp to Campus Outer Rd.	1722	3
3	Basic	Basic	NY 85 SB	353	2
4	Weaving	Weaving	NY 85 SB on ramp from Washington Ave. and off ramp to Campus Inner Rd.	1722	3
5	Basic	Basic	NY 85 SB	1659	2
6	Merge	Merge	NY 85 SB on ramp Campus Inner Rd.	297	2
7	Weaving	Weaving	NY 85 SB on ramp from Campus Inner Rd. and off ramp to Daytona Ave.	2008	3
8	Basic	Basic	NY 85 SB	492	2
9	Merge	Merge	NY 85 SB on ramp Daytona Ave.	568	2
10	Basic	Basic	NY 85 SB	748	2

Facility Segment Data

Segment 1: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.89	0.962	1369	4500	0.30	55.0	12.4	B

Segment 2: Weaving

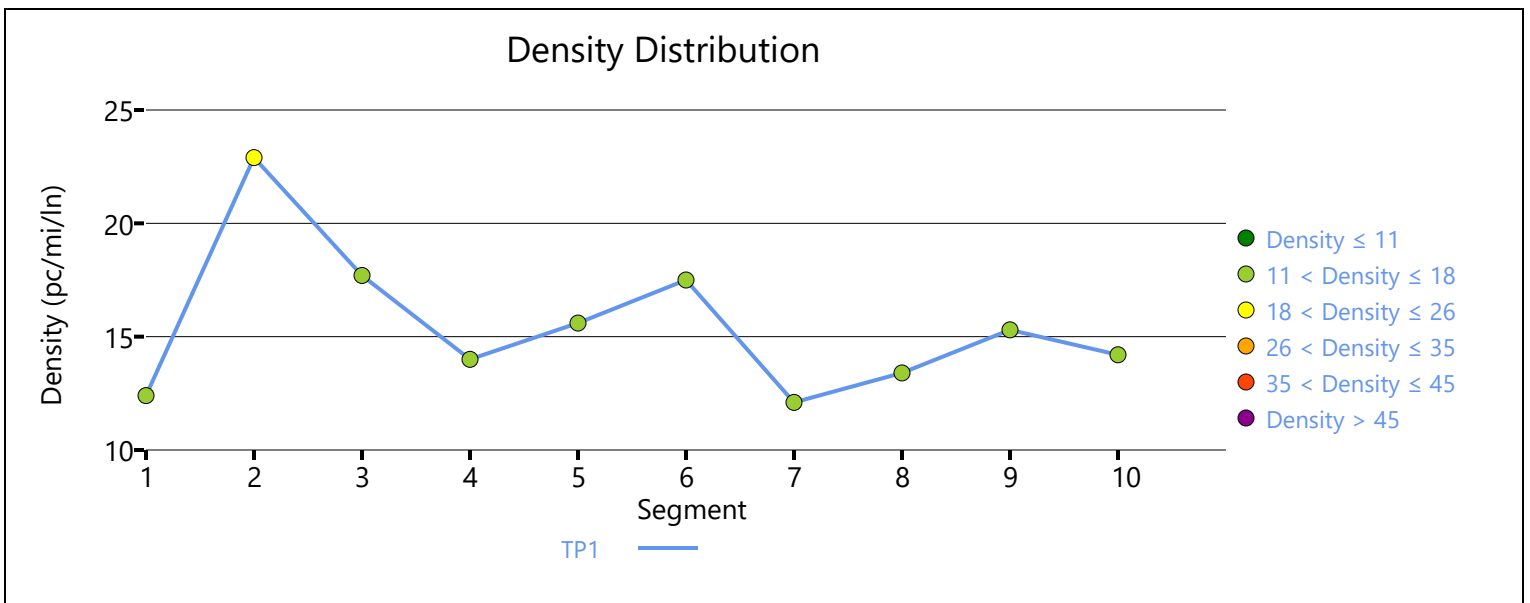
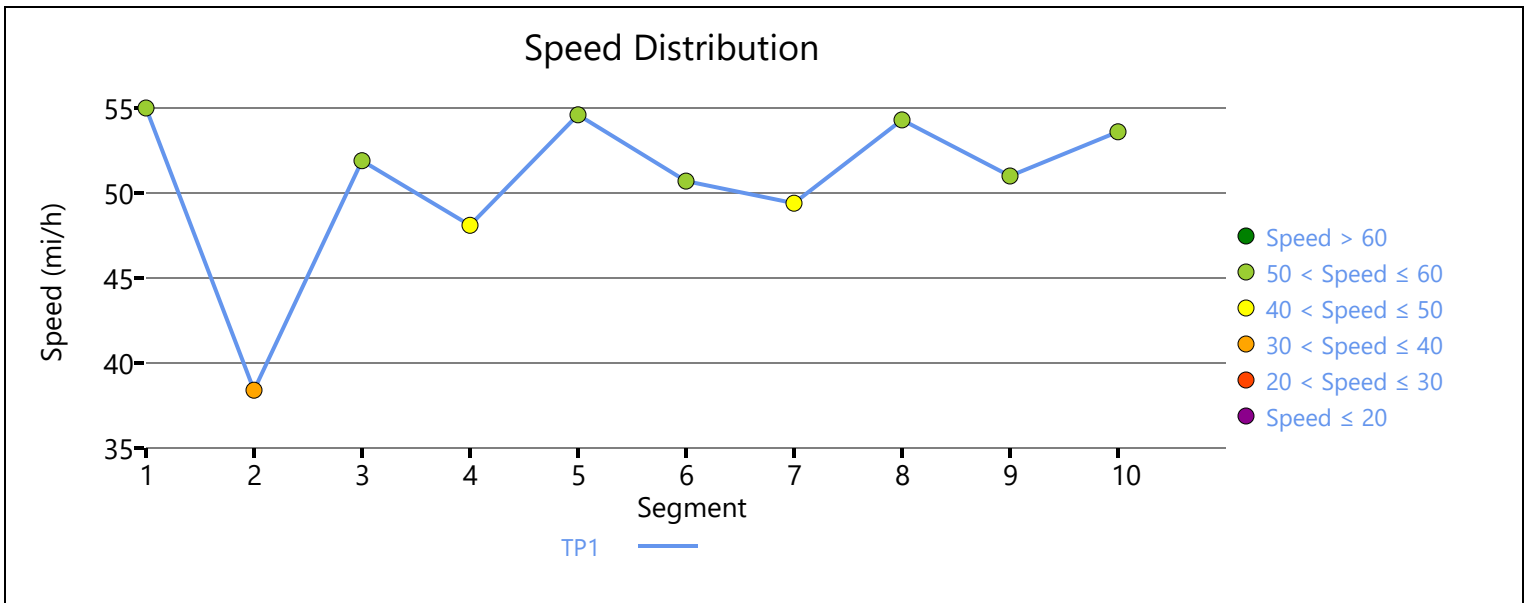
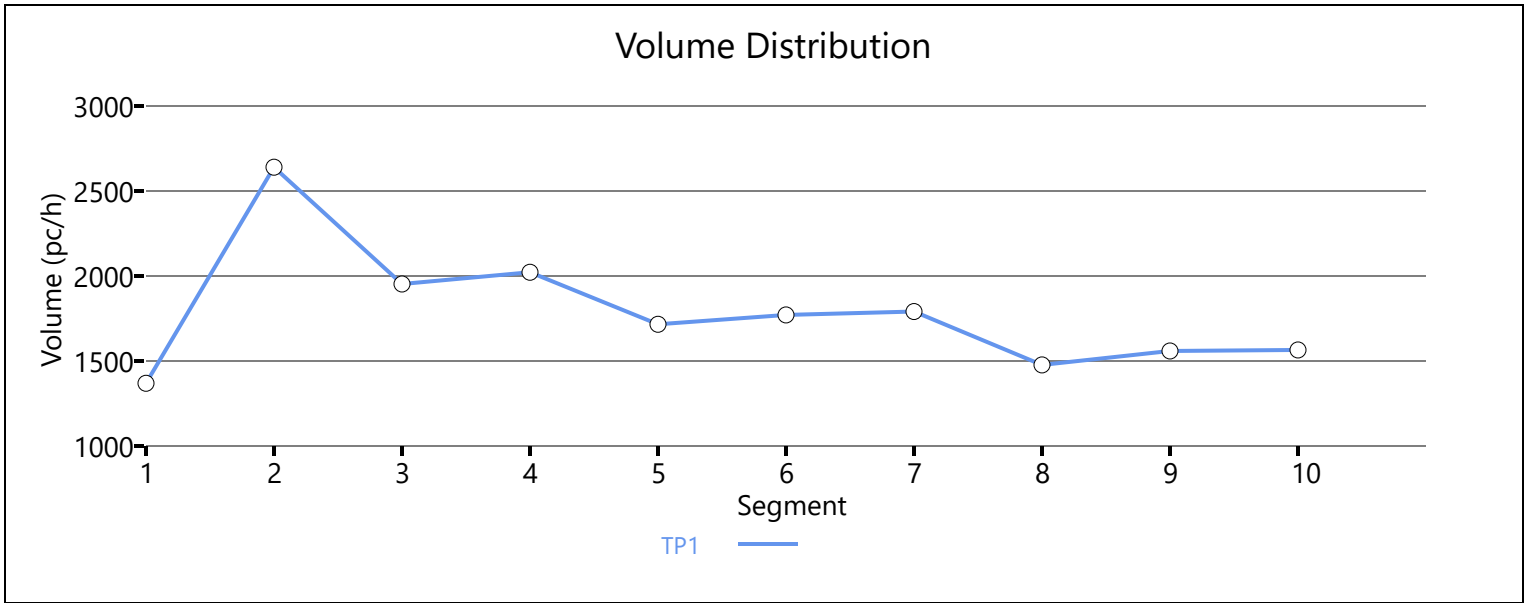
Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.93	0.962	2640	2941	0.90	38.4	22.9	C

Segment 3: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.93	0.962	1953	4500	0.43	51.9	17.7	B

Segment 4: Weaving

Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.94		0.962		2022		5781		0.35		48.1		14.0		B
Segment 5: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.90		0.962		1716		4500		0.38		54.6		15.6		B
Segment 6: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.90	0.94	0.962	0.926	1771	55	4500	2000	0.39	0.03	50.7	50.7	17.5	18.4	B
Segment 7: Weaving															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.90		0.962		1791		5856		0.31		49.4		12.1		B
Segment 8: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.89		0.962		1477		4500		0.33		54.3		13.4		B
Segment 9: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.89	0.94	0.962	0.971	1559	82	4500	2000	0.35	0.04	51.0	51.0	15.3	14.5	B
Segment 10: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.89		0.962		1565		4500		0.35		53.6		14.2		B
Facility Time Period Results															
T	Speed, mi/h				Density, pc/mi/ln				Density, veh/mi/ln				Travel Time, min		LOS
1	47.3				15.8				14.4				2.40		B
Facility Overall Results															
Space Mean Speed, mi/h					47.3				Density, veh/mi/ln				14.4		
Average Travel Time, min					2.40				Density, pc/mi/ln				15.8		
Messages															
Comments															



HCS7 Freeway Facilities Report

Project Information

Analyst	UP	Date	7/11/2024
Agency	Simco	Analysis Year	2024
Jurisdiction	NY 85 SB	Time Period Analyzed	No Build AM peak hour
Project Description	DASNY Wadsworth Consolidated Labs EIS	Unit	United States Customary

Facility Global Input

Jam Density, pc/mi/ln	190.0	Density at Capacity, pc/mi/ln	45.0
Queue Discharge Capacity Drop, %	7	Total Segments	10
Total Time Periods	1	Time Period Duration, min	15
Facility Length, mi	1.89		

Facility Segment Data

No.	Coded	Analyzed	Name	Length, ft	Lanes
1	Basic	Basic	NY 85 SB on ramp from I-90 WB	402	2
2	Weaving	Weaving	NY 85 SB on ramp from I-90 EB and off ramp to Campus Outer Rd.	1722	3
3	Basic	Basic	NY 85 SB	353	2
4	Weaving	Weaving	NY 85 SB on ramp from Washington Ave. and off ramp to Campus Inner Rd.	1722	3
5	Basic	Basic	NY 85 SB	1659	2
6	Merge	Merge	NY 85 SB on ramp Campus Inner Rd.	297	2
7	Weaving	Weaving	NY 85 SB on ramp from Campus Inner Rd. and off ramp to Daytona Ave.	2008	3
8	Basic	Basic	NY 85 SB	492	2
9	Merge	Merge	NY 85 SB on ramp Daytona Ave.	568	2
10	Basic	Basic	NY 85 SB	748	2

Facility Segment Data

Segment 1: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.89	0.962	1410	4500	0.31	55.0	12.8	B

Segment 2: Weaving

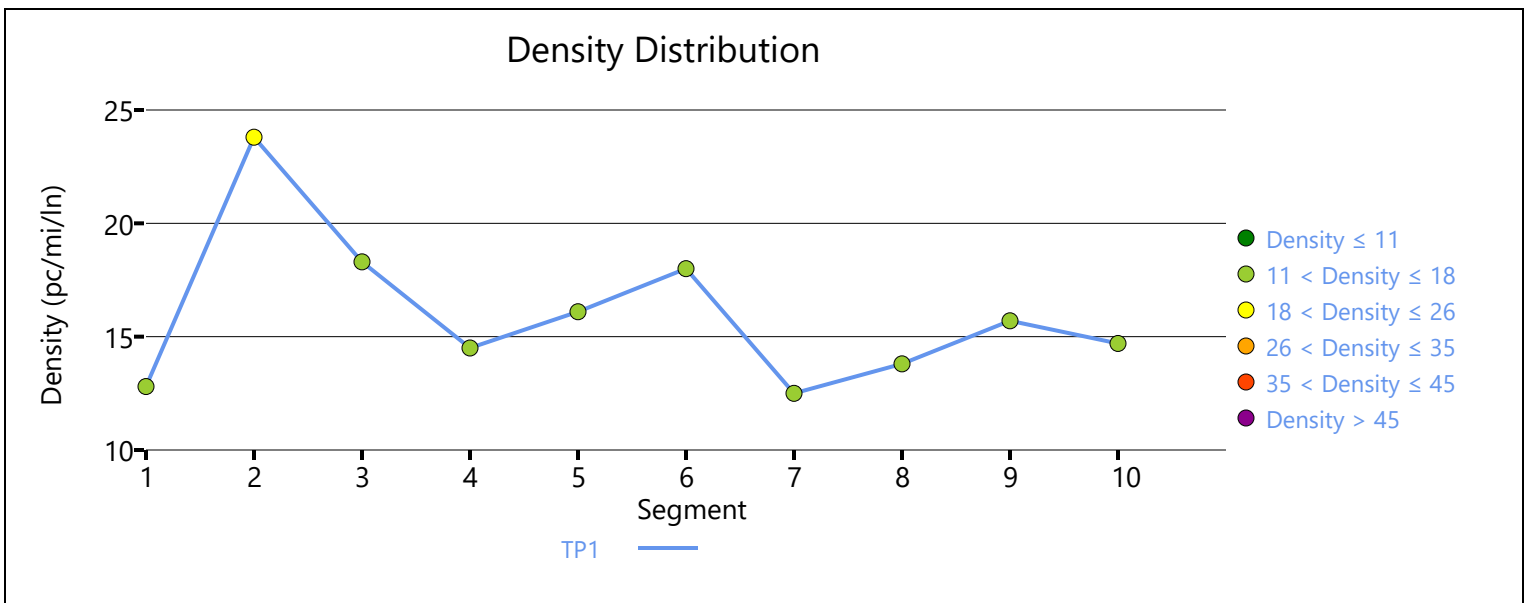
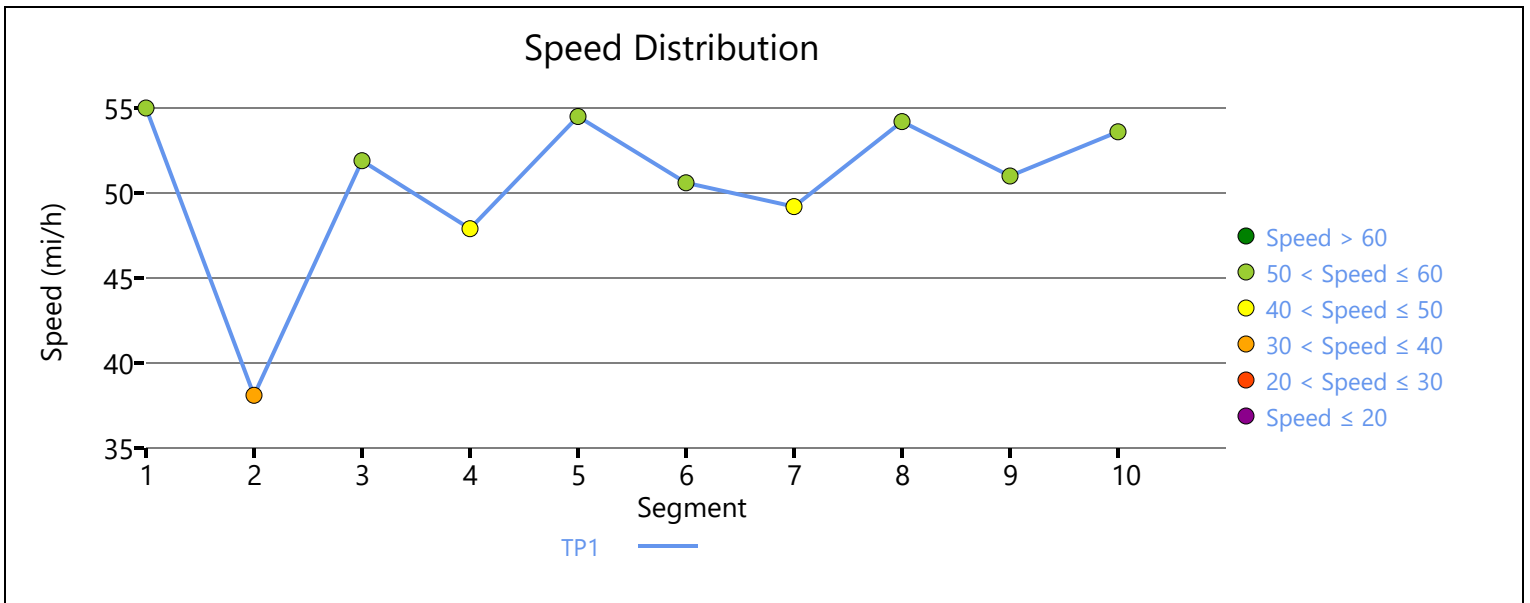
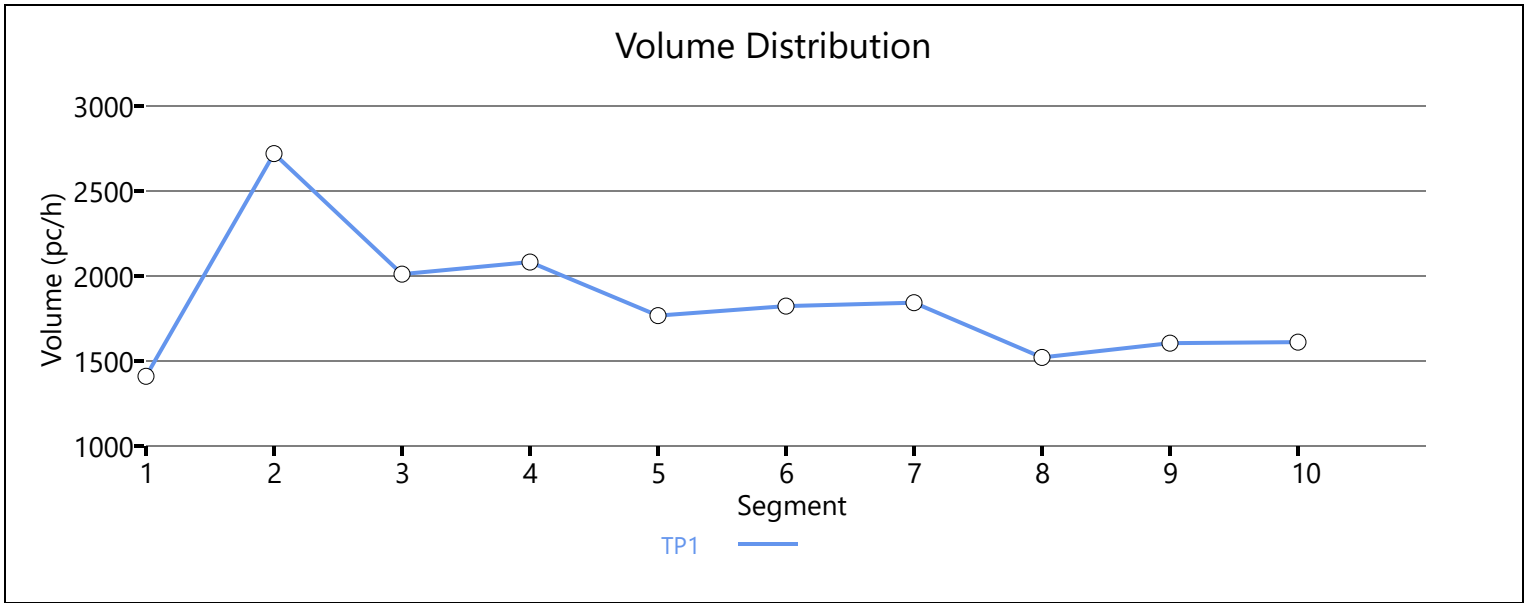
Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.93	0.962	2720	2945	0.92	38.1	23.8	C

Segment 3: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.93	0.962	2011	4500	0.45	51.9	18.3	C

Segment 4: Weaving

Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.94		0.962		2082		5781		0.36		47.9		14.5		B
Segment 5: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.90		0.962		1767		4500		0.39		54.5		16.1		B
Segment 6: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.90	0.94	0.962	0.926	1823	56	4500	2000	0.41	0.03	50.6	50.6	18.0	18.8	B
Segment 7: Weaving															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.90		0.962		1843		5856		0.31		49.2		12.5		B
Segment 8: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.89		0.962		1521		4500		0.34		54.2		13.8		B
Segment 9: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.89	0.94	0.962	0.971	1605	84	4500	2000	0.36	0.04	51.0	51.0	15.7	14.9	B
Segment 10: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.89		0.962		1611		4500		0.36		53.6		14.7		B
Facility Time Period Results															
T	Speed, mi/h				Density, pc/mi/ln				Density, veh/mi/ln				Travel Time, min		LOS
1	47.1				16.3				14.9				2.40		B
Facility Overall Results															
Space Mean Speed, mi/h					47.1				Density, veh/mi/ln				14.9		
Average Travel Time, min					2.40				Density, pc/mi/ln				16.3		
Messages															
Comments															



HCS7 Freeway Facilities Report

Project Information

Analyst	UP	Date	7/11/2024
Agency	Simco	Analysis Year	2024
Jurisdiction		Time Period Analyzed	Build AM Peak Hour
Project Description	DASNY Wadsworth Consolidated Labs EIS	Unit	United States Customary

Facility Global Input

Jam Density, pc/mi/ln	190.0	Density at Capacity, pc/mi/ln	45.0
Queue Discharge Capacity Drop, %	7	Total Segments	10
Total Time Periods	1	Time Period Duration, min	15
Facility Length, mi	1.89		

Facility Segment Data

No.	Coded	Analyzed	Name	Length, ft	Lanes
1	Basic	Basic	NY 85 SB on ramp from I-90 WB	402	2
2	Weaving	Weaving	NY 85 SB on ramp from I-90 EB and off ramp to Campus Outer Rd.	1722	3
3	Basic	Basic	NY 85 SB	353	2
4	Weaving	Weaving	NY 85 SB on ramp from Washington Ave. and off ramp to Campus Inner Rd.	1722	3
5	Basic	Basic	NY 85 SB	1659	2
6	Merge	Merge	NY 85 SB on ramp Campus Inner Rd.	297	2
7	Weaving	Weaving	NY 85 SB on ramp from Campus Inner Rd. and off ramp to Daytona Ave.	2008	3
8	Basic	Basic	NY 85 SB	492	2
9	Merge	Merge	NY 85 SB on ramp Daytona Ave.	568	2
10	Basic	Basic	NY 85 SB	748	2

Facility Segment Data

Segment 1: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.89	0.962	1654	4500	0.37	55.0	15.0	B

Segment 2: Weaving

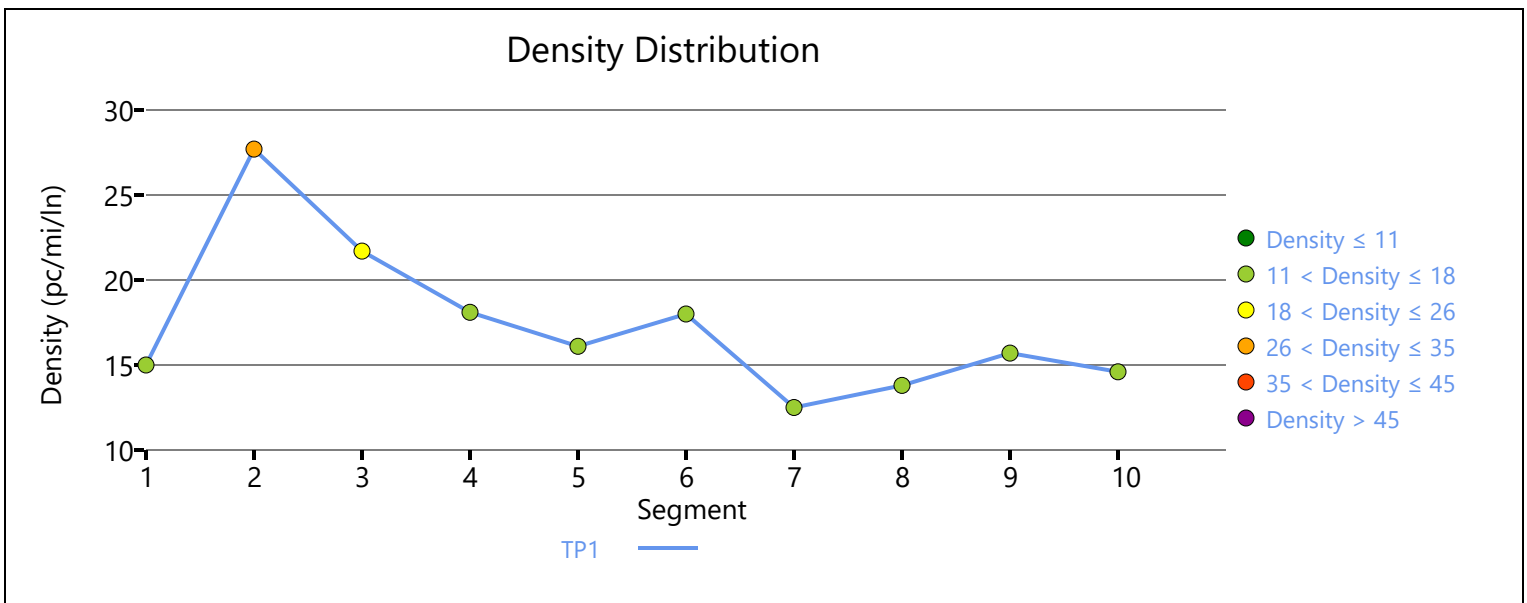
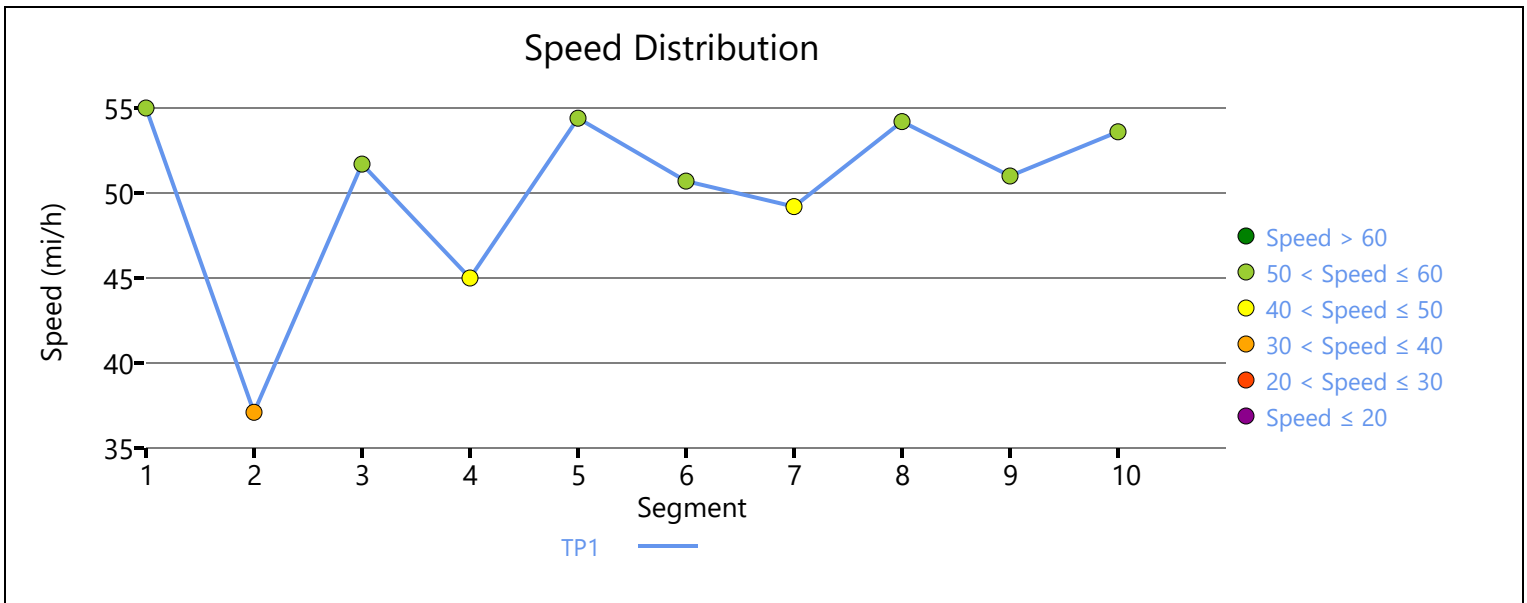
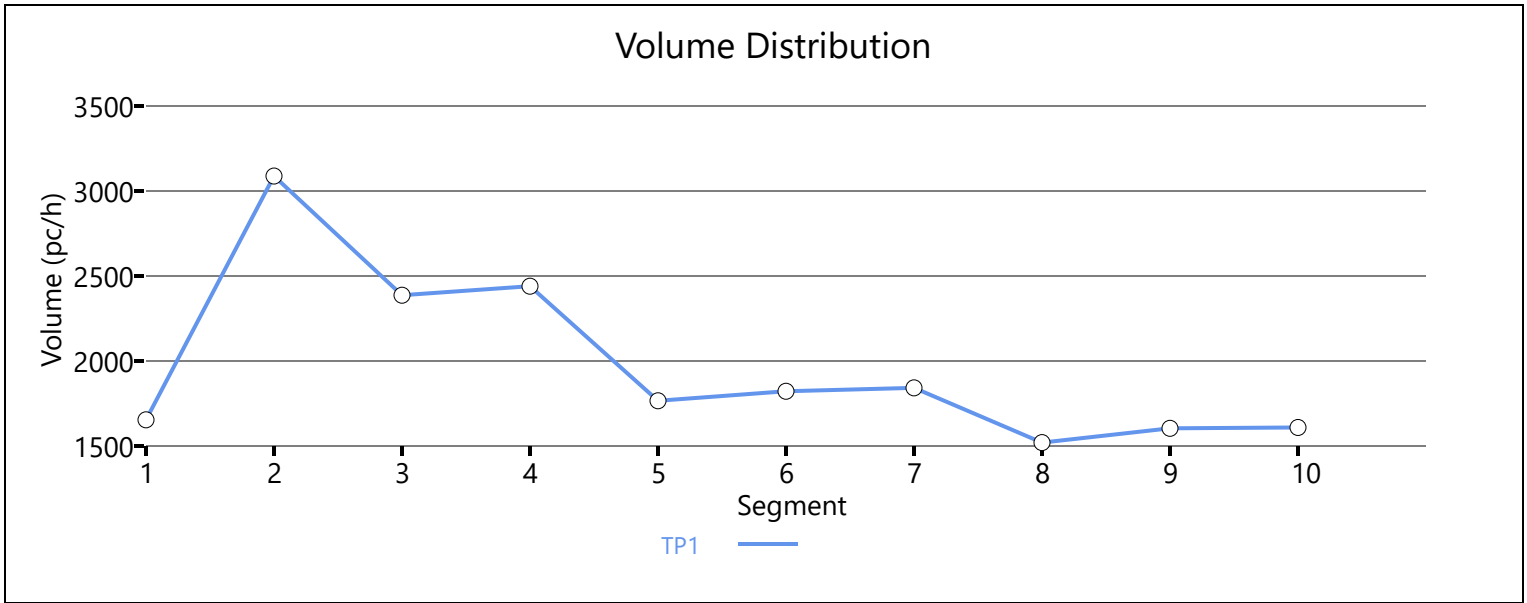
Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.93	0.962	3088	3150	0.98	37.1	27.7	C

Segment 3: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.93	0.962	2387	4500	0.53	51.7	21.7	C

Segment 4: Weaving

Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.94		0.962		2440		5502		0.44		45.0		18.1		B
Segment 5: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.90		0.962		1766		4500		0.39		54.4		16.1		B
Segment 6: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.90	0.94	0.962	0.926	1822	56	4500	2000	0.40	0.03	50.7	50.7	18.0	18.8	B
Segment 7: Weaving															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.90		0.962		1842		5856		0.31		49.2		12.5		B
Segment 8: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.89		0.962		1520		4500		0.34		54.2		13.8		B
Segment 9: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.89	0.94	0.962	0.971	1604	84	4500	2000	0.36	0.04	51.0	51.0	15.7	14.9	B
Segment 10: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.89		0.962		1609		4500		0.36		53.6		14.6		B
Facility Time Period Results															
T	Speed, mi/h				Density, pc/mi/ln				Density, veh/mi/ln				Travel Time, min		LOS
1	45.8				18.0				16.4				2.50		B
Facility Overall Results															
Space Mean Speed, mi/h					45.8				Density, veh/mi/ln				16.4		
Average Travel Time, min					2.50				Density, pc/mi/ln				18.0		
Messages															
Comments															



HCS7 Freeway Facilities Report

Project Information

Analyst	UP	Date	7/11/2024
Agency	Simco	Analysis Year	2024
Jurisdiction		Time Period Analyzed	Existing PM peak hour
Project Description	DASNY Wadsworth Consolidated Labs EIS	Unit	United States Customary

Facility Global Input

Jam Density, pc/mi/ln	190.0	Density at Capacity, pc/mi/ln	45.0
Queue Discharge Capacity Drop, %	7	Total Segments	10
Total Time Periods	1	Time Period Duration, min	15
Facility Length, mi	1.89		

Facility Segment Data

No.	Coded	Analyzed	Name	Length, ft	Lanes
1	Basic	Basic	NY 85 SB on ramp from I-90 WB	402	2
2	Weaving	Weaving	NY 85 SB on ramp from I-90 EB and off ramp to Campus Outer Rd.	1722	3
3	Basic	Basic	NY 85 SB	353	2
4	Weaving	Weaving	NY 85 SB on ramp from Washington Ave. and off ramp to Campus Inner Rd.	1722	3
5	Basic	Basic	NY 85 SB	1659	2
6	Merge	Merge	NY 85 SB on ramp Campus Inner Rd.	297	2
7	Weaving	Weaving	NY 85 SB on ramp from Campus Inner Rd. and off ramp to Daytona Ave.	2008	3
8	Basic	Basic	NY 85 SB	492	2
9	Merge	Merge	NY 85 SB on ramp Daytona Ave.	568	2
10	Basic	Basic	NY 85 SB	748	2

Facility Segment Data

Segment 1: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.95	0.990	1089	4500	0.24	55.0	9.9	A

Segment 2: Weaving

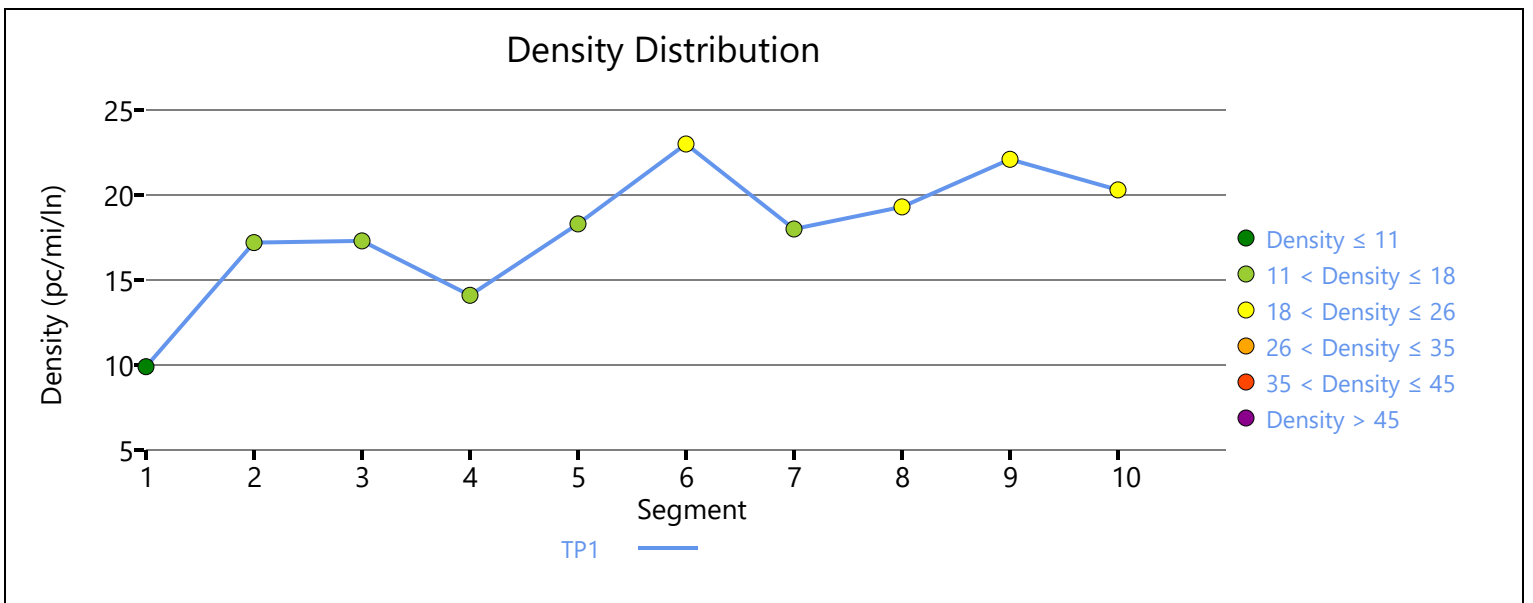
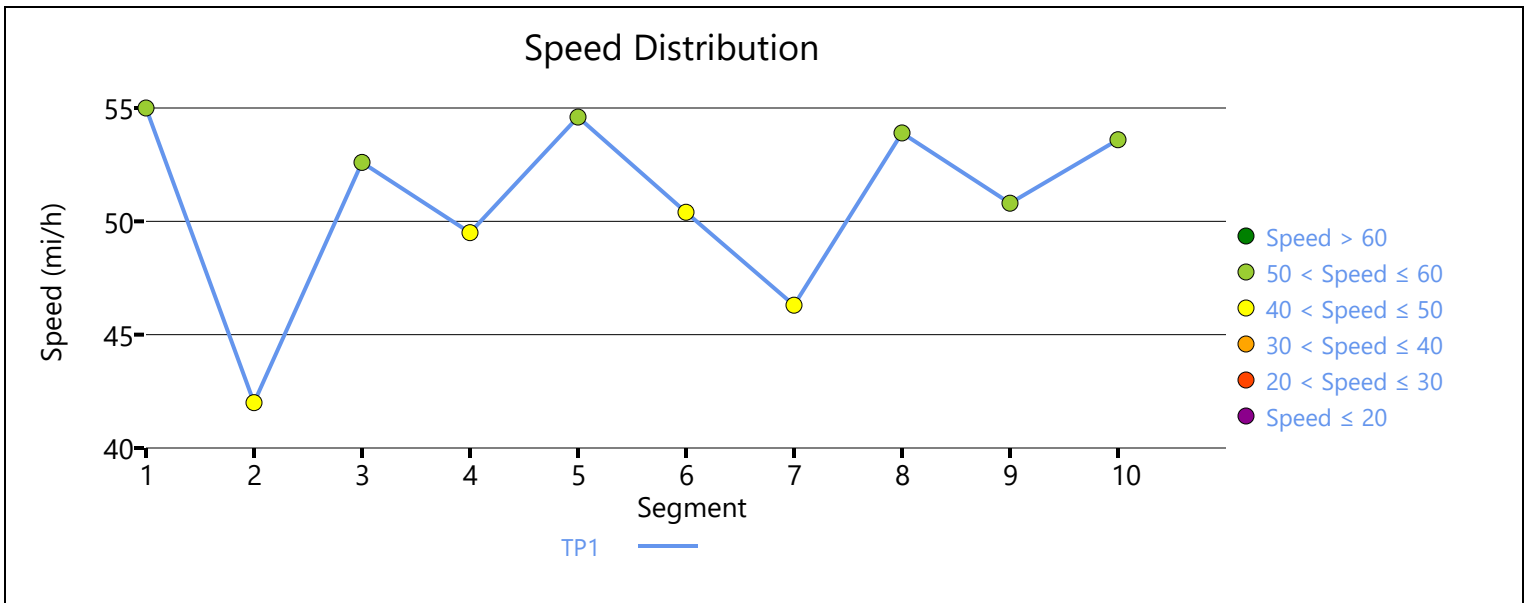
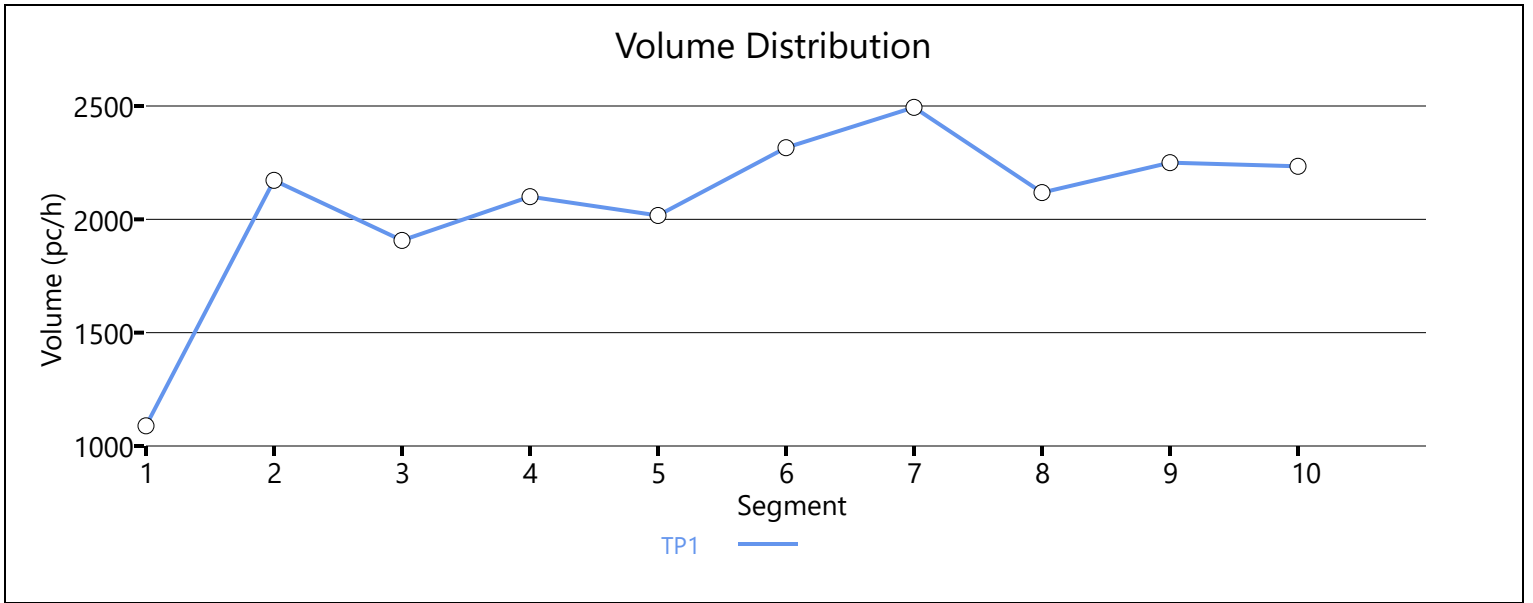
Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.95	0.990	2172	3774	0.58	42.0	17.2	B

Segment 3: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.94	0.990	1907	4500	0.42	52.6	17.3	B

Segment 4: Weaving

Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.94		0.990		2100		6012		0.35		49.5		14.1		B
Segment 5: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.93		0.990		2017		4500		0.45		54.6		18.3		C
Segment 6: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.93	0.81	0.990	1.000	2316	299	4500	2000	0.51	0.15	50.4	50.4	23.0	22.5	C
Segment 7: Weaving															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.95		0.990		2494		5730		0.44		46.3		18.0		B
Segment 8: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.93		0.990		2118		4500		0.47		53.9		19.3		C
Segment 9: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.93	0.81	0.990	1.000	2250	132	4500	2000	0.50	0.07	50.8	50.8	22.1	19.9	B
Segment 10: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.93		0.990		2234		4500		0.50		53.6		20.3		C
Facility Time Period Results															
T	Speed, mi/h				Density, pc/mi/ln				Density, veh/mi/ln				Travel Time, min		LOS
1	48.7				17.3				16.6				2.30		B
Facility Overall Results															
Space Mean Speed, mi/h					48.7				Density, veh/mi/ln				16.6		
Average Travel Time, min					2.30				Density, pc/mi/ln				17.3		
Messages															
Comments															



HCS7 Freeway Facilities Report

Project Information

Analyst	UP	Date	7/11/2024
Agency	Simco	Analysis Year	2024
Jurisdiction		Time Period Analyzed	No Build PM Peak Hour
Project Description	DASNY Wadsworth Consolidated Labs EIS	Unit	United States Customary

Facility Global Input

Jam Density, pc/mi/ln	190.0	Density at Capacity, pc/mi/ln	45.0
Queue Discharge Capacity Drop, %	7	Total Segments	10
Total Time Periods	1	Time Period Duration, min	15
Facility Length, mi	1.89		

Facility Segment Data

No.	Coded	Analyzed	Name	Length, ft	Lanes
1	Basic	Basic	NY 85 SB on ramp from I-90 WB	402	2
2	Weaving	Weaving	NY 85 SB on ramp from I-90 EB and off ramp to Campus Outer Rd.	1722	3
3	Basic	Basic	NY 85 SB	353	2
4	Weaving	Weaving	NY 85 SB on ramp from Washington Ave. and off ramp to Campus Inner Rd.	1722	3
5	Basic	Basic	NY 85 SB	1659	2
6	Merge	Merge	NY 85 SB on ramp Campus Inner Rd.	297	2
7	Weaving	Weaving	NY 85 SB on ramp from Campus Inner Rd. and off ramp to Daytona Ave.	2008	3
8	Basic	Basic	NY 85 SB	492	2
9	Merge	Merge	NY 85 SB on ramp Daytona Ave.	568	2
10	Basic	Basic	NY 85 SB	748	2

Facility Segment Data

Segment 1: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.95	0.990	1122	4500	0.25	55.0	10.2	A

Segment 2: Weaving

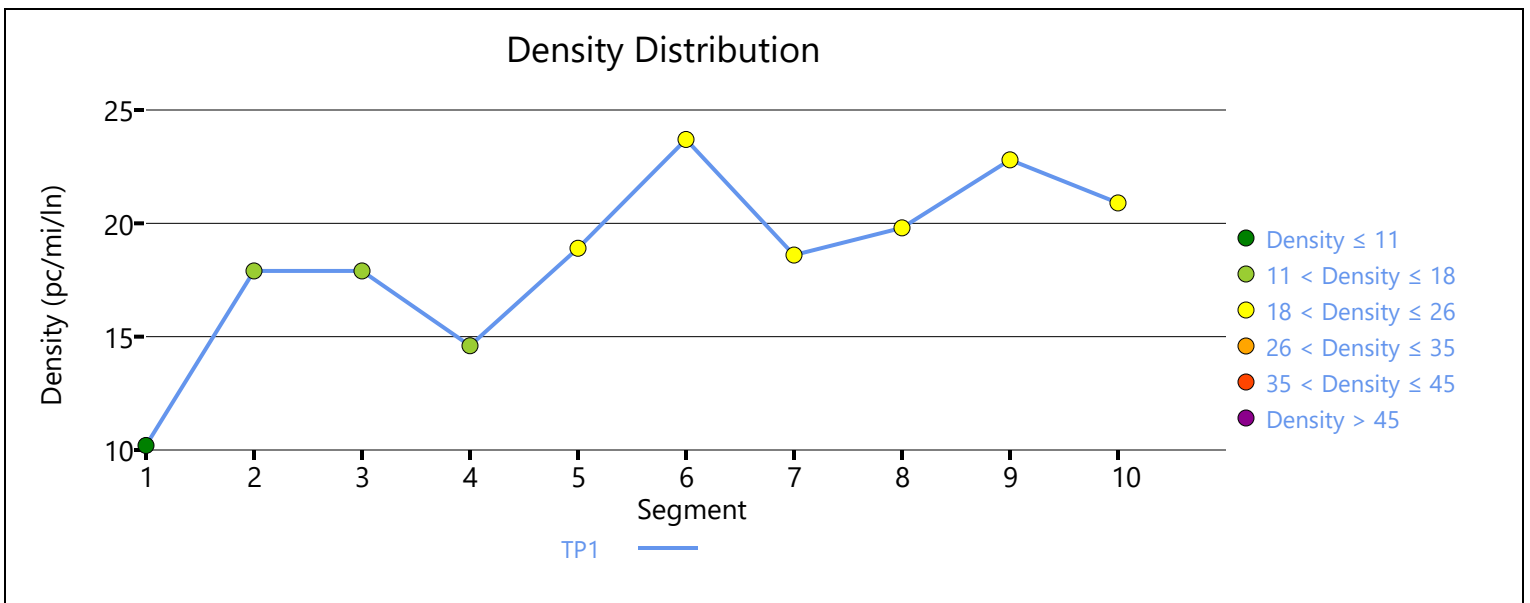
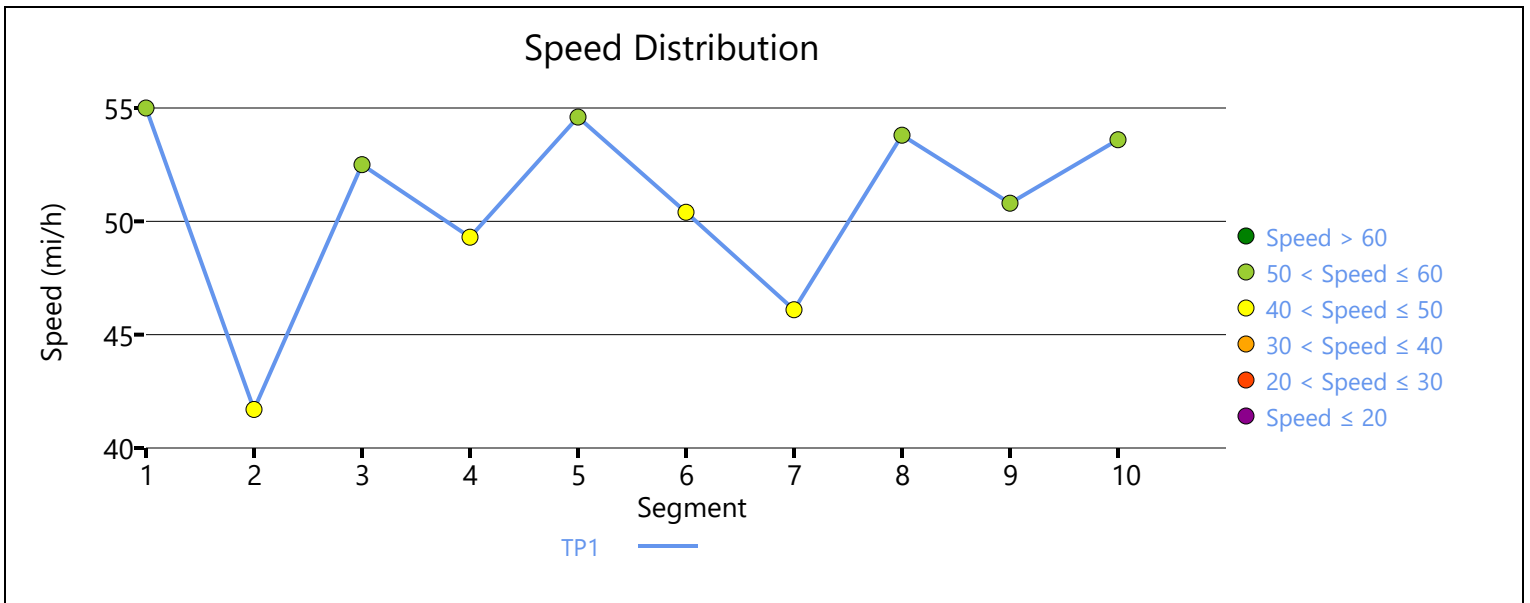
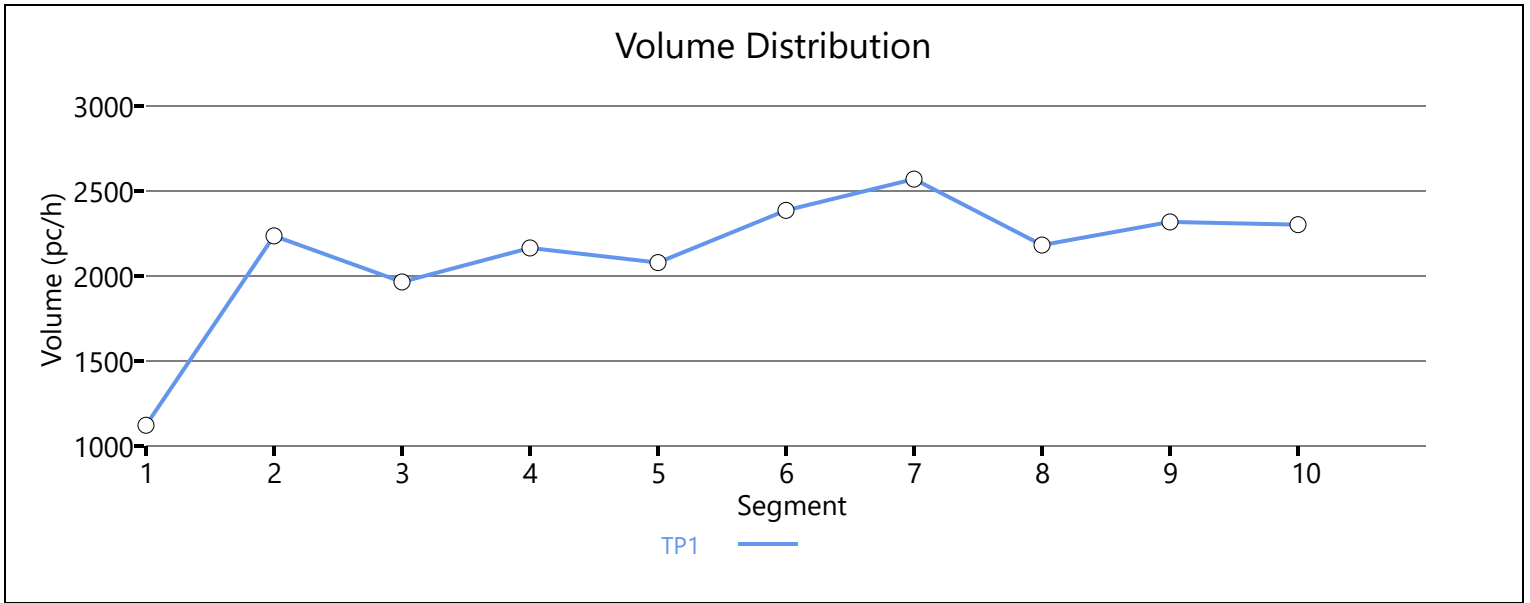
Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.95	0.990	2236	3774	0.59	41.7	17.9	B

Segment 3: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.94	0.990	1965	4500	0.44	52.5	17.9	B

Segment 4: Weaving

Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.94		0.990		2165		6012		0.36		49.3		14.6		B
Segment 5: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.93		0.990		2079		4500		0.46		54.6		18.9		C
Segment 6: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.93	0.81	0.990	1.000	2386	307	4500	2000	0.53	0.15	50.4	50.4	23.7	23.1	C
Segment 7: Weaving															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.95		0.990		2570		5730		0.45		46.1		18.6		B
Segment 8: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.93		0.990		2182		4500		0.48		53.8		19.8		C
Segment 9: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.93	0.81	0.990	1.000	2318	136	4500	2000	0.52	0.07	50.8	50.8	22.8	20.4	C
Segment 10: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.93		0.990		2302		4500		0.51		53.6		20.9		C
Facility Time Period Results															
T	Speed, mi/h				Density, pc/mi/ln				Density, veh/mi/ln				Travel Time, min		LOS
1	48.5				17.9				17.1				2.30		B
Facility Overall Results															
Space Mean Speed, mi/h					48.5				Density, veh/mi/ln				17.1		
Average Travel Time, min					2.30				Density, pc/mi/ln				17.9		
Messages															
Comments															



HCS7 Freeway Facilities Report

Project Information

Analyst	UP	Date	7/11/2024
Agency	Simco	Analysis Year	2024
Jurisdiction		Time Period Analyzed	Build PM Peak Hour
Project Description	DASNY Wadsworth Consolidated Labs EIS	Unit	United States Customary

Facility Global Input

Jam Density, pc/mi/ln	190.0	Density at Capacity, pc/mi/ln	45.0
Queue Discharge Capacity Drop, %	7	Total Segments	10
Total Time Periods	1	Time Period Duration, min	15
Facility Length, mi	1.89		

Facility Segment Data

No.	Coded	Analyzed	Name	Length, ft	Lanes
1	Basic	Basic	NY 85 SB on ramp from I-90 WB	402	2
2	Weaving	Weaving	NY 85 SB on ramp from I-90 EB and off ramp to Campus Outer Rd.	1722	3
3	Basic	Basic	NY 85 SB	353	2
4	Weaving	Weaving	NY 85 SB on ramp from Washington Ave. and off ramp to Campus Inner Rd.	1722	3
5	Basic	Basic	NY 85 SB	1659	2
6	Merge	Merge	NY 85 SB on ramp Campus Inner Rd.	297	2
7	Weaving	Weaving	NY 85 SB on ramp from Campus Inner Rd. and off ramp to Daytona Ave.	2008	3
8	Basic	Basic	NY 85 SB	492	2
9	Merge	Merge	NY 85 SB on ramp Daytona Ave.	568	2
10	Basic	Basic	NY 85 SB	748	2

Facility Segment Data

Segment 1: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.95	0.990	1122	4500	0.25	55.0	10.2	A

Segment 2: Weaving

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.95	0.990	2236	3774	0.59	41.7	17.9	B

Segment 3: Basic

Time Period	PHF	fHV	Flow Rate (pc/h)	Capacity (pc/h)	d/c Ratio	Speed (mi/h)	Density (pc/mi/ln)	LOS
1	0.94	0.990	1965	4500	0.44	52.5	17.9	B

Segment 4: Weaving

Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.94		0.990		2165		6012		0.36		49.3		14.6		B
Segment 5: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.93		0.990		2079		4500		0.46		54.6		18.9		C
Segment 6: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.93	0.81	0.990	1.000	2386	307	4500	2000	0.53	0.15	50.4	50.4	23.7	23.1	C
Segment 7: Weaving															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.95		0.990		2756		5607		0.49		44.6		20.6		C
Segment 8: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.93		0.990		2321		4500		0.52		53.6		21.1		C
Segment 9: Merge															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
	F	R	F	R	Freeway	Ramp	Freeway	Ramp	F	R	F	R	Freeway	Ramp	
1	0.93	0.81	0.990	1.000	2457	136	4500	2000	0.55	0.07	50.7	50.7	24.2	21.5	C
Segment 10: Basic															
Time Period	PHF		fHV		Flow Rate (pc/h)		Capacity (pc/h)		d/c Ratio		Speed (mi/h)		Density (pc/mi/ln)		LOS
1	0.93		0.990		2441		4500		0.54		53.5		22.2		C
Facility Time Period Results															
T	Speed, mi/h				Density, pc/mi/ln				Density, veh/mi/ln				Travel Time, min		LOS
1	48.1				18.6				17.8				2.40		C
Facility Overall Results															
Space Mean Speed, mi/h					48.1				Density, veh/mi/ln				17.8		
Average Travel Time, min					2.40				Density, pc/mi/ln				18.6		
Messages															
Comments															

