

J – 2020 TSP Mitigated LOS Calculations

Scenario Report

Scenario: 2020 MIT

Command: 2020 MIT
 Volume: Base 2020
 Geometry: Base 2020
 Impact Fee: Default Impact Fee
 Trip Generation: pm peak
 Trip Distribution: dist
 Paths: Default Paths
 Routes: Default Routes
 Configuration: Default Configuration

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	Del/	V/	Del/	V/	
	LOS	Veh C	LOS	Veh C	
# 1 170th/TV Highway	D	47.7 0.958	D	47.7 0.958	+ 0.000 D/V
# 2 170th/Farmington	D	54.1 0.982	D	54.1 0.982	+ 0.000 D/V
# 3 170th/Oak	B	13.3 0.775	B	13.3 0.775	+ 0.000 D/V
# 5 170th/Bany	C	34.8 0.750	C	34.8 0.750	+ 0.000 D/V
# 6 Bethany/US 26 west ramp	D	37.3 0.952	D	37.3 0.952	+ 0.000 D/V
# 7 Bethany/US 26 east ramp	C	31.9 0.862	C	31.9 0.862	+ 0.000 D/V
# 8 Bethany/Cornell	D	38.6 0.906	D	38.6 0.906	+ 0.000 D/V
# 9 Cornell/US 26 east ramp	C	25.7 0.895	C	25.7 0.895	+ 0.000 D/V
# 10 Cornell/US 26 west ramp	D	37.3 0.913	D	37.3 0.913	+ 0.000 D/V
# 11 158th/Cornell	D	41.5 0.977	D	41.5 0.977	+ 0.000 D/V
# 12 158th/Walker	D	52.4 0.984	D	52.4 0.984	+ 0.000 D/V
# 13 143rd/Cornell	E	56.2 0.742	E	56.2 0.742	+ 0.000 D/V
# 14 Murray/Cornell	E	56.3 0.981	E	56.3 0.981	+ 0.000 D/V
# 15 Barnes/Saltzman/Cornell	E	63.3 0.971	E	63.3 0.971	+ 0.000 D/V
# 16 Murray/US 26 west ramp	C	30.3 0.866	C	30.3 0.866	+ 0.000 D/V
# 17 Murray/US 26 east ramps	B	16.5 0.645	B	16.5 0.645	+ 0.000 D/V
# 18 Murray/Walker	D	49.4 0.964	D	49.4 0.964	+ 0.000 D/V
# 19 Murray/Jenkins	D	38.8 0.886	D	38.8 0.886	+ 0.000 D/V
# 20 Murray/Farmington	C	30.1 0.773	C	30.1 0.773	+ 0.000 D/V
# 21 Murray/6th	C	28.8 0.898	C	28.8 0.898	+ 0.000 D/V
# 22 Murray/Allen	D	44.7 0.883	D	44.7 0.883	+ 0.000 D/V
# 23 Murray/Brockman/Beard	D	48.6 0.950	D	48.6 0.950	+ 0.000 D/V
# 24 Nimbus/Scholls Ferry	D	41.8 0.918	D	41.8 0.918	+ 0.000 D/V
# 25 Hall/Scholls Ferry	D	38.8 0.772	D	38.8 0.772	+ 0.000 D/V
# 26 Allen/Schools Ferry	D	52.3 0.965	D	52.3 0.965	+ 0.000 D/V

Intersection	Base		Future		Change in	
	Del/ LOS	V/ Veh	Del/ LOS	V/ Veh		
# 27 Oleson/Vermont	C	25.4 0.778	C	25.4 0.778	+ 0.000	D/V
# 28 Oleson/Garden Home	D	49.6 0.998	D	49.6 0.998	+ 0.000	D/V
# 29 Cedar Hills/Barnes	E	59.2 0.956	E	59.2 0.956	+ 0.000	D/V
# 30 Cedar Hills/US 26 west ramps	C	25.1 0.933	C	25.1 0.933	+ 0.000	D/V
# 31 Cedar Hills/US 26 east ramps	C	24.9 0.853	C	24.9 0.853	+ 0.000	D/V
# 32 Cedar Hills/Butner	D	41.7 0.968	D	41.7 0.968	+ 0.000	D/V
# 33 Cedar Hills/Walker	D	53.9 0.981	D	53.9 0.981	+ 0.000	D/V
# 34 Cedar Hills/Jenkins	D	48.6 0.918	D	48.6 0.918	+ 0.000	D/V
# 35 Cedar Hills/Hall	D	42.6 0.897	D	42.6 0.897	+ 0.000	D/V
# 36 Cedar Hills/Canyon	D	54.5 0.989	D	54.5 0.989	+ 0.000	D/V
# 37 Cedar Hills/Farmington	C	21.1 0.719	C	21.1 0.719	+ 0.000	D/V
# 38 Hall/Center	C	25.4 0.723	C	25.4 0.723	+ 0.000	D/V
# 39 Hall/Allen	D	46.3 0.953	D	46.3 0.953	+ 0.000	D/V
# 40 Hall/Denney	C	26.9 0.876	C	26.9 0.876	+ 0.000	D/V
# 41 Hall/Greenway	D	35.6 0.968	D	35.6 0.968	+ 0.000	D/V
# 42 Hall/Nimbus	C	31.5 0.832	C	31.5 0.832	+ 0.000	D/V
# 43 125th/Greenway	D	38.9 0.812	D	38.9 0.812	+ 0.000	D/V
# 44 Western/Beaverton Hillsdale	D	43.9 0.930	D	43.9 0.930	+ 0.000	D/V
# 45 Western/Allen	D	47.2 0.982	D	47.2 0.982	+ 0.000	D/V
# 46 Laurelwood/Beaverton Hillsdale	C	34.4 0.936	C	34.4 0.936	+ 0.000	D/V
# 47 Lombard/Farmington	D	50.9 0.965	D	50.9 0.965	+ 0.000	D/V
# 48 114th/Canyon	C	24.7 0.839	C	24.7 0.839	+ 0.000	D/V
# 49 Griffith/Beaverton Hillsdale	C	30.5 0.738	C	30.5 0.738	+ 0.000	D/V
# 50 87th/Canyon	C	25.1 0.853	C	25.1 0.853	+ 0.000	D/V
# 51 Garden Home/84th	D	33.5 0.000	D	33.5 0.000	+ 0.000	V/C
# 52 Garden Home/88th	C	23.5 0.000	C	23.5 0.000	+ 0.000	V/C

Intersection	Base		Future		Change in	
	Del/ LOS	V/ Veh	Del/ LOS	V/ Veh		
# 53 158th/Jenkins	D	46.5 0.942	D	46.5 0.942	+ 0.000	D/V
# 54 170th/Merlo	C	27.8 0.718	C	27.8 0.718	+ 0.000	D/V
# 56 TV Highway/Murray	C	22.2 0.714	C	22.2 0.714	+ 0.000	D/V
# 57 Farmington/Hall	C	30.4 0.919	C	30.4 0.919	+ 0.000	D/V
# 58 Canyon/Hall	C	26.7 0.850	C	26.7 0.850	+ 0.000	D/V
# 59 Walker/173rd	D	36.1 0.871	D	36.1 0.871	+ 0.000	D/V
# 60 170th/Baseline	D	53.3 0.987	D	53.3 0.987	+ 0.000	D/V
# 64 Cornell/173rd	E	56.5 0.983	E	56.5 0.983	+ 0.000	D/V
# 66 Scholls Ferry/Cascade	C	32.7 0.934	C	32.7 0.934	+ 0.000	D/V
# 72 Canyon/Watson	C	30.4 0.909	C	30.4 0.909	+ 0.000	D/V
# 73 Farmington/Watson	C	27.6 0.878	C	27.6 0.878	+ 0.000	D/V
# 76 Scholls Ferry/Denney	C	24.6 0.765	C	24.6 0.765	+ 0.000	D/V
# 77 Farmington/Hocken	C	31.4 0.883	C	31.4 0.883	+ 0.000	D/V
# 78 TV Highway/Hocken	C	34.2 0.839	C	34.2 0.839	+ 0.000	D/V
# 81 158th/Blueridge	D	38.8 0.977	D	38.8 0.977	+ 0.000	D/V
# 83 158th/Jay	D	44.1 0.991	D	44.1 0.991	+ 0.000	D/V
# 85 TV Highway/160th	C	34.8 0.902	C	34.8 0.902	+ 0.000	D/V
# 87 Hart/155th	B	15.9 0.515	B	15.9 0.515	+ 0.000	D/V
# 88 Murray/Hart	D	40.4 0.978	D	40.4 0.978	+ 0.000	D/V
# 89 Murray/Scholls Ferry	D	49.2 0.927	D	49.2 0.927	+ 0.000	D/V
# 90 Scholls Ferry/Davies	B	18.1 0.698	B	18.1 0.698	+ 0.000	D/V
# 92 Scholls Ferry/135th	B	13.0 0.643	B	13.0 0.643	+ 0.000	D/V
# 93 Scholls Ferry/125th	D	51.4 0.981	D	51.4 0.981	+ 0.000	D/V
# 94 Scholls Ferry/121st	D	37.0 0.919	D	37.0 0.919	+ 0.000	D/V
# 95 Scholls Ferry/Conestoga	B	12.5 0.774	B	12.5 0.774	+ 0.000	D/V
#102 Scholls Ferry/Laurelwood	A	9.0 0.620	A	9.0 0.620	+ 0.000	D/V

Intersection	Base		Future		Change in
	Del/ LOS	V/ Veh	Del/ LOS	V/ Veh	
#103 Canyon/Lombard	D	44.1 0.945	D	44.1 0.945	+ 0.000 D/V
#105 Canyon/117th	C	24.5 0.745	C	24.5 0.745	+ 0.000 D/V
#114 ORE 217 SB Ramp/Canyon	C	25.6 0.772	C	25.6 0.772	+ 0.000 D/V
#115 ORE 217 NB Ramp/Canyon	C	26.2 0.745	C	26.2 0.745	+ 0.000 D/V
#116 ORE 217 SB Ramp/Farmington	C	29.9 0.848	C	29.9 0.848	+ 0.000 D/V
#117 ORE 217 NB Ramp/Farmington	C	27.4 0.781	C	27.4 0.781	+ 0.000 D/V
#118 ORE 217 SB Ramp/Allen	D	37.1 0.929	D	37.1 0.929	+ 0.000 D/V
#119 ORE 217 NB Ramp/Allen	D	37.2 0.950	D	37.2 0.950	+ 0.000 D/V
#120 ORE 217 SB Ramp/Denney	D	40.1 0.938	D	40.1 0.938	+ 0.000 D/V
#121 ORE 217 NB Ramp/Denney	D	42.1 0.881	D	42.1 0.881	+ 0.000 D/V
#122 ORE 217 SB off Ramp/Hall/Casca	D	41.0 0.884	D	41.0 0.884	+ 0.000 D/V
#123 ORE 217 NB on Ramp/Scholls Fer	D	42.7 0.965	D	42.7 0.965	+ 0.000 D/V
#125 ORE 217 NB off Ramp/Scholls Fe	C	20.1 0.678	C	20.1 0.678	+ 0.000 D/V
#129 ORE 217 NB Ramp/Walker	C	27.4 0.828	C	27.4 0.828	+ 0.000 D/V
#130 ORE 217 SB Ramp/Walker	B	18.6 0.798	B	18.6 0.798	+ 0.000 D/V
#131 Scholls Ferry/ORE 217 SB on Ra	C	34.0 0.784	C	34.0 0.784	+ 0.000 D/V

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 170th/TV Highway

Cycle (sec): 120 Critical Vol./Cap. (X): 0.958
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 47.7
Optimal Cycle: 168 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1	0	1	1	0	1	1	0	3	2	0	3

Volume Module:

Base Vol:	142	344	75	331	628	18	123	1898	221	521	1983	352
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	142	344	75	331	628	18	123	1898	221	521	1983	352
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	142	344	75	331	628	18	123	1898	221	521	1983	352
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	142	344	75	331	628	18	123	1898	221	521	1983	352
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	142	344	75	331	628	18	123	1898	221	521	1983	352

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.91	0.91	0.94	0.94	0.84	0.93	0.89	0.83	0.91	0.90	0.84
Lanes:	1.00	1.64	0.36	1.00	2.00	1.00	1.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	1769	2826	616	1787	3574	1599	1769	5083	1583	3467	5135	1599

Capacity Analysis Module:

Vol/Sat:	0.08	0.12	0.12	0.19	0.18	0.01	0.07	0.37	0.14	0.15	0.39	0.22
Crit Moves:	****			****			****			****		
Green/Cycle:	0.10	0.13	0.13	0.19	0.22	0.22	0.08	0.39	0.49	0.16	0.46	0.66
Volume/Cap:	0.80	0.96	0.96	0.96	0.80	0.05	0.83	0.96	0.28	0.96	0.83	0.34
Uniform Del:	52.8	52.1	52.1	47.9	44.3	36.9	54.2	35.7	18.1	50.2	28.2	9.1
IncrementDel:	22.0	32.4	32.4	37.4	5.8	0.1	31.6	11.9	0.2	28.3	2.7	0.2
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	74.8	84.5	84.5	85.3	50.1	37.0	85.8	47.6	18.3	78.5	30.9	9.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	74.8	84.5	84.5	85.3	50.1	37.0	85.8	47.6	18.3	78.5	30.9	9.3
DesignQueue:	9	21	4	19	34	1	8	85	8	30	78	8

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 170th/Farmington

Cycle (sec): 100 Critical Vol./Cap. (X): 0.982
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 54.1
Optimal Cycle: 162 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic flows. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module:

Table with 12 columns. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 12 columns. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #3 170th/Oak

Cycle (sec): 100 Critical Vol./Cap. (X): 0.775
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 13.3
Optimal Cycle: 64 Level Of Service: B

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic flows. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module:

Table with 12 columns. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 12 columns. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 170th/Bany

Cycle (sec): 100 Critical Vol./Cap. (X): 0.750
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 34.8
Optimal Cycle: 77 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic volumes and adjustment factors like Base Vol, Growth Adj, Initial Bse, etc.

Saturation Flow Module:

Table with 12 columns for Sat/Lane, Adjustment, Lanes, and Final Sat. values.

Capacity Analysis Module:

Table with 12 columns for Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Bethany/US 26 west ramp

Cycle (sec): 100 Critical Vol./Cap. (X): 0.952
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 37.3
Optimal Cycle: 140 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic volumes and adjustment factors like Base Vol, Growth Adj, Initial Bse, etc.

Saturation Flow Module:

Table with 12 columns for Sat/Lane, Adjustment, Lanes, and Final Sat. values.

Capacity Analysis Module:

Table with 12 columns for Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #7 Bethany/US 26 east ramp

Cycle (sec): 100 Critical Vol./Cap. (X): 0.862
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 31.9
Optimal Cycle: 94 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 11 columns for different traffic movements and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 11 columns for movements and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 11 columns for movements and 11 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bethany/Cornell

Cycle (sec): 120 Critical Vol./Cap. (X): 0.906
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 38.6
Optimal Cycle: 132 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 11 columns for different traffic movements and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 11 columns for movements and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 11 columns for movements and 11 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #9 Cornell/US 26 east ramp

Cycle (sec): 100 Critical Vol./Cap. (X): 0.895
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 25.7
Optimal Cycle: 107 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 11 columns for different traffic flows and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 11 columns for flows and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 11 columns for flows and 11 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #10 Cornell/US 26 west ramp

Cycle (sec): 100 Critical Vol./Cap. (X): 0.913
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 37.3
Optimal Cycle: 116 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 11 columns for different traffic flows and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 11 columns for flows and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 11 columns for flows and 11 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #11 158th/Cornell

Cycle (sec): 90 Critical Vol./Cap. (X): 0.977
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 41.5
Optimal Cycle: 149 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 11 columns for different traffic movements and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 11 columns for movements and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 11 columns for movements and 11 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #12 158th/Walker

Cycle (sec): 120 Critical Vol./Cap. (X): 0.984
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 52.4
Optimal Cycle: 180 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 11 columns for different traffic movements and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 11 columns for movements and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 11 columns for movements and 11 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 I43rd/Cornell

Cycle (sec): 100 Critical Vol./Cap. (X): 0.742
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 56.2
Optimal Cycle: 180 Level Of Service: E

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 12 columns representing different traffic volumes and 10 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 12 columns for saturation flow and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 12 columns for capacity metrics and 10 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #14 Murray/Cornell

Cycle (sec): 120 Critical Vol./Cap. (X): 0.981
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 56.3
Optimal Cycle: 180 Level Of Service: E

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 12 columns representing different traffic volumes and 10 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 12 columns for saturation flow and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 12 columns for capacity metrics and 10 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #15 Barnes/Saltzman/Cornell

Cycle (sec): 100 Critical Vol./Cap. (X): 0.971
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 63.3
Optimal Cycle: 154 Level Of Service: E

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements and 10 rows of volume-related metrics like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 12 columns and 5 rows showing saturation flow adjustments and lane counts.

Capacity Analysis Module:

Table with 12 columns and 13 rows detailing capacity analysis metrics such as Vol/Sat, Green/Cycle, and Delay/Veh.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #16 Murray/US 26 west ramp

Cycle (sec): 100 Critical Vol./Cap. (X): 0.866
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 30.3
Optimal Cycle: 85 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements and 10 rows of volume-related metrics like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 12 columns and 5 rows showing saturation flow adjustments and lane counts.

Capacity Analysis Module:

Table with 12 columns and 13 rows detailing capacity analysis metrics such as Vol/Sat, Green/Cycle, and Delay/Veh.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #17 Murray/US 26 east ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.645
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 16.5
Optimal Cycle: 42 Level Of Service: B

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 10 columns for traffic volumes and 10 rows for various adjustment factors like Base Vol, Growth Adj, Initial Bse, etc.

Saturation Flow Module:

Table with 10 columns for saturation flow and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 10 columns for capacity analysis and 10 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #18 Murray/Walker

Cycle (sec): 120 Critical Vol./Cap. (X): 0.964
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 49.4
Optimal Cycle: 173 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 10 columns for traffic volumes and 10 rows for various adjustment factors like Base Vol, Growth Adj, Initial Bse, etc.

Saturation Flow Module:

Table with 10 columns for saturation flow and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 10 columns for capacity analysis and 10 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #19 Murray/Jenkins

Cycle (sec): 100 Critical Vol./Cap. (X): 0.886
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 38.8
Optimal Cycle: 111 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic flows. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module:

Table with 12 columns. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 12 columns. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #20 Murray/Farmington

Cycle (sec): 120 Critical Vol./Cap. (X): 0.773
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 30.1
Optimal Cycle: 75 Level Of Service: C

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic flows. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module:

Table with 12 columns. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 12 columns. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #21 Murray/6th

Cycle (sec): 120 Critical Vol./Cap. (X): 0.898
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 28.8
Optimal Cycle: 128 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Protected Protected Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 1 1 0 1 0 1 1 0 1 0 0 1 0

Volume Module:

Base Vol: 189 1454 40 53 1926 10 30 30 66 30 67 117
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 189 1454 40 53 1926 10 30 30 66 30 67 117
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 189 1454 40 53 1926 10 30 30 66 30 67 117
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 189 1454 40 53 1926 10 30 30 66 30 67 117
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 189 1454 40 53 1926 10 30 30 66 30 67 117

Saturation Flow Module:

Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.93 0.93 0.93 0.93 0.93 0.93 0.88 0.88 0.95 0.91 0.91
Lanes: 1.00 1.95 0.05 1.00 1.99 0.01 1.00 0.31 0.69 1.00 0.36 0.64
Final Sat.: 1769 3422 94 1769 3516 18 1769 522 1148 1805 626 1093

Capacity Analysis Module:

Vol/Sat: 0.11 0.42 0.42 0.03 0.55 0.55 0.02 0.06 0.06 0.02 0.11 0.11
Crit Moves: ****
Green/Cycle: 0.12 0.68 0.68 0.05 0.61 0.61 0.02 0.11 0.11 0.03 0.12 0.12
Volume/Cap: 0.90 0.62 0.62 0.62 0.90 0.90 0.90 0.54 0.54 0.54 0.90 0.90
Uniform Del: 52.1 10.6 10.6 56.1 20.2 20.2 58.8 50.8 50.8 57.3 52.1 52.1
IncrementDel: 35.6 0.5 0.5 13.6 5.5 5.5 114.1 3.2 3.2 10.0 36.3 36.3
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 87.8 11.2 11.2 69.7 25.7 25.7 172.9 54.0 54.0 67.3 88.4 88.4
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 87.8 11.2 11.2 69.7 25.7 25.7 172.9 54.0 54.0 67.3 88.4 88.4
DesignQueue: 11 35 1 3 58 0 2 2 4 2 4 7

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #22 Murray/Allen

Cycle (sec): 120 Critical Vol./Cap. (X): 0.883
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 44.7
Optimal Cycle: 121 Level Of Service: D

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Protected Protected Split Phase Split Phase
Rights: Ovl Include Include Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 2 0 1 2 0 2 0 1 1 0 1 0 1 2 0 2 0 2

Volume Module:

Base Vol: 131 1104 276 444 1402 102 136 251 45 474 583 496
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 131 1104 276 444 1402 102 136 251 45 474 583 496
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 131 1104 276 444 1402 102 136 251 45 474 583 496
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 131 1104 276 444 1402 102 136 251 45 474 583 496
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 131 1104 276 444 1402 102 136 251 45 474 583 496

Saturation Flow Module:

Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.92 0.92 0.83 0.91 0.94 0.84 0.93 0.98 0.83 0.91 0.94 0.74
Lanes: 1.00 2.00 1.00 2.00 2.00 1.00 1.00 1.00 1.00 2.00 2.00 2.00
Final Sat.: 1753 3505 1568 3467 3574 1599 1769 1862 1583 3467 3574 2814

Capacity Analysis Module:

Vol/Sat: 0.07 0.31 0.18 0.13 0.39 0.06 0.08 0.13 0.03 0.14 0.16 0.18
Crit Moves: ****
Green/Cycle: 0.08 0.38 0.56 0.15 0.44 0.44 0.15 0.15 0.15 0.18 0.18 0.34
Volume/Cap: 0.88 0.84 0.31 0.84 0.88 0.14 0.50 0.88 0.19 0.74 0.88 0.52
Uniform Del: 54.3 34.1 14.0 49.4 30.5 19.8 46.7 49.8 44.3 46.2 47.6 31.9
IncrementDel: 41.5 4.9 0.2 11.2 6.2 0.1 1.5 25.9 0.4 4.6 13.3 0.5
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 95.8 39.0 14.2 60.6 36.7 19.9 48.2 75.7 44.7 50.8 60.9 32.5
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 95.8 39.0 14.2 60.6 36.7 19.9 48.2 75.7 44.7 50.8 60.9 32.5
DesignQueue: 8 50 8 26 58 4 8 15 3 27 33 23

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #23 Murray/Brockman/Beard

Cycle (sec): 120 Critical Vol./Cap. (X): 0.950
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 48.6
Optimal Cycle: 161 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns for traffic volumes and 12 columns for adjustment factors (Growth, Initial, User, PHF, Reduct, etc.).

Saturation Flow Module:

Table with 12 columns for saturation flow values and adjustment factors.

Capacity Analysis Module:

Table with 12 columns for capacity analysis metrics including Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #24 Nimbus/Scholls Ferry

Cycle (sec): 120 Critical Vol./Cap. (X): 0.918
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 41.8
Optimal Cycle: 139 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns for traffic volumes and 12 columns for adjustment factors (Growth, Initial, User, PHF, Reduct, etc.).

Saturation Flow Module:

Table with 12 columns for saturation flow values and adjustment factors.

Capacity Analysis Module:

Table with 12 columns for capacity analysis metrics including Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Hall/Scholls Ferry

Cycle (sec): 120 Critical Vol./Cap. (X): 0.772
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 38.8
Optimal Cycle: 86 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 12 columns for volume and 12 columns for adjustment factors (Growth, Initial, User, PHF, etc.).

Saturation Flow Module table with 12 columns for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 12 columns for Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Allen/Schools Ferry

Cycle (sec): 120 Critical Vol./Cap. (X): 0.965
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 52.3
Optimal Cycle: 180 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 12 columns for volume and 12 columns for adjustment factors (Growth, Initial, User, PHF, etc.).

Saturation Flow Module table with 12 columns for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 12 columns for Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #27 Oleson/Vermont

Cycle (sec): 100 Critical Vol./Cap. (X): 0.778
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 25.4
Optimal Cycle: 72 Level Of Service: C

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns for traffic volumes and 12 columns for adjustment factors. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module:

Table with 12 columns for saturation flow. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 12 columns for capacity analysis. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #28 Oleson/Garden Home

Cycle (sec): 100 Critical Vol./Cap. (X): 0.998
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 49.6
Optimal Cycle: 176 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns for traffic volumes and 12 columns for adjustment factors. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module:

Table with 12 columns for saturation flow. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 12 columns for capacity analysis. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #29 Cedar Hills/Barnes

Cycle (sec): 140 Critical Vol./Cap. (X): 0.956
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 59.2
Optimal Cycle: 180 Level Of Service: E

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic volumes and 12 rows representing various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 12 columns for Sat/Lane and Adjustment, and 12 rows for Lanes and Final Sat.

Capacity Analysis Module:

Table with 12 columns for Vol/Sat, Crit Moves, Green/Cycle, etc., and 12 rows for Volume/Cap, Uniform Del, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #30 Cedar Hills/US 26 west ramps

Cycle (sec): 60 Critical Vol./Cap. (X): 0.933
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 25.1
Optimal Cycle: 90 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic volumes and 12 rows representing various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 12 columns for Sat/Lane and Adjustment, and 12 rows for Lanes and Final Sat.

Capacity Analysis Module:

Table with 12 columns for Vol/Sat, Crit Moves, Green/Cycle, etc., and 12 rows for Volume/Cap, Uniform Del, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #31 Cedar Hills/US 26 east ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.853
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 24.9
Optimal Cycle: 91 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 10 columns for different traffic flows. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module table with 10 columns for different traffic flows. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 10 columns for different traffic flows. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #32 Cedar Hills/Butner

Cycle (sec): 100 Critical Vol./Cap. (X): 0.968
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 41.7
Optimal Cycle: 152 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 10 columns for different traffic flows. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module table with 10 columns for different traffic flows. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 10 columns for different traffic flows. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #33 Cedar Hills/Walker

Cycle (sec): 120 Critical Vol./Cap. (X): 0.981
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 53.9
Optimal Cycle: 180 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns representing different traffic volumes and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 11 columns for Sat/Lane and Adjustment, and 11 rows for Lanes and Final Sat.

Capacity Analysis Module:

Table with 11 columns for Vol/Sat, Crit Moves, Green/Cycle, etc., and 11 rows for Volume/Cap, Uniform Del, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #34 Cedar Hills/Jenkins

Cycle (sec): 120 Critical Vol./Cap. (X): 0.918
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 48.6
Optimal Cycle: 139 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns representing different traffic volumes and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 11 columns for Sat/Lane and Adjustment, and 11 rows for Lanes and Final Sat.

Capacity Analysis Module:

Table with 11 columns for Vol/Sat, Crit Moves, Green/Cycle, etc., and 11 rows for Volume/Cap, Uniform Del, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #35 Cedar Hills/Hall

Cycle (sec): 100 Critical Vol./Cap. (X): 0.897
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 42.6
Optimal Cycle: 115 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic flows. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module:

Table with 12 columns. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 12 columns. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #36 Cedar Hills/Canyon

Cycle (sec): 100 Critical Vol./Cap. (X): 0.989
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 54.5
Optimal Cycle: 167 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic flows. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module:

Table with 12 columns. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 12 columns. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #37 Cedar Hills/Farmington

Cycle (sec): 100 Critical Vol./Cap. (X): 0.719
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 21.1
Optimal Cycle: 62 Level Of Service: C

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 12 columns for different traffic movements and 12 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 12 columns for movements and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 12 columns for movements and 12 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #38 Hall/Center

Cycle (sec): 100 Critical Vol./Cap. (X): 0.723
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 25.4
Optimal Cycle: 72 Level Of Service: C

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 12 columns for different traffic movements and 12 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 12 columns for movements and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 12 columns for movements and 12 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #39 Hall/Allen

Cycle (sec): 100 Critical Vol./Cap. (X): 0.953
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 46.3
Optimal Cycle: 142 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns representing different traffic volumes and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 11 columns for Sat/Lane and 11 rows for Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 11 columns for Vol/Sat and 11 rows for Crit Moves, Green/Cycle, Volume/Cap, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #40 Hall/Denney

Cycle (sec): 100 Critical Vol./Cap. (X): 0.876
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 26.9
Optimal Cycle: 81 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns representing different traffic volumes and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 11 columns for Sat/Lane and 11 rows for Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 11 columns for Vol/Sat and 11 rows for Crit Moves, Green/Cycle, Volume/Cap, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #41 Hall/Greenway

Cycle (sec): 120 Critical Vol./Cap. (X): 0.968
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 35.6
Optimal Cycle: 171 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements and 10 rows of volume and adjustment factors.

Saturation Flow Module:

Table with 12 columns and 4 rows showing saturation flow rates and adjustment factors.

Capacity Analysis Module:

Table with 12 columns and 10 rows showing capacity analysis metrics like Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #42 Hall/Nimbus

Cycle (sec): 100 Critical Vol./Cap. (X): 0.832
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 31.5
Optimal Cycle: 94 Level Of Service: C

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements and 10 rows of volume and adjustment factors.

Saturation Flow Module:

Table with 12 columns and 4 rows showing saturation flow rates and adjustment factors.

Capacity Analysis Module:

Table with 12 columns and 10 rows showing capacity analysis metrics like Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #43 125th/Greenway

Cycle (sec): 100 Critical Vol./Cap. (X): 0.812
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 38.9
Optimal Cycle: 80 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements and 10 rows of adjustment factors (Base Vol, Growth Adj, etc.).

Saturation Flow Module:

Table with 12 columns and 4 rows showing Sat/Lane, Adjustment, Lanes, and Final Sat. values.

Capacity Analysis Module:

Table with 12 columns and 12 rows showing Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, and other capacity metrics.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #44 Western/Beaverton Hillsdale

Cycle (sec): 120 Critical Vol./Cap. (X): 0.930
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 43.9
Optimal Cycle: 140 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements and 10 rows of adjustment factors (Base Vol, Growth Adj, etc.).

Saturation Flow Module:

Table with 12 columns and 4 rows showing Sat/Lane, Adjustment, Lanes, and Final Sat. values.

Capacity Analysis Module:

Table with 12 columns and 12 rows showing Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, and other capacity metrics.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #45 Western/Allen

Cycle (sec): 100 Critical Vol./Cap. (X): 0.982
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 47.2
Optimal Cycle: 180 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 12 columns representing different traffic volumes and 10 rows of adjustment factors.

Saturation Flow Module table with 12 columns for Sat/Lane and 10 rows for Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 12 columns for Vol/Sat and 10 rows for Crit Moves, Green/Cycle, Volume/Cap, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #46 Laurelwood/Beaverton Hillsdale

Cycle (sec): 100 Critical Vol./Cap. (X): 0.936
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 34.4
Optimal Cycle: 129 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 12 columns representing different traffic volumes and 10 rows of adjustment factors.

Saturation Flow Module table with 12 columns for Sat/Lane and 10 rows for Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 12 columns for Vol/Sat and 10 rows for Crit Moves, Green/Cycle, Volume/Cap, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #47 Lombard/Farmington

Cycle (sec): 100 Critical Vol./Cap. (X): 0.965
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 50.9
Optimal Cycle: 150 Level Of Service: D

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Protected Protected Protected Protected
Rights: Include Include Ignore Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 1 0 1 1 0 0 1 0 1 0 2 0 1 1 0 2 0 1

Volume Module:
Base Vol: 106 206 101 325 379 72 78 1306 210 159 1604 356
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 106 206 101 325 379 72 78 1306 210 159 1604 356
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Volume: 106 206 101 325 379 72 78 1306 0 159 1604 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 106 206 101 325 379 72 78 1306 0 159 1604 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
Final Vol.: 106 206 101 325 379 72 78 1306 0 159 1604 0

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.92 0.97 0.83 0.91 0.94 0.94 0.93 0.93 1.00 0.93 0.93 1.00
Lanes: 1.00 1.00 1.00 1.00 0.84 0.16 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 1753 1845 1568 1736 1499 285 1769 3538 1900 1769 3538 1900

Capacity Analysis Module:
Vol/Sat: 0.06 0.11 0.06 0.19 0.25 0.25 0.04 0.37 0.00 0.09 0.45 0.00
Crit Moves: ****
Green/Cycle: 0.06 0.12 0.12 0.20 0.26 0.26 0.05 0.41 0.00 0.10 0.47 0.00
Volume/Cap: 0.97 0.92 0.53 0.92 0.97 0.97 0.97 0.89 0.00 0.89 0.97 0.00
Uniform Del: 46.8 43.5 41.3 39.0 36.5 36.5 47.6 27.2 0.0 44.4 25.7 0.0
IncrementDel: 74.5 39.0 2.9 28.7 32.7 32.7 88.1 7.2 0.0 38.2 14.7 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
Delay/Veh: 121.3 82.4 44.1 67.7 69.1 69.1 135.7 34.4 0.0 82.6 40.4 0.0
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 121.3 82.4 44.1 67.7 69.1 69.1 135.7 34.4 0.0 82.6 40.4 0.0
DesignQueue: 6 10 5 15 17 3 4 47 0 8 53 0

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #48 114th/Canyon

Cycle (sec): 100 Critical Vol./Cap. (X): 0.839
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 24.7
Optimal Cycle: 96 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Split Phase Split Phase Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 1 0 1 2 0 0 1 0 1 0 2 0 1 2 0 2 0 1

Volume Module:
Base Vol: 19 98 0 245 69 123 128 1944 27 11 1640 277
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 19 98 0 245 69 123 128 1944 27 11 1640 277
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 19 98 0 245 69 123 128 1944 27 11 1640 277
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 19 98 0 245 69 123 128 1944 27 11 1640 277
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 19 98 0 245 69 123 128 1944 27 11 1640 277

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.95 1.00 1.00 0.92 0.90 0.90 0.95 0.95 0.85 0.92 0.95 0.85
Lanes: 1.00 1.00 1.00 2.00 0.36 0.64 1.00 2.00 1.00 2.00 2.00 1.00
Final Sat.: 1805 1900 1900 3502 617 1100 1805 3610 1615 3502 3610 1615

Capacity Analysis Module:
Vol/Sat: 0.01 0.05 0.00 0.07 0.11 0.11 0.07 0.54 0.02 0.00 0.45 0.17
Crit Moves: ****
Green/Cycle: 0.06 0.06 0.00 0.13 0.13 0.13 0.09 0.64 0.64 0.00 0.56 0.56
Volume/Cap: 0.17 0.84 0.00 0.53 0.84 0.84 0.81 0.84 0.03 0.84 0.81 0.31
Uniform Del: 44.5 46.4 0.0 40.4 42.3 42.3 44.8 13.9 6.5 49.8 17.9 11.8
IncrementDel: 0.7 38.9 0.0 1.1 23.1 23.1 26.6 2.9 0.0 163.4 2.7 0.2
Delay Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 45.2 85.3 0.0 41.5 65.4 65.4 71.5 16.8 6.5 213.2 20.5 12.0
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 45.2 85.3 0.0 41.5 65.4 65.4 71.5 16.8 6.5 213.2 20.5 12.0
DesignQueue: 1 5 0 12 3 6 7 45 1 1 45 7

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #49 Griffith/Beaverton Hillsdale

Cycle (sec): 100 Critical Vol./Cap. (X): 0.738
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 30.5
Optimal Cycle: 90 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic volumes and 10 rows of adjustment factors (Base Vol, Growth Adj, etc.).

Saturation Flow Module:

Table with 12 columns and 4 rows showing saturation flow adjustments for different lanes.

Capacity Analysis Module:

Table with 12 columns and 10 rows showing capacity analysis metrics like Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #50 87th/Canyon

Cycle (sec): 100 Critical Vol./Cap. (X): 0.853
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 25.1
Optimal Cycle: 80 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic volumes and 10 rows of adjustment factors (Base Vol, Growth Adj, etc.).

Saturation Flow Module:

Table with 12 columns and 4 rows showing saturation flow adjustments for different lanes.

Capacity Analysis Module:

Table with 12 columns and 10 rows showing capacity analysis metrics like Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #51 Garden Home/84th
Average Delay (sec/veh): 33.5 Worst Case Level Of Service: D
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Stop Sign Stop Sign Uncontrolled Uncontrolled
Rights: Include Include Include Include
Lanes: 0 0 1! 0 0 0 0 1! 0 0 0 0 1! 0 0 0 0 1! 0 0
Volume Module:
Base Vol: 6 1 11 4 0 2 6 737 11 6 682 12
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 6 1 11 4 0 2 6 737 11 6 682 12
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 6 1 11 4 0 2 6 737 11 6 682 12
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Final Vol.: 6 1 11 4 0 2 6 737 11 6 682 12
Critical Gap Module:
Critical Gp: 7.1 6.5 6.2 7.2 xxxx 6.3 4.1 xxxx xxxxx 4.1 xxxx xxxxx
FollowUpTim: 3.5 4.0 3.3 3.6 xxxx 3.4 2.2 xxxx xxxxx 2.2 xxxx xxxxx
Capacity Module:
Cnflct Vol: 1459 1463 749 1465 xxxx 689 694 xxxx xxxxx 750 xxxx xxxxx
Potent Cap.: 106 127 409 103 xxxx 436 901 xxxx xxxxx 859 xxxx xxxxx
Move Cap.: 104 125 407 98 xxxx 435 901 xxxx xxxxx 858 xxxx xxxxx
Level Of Service Module:
Stopped Del:xxxxx xxxx xxxxx xxxxx xxxxx xxxxx 9.0 xxxx xxxxx 9.2 xxxx xxxxx
LOS by Move: * * * * * * * A * * A * *
Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT LT - LTR - RT
Shared Cap.: xxxx 195 xxxxx xxxx 132 xxxxx xxxx xxxx xxxxx xxxx xxxx xxxxx
Shrd StpDel:xxxxx 25.4 xxxxx xxxxx 33.5 xxxxx xxxxx xxxxx xxxxx xxxx xxxxx
Shared LOS: * D * * D * * * * *
ApproachDel: 25.4 33.5 xxxxxxx xxxxxxx
ApproachLOS: D D * *

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #52 Garden Home/88th
Average Delay (sec/veh): 23.5 Worst Case Level Of Service: C
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Stop Sign Stop Sign Uncontrolled Uncontrolled
Rights: Include Include Include Include
Lanes: 0 0 1! 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0
Volume Module:
Base Vol: 9 0 10 0 0 0 0 766 17 23 629 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 9 0 10 0 0 0 0 766 17 23 629 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 9 0 10 0 0 0 0 766 17 23 629 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Final Vol.: 9 0 10 0 0 0 0 766 17 23 629 0
Critical Gap Module:
Critical Gp: 6.4 xxxx 6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx 4.1 xxxx xxxxx
FollowUpTim: 3.5 xxxx 3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx 2.2 xxxx xxxxx
Capacity Module:
Cnflct Vol: 1450 xxxx 775 xxxx xxxx xxxxx xxxx xxxx xxxxx 783 xxxx xxxxx
Potent Cap.: 144 xxxx 398 xxxx xxxx xxxxx xxxx xxxx xxxxx 835 xxxx xxxxx
Move Cap.: 141 xxxx 398 xxxx xxxx xxxxx xxxx xxxx xxxxx 835 xxxx xxxxx
Level Of Service Module:
Stopped Del:xxxxx xxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 9.3 xxxx xxxxx
LOS by Move: * * * * * * * A * *
Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT LT - LTR - RT
Shared Cap.: xxxx 214 xxxxx xxxx xxxx xxxxx xxxx xxxx xxxxx xxxx xxxx xxxxx
Shrd StpDel:xxxxx 23.5 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx 9.4 xxxx xxxxx
Shared LOS: * C * * * * * A * *
ApproachDel: 23.5 xxxxxxx xxxxxxx xxxxxxx
ApproachLOS: C * * *

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #53 158th/Jenkins

Cycle (sec): 100 Critical Vol./Cap. (X): 0.942
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 46.5
Optimal Cycle: 136 Level Of Service: D

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Protected Protected Protected Protected
Rights: Ovl Ovl Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 2 0 1 1 0 1 1 0 2 0 1 1 0

Volume Module:
Base Vol: 37 216 274 449 390 93 64 1084 31 517 1004 296
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 37 216 274 449 390 93 64 1084 31 517 1004 296
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 37 216 274 449 390 93 64 1084 31 517 1004 296
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 37 216 274 449 390 93 64 1084 31 517 1004 296
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 37 216 274 449 390 93 64 1084 31 517 1004 296

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.86 0.86 0.76 0.92 0.90 0.90 0.93 0.93 0.93 0.89 0.89 0.89
Lanes: 1.00 2.00 1.00 1.00 1.61 0.39 1.00 1.94 0.06 2.00 1.54 0.46
Final Sat.: 1626 3253 1449 1753 2748 655 1769 3426 98 3400 2615 771

Capacity Analysis Module:
Vol/Sat: 0.02 0.07 0.19 0.26 0.14 0.14 0.04 0.32 0.32 0.15 0.38 0.38
Crit Moves: ****
Green/Cycle: 0.05 0.07 0.23 0.27 0.30 0.34 0.04 0.34 0.34 0.16 0.45 0.45
Volume/Cap: 0.48 0.94 0.82 0.94 0.48 0.42 0.84 0.94 0.94 0.94 0.84 0.84
Uniform Del: 46.4 46.3 36.4 35.6 28.9 25.5 47.5 32.2 32.2 41.5 24.1 24.1
IncrmntDel: 4.7 43.4 14.2 27.2 0.4 0.2 54.5 14.4 14.4 24.7 4.5 4.5
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 51.1 89.6 50.6 62.8 29.3 25.8 102.0 46.6 46.6 66.2 28.6 28.6
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 51.1 89.6 50.6 62.8 29.3 25.8 102.0 46.6 46.6 66.2 28.6 28.6
DesignQueue: 2 11 12 19 16 4 3 43 1 25 33 10

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #54 170th/Merlo

Cycle (sec): 100 Critical Vol./Cap. (X): 0.718
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 27.8
Optimal Cycle: 74 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Permit+Prot Permit+Prot Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 1 0 1 1 0 0 1 0 1 0 0 1 0

Volume Module:
Base Vol: 22 472 367 100 640 15 10 12 15 783 22 144
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 22 472 367 100 640 15 10 12 15 783 22 144
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 22 472 367 100 640 15 10 12 15 783 22 144
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 22 472 367 100 640 15 10 12 15 783 22 144
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 22 472 367 100 640 15 10 12 15 783 22 144

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.25 0.97 0.83 0.43 0.96 0.96 0.94 0.91 0.91 0.90 0.85 0.85
Lanes: 1.00 1.00 1.00 1.00 0.98 0.02 1.00 0.44 0.56 2.00 0.13 0.87
Final Sat.: 474 1845 1568 824 1781 42 1787 767 958 3432 215 1405

Capacity Analysis Module:
Vol/Sat: 0.05 0.26 0.23 0.12 0.36 0.36 0.01 0.02 0.02 0.23 0.10 0.10
Crit Moves: ****
Green/Cycle: 0.47 0.41 0.41 0.55 0.49 0.49 0.02 0.02 0.02 0.31 0.32 0.32
Volume/Cap: 0.10 0.62 0.57 0.22 0.73 0.73 0.32 0.73 0.73 0.73 0.32 0.32
Uniform Del: 31.4 23.1 22.4 21.7 20.3 20.3 48.6 48.6 48.6 30.7 26.1 26.1
IncrmntDel: 0.2 1.5 1.2 0.2 3.2 3.2 6.1 54.2 54.2 2.7 0.4 0.4
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 31.5 24.6 23.6 21.9 23.4 23.4 54.6 103 102.9 33.4 26.5 26.5
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 31.5 24.6 23.6 21.9 23.4 23.4 54.6 103 102.9 33.4 26.5 26.5
DesignQueue: 1 16 13 5 20 0 1 1 1 32 1 6

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #56 TV Highway/Murray

Cycle (sec): 120 Critical Vol./Cap. (X): 0.714
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 22.2
Optimal Cycle: 74 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module:

Table with 12 columns representing different traffic movements. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 12 columns representing different traffic movements. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #57 Farmington/Hall

Cycle (sec): 100 Critical Vol./Cap. (X): 0.919
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 30.4
Optimal Cycle: 119 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module:

Table with 12 columns representing different traffic movements. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 12 columns representing different traffic movements. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #58 Canyon/Hall

Cycle (sec): 100 Critical Vol./Cap. (X): 0.850
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 26.7
Optimal Cycle: 91 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements and 10 rows of volume and adjustment factors.

Saturation Flow Module:

Table with 12 columns and 5 rows showing saturation flow and adjustment factors.

Capacity Analysis Module:

Table with 12 columns and 10 rows showing capacity analysis metrics like Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #59 Walker/173rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.871
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 36.1
Optimal Cycle: 106 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements and 10 rows of volume and adjustment factors.

Saturation Flow Module:

Table with 12 columns and 5 rows showing saturation flow and adjustment factors.

Capacity Analysis Module:

Table with 12 columns and 10 rows showing capacity analysis metrics like Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #60 170th/Baseline

Cycle (sec): 100 Critical Vol./Cap. (X): 0.987
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 53.3
Optimal Cycle: 166 Level Of Service: D

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Protected Protected Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 0 1 0 2 0 0 1 0 1 0 2 0 1

Volume Module:

Base Vol: 307 341 161 267 275 19 24 1073 237 161 1434 171
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 307 341 161 267 275 19 24 1073 237 161 1434 171
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 307 341 161 267 275 19 24 1073 237 161 1434 171
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 307 341 161 267 275 19 24 1073 237 161 1434 171
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 307 341 161 267 275 19 24 1073 237 161 1434 171

Saturation Flow Module:

Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.94 0.94 0.94 0.90 0.97 0.97 0.93 0.91 0.91 0.94 0.94 0.84
Lanes: 1.00 0.68 0.32 2.00 0.94 0.06 1.00 1.64 0.36 1.00 2.00 1.00
Final Sat.: 1787 1216 574 3432 1724 119 1769 2820 623 1787 3574 1599

Capacity Analysis Module:

Vol/Sat: 0.17 0.28 0.28 0.08 0.16 0.16 0.01 0.38 0.38 0.09 0.40 0.11
Crit Moves: ****
Green/Cycle: 0.19 0.28 0.28 0.08 0.17 0.17 0.02 0.39 0.39 0.09 0.46 0.46
Volume/Cap: 0.91 0.99 0.99 0.99 0.91 0.91 0.87 0.99 0.99 0.99 0.87 0.23
Uniform Del: 39.8 35.6 35.6 46.0 40.5 40.5 49.1 30.5 30.5 45.4 24.2 16.2
IncrementDel: 28.1 36.3 36.3 50.8 28.9 28.9 115.8 21.5 21.5 66.3 5.3 0.2
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 67.9 71.9 71.9 96.9 69.5 69.5 164.9 51.9 51.9 111.7 29.5 16.4
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 67.9 71.9 71.9 96.9 69.5 69.5 164.9 51.9 51.9 111.7 29.5 16.4
DesignQueue: 14 15 7 14 13 1 1 40 9 8 48 5

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #64 Cornell/173rd

Cycle (sec): 110 Critical Vol./Cap. (X): 0.983
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 56.5
Optimal Cycle: 178 Level Of Service: E

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Protected Protected Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 2 0 1 0 1 1 0 1 0 1 1 0 2 0 1

Volume Module:

Base Vol: 393 260 173 110 123 184 454 1456 349 299 1274 97
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 393 260 173 110 123 184 454 1456 349 299 1274 97
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 393 260 173 110 123 184 454 1456 349 299 1274 97
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 393 260 173 110 123 184 454 1456 349 299 1274 97
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 393 260 173 110 123 184 454 1456 349 299 1274 97

Saturation Flow Module:

Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.92 1.00 0.85 0.92 0.97 0.83 0.94 0.94 0.83 0.94 0.94 0.84
Lanes: 2.00 1.00 1.00 1.00 1.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 3502 1900 1615 1753 1845 1568 1787 3574 1586 1787 3574 1592

Capacity Analysis Module:

Vol/Sat: 0.11 0.14 0.11 0.06 0.07 0.12 0.25 0.41 0.22 0.17 0.36 0.06
Crit Moves: ****
Green/Cycle: 0.11 0.16 0.16 0.07 0.12 0.12 0.26 0.44 0.44 0.18 0.36 0.36
Volume/Cap: 0.98 0.85 0.67 0.85 0.56 0.98 0.98 0.93 0.50 0.93 0.98 0.17
Uniform Del: 48.6 45.0 43.5 50.4 45.7 48.3 40.5 29.1 22.1 44.3 34.7 23.8
IncrementDel: 40.4 20.4 6.6 39.4 3.2 60.6 37.3 9.7 0.6 31.4 20.9 0.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 89.0 65.3 50.1 89.8 48.9 109.0 77.9 38.8 22.7 75.8 55.7 23.9
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 89.0 65.3 50.1 89.8 48.9 109.0 77.9 38.8 22.7 75.8 55.7 23.9
DesignQueue: 22 14 9 6 7 10 22 55 13 16 54 4

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #66 Scholls Ferry/Cascade

Cycle (sec): 100 Critical Vol./Cap. (X): 0.934
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 32.7
Optimal Cycle: 128 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns representing different traffic volumes and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 11 columns for Sat/Lane and Adjustment, and 11 rows for Lanes and Final Sat.

Capacity Analysis Module:

Table with 11 columns for Vol/Sat, Crit Moves, Green/Cycle, etc., and 11 rows for Volume/Cap, Uniform Del, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #72 Canyon/Watson

Cycle (sec): 100 Critical Vol./Cap. (X): 0.909
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 30.4
Optimal Cycle: 114 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns representing different traffic volumes and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 11 columns for Sat/Lane and Adjustment, and 11 rows for Lanes and Final Sat.

Capacity Analysis Module:

Table with 11 columns for Vol/Sat, Crit Moves, Green/Cycle, etc., and 11 rows for Volume/Cap, Uniform Del, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #73 Farmington/Watson

Cycle (sec): 100 Critical Vol./Cap. (X): 0.878
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 27.6
Optimal Cycle: 100 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Split Phase Split Phase Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 0 0 0 0 0 1 1 1 0 0 0 1 1 0 1 0 2 0 0

Volume Module:
Base Vol: 0 0 0 284 725 140 0 1259 368 108 1642 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 284 725 140 0 1259 368 108 1642 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 0 0 284 725 140 0 1259 368 108 1642 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 284 725 140 0 1259 368 108 1642 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 0 0 284 725 140 0 1259 368 108 1642 0

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 1.00 1.00 1.00 0.86 0.86 0.86 1.00 0.90 0.90 0.93 0.93 1.00
Lanes: 0.00 0.00 0.00 0.74 1.89 0.37 0.00 1.55 0.45 1.00 2.00 0.00
Final Sat.: 0 0 0 1212 3093 597 0 2639 771 1769 3524 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.23 0.23 0.23 0.00 0.48 0.48 0.06 0.47 0.00
Crit Moves: ****
Green/Cycle: 0.00 0.00 0.00 0.27 0.27 0.27 0.00 0.54 0.54 0.07 0.61 0.00
Volume/Cap: 0.00 0.00 0.00 0.88 0.88 0.88 0.00 0.88 0.88 0.88 0.76 0.00
Uniform Del: 0.0 0.0 0.0 35.1 35.1 35.1 0.0 19.9 19.9 46.1 14.0 0.0
IncrementDel: 0.0 0.0 0.0 7.0 7.0 7.0 0.0 5.1 5.1 46.0 1.6 0.0
Delay Adj: 0.00 0.00 0.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 0.00
Delay/Veh: 0.0 0.0 0.0 42.1 42.1 42.1 0.0 25.1 25.1 92.1 15.6 0.0
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 42.1 42.1 42.1 0.0 25.1 25.1 92.1 15.6 0.0
DesignQueue: 0 0 0 12 31 6 0 36 11 6 40 0

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #76 Scholls Ferry/Denney

Cycle (sec): 100 Critical Vol./Cap. (X): 0.765
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 24.6
Optimal Cycle: 70 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Protected Protected Protected Permitted Permitted
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 0 1 0 1 0 1 0 1 0 0 0 1 0 0 0

Volume Module:
Base Vol: 90 743 2 5 733 429 235 3 83 2 1 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 90 743 2 5 733 429 235 3 83 2 1 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 90 743 2 5 733 429 235 3 83 2 1 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 90 743 2 5 733 429 235 3 83 2 1 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 90 743 2 5 733 429 235 3 83 2 1 0

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.93 0.97 0.97 0.93 0.98 0.83 0.74 0.74 0.74 0.90 0.90 1.00
Lanes: 1.00 0.99 0.01 1.00 1.00 1.00 0.73 0.01 0.26 0.67 0.33 0.00
Final Sat.: 1769 1842 5 1769 1862 1583 1026 13 362 1137 569 0

Capacity Analysis Module:
Vol/Sat: 0.05 0.40 0.40 0.00 0.39 0.27 0.23 0.23 0.23 0.00 0.00 0.00
Crit Moves: ****
Green/Cycle: 0.07 0.58 0.58 0.00 0.51 0.51 0.30 0.30 0.30 0.30 0.30 0.00
Volume/Cap: 0.77 0.70 0.70 0.70 0.77 0.53 0.77 0.77 0.77 0.01 0.01 0.00
Uniform Del: 45.9 15.0 15.0 49.7 19.5 16.2 31.8 31.8 31.8 24.6 24.6 0.0
IncrementDel: 25.4 2.1 2.1 149.8 3.7 0.6 8.2 8.2 8.2 0.0 0.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
Delay/Veh: 71.3 17.1 17.1 199.6 23.2 16.8 40.1 40.1 40.1 24.6 24.6 0.0
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 71.3 17.1 17.1 199.6 23.2 16.8 40.1 40.1 40.1 24.6 24.6 0.0
DesignQueue: 5 20 0 0 22 12 10 0 3 0 0 0

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #77 Farmington/Hocken

Cycle (sec): 100 Critical Vol./Cap. (X): 0.883
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 31.4
Optimal Cycle: 102 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Split Phase Split Phase Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 0 0 0 0 2 0 0 0 1 1 0 2 0 0 0 0 0 2 0 1

Volume Module:
Base Vol: 0 0 0 546 0 412 284 987 0 0 1270 91
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 546 0 412 284 987 0 0 1270 91
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 0 0 546 0 412 284 987 0 0 1270 91
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 546 0 412 284 987 0 0 1270 91
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 0 0 546 0 412 284 987 0 0 1270 91

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 1.00 1.00 1.00 0.91 1.00 0.84 0.93 0.93 1.00 1.00 0.93 0.83
Lanes: 0.00 0.00 0.00 2.00 0.00 1.00 1.00 2.00 0.00 0.00 2.00 1.00
Final Sat.: 0 0 0 3467 0 1599 1769 3538 0 0 3538 1570

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.16 0.00 0.26 0.16 0.28 0.00 0.00 0.36 0.06
Crit Moves: ****
Green/Cycle: 0.00 0.00 0.00 0.29 0.00 0.29 0.18 0.59 0.00 0.00 0.41 0.41
Volume/Cap: 0.00 0.00 0.00 0.54 0.00 0.88 0.88 0.47 0.00 0.00 0.88 0.14
Uniform Del: 0.0 0.0 0.0 29.8 0.0 33.8 39.9 11.8 0.0 0.0 27.5 18.7
IncrmntDel: 0.0 0.0 0.0 0.6 0.0 17.7 23.7 0.2 0.0 0.0 6.8 0.1
Delay Adj: 0.00 0.00 0.00 1.00 0.00 1.00 1.00 1.00 0.00 0.00 1.00 1.00
Delay/Veh: 0.0 0.0 0.0 30.4 0.0 51.5 63.6 11.9 0.0 0.0 34.3 18.8
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 30.4 0.0 51.5 63.6 11.9 0.0 0.0 34.3 18.8
DesignQueue: 0 0 0 22 0 17 13 24 0 0 46 3

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #78 TV Highway/Hocken

Cycle (sec): 100 Critical Vol./Cap. (X): 0.839
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 34.2
Optimal Cycle: 96 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Protected Protected Protected Protected
Rights: Include Ovl Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 0 1 0 1 0 1 0 1 1 0 3 0 1 1 0 2 1 0

Volume Module:
Base Vol: 0 191 144 167 499 343 191 1304 385 135 1490 65
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 191 144 167 499 343 191 1304 385 135 1490 65
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 191 144 167 499 343 191 1304 385 135 1490 65
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 191 144 167 499 343 191 1304 385 135 1490 65
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 191 144 167 499 343 191 1304 385 135 1490 65

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 1.00 0.91 0.91 0.93 0.98 0.83 0.92 0.88 0.82 0.93 0.89 0.89
Lanes: 1.00 0.57 0.43 1.00 1.00 1.00 1.00 3.00 1.00 1.00 2.87 0.13
Final Sat.: 1900 985 742 1769 1862 1583 1753 5037 1549 1769 4842 211

Capacity Analysis Module:
Vol/Sat: 0.00 0.19 0.19 0.09 0.27 0.22 0.11 0.26 0.25 0.08 0.31 0.31
Crit Moves: ****
Green/Cycle: 0.00 0.23 0.23 0.11 0.34 0.47 0.13 0.38 0.38 0.11 0.37 0.37
Volume/Cap: 0.00 0.84 0.84 0.84 0.78 0.46 0.84 0.68 0.65 0.68 0.84 0.84
Uniform Del: 0.0 36.7 36.7 43.5 29.4 17.7 42.5 25.6 25.3 42.6 29.0 29.0
IncrmntDel: 0.0 14.6 14.6 25.9 6.1 0.4 23.3 1.0 2.5 8.8 3.6 3.6
Delay Adj: 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 0.0 51.3 51.3 69.4 35.6 18.1 65.7 26.6 27.8 51.4 32.6 32.6
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 51.3 51.3 69.4 35.6 18.1 65.7 26.6 27.8 51.4 32.6 32.6
DesignQueue: 0 9 6 8 20 11 9 48 14 7 57 2

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #81 158th/Blueridge

Cycle (sec): 100 Critical Vol./Cap. (X): 0.977
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 38.8
Optimal Cycle: 162 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements and 10 rows of volume and adjustment factors.

Saturation Flow Module:

Table with 12 columns and 4 rows showing saturation flow and adjustment factors.

Capacity Analysis Module:

Table with 12 columns and 10 rows showing capacity analysis metrics like Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #83 158th/Jay

Cycle (sec): 100 Critical Vol./Cap. (X): 0.991
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 44.1
Optimal Cycle: 179 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 12 columns representing different traffic movements and 10 rows of volume and adjustment factors.

Saturation Flow Module:

Table with 12 columns and 4 rows showing saturation flow and adjustment factors.

Capacity Analysis Module:

Table with 12 columns and 10 rows showing capacity analysis metrics like Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #85 TV Highway/160th

Cycle (sec): 120 Critical Vol./Cap. (X): 0.902
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 34.8
Optimal Cycle: 130 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Table with 11 columns for Volume Module. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Table with 11 columns for Saturation Flow Module. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Table with 11 columns for Capacity Analysis Module. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #87 Hart/155th

Cycle (sec): 110 Critical Vol./Cap. (X): 0.515
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 15.9
Optimal Cycle: 33 Level Of Service: B

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Table with 11 columns for Volume Module. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Table with 11 columns for Saturation Flow Module. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Table with 11 columns for Capacity Analysis Module. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #88 Murray/Hart

Cycle (sec): 120 Critical Vol./Cap. (X): 0.978
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 40.4
Optimal Cycle: 180 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns representing different traffic movements and 11 rows representing various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 11 columns for Sat/Lane and 11 rows for Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 11 columns for Vol/Sat and 11 rows for Crit Moves, Green/Cycle, Volume/Cap, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #89 Murray/Scholls Ferry

Cycle (sec): 120 Critical Vol./Cap. (X): 0.927
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 49.2
Optimal Cycle: 145 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns representing different traffic movements and 11 rows representing various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module:

Table with 11 columns for Sat/Lane and 11 rows for Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 11 columns for Vol/Sat and 11 rows for Crit Moves, Green/Cycle, Volume/Cap, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #90 Scholls Ferry/Davies

Cycle (sec): 100 Critical Vol./Cap. (X): 0.698
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 18.1
Optimal Cycle: 75 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Protected Protected Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 1 0 1 1 0 0 1 1 0 0

Volume Module:
Base Vol: 64 19 195 51 19 30 32 1168 129 313 1551 114
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 64 19 195 51 19 30 32 1168 129 313 1551 114
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 64 19 195 51 19 30 32 1168 129 313 1551 114
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 64 19 195 51 19 30 32 1168 129 313 1551 114
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 64 19 195 51 19 30 32 1168 129 313 1551 114

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.94 0.99 0.84 0.94 0.90 0.90 0.93 0.92 0.92 0.94 0.93 0.93
Lanes: 1.00 1.00 1.00 1.00 0.39 0.61 1.00 1.80 0.20 1.00 1.86 0.14
Final Sat.: 1787 1881 1599 1787 662 1046 1769 3138 347 1787 3283 241

Capacity Analysis Module:
Vol/Sat: 0.04 0.01 0.12 0.03 0.03 0.03 0.02 0.37 0.37 0.18 0.47 0.47
Crit Moves: ****
Green/Cycle: 0.12 0.17 0.17 0.04 0.10 0.10 0.03 0.53 0.53 0.25 0.76 0.76
Volume/Cap: 0.30 0.06 0.70 0.70 0.30 0.30 0.63 0.70 0.70 0.70 0.63 0.63
Uniform Del: 40.2 34.4 38.8 47.3 42.1 42.1 48.0 17.3 17.3 34.0 5.7 5.7
IncrementDel: 0.8 0.1 7.6 25.7 1.0 1.0 21.9 1.2 1.2 4.8 0.5 0.5
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 41.0 34.5 46.3 73.0 43.1 43.1 69.9 18.5 18.5 38.8 6.1 6.1
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 41.0 34.5 46.3 73.0 43.1 43.1 69.9 18.5 18.5 38.8 6.1 6.1
DesignQueue: 3 1 9 3 1 2 2 33 4 14 24 2

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #92 Scholls Ferry/135th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.643
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 13.0
Optimal Cycle: 53 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Permitted Permitted Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 1 0 0 1 0 0 1 0 0 1 0 1 1 0 1 0 2 0 1

Volume Module:
Base Vol: 96 13 105 3 8 22 16 1273 144 117 1705 10
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 96 13 105 3 8 22 16 1273 144 117 1705 10
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 96 13 105 3 8 22 16 1273 144 117 1705 10
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 96 13 105 3 8 22 16 1273 144 117 1705 10
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 96 13 105 3 8 22 16 1273 144 117 1705 10

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.72 0.72 0.85 0.89 0.89 0.89 0.93 0.92 0.92 0.94 0.94 0.84
Lanes: 0.88 0.12 1.00 0.09 0.24 0.67 1.00 1.80 0.20 1.00 2.00 1.00
Final Sat.: 1200 162 1615 154 410 1126 1769 3131 354 1787 3574 1599

Capacity Analysis Module:
Vol/Sat: 0.08 0.08 0.07 0.02 0.02 0.02 0.01 0.41 0.41 0.07 0.48 0.01
Crit Moves: ****
Green/Cycle: 0.12 0.12 0.12 0.12 0.12 0.12 0.01 0.65 0.65 0.10 0.74 0.74
Volume/Cap: 0.64 0.64 0.52 0.16 0.16 0.16 0.64 0.62 0.62 0.62 0.64 0.01
Uniform Del: 41.7 41.7 41.0 39.1 39.1 39.1 49.0 10.3 10.3 42.9 6.4 3.4
IncrementDel: 8.2 8.2 2.5 0.4 0.4 0.4 45.7 0.6 0.6 6.5 0.5 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 49.9 49.9 43.5 39.5 39.5 39.5 94.7 10.8 10.8 49.3 6.9 3.4
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 49.9 49.9 43.5 39.5 39.5 39.5 94.7 10.8 10.8 49.3 6.9 3.4
DesignQueue: 5 1 5 0 0 1 1 27 3 6 28 0

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #93 Scholls Ferry/125th

Cycle (sec): 120 Critical Vol./Cap. (X): 0.981
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 51.4
Optimal Cycle: 180 Level Of Service: D

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Protected Protected Protected Protected
Rights: Include Ovl Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 1 0 1 1 0 1 0 1 1 0 1 0 2 0 1

Volume Module:
Base Vol: 243 165 277 197 117 313 132 1294 85 103 1787 157
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 243 165 277 197 117 313 132 1294 85 103 1787 157
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 243 165 277 197 117 313 132 1294 85 103 1787 157
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 243 165 277 197 117 313 132 1294 85 103 1787 157
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 243 165 277 197 117 313 132 1294 85 103 1787 157

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.95 1.00 0.85 0.94 0.99 0.84 0.95 0.94 0.94 0.95 0.95 0.85
Lanes: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.88 0.12 1.00 2.00 1.00
Final Sat.: 1805 1900 1615 1787 1881 1599 1805 3357 221 1805 3610 1615

Capacity Analysis Module:
Vol/Sat: 0.13 0.09 0.17 0.11 0.06 0.20 0.07 0.39 0.39 0.06 0.50 0.10
Crit Moves: ****
Green/Cycle: 0.15 0.17 0.17 0.11 0.14 0.21 0.07 0.50 0.50 0.07 0.50 0.50
Volume/Cap: 0.90 0.50 0.98 0.98 0.45 0.93 0.98 0.76 0.76 0.76 0.98 0.19
Uniform Del: 50.1 44.7 49.3 53.1 47.7 46.4 55.4 24.0 24.0 54.5 29.1 16.3
IncrmntDel: 29.2 1.2 48.0 57.7 1.3 30.5 71.4 2.0 2.0 22.4 16.7 0.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 79.2 45.9 97.3 110.8 48.9 76.9 126.8 25.9 25.9 76.9 45.8 16.4
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 79.2 45.9 97.3 110.8 48.9 76.9 126.8 25.9 25.9 76.9 45.8 16.4
DesignQueue: 14 9 16 12 7 17 8 47 3 6 67 5

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #94 Scholls Ferry/121st

Cycle (sec): 140 Critical Vol./Cap. (X): 0.919
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 37.0
Optimal Cycle: 143 Level Of Service: D

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Permitted Permitted Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 1 0 0 1 0 0 1 0 0 1 0 2 0 1

Volume Module:
Base Vol: 259 39 151 41 15 11 24 1318 406 313 2161 69
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 259 39 151 41 15 11 24 1318 406 313 2161 69
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 259 39 151 41 15 11 24 1318 406 313 2161 69
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 259 39 151 41 15 11 24 1318 406 313 2161 69
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 259 39 151 41 15 11 24 1318 406 313 2161 69

Saturation Flow Module:
Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
Adjustment: 0.71 0.71 0.85 0.51 0.51 0.51 0.94 0.94 0.84 0.94 0.94 0.84
Lanes: 0.87 0.13 1.00 0.62 0.22 0.16 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 1164 175 1615 590 216 158 1787 3574 1599 1787 3574 1599

Capacity Analysis Module:
Vol/Sat: 0.22 0.22 0.09 0.07 0.07 0.07 0.01 0.37 0.25 0.18 0.60 0.04
Crit Moves: ****
Green/Cycle: 0.24 0.24 0.24 0.24 0.24 0.24 0.01 0.46 0.46 0.22 0.66 0.66
Volume/Cap: 0.92 0.92 0.39 0.29 0.29 0.29 0.92 0.81 0.56 0.81 0.92 0.07
Uniform Del: 51.7 51.7 44.4 43.2 43.2 43.2 68.9 32.8 27.8 52.1 20.7 8.6
IncrmntDel: 30.1 30.1 0.6 0.7 0.7 0.7 140.5 3.1 1.0 12.0 6.5 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay/Veh: 81.9 81.9 45.0 43.9 43.9 43.9 209.4 36.0 28.7 64.1 27.2 8.6
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 81.9 81.9 45.0 43.9 43.9 43.9 209.4 36.0 28.7 64.1 27.2 8.6
DesignQueue: 16 2 9 2 1 1 2 61 18 20 68 2

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #95 Scholls Ferry/Conestoga

Cycle (sec): 120 Critical Vol./Cap. (X): 0.774
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 12.5
Optimal Cycle: 86 Level Of Service: B

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 12 columns for different traffic movements and 10 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 12 columns for movements and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 12 columns for movements and 10 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #102 Scholls Ferry/Laurelwood

Cycle (sec): 100 Critical Vol./Cap. (X): 0.620
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 9.0
Optimal Cycle: 49 Level Of Service: A

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 12 columns for different traffic movements and 10 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 12 columns for movements and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 12 columns for movements and 10 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #103 Canyon/Lombard

Cycle (sec): 100 Critical Vol./Cap. (X): 0.945
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 44.1
Optimal Cycle: 138 Level Of Service: D

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns for traffic volumes and 11 rows for various adjustment factors like Growth Adj, Initial Bse, User Adj, etc.

Saturation Flow Module:

Table with 11 columns for saturation flow and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 11 columns for capacity analysis and 11 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #105 Canyon/117th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.745
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 24.5
Optimal Cycle: 76 Level Of Service: C

Table with 4 columns: Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns for traffic volumes and 11 rows for various adjustment factors like Growth Adj, Initial Bse, User Adj, etc.

Saturation Flow Module:

Table with 11 columns for saturation flow and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 11 columns for capacity analysis and 11 rows for Vol/Sat, Crit Moves, Green/Cycle, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #114 ORE 217 SB Ramp/Canyon

Cycle (sec): 100 Critical Vol./Cap. (X): 0.772
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 25.6
Optimal Cycle: 71 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 11 columns representing different traffic volumes and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 11 columns for Sat/Lane and 11 rows for Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 11 columns for Vol/Sat and 11 rows for Crit Moves, Green/Cycle, Volume/Cap, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #115 ORE 217 NB Ramp/Canyon

Cycle (sec): 100 Critical Vol./Cap. (X): 0.745
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 26.2
Optimal Cycle: 66 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 11 columns representing different traffic volumes and 11 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module table with 11 columns for Sat/Lane and 11 rows for Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 11 columns for Vol/Sat and 11 rows for Crit Moves, Green/Cycle, Volume/Cap, etc.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #116 ORE 217 SB Ramp/Farmington

Cycle (sec): 100 Critical Vol./Cap. (X): 0.848
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 29.9
Optimal Cycle: 90 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L-T-R). Rows include Control, Rights, Min. Green, and Lanes.

Table with 11 columns for Volume Module. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Table with 11 columns for Saturation Flow Module. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Table with 11 columns for Capacity Analysis Module. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #117 ORE 217 NB Ramp/Farmington

Cycle (sec): 100 Critical Vol./Cap. (X): 0.781
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 27.4
Optimal Cycle: 73 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L-T-R). Rows include Control, Rights, Min. Green, and Lanes.

Table with 11 columns for Volume Module. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Table with 11 columns for Saturation Flow Module. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Table with 11 columns for Capacity Analysis Module. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #118 ORE 217 SB Ramp/Allen

Cycle (sec): 100 Critical Vol./Cap. (X): 0.929
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 37.1
Optimal Cycle: 125 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Table with 12 columns for Volume Module. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Table with 12 columns for Saturation Flow Module. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Table with 12 columns for Capacity Analysis Module. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #119 ORE 217 NB Ramp/Allen

Cycle (sec): 100 Critical Vol./Cap. (X): 0.950
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 37.2
Optimal Cycle: 139 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Table with 12 columns for Volume Module. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Table with 12 columns for Saturation Flow Module. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Table with 12 columns for Capacity Analysis Module. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #120 ORE 217 SB Ramp/Denney

Cycle (sec): 100 Critical Vol./Cap. (X): 0.938
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 40.1
Optimal Cycle: 130 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Table with 12 columns for Volume Module. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Table with 12 columns for Saturation Flow Module. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Table with 12 columns for Capacity Analysis Module. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #121 ORE 217 NB Ramp/Denney

Cycle (sec): 100 Critical Vol./Cap. (X): 0.881
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 42.1
Optimal Cycle: 101 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Table with 12 columns for Volume Module. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Table with 12 columns for Saturation Flow Module. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Table with 12 columns for Capacity Analysis Module. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #122 ORE 217 SB off Ramp/Hall/Cascade

Cycle (sec): 120 Critical Vol./Cap. (X): 0.884
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 41.0
Optimal Cycle: 121 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L-T-R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns representing different traffic volumes and adjustments (Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Vol).

Saturation Flow Module:

Table with 11 columns representing saturation flow values for different lanes and adjustments.

Capacity Analysis Module:

Table with 11 columns representing capacity analysis metrics (Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, DesignQueue).

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #123 ORE 217 NB on Ramp/Scholls Ferry

Cycle (sec): 100 Critical Vol./Cap. (X): 0.965
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 42.7
Optimal Cycle: 151 Level Of Service: D

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L-T-R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module:

Table with 11 columns representing different traffic volumes and adjustments (Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Vol).

Saturation Flow Module:

Table with 11 columns representing saturation flow values for different lanes and adjustments.

Capacity Analysis Module:

Table with 11 columns representing capacity analysis metrics (Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, DesignQueue).

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #125 ORE 217 NB off Ramp/Scholls Ferry

Cycle (sec): 100 Critical Vol./Cap. (X): 0.678
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 20.1
Optimal Cycle: 46 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Table with 12 columns for Volume Module. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Table with 12 columns for Saturation Flow Module. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Table with 12 columns for Capacity Analysis Module. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #129 ORE 217 NB Ramp/Walker

Cycle (sec): 80 Critical Vol./Cap. (X): 0.828
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 27.4
Optimal Cycle: 77 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Table with 12 columns for Volume Module. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Table with 12 columns for Saturation Flow Module. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Table with 12 columns for Capacity Analysis Module. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #130 ORE 217 SB Ramp/Walker

Cycle (sec): 80 Critical Vol./Cap. (X): 0.798
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 18.6
Optimal Cycle: 71 Level Of Service: B

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 10 columns for different traffic flows. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module table with 10 columns for different traffic flows. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 10 columns for different traffic flows. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #131 Scholls Ferry/ORE 217 SB on Ramp

Cycle (sec): 120 Critical Vol./Cap. (X): 0.784
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 34.0
Optimal Cycle: 89 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, and Lanes.

Volume Module table with 10 columns for different traffic flows. Rows include Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module table with 10 columns for different traffic flows. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 10 columns for different traffic flows. Rows include Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Uniform Del, IncremntDel, Delay Adj, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue.