

## **APPENDIX S**

### **SITE ACCESS AND PROJECT DRIVEWAY LEVEL OF SERVICE CALCULATION WORKSHEETS**

**APPENDIX S-1**

**YEAR 2013 WITH PROJECT TRAFFIC CONDITIONS**

AM Cumulative Plus Project (Year 2013)  
 ARTIC, Anaheim [2.10.3123.1]  
 Linscott, Law & Greenspan, Engineers

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

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 Intersection #9 Douglass Road at Katella Avenue  
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Cycle (sec): 100 Critical Vol./Cap. (X): 0.483  
 Loss Time (sec): 16 Average Delay (sec/veh): 34.6  
 Optimal Cycle: 100 Level Of Service: C

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Street Name:	Douglass Road						Katella Avenue					
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:	34	34	34	6	6	6	6	25	25	6	28	28
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	1	1	0	1	2	0	3	0	1	2

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Volume Module:

Base Vol:	36	17	7	108	12	57	409	980	58	20	989	100
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:	36	17	7	108	12	57	409	980	58	20	989	100
Added Vol:	104	7	18	0	26	0	-2	101	302	109	-5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	140	24	25	108	38	57	407	1081	360	129	984	100
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:	140	24	25	108	38	57	407	1081	360	129	984	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	24	25	108	38	57	407	1081	360	129	984	100
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
FinalVolume:	140	24	25	108	38	57	407	1081	360	129	984	100

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Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.95	0.91	0.91	0.92	0.91	0.85	0.92	0.91	0.85
Lanes:	2.00	0.98	1.02	1.00	0.80	1.20	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3502	1720	1791	1805	1383	2075	3502	5187	1615	3502	5187	1615

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Capacity Analysis Module:

Vol/Sat:	0.04	0.01	0.01	0.06	0.03	0.03	0.12	0.21	0.22	0.04	0.19	0.06
Crit Moves:	****			****			****				****	
Green Time:	34.0	34.0	34.0	7.5	7.5	7.5	14.5	34.3	34.3	8.2	28.0	28.0
Volume/Cap:	0.12	0.04	0.04	0.80	0.37	0.37	0.80	0.61	0.65	0.45	0.68	0.22
Delay/Veh:	22.7	22.1	22.1	73.3	44.9	44.9	50.1	27.9	30.5	44.8	33.3	27.9
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:	22.7	22.1	22.1	73.3	44.9	44.9	50.1	27.9	30.5	44.8	33.3	27.9
LOS by Move:	C	C	C	E	D	D	D	C	C	D	C	C
HCM2k95thQ:	3	1	1	10	4	4	16	19	19	5	20	5

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AM Cumulative Plus Project (Year 2013)
ARTIC, Anaheim [2.10.3123.1]
Linscott, Law & Greenspan, Engineers

Level Of Service Computation Report

2000 HCM Unsignalized Method (Future Volume Alternative)

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Intersection #13 A. Douglass Road at Project Driveway 1

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Average Delay (sec/veh): 0.2 Worst Case Level Of Service: A [ 8.6]

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Street Name: Douglass Road Project Driveway 1

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Control: Uncontrolled Uncontrolled Stop Sign Stop Sign

Rights: Include Include Include Include

Lanes: 0 0 3 1 0 0 0 2 0 0 0 0 0 0 0 0 1

Volume Module:

Table with 13 columns for traffic movements and 13 rows for volume metrics including Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, and Final Volume.

Critical Gap Module:

Table with 13 columns for traffic movements and 2 rows for Critical Gap and FollowUpTim.

Capacity Module:

Table with 13 columns for traffic movements and 4 rows for Capacity metrics including Cnflct Vol, Potent Cap., Move Cap., and Volume/Cap.

Level Of Service Module:

Table with 13 columns for traffic movements and 10 rows for Level Of Service metrics including 2Way95thQ, Control Del, LOS by Move, Shared Cap., Shrd ConDel, Shared LOS, ApproachDel, and ApproachLOS.

Note: Queue reported is the number of cars per lane.

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AM Cumulative Plus Project (Year 2013)  
 ARTIC, Anaheim [2.10.3123.1]  
 Linscott, Law & Greenspan, Engineers

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

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 Intersection #14 B. Douglass Road at Project Driveway 2  
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Cycle (sec): 90 Critical Vol./Cap.(X): 0.177  
 Loss Time (sec): 8 Average Delay (sec/veh): 4.0  
 Optimal Cycle: 90 Level Of Service: A  
 \*\*\*\*\*

Street Name:	Douglass Road						Project Driveway 2					
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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	6	0	0	6	0	0	0	0	0	0	6
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	0	2	0	0	0	0	0	2

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	0	60	0	0	90	0	0	0	0	0	0	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	60	0	0	90	0	0	0	0	0	0	0
Added Vol:	0	65	0	0	437	0	0	0	0	0	0	44
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	125	0	0	527	0	0	0	0	0	0	44
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	125	0	0	527	0	0	0	0	0	0	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	125	0	0	527	0	0	0	0	0	0	44
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
FinalVolume:	0	125	0	0	527	0	0	0	0	0	0	44

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.95	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.75
Lanes:	0.00	2.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
Final Sat.:	0	3610	0	0	3610	0	0	0	0	0	0	2842

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.00	0.03	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Crit Moves:				****						****		
Green Time:	0.0	74.1	0.0	0.0	74.1	0.0	0.0	0.0	0.0	0.0	0.0	7.9
Volume/Cap:	0.00	0.04	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.18
Delay/Veh:	0.0	1.5	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	38.4
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:	0.0	1.5	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	38.4
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	D
HCM2k95thQ:	0	1	0	0	3	0	0	0	0	0	0	2

AM Cumulative Plus Project (Year 2013)  
 ARTIC, Anaheim [2.10.3123.1]  
 Linscott, Law & Greenspan, Engineers

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

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 Intersection #15 C. Douglass Road at Project Driveway 3  
 \*\*\*\*\*

Cycle (sec): 90 Critical Vol./Cap. (X): 0.197  
 Loss Time (sec): 12 Average Delay (sec/veh): 9.7  
 Optimal Cycle: 90 Level Of Service: A  
 \*\*\*\*\*

Street Name:		Douglass Road						Project Driveway 3													
Approach:		North Bound			South Bound			East Bound			West Bound										
Movement:		L	T	R	L	T	R	L	T	R	L	T	R								
Control:		Permitted			Protected			Split Phase			Split Phase										
Rights:		Include			Include			Include			Include										
Min. Green:		0	6	6	6	6	6	6	6	6	0	0	0								
Y+R:		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0								
Lanes:		0	0	1	1	0	1	0	2	1	0	1	0	0	0	0	0	0	0	0	0

Volume Module:

Base Vol:	0	60	0	0	90	13	2	0	0	0	0	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	60	0	0	90	13	2	0	0	0	0	0
Added Vol:	0	65	0	244	193	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	125	0	244	283	13	2	0	0	0	0	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	125	0	244	283	13	2	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	125	0	244	283	13	2	0	0	0	0	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 Volume:	0	125	0	244	283	13	2	0	0	0	0	0

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.95	0.95	0.95	0.90	0.90	0.95	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	2.00	0.00	1.00	2.87	0.13	1.00	0.00	0.00	0.00	0.00	0.00
Final Sat.:	0	3610	0	1805	4924	226	1805	0	0	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.03	0.00	0.14	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Crit Moves:	****			****			****					
Green Time:	0.0	14.7	0.0	57.3	72.0	72.0	6.0	0.0	0.0	0.0	0.0	0.0
Volume/Cap:	0.00	0.21	0.00	0.21	0.07	0.07	0.02	0.00	0.00	0.00	0.00	0.00
Delay/Veh:	0.0	32.8	0.0	7.0	1.9	1.9	39.3	0.0	0.0	0.0	0.0	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	32.8	0.0	7.0	1.9	1.9	39.3	0.0	0.0	0.0	0.0	0.0
LOS by Move:	A	C	A	A	A	A	D	A	A	A	A	A
HCM2k95thQ:	0	3	0	6	1	0	0	0	0	0	0	0

AM Cumulative Plus Project (Year 2013)
ARTIC, Anaheim [2.10.3123.1]
Linscott, Law & Greenspan, Engineers

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

Intersection #16 D. Douglass Road at Project Driveway 4

Average Delay (sec/veh): 1.1 Worst Case Level Of Service: A[ 8.7]

Table with columns for Street Name, Approach, Movement, Control, Rights, Lanes, and Volume Module. Rows include Douglass Road and Project Driveway 4 with various traffic parameters.

Volume Module table showing Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, and Final Volume for each approach.

Critical Gap Module table showing Critical Gp and FollowUpTim values for each approach.

Capacity Module table showing Cnflct Vol, Potent Cap., Move Cap., and Volume/Cap for each approach.

Level Of Service Module table showing 2Way95thQ, Control Del, LOS by Move, Movement, Shared Cap., SharedQueue, Shrd ConDel, Shared LOS, ApproachDel, and ApproachLOS for each approach.

Note: Queue reported is the number of cars per lane.

AM Cumulative Plus Project (Year 2013)  
 ARTIC, Anaheim [2.10.3123.1]  
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Level Of Service Computation Report  
 2000 HCM Operations Method (Future Volume Alternative)

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Intersection #17 E. Douglass Road at Project Driveway 5

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Cycle (sec): 90 Critical Vol./Cap. (X): 0.108  
 Loss Time (sec): 8 Average Delay (sec/veh): 7.9  
 Optimal Cycle: 90 Level Of Service: A

\*\*\*\*\*

Street Name: Douglass Road Project Driveway 5  
 Approach: North Bound South Bound East Bound West Bound  
 Movement: L - T - R L - T - R L - T - R L - T - R

Control:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	6	6	6	6	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1 1 0	1	0	2 0 0	0	0	0 0 0	0	0	0 0 0

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Volume Module:

Base Vol:	0	60	0	0	90	0	0	0	0	0	0	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	60	0	0	90	0	0	0	0	0	0	0
Added Vol:	0	13	0	141	51	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	73	0	141	141	0	0	0	0	0	0	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	73	0	141	141	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	73	0	141	141	0	0	0	0	0	0	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
FinalVolume:	0	73	0	141	141	0	0	0	0	0	0	0

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Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	2.00	0.00	1.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Final Sat.:	0	3610	0	1805	3610	0	0	0	0	0	0	0

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Capacity Analysis Module:

Vol/Sat:	0.00	0.02	0.00	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Moves:	****			****								
Green Time:	0.0	16.9	0.0	65.1	82.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Volume/Cap:	0.00	0.11	0.00	0.11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delay/Veh:	0.0	30.4	0.0	3.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	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	30.4	0.0	3.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOS by Move:	A	C	A	A	A	A	A	A	A	A	A	A
HCM2k95thQ:	0	2	0	2	0	0	0	0	0	0	0	0

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AM Cumulative Plus Project (Year 2013)  
 ARTIC, Anaheim [2.10.3123.1]  
 Linscott, Law & Greenspan, Engineers

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

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*****
Intersection #18 F. Douglass Road at Project Driveway 6
*****
Average Delay (sec/veh):      2.3      Worst Case Level Of Service: A[ 8.5]
*****
Street Name:      Douglass Road      Project Driveway 6
Approach:      North Bound      South Bound      East Bound      West Bound
Movement:      L - T - R      L - T - R      L - T - R      L - T - R
-----|-----|-----|-----|
Control:      Uncontrolled      Uncontrolled      Stop Sign      Stop Sign
Rights:      Include      Include      Include      Include
Lanes:      0 0 1 1 0      1 0 2 0 0      0 0 0 0 0      0 0 0 0 1
-----|-----|-----|-----|
Volume Module:
Base Vol:      0 60 0      0 90 0      0 0 0      0 0 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 60 0      0 90 0      0 0 0      0 0 0
Added Vol:    0 0 0      51 0 0      0 0 0      0 0 13
PasserByVol:  0 0 0      0 0 0      0 0 0      0 0 0
Initial Fut:  0 60 0      51 90 0      0 0 0      0 0 13
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 60 0      51 90 0      0 0 0      0 0 13
Reduct Vol:  0 0 0      0 0 0      0 0 0      0 0 0
FinalVolume: 0 60 0      51 90 0      0 0 0      0 0 13
-----|-----|-----|-----|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx  4.1 xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxx  6.9
FollowUpTim:xxxxx xxxx xxxxxx  2.2 xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxx  3.3
-----|-----|-----|-----|
Capacity Module:
Cnflct Vol:  xxxx xxxx xxxxxx  60 xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxx xxxx  30
Potent Cap.: xxxx xxxx xxxxxx 1556 xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxx xxxx 1044
Move Cap.:   xxxx xxxx xxxxxx 1556 xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxx xxxx 1044
Volume/Cap:  xxxx xxxx xxxxxx  0.03 xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxx xxxx  0.01
-----|-----|-----|-----|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxxx  0.1 xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxx xxxx  0.0
Control Del:xxxxx xxxx xxxxxx  7.4 xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxxxx xxxx  8.5
LOS by Move: * * *      A * *      * * *      * * *      A
Movement:   LT - LTR - RT      LT - LTR - RT      LT - LTR - RT      LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxxx xxxx xxxx xxxxxx xxxx xxxx xxxxxx xxxx xxxx xxxxxx
SharedQueue:xxxxx xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxx xxxxxx
Shrd ConDel:xxxxx xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxx xxxxxx xxxxxx xxxx xxxxxx
Shared LOS:  * * *      * * *      * * *      * * *      *
ApproachDel: xxxxxx      xxxxxx      xxxxxx      8.5
ApproachLOS: *      *      *      A
*****
Note: Queue reported is the number of cars per lane.
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AM Cumulative Plus Project (Year 2013)  
 ARTIC, Anaheim [2.10.3123.1]  
 Linscott, Law & Greenspan, Engineers

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

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 Intersection #19 G. Project Driveway 7 at Katella Avenue  
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Average Delay (sec/veh): 0.0 Worst Case Level Of Service: B [ 10.8]  
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Street Name:	Project Driveway 7						Katella Avenue									
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	0	0	0	0	0	0	3	0	1	0	0	3	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	0	0	0	0	0	0	0	1095	0	0	1109	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	0	0	0	0	1095	0	0	1109	0
Added Vol:	0	0	10	0	0	0	0	10	109	0	105	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	10	0	0	0	0	1105	109	0	1214	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	10	0	0	0	0	1105	109	0	1214	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	0	10	0	0	0	0	1105	109	0	1214	0

Critical Gap Module:	North Bound			South Bound			East Bound			West Bound		
Critical Gp:	xxxxx	xxxx	6.9	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	3.3	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx

Capacity Module:	North Bound			South Bound			East Bound			West Bound		
Cnflct Vol:	xxxx	xxxx	368	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	635	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	635	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	0.02	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx

Level Of Service Module:	North Bound			South Bound			East Bound			West Bound		
2Way95thQ:	xxxx	xxxx	0.0	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	xxxxx	xxxx	10.8	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	B	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	10.8			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:		B			*			*			*	

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 Note: Queue reported is the number of cars per lane.  
 \*\*\*\*\*

PM Cumulative Plus Project (Year 2013)  
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 Linscott, Law & Greenspan, Engineers

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

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 Intersection #9 Douglass Road at Katella Avenue  
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Cycle (sec): 100 Critical Vol./Cap. (X): 0.633  
 Loss Time (sec): 16 Average Delay (sec/veh): 36.7  
 Optimal Cycle: 100 Level Of Service: D  
 \*\*\*\*\*

Street Name:	Douglass Road						Katella Avenue					
	North Bound			South Bound			East Bound			West Bound		
Approach:	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	34	34	34	6	6	6	6	25	25	6	28	28
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	0	1	1	1	2	0	3	0	1	1

Volume Module:

Base Vol:	116	25	15	151	5	418	124	1022	44	31	1248	162
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:	116	25	15	151	5	418	124	1022	44	31	1248	162
Added Vol:	331	21	57	0	6	-3	-2	13	68	24	-13	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	447	46	72	151	11	415	122	1035	112	55	1235	162
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:	447	46	72	151	11	415	122	1035	112	55	1235	162
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	447	46	72	151	11	415	122	1035	112	55	1235	162
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
FinalVolume:	447	46	72	151	11	415	122	1035	112	55	1235	162

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.91	0.91	0.95	0.85	0.85	0.92	0.91	0.85	0.92	0.91	0.85
Lanes:	2.00	0.78	1.22	1.00	0.05	1.95	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3502	1347	2108	1805	84	3161	3502	5187	1615	3502	5187	1615

Capacity Analysis Module:

Vol/Sat:	0.13	0.03	0.03	0.08	0.13	0.13	0.03	0.20	0.07	0.02	0.24	0.10
Crit Moves:	****			****			****			****		
Green Time:	34.0	34.0	34.0	15.6	15.6	15.6	6.0	27.7	27.7	6.7	28.4	28.4
Volume/Cap:	0.38	0.10	0.10	0.53	0.84	0.84	0.58	0.72	0.25	0.24	0.84	0.35
Delay/Veh:	25.2	22.6	22.6	40.8	52.8	52.8	49.8	34.4	28.4	44.8	38.2	29.0
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:	25.2	22.6	22.6	40.8	52.8	52.8	49.8	34.4	28.4	44.8	38.2	29.0
LOS by Move:	C	C	C	D	D	D	D	C	C	D	D	C
HCM2k95thQ:	10	2	2	10	17	17	6	21	6	2	27	8

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 Linscott, Law & Greenspan, Engineers

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

\*\*\*\*\*  
 Intersection #13 A. Douglass Road at Project Driveway 1  
 \*\*\*\*\*

Average Delay (sec/veh): 0.8 Worst Case Level Of Service: A[ 9.3]  
 \*\*\*\*\*

Street Name: Douglass Road Project Driveway 1

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L - T - R					L - T - R					L - T - R					L - T - R				
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	3	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1

Volume Module:

Base Vol:	0	156	0	0	80	0	0	0	0	0	0	0	0	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	1.00	1.00
Initial Bse:	0	156	0	0	80	0	0	0	0	0	0	0	0	0
Added Vol:	0	347	0	0	98	0	0	0	0	0	0	0	0	62
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	503	0	0	178	0	0	0	0	0	0	0	0	62
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	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	1.00	1.00
PHF Volume:	0	503	0	0	178	0	0	0	0	0	0	0	0	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	503	0	0	178	0	0	0	0	0	0	0	0	62

Critical Gap Module:

Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxx	6.9
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxx	3.3

Capacity Module:

Cnflct Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	126
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	908
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	908
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.07

Level Of Service Module:

2Way95thQ:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	0.2
Control Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	9.3
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	A
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			xxxxxxx			xxxxxxx			9.3		
ApproachLOS:	*			*			*			A		

\*\*\*\*\*  
 Note: Queue reported is the number of cars per lane.  
 \*\*\*\*\*

PM Cumulative Plus Project (Year 2013)
ARTIC, Anaheim [2.10.3123.1]
Linscott, Law & Greenspan, Engineers

Level of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

\*\*\*\*\*
Intersection #14 B. Douglass Road at Project Driveway 2
\*\*\*\*\*

Cycle (sec): 90 Critical Vol./Cap. (X): 0.164
Loss Time (sec): 8 Average Delay (sec/veh): 10.7
Optimal Cycle: 90 Level of Service: B
\*\*\*\*\*

Table with columns for Street Name, Approach, Movement, Control, Rights, Min. Green, Y+R, Lanes. Rows include Douglass Road and Project Driveway 2 with various traffic movement details.

Volume Module: Table showing traffic volume adjustments including Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume.

Saturation Flow Module: Table showing Sat/Lane, Adjustment, Lanes, Final Sat. values for different traffic movements.

Capacity Analysis Module: Table showing Vol/Sat, Crit Moves, Green Time, Volume/Cap, Delay/Veh, User DelAdj, AdjDel/Veh, LOS by Move, HCM2k95thQ.

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

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Intersection #15 C. Douglass Road at Project Driveway 3

\*\*\*\*\*

Cycle (sec): 90 Critical Vol./Cap.(X): 0.158  
 Loss Time (sec): 12 Average Delay (sec/veh): 9.1  
 Optimal Cycle: 90 Level Of Service: A

\*\*\*\*\*

Street Name: Douglass Road						Project Driveway 3										
Approach: North Bound			South Bound			East Bound			West Bound							
Movement:	L	T	R	L	T	R	L	T	R	L	T	R				
Control:	Permitted			Protected			Split Phase			Split Phase						
Rights:	Include			Include			Include			Include						
Min. Green:	0	6	6	6	6	6	6	6	6	0	0	0				
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0				
Lanes:	0	0	1	1	0	1	0	2	1	0	1	0	0	0	0	0

Volume Module:

Base Vol:	0	156	0	0	80	5	10	0	0	0	0	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	156	0	0	80	5	10	0	0	0	0	0
Added Vol:	0	207	0	55	43	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	363	0	55	123	5	10	0	0	0	0	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	363	0	55	123	5	10	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	363	0	55	123	5	10	0	0	0	0	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
FinalVolume:	0	363	0	55	123	5	10	0	0	0	0	0

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.95	0.95	0.95	0.90	0.90	0.95	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	2.00	0.00	1.00	2.88	0.12	1.00	0.00	0.00	0.00	0.00	0.00
Final Sat.:	0	3610	0	1805	4954	201	1805	0	0	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.10	0.00	0.03	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00
Crit Moves:	****			****			****					
Green Time:	0.0	55.3	0.0	16.7	72.0	72.0	6.0	0.0	0.0	0.0	0.0	0.0
Volume/Cap:	0.00	0.16	0.00	0.16	0.03	0.03	0.08	0.00	0.00	0.00	0.00	0.00
Delay/Veh:	0.0	7.5	0.0	31.0	1.8	1.8	39.7	0.0	0.0	0.0	0.0	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	7.5	0.0	31.0	1.8	1.8	39.7	0.0	0.0	0.0	0.0	0.0
LOS by Move:	A	A	A	C	A	A	D	A	A	A	A	A
HCM2k95thQ:	0	4	0	3	1	0	1	0	0	0	0	0

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Intersection #16 D. Douglass Road at Project Driveway 4

Average Delay (sec/veh): 3.3 Worst Case Level Of Service: A[ 9.6]

Table with columns: Street Name, Approach, Movement, Control, Rights, Lanes. Rows include Douglass Road and Project Driveway 4 with various approach and movement details.

Volume Module table with columns for Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Final Volume across different approaches.

Critical Gap Module table with columns for Critical Gap and FollowUpTim, showing values like 6.9 and 3.3.

Capacity Module table with columns for Cnflct Vol, Potent Cap., Move Cap., Volume/Cap, showing values like 99, 945, 945, and 0.18.

Level Of Service Module table with columns for 2Way95thQ, Control Del, LOS by Move, Movement, Shared Cap., Shared Queue, Shrd ConDel, Shared LOS, Approach Del, Approach LOS, showing values like 0.6, 9.6, A, and 9.6.

Note: Queue reported is the number of cars per lane.

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Linscott, Law & Greenspan, Engineers

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

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Intersection #17 E. Douglass Road at Project Driveway 5

\*\*\*\*\*

Cycle (sec): 90 Critical Vol./Cap.(X): 0.079
Loss Time (sec): 8 Average Delay (sec/veh): 5.7
Optimal Cycle: 90 Level Of Service: A

\*\*\*\*\*

Table with columns for Street Name, Approach, Movement, Control, Rights, Min. Green, Y+R, Lanes. Rows include Douglass Road and Project Driveway 5 with various traffic parameters.

Volume Module:

Table with columns for Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume.

Saturation Flow Module:

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

Capacity Analysis Module:

Table with columns for Vol/Sat, Crit Moves, Green Time, Volume/Cap, Delay/Veh, User DelAdj, AdjDel/Veh, LOS by Move, HCM2k95thQ.

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2000 HCM Unsignalized Method (Future Volume Alternative)

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Intersection #18 F. Douglass Road at Project Driveway 6
\*\*\*\*\*

Average Delay (sec/veh): 1.6 Worst Case Level Of Service: A[ 8.9]
\*\*\*\*\*

Table with columns for Street Name, Approach, Movement, Control, Rights, Lanes, and Volume Module. Includes data for Douglass Road and Project Driveway 6.

Table with columns for Volume Module: Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, FinalVolume.

Table with columns for Critical Gap Module: Critical Gp, FollowUpTim.

Table with columns for Capacity Module: Cnflct Vol, Potent Cap., Move Cap., Volume/Cap.

Table with columns for Level Of Service Module: 2Way95thQ, Control Del, LOS by Move, Movement, Shared Cap., SharedQueue, Shrd ConDel, Shared LOS, ApproachDel, ApproachLOS.

Note: Queue reported is the number of cars per lane.
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 Linscott, Law & Greenspan, Engineers

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

\*\*\*\*\*  
 Intersection #19 G. Project Driveway 7 at Katella Avenue  
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Average Delay (sec/veh): 0.1 Worst Case Level Of Service: B[ 11.4]

Street Name:	Project Driveway 7					Katella Avenue												
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	0	0	1	0	0	0	0	0	3	0	1	0	0	3	0	0

Volume Module:

Base Vol:	0	0	0	0	0	0	0	1188	0	0	1441	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	0	0	0	0	1188	0	0	1441	0
Added Vol:	0	0	31	0	0	0	0	45	24	0	12	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	31	0	0	0	0	1233	24	0	1453	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	31	0	0	0	0	1233	24	0	1453	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	0	31	0	0	0	0	1233	24	0	1453	0

Critical Gap Module:

Critical Gp:	xxxxx	xxxx	6.9	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	3.3	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx

Capacity Module:

Cnflct Vol:	xxxx	xxxx	411	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	596	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	596	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	0.05	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx

Level Of Service Module:

2Way95thQ:	xxxx	xxxx	0.2	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	xxxxx	xxxx	11.4	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	B	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	11.4			xxxxxxx			xxxxxxx			xxxxxxx		
ApproachLOS:	B			*			*			*		

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 Note: Queue reported is the number of cars per lane.  
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