

APPENDIX F

DELAY BENEFIT CALCULATIONS



DRAFT NOVEMBER 2024
PRELIMINARY FEASIBILITY STUDY
U.S. 23 CORRIDOR STUDY, PID 112768

	2030 Daily Delay Hours	2030 Annual User Cost	Int
No-Build	1,283	\$8,978,494	2,048
Concept D	0	\$0	-
Concept C	0	\$0	-
Concept B	652	\$4,562,330	952
Concept A	0	\$0	-

NO-BUILD

Delay (from HCS and hourly count sheet)						Hourly Volume Distribution		
Intersection	Approach Delay			Distribution		NB	SB	
	Delay	NB	SB	NB	SB			
12AM-1AM	10.3	1.26%	5.7	1.01%	5.7	1.30%	0.007	0.007
1AM-2AM	10.0	1.23%	5.2	0.93%	5.2	1.19%	0.004	0.004
2AM-3AM	9.6	1.18%	4.5	0.80%	4.5	1.03%	0.003	0.003
3AM-4AM	9.5	1.16%	4.9	0.87%	5.0	1.14%	0.004	0.004
4AM-5AM	10.8	1.32%	6.6	1.17%	6.7	1.53%	0.005	0.005
5AM-6AM	14.0	1.72%	10.3	1.83%	10.5	2.39%	0.015	0.015
6AM-7AM	21.5	2.64%	16.0	2.85%	17.3	3.94%	0.035	0.035
7AM-8AM	41.7	5.11%	23.4	4.16%	29.8	6.79%	0.080	0.080
8AM-9AM	49.1	6.02%	23.4	4.16%	35.7	8.14%	0.087	0.087
9AM-10AM	41.7	5.11%	33.3	5.93%	47.8	10.90%	0.060	0.060
10AM-11AM	33.2	4.07%	21.8	3.88%	23.0	5.24%	0.048	0.048
11AM-12PM	35.7	4.38%	22.7	4.04%	22.7	5.18%	0.049	0.049
12PM-1PM	42.2	5.17%	24.9	4.43%	23.3	5.31%	0.052	0.052
1PM-2PM	40.8	5.00%	24.4	4.34%	21.7	4.95%	0.052	0.052
2PM-3PM	47.6	5.83%	27.1	4.82%	22.0	5.02%	0.059	0.059
3PM-4PM	65.1	7.98%	41.1	7.31%	24.0	5.47%	0.077	0.077
4PM-5PM	99.1	12.15%	88.8	15.80%	25.4	5.79%	0.079	0.079
5PM-6PM	94.7	11.61%	82.8	14.73%	25.9	5.91%	0.072	0.072
6PM-7PM	45.0	5.52%	25.9	4.61%	20.4	4.65%	0.063	0.063
7PM-8PM	30.7	3.76%	21.3	3.79%	18.2	4.15%	0.049	0.049
8PM-9PM	22.7	2.78%	18.2	3.24%	16.1	3.67%	0.039	0.039
9PM-10PM	15.7	1.92%	12.2	2.17%	11.1	2.53%	0.030	0.030
10PM-11PM	13.2	1.62%	9.5	1.69%	8.9	2.03%	0.018	0.018
11PM-12AM	12.0	1.47%	8.0	1.42%	7.7	1.76%	0.012	0.012
Total Delay	815.9	100%	562	100%	438.6	100%	100%	100%

CONCEPT B

Delay (from HCS and hourly count sheet)						Hourly Volume Distribution		
Intersection	Approach Delay			Distribution		NB	SB	
	Delay	NB	SB	NB	SB			
12AM-1AM	10.3	1.26%	5.7	1.01%	5.7	1.30%	0.007	0.007
1AM-2AM	10.0	1.23%	5.2	0.93%	5.2	1.19%	0.004	0.004
2AM-3AM	9.6	1.18%	4.5	0.80%	4.5	1.03%	0.003	0.003
3AM-4AM	9.5	1.16%	4.9	0.87%	5.0	1.14%	0.004	0.004
4AM-5AM	10.8	1.32%	6.6	1.17%	6.7	1.53%	0.005	0.005
5AM-6AM	14.0	1.72%	10.3	1.83%	10.5	2.39%	0.015	0.015
6AM-7AM	21.5	2.64%	16.0	2.85%	17.3	3.94%	0.035	0.035
7AM-8AM	41.7	5.11%	23.4	4.16%	29.8	6.79%	0.080	0.080
8AM-9AM	49.1	6.02%	23.4	4.16%	35.7	8.14%	0.087	0.087
9AM-10AM	41.7	5.11%	33.3	5.93%	47.8	10.90%	0.060	0.060
10AM-11AM	33.2	4.07%	21.8	3.88%	23.0	5.24%	0.048	0.048
11AM-12PM	35.7	4.38%	22.7	4.04%	22.7	5.18%	0.049	0.049
12PM-1PM	42.2	5.17%	24.9	4.43%	23.3	5.31%	0.052	0.052
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7PM-8PM	30.7	3.76%	21.3	3.79%	18.2	4.15%	0.049	0.049
8PM-9PM	22.7	2.78%	18.2	3.24%	16.1	3.67%	0.039	0.039
9PM-10PM	15.7	1.92%	12.2	2.17%	11.1	2.53%	0.030	0.030
10PM-11PM	13.2	1.62%	9.5	1.69%	8.9	2.03%	0.018	0.018
11PM-12AM	12.0	1.47%	8.0	1.42%	7.7	1.76%	0.012	0.012
Total Delay	815.9	100%	562	100%	438.6	100%	100%	100%

CONCEPT A

Delay (from HCS and hourly count sheet)						Hourly Volume Distribution		
Intersection	Approach Delay			Distribution		NB	SB	
	Delay	NB	SB	NB	SB			
12AM-1AM	10.3	1.26%	5.7	1.01%	5.7	1.30%	0.007	0.007
1AM-2AM	10.0	1.23%	5.2	0.93%	5.2	1.19%	0.004	0.004
2AM-3AM	9.6	1.18%	4.5	0.80%	4.5	1.03%	0.003	0.003
3AM-4AM	9.5	1.16%	4.9	0.87%	5.0	1.14%	0.004	0.004
4AM-5AM	10.8	1.32%	6.6	1.17%	6.7	1.53%	0.005	0.005
5AM-6AM	14.0	1.72%	10.3	1.83%	10.5	2.39%	0.015	0.015
6AM-7AM	21.5	2.64%	16.0	2.85%	17.3	3.94%	0.035	0.035
7AM-8AM	41.7	5.11%	23.4	4.16%	29.8	6.79%	0.080	0.080
8AM-9AM	49.1	6.02%	23.4	4.16%	35.7	8.14%	0.087	0.087
9AM-10AM	41.7	5.11%	33.3	5.93%	47.8	10.90%	0.060	0.060
10AM-11AM	33.2	4.07%	21.8	3.88%	23.0	5.24%	0.048	0.048
11AM-12PM	35.7	4.38%	22.7	4.04%	22.7	5.18%	0.049	0.049
12PM-1PM	42.2	5.17%	24.9	4.43%	23.3	5.31%	0.052	0.052
1PM-2PM	40.8	5.00%	24.4	4.34%	21.7	4.95%	0.052	0.052
2PM-3PM	47.6	5.83%	27.1	4.82%	22.0	5.02%	0.059	0.059
3PM-4PM	65.1	7.98%	41.1	7.31%	24.0	5.47%	0.077	0.077
4PM-5PM	99.1	12.15%	88.8	15.80%	25.4	5.79%	0.079	0.079
5PM-6PM	94.7	11.61%	82.8	14.73%	25.9	5.91%	0.072	0.072
6PM-7PM	45.0	5.52%	25.9	4.61%	20.4	4.65%	0.063	0.063
7PM-8PM	30.7	3.76%	21.3	3.79%	18.2	4.15%	0.049	0.049
8PM-9PM	22.7	2.78%	18.2	3.24%	16.1	3.67%	0.039	0.039
9PM-10PM	15.7	1.92%	12.2	2.17%	11.1	2.53%	0.030	0.030
10PM-11PM	13.2	1.62%	9.5	1.69%	8.9	2.03%	0.018	0.018
11PM-12AM	12.0	1.47%	8.0	1.42%	7.7	1.76%	0.012	0.012
Total Delay	815.9	100%	562	100%	438.6	100%	100%	100%

I-270 EB

Peak Hour Delays			
Intersection	Delay	Approach Delay	
		EB-NB	SB
Peak Delay	21.25	25.5	0
Volumes	5,912	1,788	0
PM Peak Delay	45.475	63.04	0
Volumes	6134	2335	0

Hourly Turning Movement Count

Intersection	Delay	Approach Delay	
		EB-NB	SB
12AM-1AM	0.6	0.26	0.00
1AM-2AM	0.4	0.14	0.00
2AM-3AM	0.3	0.09	0.00
3AM-4AM	0.3	0.12	0.00
4AM-5AM	0.5	0.22	0.00
5AM-6AM	1.7	0.93	0.00
6AM-7AM	6.1	3.48	0.00
7AM-8AM	27.2	11.64	0.00
8AM-9AM	34.9	12.67	0.00
9AM-10AM	20.2	12.31	0.00
10AM-11AM	12.9	6.46	0.00
11AM-12PM	14.4	6.97	0.00
12PM-1PM	22.0	7.6	0.00
1PM-2PM	21.1	7.4	0.00
2PM-3PM	28.2	9.4	0.00
3PM-4PM	49.6	18.4	0.00
4PM-5PM	77.5	40.88	0.00
5PM-6PM	67.4	34.7	0.00
6PM-7PM	28.4	9.6	0.00
7PM-8PM	6.1	2.0	0.00
8PM-9PM	8.8	4.2	0.00
9PM-10PM	4.7	2.2	0.00
10PM-11PM	2.3	1.0	0.00
11PM-12AM	1.4	0.6	0.00
Total Delay	445.9	197.4	0.0

Hourly Turning Movement Count

Intersection	Delay	Approach Delay	
		NB	SB
12AM-1AM	0.6	0.26	0.00
1AM-2AM	0.4	0.14	0.00
2AM-3AM	0.3	0.09	0.00
3AM-4AM	0.3	0.12	0.00
4AM-5AM	0.5	0.22	0.00
5AM-6AM	1.7	0.93	0.00
6AM-7AM	6.1	3.48	0.00
7AM-8AM	27.2	11.64	0.00
8AM-9AM	34.9	12.67	0.00
9AM-10AM	20.2	12.31	0.00
10AM-11AM	12.9	6.46	0.00
11AM-12PM	14.4	6.97	0.00
12PM-1PM	22.0	7.6	0.00
1PM-2PM	21.1	7.4	0.00
2PM-3PM	28.2	9.4	0.00
3PM-4PM	49.6	18.4	0.00
4PM-5PM	77.5	40.88	0.00
5PM-6PM	67.4	34.7	0.00
6PM-7PM	28.4	9.6	0.00
7PM-8PM	6.1	2.0	0.00
8PM-9PM	8.8	4.2	0.00
9PM-10PM	4.7	2.2	0.00
10PM-11PM	2.3	1.0	0.00
11PM-12AM	1.4	0.6	0.00
Total Delay	445.9	197.4	0.0

Hourly Turning Movement Count

Intersection	Delay	Approach Delay	
		NB	SB
12AM-1AM	0.0	0.00	0.00
1AM-2AM	0.0	0.00	0.00
2AM-3AM	0.0	0.00	0.00
3AM-4AM	0.0	0.00	0.00
4AM-5AM	0.0	0.00	0.00
5AM-6AM	0.0	0.00	0.00
6AM-7AM	0.0	0.00	0.00
7AM-8AM	0.0	0.00	0.00
8AM-9AM	0.0	0.00	0.00
9AM-10AM	0.0	0.00	0.00
10AM-11AM	0.0	0.00	0.00
11AM-12PM	0.0	0.00	0.00
12PM-1PM	0.0	0.00	0.00
1PM-2PM	0.0	0.00	0.00
2PM-3PM	0.0	0.00	0.00
3PM-4PM	0.0	0.00	0.00
4PM-5PM	0.0	0.00	0.00
5PM-6PM	0.0	0.00	0.00
6PM-7PM	0.0	0.00	0.00
7PM-8PM	0.0	0.00	0.00
8PM-9PM	0.0	0.00	0.00
9PM-10PM	0.0	0.00	0.00
10PM-11PM	0.0	0.00	0.00
11PM-12AM	0.0	0.00	0.00
Total Delay	0.0	0.0	0.0

I-270 WB

Peak Hour Delays			
Intersection	Delay	Approach Delay	
		EB-NB	WB-NB
Peak Delay	34.255	38.675	37.485
Volumes	5,475	1,788	1,447
PM Peak Delay	47.12	51.28	75
Volumes	5,942	2,335	1,499

Hourly Turning Movement Count

Intersection	Delay	Approach Delay	
		EB-NB	WB-NB
12AM-1AM	0.9	0.40	0.21
1AM-2AM	0.5	0.21	0.11
2AM-3AM	0.4	0.14	0.07
3AM-4AM	0.5	0.19	0.10
4AM-5AM	0.7	0.34	0.18
5AM-6AM	2.1	1.41	0.74
6AM-7AM	9.2	5.28	2.94
7AM-8AM	40.7	17.65	11.56
8AM-9AM	52.1	19.21	15.07
9AM-10AM	30.2	18.67	13.78
10AM-11AM	19.3	9.80	5.31
11AM-12PM	21.5	10.57	5.

	2050 Daily Delay Hours	2050 Annual User Cost	Int
No-Build	1,871	\$13,095,309	3,117
Concept D	0	50	-
Concept C	0	50	-
Concept B	1,016	\$7,115,531	1,802
Concept A	0	50	-

NO-BUILD

Intersection	Delay (from HCS and hourly count sheet)				Hourly Volume Distribution			
	Intersection Delay	Approach Delay		NB	SB	NB	SB	
12AM-1AM	10.3	1.26%	5.7	1.01%	5.7	1.30%	0.007	0.007
1AM-2AM	10.0	1.23%	5.2	0.93%	5.2	1.19%	0.004	0.004
2AM-3AM	9.6	1.18%	4.5	0.80%	4.5	1.03%	0.003	0.003
3AM-4AM	9.5	1.16%	4.9	0.87%	5.0	1.14%	0.004	0.004
4AM-5AM	10.8	1.32%	6.6	1.17%	6.7	1.53%	0.005	0.005
5AM-6AM	14.0	1.72%	10.3	1.83%	10.5	2.39%	0.015	0.015
6AM-7AM	21.5	2.64%	16.0	2.85%	17.3	3.94%	0.035	0.035
7AM-8AM	41.7	5.11%	23.4	4.16%	29.8	6.79%	0.080	0.080
8AM-9AM	49.1	6.02%	23.4	4.16%	35.7	8.14%	0.087	0.087
9AM-10AM	41.7	5.11%	33.3	5.93%	47.8	10.90%	0.060	0.060
10AM-11AM	33.2	4.07%	21.8	3.88%	23.0	5.24%	0.048	0.048
11AM-12PM	35.7	4.38%	22.7	4.04%	22.7	5.18%	0.049	0.049
12PM-1PM	42.2	5.17%	24.9	4.43%	23.3	5.31%	0.052	0.052
1PM-2PM	40.8	5.00%	24.4	4.34%	21.7	4.95%	0.052	0.052
2PM-3PM	47.6	5.83%	27.1	4.82%	22.0	5.02%	0.059	0.059
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8PM-9PM	22.7	2.78%	18.2	3.24%	16.1	3.67%	0.039	0.039
9PM-10PM	15.7	1.92%	12.2	2.17%	11.1	2.53%	0.030	0.030
10PM-11PM	13.2	1.62%	9.5	1.69%	8.9	2.03%	0.018	0.018
11PM-12AM	12.0	1.47%	8.0	1.42%	7.7	1.76%	0.012	0.012
Total Delay	815.9	100%	562	100%	438.6	100%	100%	100%

CONCEPT B

Intersection	Delay (from HCS and hourly count sheet)				Hourly Volume Distribution			
	Intersection Delay	Approach Delay		NB	SB	NB	SB	
12AM-1AM	10.3	1.26%	5.7	1.01%	5.7	1.30%	0.007	0.007
1AM-2AM	10.0	1.23%	5.2	0.93%	5.2	1.19%	0.004	0.004
2AM-3AM	9.6	1.18%	4.5	0.80%	4.5	1.03%	0.003	0.003
3AM-4AM	9.5	1.16%	4.9	0.87%	5.0	1.14%	0.004	0.004
4AM-5AM	10.8	1.32%	6.6	1.17%	6.7	1.53%	0.005	0.005
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CONCEPT A

Intersection	Delay (from HCS and hourly count sheet)				Hourly Volume Distribution			
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12AM-1AM	10.3	1.26%	5.7	1.01%	5.7	1.30%	0.007	0.007
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9AM-10AM	41.7	5.11%	33.3	5.93%	47.8	10.90%	0.060	0.060
10AM-11AM	33.2	4.07%	21.8	3.88%	23.0	5.24%	0.048	0.048
11AM-12PM	35.7	4.38%	22.7	4.04%	22.7	5.18%	0.049	0.049
12PM-1PM	42.2	5.17%	24.9	4.43%	23.3	5.31%	0.052	0.052
1PM-2PM	40.8	5.00%	24.4	4.34%	21.7	4.95%	0.052	0.052
2PM-3PM	47.6	5.83%	27.1	4.82%	22.0	5.02%	0.059	0.059
3PM-4PM	65.1	7.98%	41.1	7.31%	24.0	5.47%	0.077	0.077
4PM-5PM	99.1	12.15%	88.8	15.80%	25.4	5.79%	0.079	0.079
5PM-6PM	94.7	11.61%	82.8	14.73%	25.9	5.91%	0.072	0.072
6PM-7PM	45.0	5.52%	25.9	4.61%	20.4	4.65%	0.063	0.063
7PM-8PM	30.7	3.76%	21.3	3.79%	18.2	4.15%	0.049	0.049
8PM-9PM	22.7	2.78%	18.2	3.24%	16.1	3.67%	0.039	0.039
9PM-10PM	15.7	1.92%	12.2	2.17%	11.1	2.53%	0.030	0.030
10PM-11PM	13.2	1.62%	9.5	1.69%	8.9	2.03%	0.018	0.018
11PM-12AM	12.0	1.47%	8.0	1.42%	7.7	1.76%	0.012	0.012
Total Delay	815.9	100%	562	100%	438.6	100%	100%	100%

I-270 EB				
Intersection	Peak Hour Delays		Approach Delay	
	Delay	EB-NB	SB	
AM Peak Delay	24.48	26.6	0	
PM Peak Delay	6.025	2.092	0	
Peak Delay	75	75	0	
Volumes	6700	2731	0	

Intersection	Hourly Turning Movement Count			
	Intersection Delay	Approach Delay		
12AM-1AM	0.7	0.32	0.00	
1AM-2AM	0.4	0.17	0.00	
2AM-3AM	0.3	0.11	0.00	
3AM-4AM	0.4	0.15	0.00	
4AM-5AM	0.6	0.27	0.00	
5AM-6AM	2.0	1.14	0.00	
6AM-7AM	7.2	4.25	0.00	
7AM-8AM	32.0	14.21	0.00	
8AM-9AM	41.0	15.46	0.00	
9AM-10AM	23.8	15.03	0.00	
10AM-11AM	15.2	7.89	0.00	
11AM-12PM	16.9	8.51	0.00	
12PM-1PM	39.6	10.63	0.00	
1PM-2PM	37.9	10.32	0.00	
2PM-3PM	50.8	13.1	0.00	
3PM-4PM	89.4	25.7	0.00	
4PM-5PM	139.6	56.90	0.00	
5PM-6PM	121.5	48.33	0.00	
6PM-7PM	51.2	13.40	0.00	
7PM-8PM	26.7	8.44	0.00	
8PM-9PM	15.9	5.79	0.00	
9PM-10PM	8.5	3.0	0.00	
10PM-11PM	4.2	1.4	0.00	
11PM-12AM	2.6	0.8	0.00	
Total Delay	728.3	265.3	0.0	

I-270 WB				
Intersection	Peak Hour Delays		Approach Delay	
	Delay	EB-NB	WB-NB	
AM Peak Delay	75	75	75	
PM Peak Delay	75	75	75	
Peak Delay	75	75	75	
Volumes	6623	2,092	1,693	

Intersection	Hourly Turning Movement Count			
	Intersection Delay	Approach Delay		
12AM-1AM	2.5	0.90	0.48	
1AM-2AM	1.4	0.48	0.26	
2AM-3AM	1.0	0.31	0.17	
3AM-4AM	1.2	0.42	0.23	
4AM-5AM	1.9	0.76	0.41	
5AM-6AM	6.6	3.20	1.73	
6AM-7AM	24.3	11.98	6.87	
7AM-8AM	107.7	40.05	27.06	
8AM-9AM	138.0	43.58	35.27	
9AM-10AM	80.0	42.37	32.26	
10AM-11AM	51.1	22.23	12.44	
11AM-12PM	56.9	23.98	12.72	
12PM-1PM	40.5	10.63	22.34	
1PM-2PM	38.8	10.3	20.61	
2PM-3PM	52.0	13.1	23.97	
3PM-4PM	91.5	25.7	33.67	
4PM-5PM	142.8	56.90	36.54	
5PM-6PM	124.3	48.33	33.94	
6PM-7PM	52.4	13.40	23.70	
7PM-8PM	27.4	8.44	16.19	
8PM-9PM	16.2	5.8	11.50	
9PM-10PM	8.7	3.0	6.14	
10PM-11PM	4.3	1.4	2.89	
11PM-12AM	2.7	0.8	1.70	
Total Delay	1074.2	388.1	363.1	

Campus View				
Intersection	Peak Hour Delays		Approach Delay	
	Delay	NB	SB	
AM Peak Delay	0	0	0	
PM Peak Delay	0	0	0	
Peak Delay	0	0	0	
Volumes	7111	3,100	4,106	

Intersection	Hourly Turning Movement Count			
	Intersection Delay	Approach Delay		
12AM-1AM	2.6	0.00	1.16	
1AM-2AM	1.5	0.00	0.62	
2AM-3AM	1.1	0.00	0.40	
3AM-4AM	1.3	0.00	0.56	
4AM-5AM	2.0	0.00	1.00	
5AM-6AM	7.1	0.00	4.20	
6AM-7AM	26.1	0.00	16.67	
7AM-8AM	115.6	0.00	65.62	
8AM-9AM	148.2	0.00	85.54	
9AM-10AM	85.9	0.00	78.24	
10AM-11AM	54.8	0.00	30.17	
11AM-12PM	61.1	0.00	30.85	
12PM-1PM	37.7	0.0	38.33	
1PM-2PM	36.1	0.0	35.35	
2PM-3PM	48.3	0.0	41.12	
3PM-4PM	85.1	0.0	57.75	
4PM-5PM	132.8	0.00	62.69	
5PM-6PM	115.6	0.0	58.23	
6PM-7PM	48.7	0.0	40.66	
7PM-8PM	25.4	0.0	27.77	
8PM-9PM	15.1	0.0	19.73	
9PM-10PM	8.1	0.0	10.54	
10PM-11PM	4.0	0.0	4.95	
11PM-12AM	2.5	0.0	2.92	
Total Delay	1066.9			

2030 Daily Delay		2030 Annual User Cost	
Hours		Int	
No Build	1,684	SR 0.001	1,684
Concept C	117	SR 0.001	117
Concept A	0	SR 0.001	0
Concept B	0	SR 0.001	0

NO-BUILD		Hourly Volume Distribution		
Delay from HCS and hourly count sheet		Intersection		
Approach	Delay	NB	SB	
12AM-1AM	10.5	1.26%	5.7	1.00%
1AM-2AM	10.0	1.23%	5.2	0.93%
2AM-3AM	9.6	1.18%	4.5	0.80%
3AM-4AM	9.1	1.10%	4.9	0.87%
4AM-5AM	10.8	1.32%	6.6	1.17%
5AM-6AM	14.0	1.72%	10.3	1.83%
6AM-7AM	21.5	2.64%	16.0	2.85%
7AM-8AM	41.7	5.11%	31.4	4.16%
8AM-9AM	49.1	6.02%	38.6	4.16%
9AM-10AM	41.7	5.11%	31.3	3.98%
10AM-11AM	33.2	4.07%	21.8	3.88%
11AM-12PM	35.7	4.38%	22.7	4.04%
12PM-1PM	42.2	5.17%	24.9	4.43%
1PM-2PM	40.8	5.00%	24.4	4.34%
2PM-3PM	47.6	5.83%	27.1	4.82%
3PM-4PM	65.1	7.98%	41.1	7.31%
4PM-5PM	99.1	12.15%	68.8	11.80%
5PM-6PM	94.7	11.61%	62.8	11.73%
6PM-7PM	45.0	5.52%	25.9	4.61%
7PM-8PM	30.7	3.76%	21.3	3.79%
8PM-9PM	22.7	2.78%	16.2	3.24%
9PM-10PM	15.7	1.92%	12.2	2.17%
10PM-11PM	13.2	1.62%	9.5	1.69%
11PM-12AM	12.0	1.47%	8.0	1.42%
Total Delay	825.9	100%	562	100%

CONCEPT D		Hourly Volume Distribution		
Delay from HCS and hourly count sheet		Intersection		
Approach	Delay	NB	SB	
12AM-1AM	10.5	1.26%	5.7	1.00%
1AM-2AM	10.0	1.23%	5.2	0.93%
2AM-3AM	9.6	1.18%	4.5	0.80%
3AM-4AM	9.1	1.10%	4.9	0.87%
4AM-5AM	10.8	1.32%	6.6	1.17%
5AM-6AM	14.0	1.72%	10.3	1.83%
6AM-7AM	21.5	2.64%	16.0	2.85%
7AM-8AM	41.7	5.11%	31.4	4.16%
8AM-9AM	49.1	6.02%	38.6	4.16%
9AM-10AM	41.7	5.11%	31.3	3.98%
10AM-11AM	33.2	4.07%	21.8	3.88%
11AM-12PM	35.7	4.38%	22.7	4.04%
12PM-1PM	42.2	5.17%	24.9	4.43%
1PM-2PM	40.8	5.00%	24.4	4.34%
2PM-3PM	47.6	5.83%	27.1	4.82%
3PM-4PM	65.1	7.98%	41.1	7.31%
4PM-5PM	99.1	12.15%	68.8	11.80%
5PM-6PM	94.7	11.61%	62.8	11.73%
6PM-7PM	45.0	5.52%	25.9	4.61%
7PM-8PM	30.7	3.76%	21.3	3.79%
8PM-9PM	22.7	2.78%	16.2	3.24%
9PM-10PM	15.7	1.92%	12.2	2.17%
10PM-11PM	13.2	1.62%	9.5	1.69%
11PM-12AM	12.0	1.47%	8.0	1.42%
Total Delay	100%	100%	100%	

CONCEPT C		Hourly Volume Distribution		
Delay from HCS and hourly count sheet		Intersection		
Approach	Delay	NB	SB	
12AM-1AM	10.5	1.26%	5.7	1.00%
1AM-2AM	10.0	1.23%	5.2	0.93%
2AM-3AM	9.6	1.18%	4.5	0.80%
3AM-4AM	9.1	1.10%	4.9	0.87%
4AM-5AM	10.8	1.32%	6.6	1.17%
5AM-6AM	14.0	1.72%	10.3	1.83%
6AM-7AM	21.5	2.64%	16.0	2.85%
7AM-8AM	41.7	5.11%	31.4	4.16%
8AM-9AM	49.1	6.02%	38.6	4.16%
9AM-10AM	41.7	5.11%	31.3	3.98%
10AM-11AM	33.2	4.07%	21.8	3.88%
11AM-12PM	35.7	4.38%	22.7	4.04%
12PM-1PM	42.2	5.17%	24.9	4.43%
1PM-2PM	40.8	5.00%	24.4	4.34%
2PM-3PM	47.6	5.83%	27.1	4.82%
3PM-4PM	65.1	7.98%	41.1	7.31%
4PM-5PM	99.1	12.15%	68.8	11.80%
5PM-6PM	94.7	11.61%	62.8	11.73%
6PM-7PM	45.0	5.52%	25.9	4.61%
7PM-8PM	30.7	3.76%	21.3	3.79%
8PM-9PM	22.7	2.78%	16.2	3.24%
9PM-10PM	15.7	1.92%	12.2	2.17%
10PM-11PM	13.2	1.62%	9.5	1.69%
11PM-12AM	12.0	1.47%	8.0	1.42%
Total Delay	100%	100%	100%	

CONCEPT B		Hourly Volume Distribution		
Delay from HCS and hourly count sheet		Intersection		
Approach	Delay	NB	SB	
12AM-1AM	10.5	1.26%	5.7	1.00%
1AM-2AM	10.0	1.23%	5.2	0.93%
2AM-3AM	9.6	1.18%	4.5	0.80%
3AM-4AM	9.1	1.10%	4.9	0.87%
4AM-5AM	10.8	1.32%	6.6	1.17%
5AM-6AM	14.0	1.72%	10.3	1.83%
6AM-7AM	21.5	2.64%	16.0	2.85%
7AM-8AM	41.7	5.11%	31.4	4.16%
8AM-9AM	49.1	6.02%	38.6	4.16%
9AM-10AM	41.7	5.11%	31.3	3.98%
10AM-11AM	33.2	4.07%	21.8	3.88%
11AM-12PM	35.7	4.38%	22.7	4.04%
12PM-1PM	42.2	5.17%	24.9	4.43%
1PM-2PM	40.8	5.00%	24.4	4.34%
2PM-3PM	47.6	5.83%	27.1	4.82%
3PM-4PM	65.1	7.98%	41.1	7.31%
4PM-5PM	99.1	12.15%	68.8	11.80%
5PM-6PM	94.7	11.61%	62.8	11.73%
6PM-7PM	45.0	5.52%	25.9	4.61%
7PM-8PM	30.7	3.76%	21.3	3.79%
8PM-9PM	22.7	2.78%	16.2	3.24%
9PM-10PM	15.7	1.92%	12.2	2.17%
10PM-11PM	13.2	1.62%	9.5	1.69%
11PM-12AM	12.0	1.47%	8.0	1.42%
Total Delay	100%	100%	100%	

CONCEPT A		Hourly Volume Distribution		
Delay from HCS and hourly count sheet		Intersection		
Approach	Delay	NB	SB	
12AM-1AM	10.5	1.26%	5.7	1.00%
1AM-2AM	10.0	1.23%	5.2	0.93%
2AM-3AM	9.6	1.18%	4.5	0.80%
3AM-4AM	9.1	1.10%	4.9	0.87%
4AM-5AM	10.8	1.32%	6.6	1.17%
5AM-6AM	14.0	1.72%	10.3	1.83%
6AM-7AM	21.5	2.64%	16.0	2.85%
7AM-8AM	41.7	5.11%	31.4	4.16%
8AM-9AM	49.1	6.02%	38.6	4.16%
9AM-10AM	41.7	5.11%	31.3	3.98%
10AM-11AM	33.2	4.07%	21.8	3.88%
11AM-12PM	35.7	4.38%	22.7	4.04%
12PM-1PM	42.2	5.17%	24.9	4.43%
1PM-2PM	40.8	5.00%	24.4	4.34%
2PM-3PM	47.6	5.83%	27.1	4.82%
3PM-4PM	65.1	7.98%	41.1	7.31%
4PM-5PM	99.1	12.15%	68.8	11.80%
5PM-6PM	94.7	11.61%	62.8	11.73%
6PM-7PM	45.0	5.52%	25.9	4.61%
7PM-8PM	30.7	3.76%	21.3	3.79%
8PM-9PM	22.7	2.78%	16.2	3.24%
9PM-10PM	15.7	1.92%	12.2	2.17%
10PM-11PM	13.2	1.62%	9.5	1.69%
11PM-12AM	12.0	1.47%	8.0	1.42%
Total Delay	100%	100%	100%	

Northwoods		Hourly Volume Distribution		
Peak Hour Delay		Intersection		
Approach	Delay	NB	SB	
12AM-1AM	0.0	0.00%	0.0	0.00%
1AM-2AM	0.0	0.00%	0.0	0.00%
2AM-3AM	0.0	0.00%	0.0	0.00%
3AM-4AM	0.0	0.00%	0.0	0.00%
4AM-5AM	0.0	0.00%	0.0	0.00%
5AM-6AM	0.0	0.00%	0.0	0.00%
6AM-7AM	0.0	0.00%	0.0	0.00%
7AM-8AM	0.0	0.00%	0.0	0.00%
8AM-9AM	0.0	0.00%	0.0	0.00%
9AM-10AM	0.0	0.00%	0.0	0.00%
10AM-11AM	0.0	0.00%	0.0	0.00%
11AM-12PM	0.0	0.00%	0.0	0.00%
12PM-1PM	0.0	0.00%	0.0	0.00%
1PM-2PM	0.0	0.00%	0.0	0.00%
2PM-3PM	0.0	0.00%	0.0	0.00%
3PM-4PM	0.0	0.00%	0.0	0.00%
4PM-5PM	0.0	0.00%	0.0	0.00%
5PM-6PM	0.0	0.00%	0.0	0.00%
6PM-7PM	0.0	0.00%	0.0	0.00%
7PM-8PM	0.0	0.00%	0.0	0.00%
8PM-9PM	0.0	0.00%	0.0	0.00%
9PM-10PM	0.0	0.00%	0.0	0.00%
10PM-11PM	0.0	0.00%	0.0	0.00%
11PM-12AM	0.0	0.00%	0.0	0.00%
Total Delay	0.0	0.0	0.0	0.0

AM Peak Delay		Hourly Volume Distribution		
PM Peak Delay		Intersection		
Approach	Delay	NB	SB	
12AM-1AM	0.0	0.00%	0.0	0.00%
1AM-2AM	0.0	0.00%	0.0	0.00%
2AM-3AM	0.0	0.00%	0.0	0.00%
3AM-4AM	0.0	0.00%	0.0	0.00%
4AM-5AM	0.0	0.00%	0.0	0.00%
5AM-6AM	0.0	0.00%	0.0	0.00%
6AM-7AM	0.0	0.00%	0.0	0.00%
7AM-8AM	0.0	0.00%	0.0	0.00%
8AM-9AM	0.0	0.00%	0.0	0.00%
9AM-10AM	0.0	0.00%	0.0	0.00%
10AM-11AM	0.0	0.00%	0.0	0.00%
11AM-12PM	0.0	0.00%	0.0	0.00%
12PM-1PM	0.0	0.00%	0.0	0.00%
1PM-2PM	0.0	0.00%	0.0	0.00%
2PM-3PM	0.0	0.00%	0.0	0.00%
3PM-4PM	0.0	0.00%	0.0	0.00%
4PM-5PM	0.0	0.00%	0.0	0.00%
5PM-6PM	0.0	0.00%	0.0	0.00%
6PM-7PM	0.0	0.00%	0.0	0.00%
7PM-8PM	0.0	0.00%	0.0	0.00%
8PM-9PM	0.0	0.00%	0.0	0.00%
9PM-10PM	0.0	0.00%	0.0	0.00%
10PM-11PM	0.0	0.00%	0.0	0.00%
11PM-12AM	0.0	0.00%	0.0	0.00%
Total Delay	0.0	0.0	0.0	0.0

AM Peak Delay		Hourly Volume Distribution		
PM Peak Delay		Intersection		
Approach	Delay	NB	SB	
12AM-1AM	0.0	0.00%	0.0	0.00%
1AM-2AM	0.0	0.00%	0.0	0.00%
2AM-3AM	0.0	0.00%	0.0	0.00%
3AM-4AM	0.0	0.00%	0.0	0.00%
4AM-5AM	0.0	0.00%	0.0	0.00%
5AM-6AM	0.0	0.00%	0.0	0.00%
6AM-7AM	0.0	0.00%	0.0	0.00%
7AM-8AM	0.0	0.00%	0.0	0.00%
8AM-9AM	0.0	0.00%	0.0	0.00%
9AM-10AM	0.0	0.00%	0.0	0.00%
10AM-11AM	0.0	0.00%	0.0	0.00%
11AM-12PM	0.0	0.00%	0.0	0.00%
12PM-1PM	0.0	0.00%	0.0	0.00%
1PM-2PM	0.0	0.00%	0.0	0.00%
2PM-3PM	0.0	0.00%	0.0	0.00%
3PM-4PM	0.0	0.00%	0.0	0.00%
4PM-5PM	0.0	0.00%	0.0	0.00%
5PM-6PM	0.0	0.00%	0.0	0.00%
6PM-7PM	0.0	0.00%	0.0	0.00%
7PM-8PM	0.0	0.00%	0.0	0.00%
8PM-9PM	0.0	0.00%	0.0	0.00%
9PM-10PM	0.0	0.00%	0.0	0.00%
10PM-11PM	0.0	0.00%	0.0	0.00%
11PM-12AM	0.0	0.00%	0.0	0.00%
Total Delay	0.0	0.0	0.0	0.0

AM Peak Delay		Hourly Volume Distribution		
PM Peak Delay		Intersection		
Approach	Delay	NB	SB	
12AM-1AM	0.0	0.00%	0.0	0.00%
1AM-2AM	0.0	0.00%	0.0	0.00%
2AM-3AM	0.0	0.00%	0.0	0.00%
3AM-4AM	0.0	0.00%	0.0	0.00%
4AM-5AM	0.0	0.00%	0.0	0.00%
5AM-6AM	0.0	0.00%	0.0	0.00%
6AM-7AM	0.0	0.00%	0.0	0.00%
7AM-8AM	0.0	0.00%	0.0	0.00%
8AM-9AM	0.0	0.00%	0.0	0.00%
9AM-10AM	0.0	0.00%	0.0	0.00%
10AM-11AM	0.0	0.00%	0.0	0.00%
11AM-12PM	0.0	0.00%	0.0</	

2050 Daily Delay		2050 Annual User Cost	
Hours		2050 Annual User Cost	
No Build	2,188	\$18,316,044	2,687
Concept D	977	\$8,076,500	896
Concept C	460	\$3,976,500	512
Concept A	0	0	-
Concept B	0	0	-

NO-BUILD

Delay from HCS and hourly count sheet		Hourly Volume Distribution					
Intersection		Intersection					
Approach	Delay	NB	SB				
12AM-1AM	10.5	1.26%	5.7	1.01%	5.7	1.00%	0.004
1AM-2AM	10.0	1.23%	5.2	0.93%	5.2	1.00%	0.003
2AM-3AM	9.6	1.18%	4.5	0.80%	4.5	1.00%	0.002
3AM-4AM	9.1	1.10%	4.0	0.75%	4.0	1.00%	0.002
4AM-5AM	10.8	1.32%	6.6	1.17%	6.7	1.53%	0.006
5AM-6AM	14.0	1.72%	10.3	1.83%	10.5	2.39%	0.018
6AM-7AM	21.5	2.64%	16.0	2.85%	17.3	3.94%	0.028
7AM-8AM	41.7	5.11%	31.4	4.16%	29.8	6.79%	0.061
8AM-9AM	49.1	6.02%	38.8	4.16%	38.2	8.14%	0.063
9AM-10AM	41.7	5.11%	31.3	5.93%	47.8	10.90%	0.073
10AM-11AM	33.2	4.07%	21.8	3.88%	23.0	5.24%	0.053
11AM-12PM	35.7	4.38%	22.7	4.04%	22.7	5.18%	0.056
12PM-1PM	42.2	5.17%	24.9	4.43%	23.3	5.31%	0.062
1PM-2PM	40.8	5.00%	24.4	4.34%	21.7	4.95%	0.061
2PM-3PM	47.6	5.83%	27.1	4.82%	22.0	5.02%	0.066
3PM-4PM	65.1	7.98%	41.1	7.31%	24.0	5.47%	0.077
4PM-5PM	99.1	12.15%	68.8	11.80%	25.6	5.72%	0.086
5PM-6PM	94.7	11.61%	62.8	14.73%	25.9	5.91%	0.085
6PM-7PM	45.0	5.52%	25.9	4.61%	20.4	4.65%	0.064
7PM-8PM	30.7	3.76%	21.3	3.79%	18.2	4.15%	0.050
8PM-9PM	22.7	2.78%	16.2	3.24%	16.1	3.67%	0.037
9PM-10PM	15.7	1.92%	12.2	2.17%	11.1	2.53%	0.024
10PM-11PM	13.2	1.62%	9.5	1.69%	8.9	2.03%	0.014
11PM-12AM	12.0	1.47%	8.0	1.42%	7.7	1.76%	0.009
Total Delay	825.9	100%	562	100%	438.6	100%	100%

CONCEPT D

Delay from HCS and hourly count sheet		Hourly Volume Distribution					
Intersection		Intersection					
Approach	Delay	NB	SB				
12AM-1AM	10.5	1.26%	5.7	1.01%	5.7	1.00%	0.004
1AM-2AM	10.0	1.23%	5.2	0.93%	5.2	1.00%	0.003
2AM-3AM	9.6	1.18%	4.5	0.80%	4.5	1.00%	0.002
3AM-4AM	9.1	1.10%	4.0	0.75%	4.0	1.00%	0.002
4AM-5AM	10.8	1.32%	6.6	1.17%	6.7	1.53%	0.006
5AM-6AM	14.0	1.72%	10.3	1.83%	10.5	2.39%	0.018
6AM-7AM	21.5	2.64%	16.0	2.85%	17.3	3.94%	0.028
7AM-8AM	41.7	5.11%	31.4	4.16%	29.8	6.79%	0.061
8AM-9AM	49.1	6.02%	38.8	4.16%	38.2	8.14%	0.063
9AM-10AM	41.7	5.11%	31.3	5.93%	47.8	10.90%	0.073
10AM-11AM	33.2	4.07%	21.8	3.88%	23.0	5.24%	0.053
11AM-12PM	35.7	4.38%	22.7	4.04%	22.7	5.18%	0.056
12PM-1PM	42.2	5.17%	24.9	4.43%	23.3	5.31%	0.062
1PM-2PM	40.8	5.00%	24.4	4.34%	21.7	4.95%	0.061
2PM-3PM	47.6	5.83%	27.1	4.82%	22.0	5.02%	0.066
3PM-4PM	65.1	7.98%	41.1	7.31%	24.0	5.47%	0.077
4PM-5PM	99.1	12.15%	68.8	11.80%	25.6	5.72%	0.086
5PM-6PM	94.7	11.61%	62.8	14.73%	25.9	5.91%	0.085
6PM-7PM	45.0	5.52%	25.9	4.61%	20.4	4.65%	0.064
7PM-8PM	30.7	3.76%	21.3	3.79%	18.2	4.15%	0.050
8PM-9PM	22.7	2.78%	16.2	3.24%	16.1	3.67%	0.037
9PM-10PM	15.7	1.92%	12.2	2.17%	11.1	2.53%	0.024
10PM-11PM	13.2	1.62%	9.5	1.69%	8.9	2.03%	0.014
11PM-12AM	12.0	1.47%	8.0	1.42%	7.7	1.76%	0.009
Total Delay	100%	100%	562	100%	438.6	100%	100%

CONCEPT C

Delay from HCS and hourly count sheet		Hourly Volume Distribution					
Intersection		Intersection					
Approach	Delay	NB	SB				
12AM-1AM	10.5	1.26%	5.7	1.01%	5.7	1.00%	0.004
1AM-2AM	10.0	1.23%	5.2	0.93%	5.2	1.00%	0.003
2AM-3AM	9.6	1.18%	4.5	0.80%	4.5	1.00%	0.002
3AM-4AM	9.1	1.10%	4.0	0.75%	4.0	1.00%	0.002
4AM-5AM	10.8	1.32%	6.6	1.17%	6.7	1.53%	0.006
5AM-6AM	14.0	1.72%	10.3	1.83%	10.5	2.39%	0.018
6AM-7AM	21.5	2.64%	16.0	2.85%	17.3	3.94%	0.028
7AM-8AM	41.7	5.11%	31.4	4.16%	29.8	6.79%	0.061
8AM-9AM	49.1	6.02%	38.8	4.16%	38.2	8.14%	0.063
9AM-10AM	41.7	5.11%	31.3	5.93%	47.8	10.90%	0.073
10AM-11AM	33.2	4.07%	21.8	3.88%	23.0	5.24%	0.053
11AM-12PM	35.7	4.38%	22.7	4.04%	22.7	5.18%	0.056
12PM-1PM	42.2	5.17%	24.9	4.43%	23.3	5.31%	0.062
1PM-2PM	40.8	5.00%	24.4	4.34%	21.7	4.95%	0.061
2PM-3PM	47.6	5.83%	27.1	4.82%	22.0	5.02%	0.066
3PM-4PM	65.1	7.98%	41.1	7.31%	24.0	5.47%	0.077
4PM-5PM	99.1	12.15%	68.8	11.80%	25.6	5.72%	0.086
5PM-6PM	94.7	11.61%	62.8	14.73%	25.9	5.91%	0.085
6PM-7PM	45.0	5.52%	25.9	4.61%	20.4	4.65%	0.064
7PM-8PM	30.7	3.76%	21.3	3.79%	18.2	4.15%	0.050
8PM-9PM	22.7	2.78%	16.2	3.24%	16.1	3.67%	0.037
9PM-10PM	15.7	1.92%	12.2	2.17%	11.1	2.53%	0.024
10PM-11PM	13.2	1.62%	9.5	1.69%	8.9	2.03%	0.014
11PM-12AM	12.0	1.47%	8.0	1.42%	7.7	1.76%	0.009
Total Delay	100%	100%	562	100%	438.6	100%	100%

CONCEPT B

Delay from HCS and hourly count sheet		Hourly Volume Distribution					
Intersection		Intersection					
Approach	Delay	NB	SB				
12AM-1AM	10.5	1.26%	5.7	1.01%	5.7	1.00%	0.004
1AM-2AM	10.0	1.23%	5.2	0.93%	5.2	1.00%	0.003
2AM-3AM	9.6	1.18%	4.5	0.80%	4.5	1.00%	0.002
3AM-4AM	9.1	1.10%	4.0	0.75%	4.0	1.00%	0.002
4AM-5AM	10.8	1.32%	6.6	1.17%	6.7	1.53%	0.006
5AM-6AM	14.0	1.72%	10.3	1.83%	10.5	2.39%	0.018
6AM-7AM	21.5	2.64%	16.0	2.85%	17.3	3.94%	0.028
7AM-8AM	41.7	5.11%	31.4	4.16%	29.8	6.79%	0.061
8AM-9AM	49.1	6.02%	38.8	4.16%	38.2	8.14%	0.063
9AM-10AM	41.7	5.11%	31.3	5.93%	47.8	10.90%	0.073
10AM-11AM	33.2	4.07%	21.8	3.88%	23.0	5.24%	0.053
11AM-12PM	35.7	4.38%	22.7	4.04%	22.7	5.18%	0.056
12PM-1PM	42.2	5.17%	24.9	4.43%	23.3	5.31%	0.062
1PM-2PM	40.8	5.00%	24.4	4.34%	21.7	4.95%	0.061
2PM-3PM	47.6	5.83%	27.1	4.82%	22.0	5.02%	0.066
3PM-4PM	65.1	7.98%	41.1	7.31%	24.0	5.47%	0.077
4PM-5PM	99.1	12.15%	68.8	11.80%	25.6	5.72%	0.086
5PM-6PM	94.7	11.61%	62.8	14.73%	25.9	5.91%	0.085
6PM-7PM	45.0	5.52%	25.9	4.61%	20.4	4.65%	0.064
7PM-8PM	30.7	3.76%	21.3	3.79%	18.2	4.15%	0.050
8PM-9PM	22.7	2.78%	16.2	3.24%	16.1	3.67%	0.037
9PM-10PM	15.7	1.92%	12.2	2.17%	11.1	2.53%	0.024
10PM-11PM	13.2	1.62%	9.5	1.69%	8.9	2.03%	0.014
11PM-12AM	12.0	1.47%	8.0	1.42%	7.7	1.76%	0.009
Total Delay	100%	100%	562	100%	438.6	100%	100%

CONCEPT A

Delay from HCS and hourly count sheet		Hourly Volume Distribution					
Intersection		Intersection					
Approach	Delay	NB	SB				
12AM-1AM	10.5	1.26%	5.7	1.01%	5.7	1.00%	0.004
1AM-2AM	10.0	1.23%	5.2	0.93%	5.2	1.00%	0.003
2AM-3AM	9.6	1.18%	4.5	0.80%	4.5	1.00%	0.002
3AM-4AM	9.1	1.10%	4.0	0.75%	4.0	1.00%	0.002
4AM-5AM	10.8	1.32%	6.6	1.17%	6.7	1.53%	0.006
5AM-6AM	14.0	1.72%	10.3	1.83%	10.5	2.39%	0.018
6AM-7AM	21.5	2.64%	16.0	2.85%	17.3	3.94%	0.028
7AM-8AM	41.7	5.11%	31.4	4.16%	29.8	6.79%	0.061
8AM-9AM	49.1	6.02%	38.8	4.16%	38.2	8.14%	0.063
9AM-10AM	41.7	5.11%	31.3	5.93%	47.8	10.90%	0.073
10AM-11AM	33.2	4.07%	21.8	3.88%	23.0	5.24%	0.053
11AM-12PM	35.7	4.38%	22.7	4.04%	22.7	5.18%	0.056
12PM-1PM	42.2	5.17%	24.9	4.43%	23.3	5.31%	0.062
1PM-2PM	40.8	5.00%	24.4	4.34%	21.7	4.95%	0.061
2PM-3PM	47.6	5.83%	27.1	4.82%	22.0	5.02%	0.066
3PM-4PM	65.1	7.98%	41.1	7.31%	24.0	5.47%	0.077
4PM-5PM	99.1	12.15%	68.8	11.80%	25.6	5.72%	0.086
5PM-6PM	94.7	11.61%	62.8	14.73%	25.9	5.91%	0.085
6PM-7PM	45.0	5.52%	25.9	4.61%	20.4	4.65%	0.064
7PM-8PM	30.7	3.76%	21.3	3.79%	18.2	4.15%	0.050
8PM-9PM	22.7	2.78%	16.2	3.24%	16.1	3.67%	0.037
9PM-10PM	15.7	1.92%	12.2	2.17%	11.1	2.53%	0.024
10PM-11PM	13.2	1.62%	9.5	1.69%	8.9	2.03%	0.014
11PM-12AM	12.0	1.47%	8.0	1.42%	7.7	1.76%	0.009
Total Delay	100%	100%	562	100%	438.6	100%	100%

Northwoods

Peak Hour Delay		Approach Delay	
Intersection		Intersection	
Delay	SB	Delay	SB
Peak Delay	6.175	2.487	1.328
Peak Delay	6.175	2.487	1.328
Volumes	6501	3507	2488

Hourly Turning Movement Count

Intersection		Approach	
Delay		Delay	
Delay	SB	Delay	SB
12AM-1AM	1.0	0.12	0.38
1AM-2AM	0.7	0.08	0.27
2AM-3AM	0.4	0.04	0.14
3AM-4AM	0.3	0.03	0.10
4AM-5AM	1.6	0.20	0.75
5AM-6AM	1.1	0.12	0.54
6AM-7AM	20.2	3.02	12.67
7AM-8AM	65.0	7.18	36.83
8AM-9AM	73.8	7.28	46.64
9AM-10AM	60.1	6.62	33.83
10AM-11AM	42.2	5.36	22.84
11AM-12PM	46.1	6.32	25.53
12PM-1PM	22.7	8.4	14.57
1PM-2PM	20.7	8.0	12.84
2PM-3PM	25.5	9.7	12.75
3PM-4PM	39.1	11.2	15.00
4PM-5PM	64.3	12.32	16.65
5PM-6PM	62.0	18.3	17.29
6PM-7PM	55.2	20.4	14.00
7PM-8PM	12.1	5.7	7.64
8PM-9PM	3.3	1	

2050 Daily Delay		2050 Annual User Cost	
NO-BUILD	Build	2050	2050
Concept A	7,107	\$49,913,949	9,358
Concept B	2,047	\$14,913,248	2,786
Concept C	977	\$6,843,210	1,507
Concept D	0	-	-
Concept E	0	-	-

Delay (from HCS and hourly count sheet)		Hourly Volume		Distribution				
Intersection	Approach Delay	NB	SB	NB	SB			
12AM-1AM	8.9	1.41%	1.2	0.91%	0.3	0.92%	0.003	0.003
1AM-2AM	8.7	1.38%	4.9	0.86%	4.9	0.85%	0.003	0.003
2AM-3AM	7.9	1.20%	4.4	0.77%	4.4	0.76%	0.002	0.002
3AM-4AM	8.1	1.29%	4.7	0.82%	4.7	0.81%	0.002	0.003
4AM-5AM	8.7	1.38%	5.9	1.03%	5.9	1.02%	0.003	0.007
5AM-6AM	12.2	1.94%	10.7	1.75%	10.7	1.80%	0.005	0.007
6AM-7AM	18.4	2.93%	15.6	2.72%	18.3	3.20%	0.035	0.045
7AM-8AM	11.8	1.90%	18.7	3.20%	18.4	3.20%	0.059	0.075
8AM-9AM	36.3	5.77%	18.1	3.16%	17.2	3.17%	0.099	0.082
9AM-10AM	34.3	5.43%	19.9	3.47%	33.3	7.49%	0.099	0.076
10AM-11AM	39.8	6.33%	19.8	3.46%	19.9	3.59%	0.060	0.072
11AM-12PM	38.6	6.14%	26.4	4.61%	48.6	8.41%	0.063	0.070
12PM-1PM	39.7	6.31%	31.5	5.50%	46.5	8.05%	0.070	0.072
1PM-2PM	42.3	6.72%	43.5	7.59%	42.6	7.37%	0.067	0.064
2PM-3PM	37.2	5.91%	44.2	7.72%	30.9	5.19%	0.067	0.058
3PM-4PM	38.2	6.07%	45.8	8.00%	26.8	4.64%	0.074	0.059
4PM-5PM	53.1	8.45%	55.0	13.27%	55.8	9.81%	0.081	0.059
5PM-6PM	44.2	7.03%	57.7	10.07%	26.2	4.53%	0.078	0.060
6PM-7PM	34.4	5.47%	42.2	7.37%	24.6	4.26%	0.066	0.052
7PM-8PM	26.6	4.23%	28.7	5.01%	22.6	3.91%	0.053	0.044
8PM-9PM	20.0	3.18%	18.7	3.26%	17.3	2.99%	0.038	0.031
9PM-10PM	15.9	2.53%	13.6	2.37%	13.0	2.25%	0.028	0.023
10PM-11PM	12.7	2.02%	9.7	1.69%	9.4	1.63%	0.022	0.022
11PM-12AM	11.0	1.73%	7.6	1.33%	7.5	1.30%	0.008	0.008
Total Delay	629	100%	572.8	100%	577.9	100%	100%	100%

Hourly Turning Movement Count		Hourly Volume		Distribution	
Intersection	Approach Delay	NB	SB	NB	SB
12AM-1AM	0.5	0.21	0.13	0.003	0.003
1AM-2AM	0.4	0.16	0.30	0.003	0.003
2AM-3AM	0.0	0.00	0.00	0.002	0.002
3AM-4AM	0.4	0.16	0.30	0.003	0.003
4AM-5AM	0.9	0.41	0.29	0.005	0.007
5AM-6AM	0.1	0.30	1.80	0.003	0.007
6AM-7AM	12.9	6.81	6.32	0.035	0.045
7AM-8AM	36.4	19.34	22.39	0.059	0.075
8AM-9AM	45.8	24.82	24.85	0.099	0.082
9AM-10AM	40.3	24.84	24.85	0.099	0.076
10AM-11AM	46.0	24.91	28.96	0.060	0.072
11AM-12PM	44.8	20.80	25.83	0.063	0.070
12PM-1PM	46.4	20.87	21.73	0.070	0.072
1PM-2PM	65.4	27.5	17.69	0.067	0.064
2PM-3PM	50.0	27.8	11.38	0.067	0.058
3PM-4PM	59.7	31.8	10.24	0.074	0.059
4PM-5PM	53.1	45.0	31.82	0.081	0.059
5PM-6PM	44.2	73.8	42.3	0.078	0.060
6PM-7PM	42.7	37.6	26.0	0.066	0.052
7PM-8PM	30.3	14.2	6.45	0.053	0.044
8PM-9PM	16.8	6.7	3.74	0.038	0.031
9PM-10PM	11.9	3.2	1.97	0.028	0.023
10PM-11PM	8.5	1.1	0.70	0.022	0.022
11PM-12AM	7.0	0.8	0.37	0.008	0.008
Total Delay	746.6	146.8	242.6	100%	100%

Hourly Turning Movement Count		Hourly Volume		Distribution	
Intersection	Approach Delay	NB	SB	NB	SB
12AM-1AM	0.0	0.00	0.00	0.003	0.003
1AM-2AM	0.0	0.00	0.00	0.003	0.003
2AM-3AM	0.0	0.00	0.00	0.002	0.002
3AM-4AM	0.0	0.00	0.00	0.003	0.003
4AM-5AM	0.0	0.00	0.00	0.005	0.007
5AM-6AM	0.0	0.00	0.00	0.003	0.007
6AM-7AM	0.0	0.00	0.00	0.035	0.045
7AM-8AM	0.0	0.00	0.00	0.059	0.075
8AM-9AM	0.0	0.00	0.00	0.099	0.082
9AM-10AM	0.0	0.00	0.00	0.099	0.076
10AM-11AM	0.0	0.00	0.00	0.060	0.072
11AM-12PM	0.0	0.00	0.00	0.063	0.070
12PM-1PM	0.0	0.00	0.00	0.070	0.072
1PM-2PM	0.0	0.00	0.00	0.067	0.064
2PM-3PM	0.0	0.00	0.00	0.067	0.058
3PM-4PM	0.0	0.00	0.00	0.074	0.059
4PM-5PM	0.0	0.00	0.00	0.081	0.059
5PM-6PM	0.0	0.00	0.00	0.078	0.060
6PM-7PM	0.0	0.00	0.00	0.066	0.052
7PM-8PM	0.0	0.00	0.00	0.053	0.044
8PM-9PM	0.0	0.00	0.00	0.038	0.031
9PM-10PM	0.0	0.00	0.00	0.028	0.023
10PM-11PM	0.0	0.00	0.00	0.022	0.022
11PM-12AM	0.0	0.00	0.00	0.008	0.008
Total Delay	0.0	0.0	0.0	100%	100%

Hourly Turning Movement Count		Hourly Volume		Distribution	
Intersection	Approach Delay	NB	SB	NB	SB
12AM-1AM	0.0	0.00	0.00	0.003	0.003
1AM-2AM	0.0	0.00	0.00	0.003	0.003
2AM-3AM	0.0	0.00	0.00	0.002	0.002
3AM-4AM	0.0	0.00	0.00	0.003	0.003
4AM-5AM	0.0	0.00	0.00	0.005	0.007
5AM-6AM	0.0	0.00	0.00	0.003	0.007
6AM-7AM	0.0	0.00	0.00	0.035	0.045
7AM-8AM	0.0	0.00	0.00	0.059	0.075
8AM-9AM	0.0	0.00	0.00	0.099	0.082
9AM-10AM	0.0	0.00	0.00	0.099	0.076
10AM-11AM	0.0	0.00	0.00	0.060	0.072
11AM-12PM	0.0	0.00	0.00	0.063	0.070
12PM-1PM	0.0	0.00	0.00	0.070	0.072
1PM-2PM	0.0	0.00	0.00	0.067	0.064
2PM-3PM	0.0	0.00	0.00	0.067	0.058
3PM-4PM	0.0	0.00	0.00	0.074	0.059
4PM-5PM	0.0	0.00	0.00	0.081	0.059
5PM-6PM	0.0	0.00	0.00	0.078	0.060
6PM-7PM	0.0	0.00	0.00	0.066	0.052
7PM-8PM	0.0	0.00	0.00	0.053	0.044
8PM-9PM	0.0	0.00	0.00	0.038	0.031
9PM-10PM	0.0	0.00	0.00	0.028	0.023
10PM-11PM	0.0	0.00	0.00	0.022	0.022
11PM-12AM	0.0	0.00	0.00	0.008	0.008
Total Delay	0.0	0.0	0.0	100%	100%

Hourly Turning Movement Count		Hourly Volume		Distribution	
Intersection	Approach Delay	NB	SB	NB	SB
12AM-1AM	0.0	0.00	0.00	0.003	0.003
1AM-2AM	0.0	0.00	0.00	0.003	0.003
2AM-3AM	0.0	0.00	0.00	0.002	0.002
3AM-4AM	0.0	0.00	0.00	0.003	0.003
4AM-5AM	0.0	0.00	0.00	0.005	0.007
5AM-6AM	0.0	0.00	0.00	0.003	0.007
6AM-7AM	0.0	0.00	0.00	0.035	0.045
7AM-8AM	0.0	0.00	0.00	0.059	0.075
8AM-9AM	0.0	0.00	0.00	0.099	0.082
9AM-10AM	0.0	0.00	0.00	0.099	0.076
10AM-11AM	0.0	0.00	0.00	0.060	0.072
11AM-12PM	0.0	0.00	0.00	0.063	0.070
12PM-1PM	0.0	0.00	0.00	0.070	0.072
1PM-2PM	0.0	0.00	0.00	0.067	0.064
2PM-3PM	0.0	0.00	0.00	0.067	0.058
3PM-4PM	0.0	0.00	0.00	0.074	0.059
4PM-5PM	0.0	0.00	0.00	0.081	0.059
5PM-6PM	0.0	0.00	0.00	0.078	0.060
6PM-7PM	0.0	0.00	0.00	0.066	0.052
7PM-8PM	0.0	0.00	0.00	0.053	0.044
8PM-9PM	0.0	0.00	0.00	0.038	0.031
9PM-10PM	0.0	0.00	0.00	0.028	0.023
10PM-11PM	0.0	0.00	0.00	0.022	0.022
11PM-12AM	0.0	0.00	0.00	0.008	0.008
Total Delay	0.0	0.0	0.0	100%	100%

Green Meadows		SR 750		Meadow Park		Windbrush		Hidden Ravines		Orange	
Intersection	Approach Delay	Intersection	Approach Delay	Intersection	Approach Delay	Intersection	Approach Delay	Intersection	Approach Delay	Intersection	Approach Delay
12AM-1AM	0.5	0.21	0.13	12AM-1AM	1.6	0.75	0.21	12AM-1AM	1.2	0.33	0.36
1AM-2AM	0.4	0.16	0.30	1AM-2AM	1.3	0.56	0.17	1AM-2AM	1.0	0.25	0.28
2AM-3AM	0.0	0.00	0.00	2AM-3AM	0.0	0.00	0.00	2AM-3AM	0.0	0.00	0.00
3AM-4AM	0.4	0.16	0.30	3AM-4AM	1.1	0.48	0.15	3AM-4AM	0.9	0.21	0.26
4AM-5AM	0.9	0.41	0.29	4AM-5AM	2.9	1.44	0.48	4AM-5AM	2.3	0.50	0.57
5AM-6AM	0.1	0.30	1.80	5AM-6AM	0.2	0.60	0.20	5AM-6AM	0.0	1.07	1.30
6AM-7AM	12.9	6.81	6.32	6AM-7AM	40.1	24.23	10.20	6AM-7AM	23.8	14.22	12.25
7AM-8AM	36.4	19.34	22.39	7AM-8AM	86.4	47.70	36.56	7AM-8AM	51.7	36.23	43.43
8AM-9AM	45.8	24.82	24.85	8AM-9AM	105.1	62.83	42.46	8AM-9AM	110.0	76.22	68.81
9AM-10AM	40.3	24.84	24.85	9AM-10AM	127.7	74.93	40.13	9AM-10AM	101.3	16.41	37.00
10AM-11AM	46.0	24.91	28.96	10AM-11AM	151.7	87.37	56.56	10AM-11AM	111.7	18.37	37.96
11AM-12PM	44.8	20.80	25.83	11AM-12PM	189.9	111.77	41.71	11AM-12PM	108.9	18.91	51.70
12PM-1PM	46.4	20.87	21.73	12PM-1PM	188.9	28.97	60.99	12PM-1PM	98.3	27.4	46.61
1PM-2PM	65.4	27.5	17.69	1PM-2PM	184.3	38.6	55.35	1PM-2PM	108.9	45.7	64.84
2PM-3PM	50.0	27.8	11.38	2PM-3PM	154.8	38.9	74.91	2PM-3PM	78.9	36.9	47.2
3PM-4PM	59.7	31.8	10.24	3PM-4PM	148.2	44.5	67.44	3PM-4PM	78.8	42.2	53.25
4PM-5PM	53.1	45.0	31.82	4PM-5PM	102.0	62.37	31.82	4PM-5PM	60.0	56.3	36.41
5PM-6PM	44.2	73.8	42.3	5PM-6PM	106.1	58.9	31.73	5PM-6PM	103.2	56.4	18.99
6PM-7PM	34.4	37.6	26.0	6PM-7PM	75.0	36.0	26.13	6PM-7PM	75.0	36.0	26.13
7PM-8PM	30.3	14.2	6.45	7PM-8PM	85.3	19.9	42.47	7PM-8PM	44.7	18.8	21.64
8PM-9PM	16.8	6.7	3.74	8PM-9PM	47.4	9.4	24.61	8PM-9PM	24.9	9.3	11.69
9PM-10PM	11.9	3.2	1.97	9PM-10PM	30.2	3.2	11.64	9PM-10PM	11.9	3.1	4.18
10PM-											

2030 Daily Delay		2030 Annual User Cost	
Hourly		Hourly	
No-Build	2,279	\$10,654,977	3,208
Concept C	1,472	\$7,013,312	2,289
Concept A	297	\$1,474,954	326
Concept B	0	\$0	-

NO-BUILD

Delay from HCS and hourly count sheet		Hourly Volume Distribution		
Intersection	Approach Delay	NB	SB	
12AM-1AM	8.6	1.74%	4.6	1.07%
1AM-2AM	8.8	1.78%	4.4	1.07%
2AM-3AM	7.6	1.54%	3.9	0.90%
3AM-4AM	8.3	1.68%	4.3	1.00%
4AM-5AM	9.6	1.94%	6.2	1.44%
5AM-6AM	12.2	2.47%	9.2	2.13%
6AM-7AM	16.1	3.26%	12.9	2.99%
7AM-8AM	30.3	6.14%	18.7	4.34%
8AM-9AM	31.4	6.30%	17.2	4.01%
9AM-10AM	23.9	4.84%	17.5	4.06%
10AM-11AM	22.6	4.58%	17.7	4.11%
11AM-12PM	23.7	4.80%	19.3	4.48%
12PM-1PM	24.4	4.94%	20.9	4.85%
1PM-2PM	24.9	5.04%	22.7	5.27%
2PM-3PM	28.0	5.67%	28.1	6.52%
3PM-4PM	36.9	7.47%	41.4	10.07%
4PM-5PM	38.2	7.73%	46.6	10.81%
5PM-6PM	39.3	7.96%	46.2	10.72%
6PM-7PM	27.2	5.51%	28.5	6.61%
7PM-8PM	20.1	4.07%	18.5	4.29%
8PM-9PM	16.9	3.42%	14.7	3.41%
9PM-10PM	13.7	2.77%	11.0	2.55%
10PM-11PM	11.2	2.27%	8.0	1.86%
11PM-12AM	9.0	2.00%	6.4	1.48%
Total Delay	493.8	100%	431	100%

CONCEPT D

Delay from HCS and hourly count sheet		Hourly Volume Distribution		
Intersection	Approach Delay	NB	SB	
12AM-1AM	8.6	1.74%	4.6	1.07%
1AM-2AM	8.8	1.78%	4.4	1.07%
2AM-3AM	7.6	1.54%	3.9	0.90%
3AM-4AM	8.3	1.68%	4.3	1.00%
4AM-5AM	9.6	1.94%	6.2	1.44%
5AM-6AM	12.2	2.47%	9.2	2.13%
6AM-7AM	16.1	3.26%	12.9	2.99%
7AM-8AM	30.3	6.14%	18.7	4.34%
8AM-9AM	31.4	6.30%	17.2	4.01%
9AM-10AM	23.9	4.84%	17.5	4.06%
10AM-11AM	22.6	4.58%	17.7	4.11%
11AM-12PM	23.7	4.80%	19.3	4.48%
12PM-1PM	24.4	4.94%	20.9	4.85%
1PM-2PM	24.9	5.04%	22.7	5.27%
2PM-3PM	28.0	5.67%	28.1	6.52%
3PM-4PM	36.9	7.47%	41.4	10.07%
4PM-5PM	38.2	7.73%	46.6	10.81%
5PM-6PM	39.3	7.96%	46.2	10.72%
6PM-7PM	27.2	5.51%	28.5	6.61%
7PM-8PM	20.1	4.07%	18.5	4.29%
8PM-9PM	16.9	3.42%	14.7	3.41%
9PM-10PM	13.7	2.77%	11.0	2.55%
10PM-11PM	11.2	2.27%	8.0	1.86%
11PM-12AM	9.0	2.00%	6.4	1.48%
Total Delay	493.8	100%	431	100%

CONCEPT C

Delay from HCS and hourly count sheet		Hourly Volume Distribution		
Intersection	Approach Delay	NB	SB	
12AM-1AM	8.6	1.74%	4.6	1.07%
1AM-2AM	8.8	1.78%	4.4	1.07%
2AM-3AM	7.6	1.54%	3.9	0.90%
3AM-4AM	8.3	1.68%	4.3	1.00%
4AM-5AM	9.6	1.94%	6.2	1.44%
5AM-6AM	12.2	2.47%	9.2	2.13%
6AM-7AM	16.1	3.26%	12.9	2.99%
7AM-8AM	30.3	6.14%	18.7	4.34%
8AM-9AM	31.4	6.30%	17.2	4.01%
9AM-10AM	23.9	4.84%	17.5	4.06%
10AM-11AM	22.6	4.58%	17.7	4.11%
11AM-12PM	23.7	4.80%	19.3	4.48%
12PM-1PM	24.4	4.94%	20.9	4.85%
1PM-2PM	24.9	5.04%	22.7	5.27%
2PM-3PM	28.0	5.67%	28.1	6.52%
3PM-4PM	36.9	7.47%	41.4	10.07%
4PM-5PM	38.2	7.73%	46.6	10.81%
5PM-6PM	39.3	7.96%	46.2	10.72%
6PM-7PM	27.2	5.51%	28.5	6.61%
7PM-8PM	20.1	4.07%	18.5	4.29%
8PM-9PM	16.9	3.42%	14.7	3.41%
9PM-10PM	13.7	2.77%	11.0	2.55%
10PM-11PM	11.2	2.27%	8.0	1.86%
11PM-12AM	9.0	2.00%	6.4	1.48%
Total Delay	493.8	100%	431	100%

CONCEPT B

Delay from HCS and hourly count sheet		Hourly Volume Distribution		
Intersection	Approach Delay	NB	SB	
12AM-1AM	8.6	1.74%	4.6	1.07%
1AM-2AM	8.8	1.78%	4.4	1.07%
2AM-3AM	7.6	1.54%	3.9	0.90%
3AM-4AM	8.3	1.68%	4.3	1.00%
4AM-5AM	9.6	1.94%	6.2	1.44%
5AM-6AM	12.2	2.47%	9.2	2.13%
6AM-7AM	16.1	3.26%	12.9	2.99%
7AM-8AM	30.3	6.14%	18.7	4.34%
8AM-9AM	31.4	6.30%	17.2	4.01%
9AM-10AM	23.9	4.84%	17.5	4.06%
10AM-11AM	22.6	4.58%	17.7	4.11%
11AM-12PM	23.7	4.80%	19.3	4.48%
12PM-1PM	24.4	4.94%	20.9	4.85%
1PM-2PM	24.9	5.04%	22.7	5.27%
2PM-3PM	28.0	5.67%	28.1	6.52%
3PM-4PM	36.9	7.47%	41.4	10.07%
4PM-5PM	38.2	7.73%	46.6	10.81%
5PM-6PM	39.3	7.96%	46.2	10.72%
6PM-7PM	27.2	5.51%	28.5	6.61%
7PM-8PM	20.1	4.07%	18.5	4.29%
8PM-9PM	16.9	3.42%	14.7	3.41%
9PM-10PM	13.7	2.77%	11.0	2.55%
10PM-11PM	11.2	2.27%	8.0	1.86%
11PM-12AM	9.0	2.00%	6.4	1.48%
Total Delay	493.8	100%	431	100%

CONCEPT A

Delay from HCS and hourly count sheet		Hourly Volume Distribution		
Intersection	Approach Delay	NB	SB	
12AM-1AM	8.6	1.74%	4.6	1.07%
1AM-2AM	8.8	1.78%	4.4	1.07%
2AM-3AM	7.6	1.54%	3.9	0.90%
3AM-4AM	8.3	1.68%	4.3	1.00%
4AM-5AM	9.6	1.94%	6.2	1.44%
5AM-6AM	12.2	2.47%	9.2	2.13%
6AM-7AM	16.1	3.26%	12.9	2.99%
7AM-8AM	30.3	6.14%	18.7	4.34%
8AM-9AM	31.4	6.30%	17.2	4.01%
9AM-10AM	23.9	4.84%	17.5	4.06%
10AM-11AM	22.6	4.58%	17.7	4.11%
11AM-12PM	23.7	4.80%	19.3	4.48%
12PM-1PM	24.4	4.94%	20.9	4.85%
1PM-2PM	24.9	5.04%	22.7	5.27%
2PM-3PM	28.0	5.67%	28.1	6.52%
3PM-4PM	36.9	7.47%	41.4	10.07%
4PM-5PM	38.2	7.73%	46.6	10.81%
5PM-6PM	39.3	7.96%	46.2	10.72%
6PM-7PM	27.2	5.51%	28.5	6.61%
7PM-8PM	20.1	4.07%	18.5	4.29%
8PM-9PM	16.9	3.42%	14.7	3.41%
9PM-10PM	13.7	2.77%	11.0	2.55%
10PM-11PM	11.2	2.27%	8.0	1.86%
11PM-12AM	9.0	2.00%	6.4	1.48%
Total Delay	493.8	100%	431	100%

Orange Point

Peak Hour Delays		Approach Delay	
Intersection	Delay	NB	SB
AM Peak Delay	11.6	0.0	0.0
PM Peak Delay	4.548	1.756	2.148
Volumes	4531	2266	1569

Hourly Turning Movement Count		Approach Delay	
Intersection	Delay	NB	SB
12AM-1AM	0.8	0.19	0.19
1AM-2AM	0.1	0.14	0.14
2AM-3AM	0.4	0.09	0.10
3AM-4AM	0.0	0.00	0.00
4AM-5AM	2.0	0.54	0.63
5AM-6AM	6.4	1.96	2.51
6AM-7AM	16.9	5.36	8.01
7AM-8AM	35.8	11.37	17.55
8AM-9AM	55.0	17.56	26.28
9AM-10AM	40.0	12.60	22.23
10AM-11AM	36.9	12.05	19.43
11AM-12PM	38.9	14.49	20.66
12PM-1PM	36.6	15.8	19.9
1PM-2PM	44.0	18.1	23.8
2PM-3PM	48.2	24.2	26.9
3PM-4PM	61.4	31.0	34.9
4PM-5PM	64.8	33.1	37.5
5PM-6PM	57.7	30.3	33.8
6PM-7PM	43.2	23.1	26.6
7PM-8PM	24.5	12.5	14.3
8PM-9PM	15.7	7.1	9.2
9PM-10PM	7.7	3.1	2.0
10PM-11PM	3.3	1.2	0.7
11PM-12AM	1.8	0.6	0.3
Total Delay	689.9	323.3	323.1

Corduroy

Peak Hour Delays		Approach Delay	
Intersection	Delay	NB	SB
AM Peak Delay	41.375	0.0	0.0
PM Peak Delay	17.58	2.442	1.603
Volumes	4893	2157	1640

Hourly Turning Movement Count		Approach Delay	
Intersection	Delay	NB	SB
12AM-1AM	0.7	0.15	0.15
1AM-2AM	0.3	0.11	0.12
2AM-3AM	0.0	0.00	0.00
3AM-4AM	0.0	0.00	0.00
4AM-5AM	1.7	0.43	0.51
5AM-6AM	5.5	1.57	2.09
6AM-7AM	14.5	4.20	5.63
7AM-8AM	30.5	8.59	11.37
8AM-9AM	56.0	16.81	22.00
9AM-10AM	41.4	12.11	16.11
10AM-11AM	38.8	12.03	15.84
11AM-12PM	39.1	15.68	17.06
12PM-1PM	37.3	15.0	16.2
1PM-2PM	44.5	18.1	20.8
2PM-3PM	49.2	23.0	24.1
3PM-4PM	61.4	31.0	34.9
4PM-5PM	64.3	33.1	37.5
5PM-6PM	57.8	30.3	33.8
6PM-7PM	43.2	23.1	26.6
7PM-8PM	23.3	11.9	14.5
8PM-9PM	15.7	7.1	9.2
9PM-10PM	7.7	3.1	2.0
10PM-11PM	3.3	1.2	0.7
11PM-12AM	1.8	0.6	0.3
Total Delay	693.7	295.6	295.0

Home

Peak Hour Delays		Approach Delay	
Intersection	Delay	NB	SB
AM Peak Delay	6839	1.460	1.642
PM Peak Delay	36.33	15.18	11.01
Volumes	6158	1844	1404

Hourly Turning Movement Count		Approach Delay	
Intersection	Delay	NB	SB
12AM-1AM	0.7	0.43	0.19
1AM-2AM	1.3	0.30	0.14
2AM-3AM	0.9	0.07	0.08
3AM-4AM	0.8	0.18	0.15
4AM-5AM	4.4	1.22	0.63
5AM-6AM	14.0	4.40	2.58
6AM-7AM	37.0	12.07	8.18
7AM-8AM	122.3	29.99	38.29
8AM-9AM	242.6	60.81	82.00
9AM-10AM	174.6	44.0	62.05
10AM-11AM	80.8	27.03	19.84
11AM-12PM	88.4	32.51	21.04
12PM-1PM	70.7	32.8	28.17
1PM-2PM	73.4	34.8	26.78
2PM-3PM	85.6	41.7	28.14
3PM-4PM	101.6	51.6	32.47
4PM-5PM	128.3	64.5	41.54
5PM-6PM	146.4	71.8	47.25
6PM-7PM	121.3	58.1	39.16
7PM-8PM	67.5	31.2	24.54
8PM-9PM	41.5	16.2	14.66
9PM-10PM	21.3	8.1	7.20
10PM-11PM	9.3	3.0	3.16
11PM-12AM	5.3	1.5	1.85
Total Delay	1395.3	387.4	382.2

Lewis Center

Peak Hour Delays		Approach Delay	
Intersection	Delay	NB	SB
AM Peak Delay	4915	1.387	1.592
PM Peak Delay	38.58	17.18	12.01
Volumes	4156	1912	1416

Hourly Turning Movement Count		Approach Delay	
Intersection	Delay	NB	SB
12AM-1AM	0.4	0.09	0.10
1AM-2AM	0.3	0.06	0.07
2AM-3AM	0.2	0.04	0.05
3AM-4AM	0.3	0.08	0.07
4AM-5AM	1.1	0.25	0.33
5AM-6AM	3.9	0.92	1.31
6AM-7AM	9.4	2.51	4.14
7AM-8AM	30.9	8.23	13.99
8AM-9AM	62.1	16.32	23.10
9AM-10AM	45.3	12.00	

Scenario	2050 Daily Delay (Hours)	2050 Annual User Cost (\$)
No-Build	0	0
Concept A	1,410	\$10,709,842
Concept B	583	\$3,844,071
Concept C	0	0

Delay from HCS and Hourly count sheet				Hourly Volume Distribution			
Intersection	Approach	Delay	Count	Volume	Percentage		
12AM-1AM	NB	0.6	1,746	4.6	1.07%		
12AM-1AM	SB	0.6	1,746	4.6	1.07%		
1AM-2AM	NB	1.1	4.4	1.07%	0.24%		
1AM-2AM	SB	1.1	4.4	1.07%	0.24%		
2AM-3AM	NB	1.7	1.9	0.90%	0.20%		
2AM-3AM	SB	1.7	1.9	0.90%	0.20%		
3AM-4AM	NB	1.8	4.3	1.00%	0.23%		
3AM-4AM	SB	1.8	4.3	1.00%	0.23%		
4AM-5AM	NB	1.9	6.2	1.44%	0.32%		
4AM-5AM	SB	1.9	6.2	1.44%	0.32%		
5AM-6AM	NB	2.2	2,476	9.2	2.13%		
5AM-6AM	SB	2.2	2,476	9.2	2.13%		
6AM-7AM	NB	3.2	3,206	12.9	2.99%		
6AM-7AM	SB	3.2	3,206	12.9	2.99%		
7AM-8AM	NB	6.1	16,438	38.8	8.89%		
7AM-8AM	SB	6.1	16,438	38.8	8.89%		
8AM-9AM	NB	11.4	6,303	17.2	4.01%		
8AM-9AM	SB	11.4	6,303	17.2	4.01%		
9AM-10AM	NB	23.9	4,846	17.5	4.06%		
9AM-10AM	SB	23.9	4,846	17.5	4.06%		
10AM-11AM	NB	22.6	4,586	17.7	4.11%		
10AM-11AM	SB	22.6	4,586	17.7	4.11%		
11AM-12PM	NB	23.7	4,806	19.3	4.48%		
11AM-12PM	SB	23.7	4,806	19.3	4.48%		
12PM-1PM	NB	24.4	4,946	20.9	4.85%		
12PM-1PM	SB	24.4	4,946	20.9	4.85%		
1PM-2PM	NB	24.9	5,046	22.7	5.27%		
1PM-2PM	SB	24.9	5,046	22.7	5.27%		
2PM-3PM	NB	28.0	5,676	28.1	6.52%		
2PM-3PM	SB	28.0	5,676	28.1	6.52%		
3PM-4PM	NB	36.9	7,476	43.4	10.07%		
3PM-4PM	SB	36.9	7,476	43.4	10.07%		
4PM-5PM	NB	38.2	7,236	46.6	10.81%		
4PM-5PM	SB	38.2	7,236	46.6	10.81%		
5PM-6PM	NB	39.3	7,966	46.2	10.72%		
5PM-6PM	SB	39.3	7,966	46.2	10.72%		
6PM-7PM	NB	27.2	5,516	28.5	6.61%		
6PM-7PM	SB	27.2	5,516	28.5	6.61%		
7PM-8PM	NB	20.1	4,076	18.5	4.29%		
7PM-8PM	SB	20.1	4,076	18.5	4.29%		
8PM-9PM	NB	16.9	3,426	14.7	3.41%		
8PM-9PM	SB	16.9	3,426	14.7	3.41%		
9PM-10PM	NB	13.7	2,776	11.0	2.55%		
9PM-10PM	SB	13.7	2,776	11.0	2.55%		
10PM-11PM	NB	11.2	2,276	8.0	1.86%		
10PM-11PM	SB	11.2	2,276	8.0	1.86%		
11PM-12AM	NB	9.0	2,006	6.4	1.48%		
11PM-12AM	SB	9.0	2,006	6.4	1.48%		
Total Delay		493.8	100%	431	100%	447.8	100%

Delay from HCS and Hourly count sheet				Hourly Volume Distribution			
Intersection	Approach	Delay	Count	Volume	Percentage		
12AM-1AM	NB	0.6	1,746	4.6	1.07%		
12AM-1AM	SB	0.6	1,746	4.6	1.07%		
1AM-2AM	NB	1.1	4.4	1.07%	0.24%		
1AM-2AM	SB	1.1	4.4	1.07%	0.24%		
2AM-3AM	NB	1.7	1.9	0.90%	0.20%		
2AM-3AM	SB	1.7	1.9	0.90%	0.20%		
3AM-4AM	NB	1.8	4.3	1.00%	0.23%		
3AM-4AM	SB	1.8	4.3	1.00%	0.23%		
4AM-5AM	NB	1.9	6.2	1.44%	0.32%		
4AM-5AM	SB	1.9	6.2	1.44%	0.32%		
5AM-6AM	NB	2.2	2,476	9.2	2.13%		
5AM-6AM	SB	2.2	2,476	9.2	2.13%		
6AM-7AM	NB	3.2	3,206	12.9	2.99%		
6AM-7AM	SB	3.2	3,206	12.9	2.99%		
7AM-8AM	NB	6.1	16,438	38.8	8.89%		
7AM-8AM	SB	6.1	16,438	38.8	8.89%		
8AM-9AM	NB	11.4	6,303	17.2	4.01%		
8AM-9AM	SB	11.4	6,303	17.2	4.01%		
9AM-10AM	NB	23.9	4,846	17.5	4.06%		
9AM-10AM	SB	23.9	4,846	17.5	4.06%		
10AM-11AM	NB	22.6	4,586	17.7	4.11%		
10AM-11AM	SB	22.6	4,586	17.7	4.11%		
11AM-12PM	NB	23.7	4,806	19.3	4.48%		
11AM-12PM	SB	23.7	4,806	19.3	4.48%		
12PM-1PM	NB	24.4	4,946	20.9	4.85%		
12PM-1PM	SB	24.4	4,946	20.9	4.85%		
1PM-2PM	NB	24.9	5,046	22.7	5.27%		
1PM-2PM	SB	24.9	5,046	22.7	5.27%		
2PM-3PM	NB	28.0	5,676	28.1	6.52%		
2PM-3PM	SB	28.0	5,676	28.1	6.52%		
3PM-4PM	NB	36.9	7,476	43.4	10.07%		
3PM-4PM	SB	36.9	7,476	43.4	10.07%		
4PM-5PM	NB	38.2	7,236	46.6	10.81%		
4PM-5PM	SB	38.2	7,236	46.6	10.81%		
5PM-6PM	NB	39.3	7,966	46.2	10.72%		
5PM-6PM	SB	39.3	7,966	46.2	10.72%		
6PM-7PM	NB	27.2	5,516	28.5	6.61%		
6PM-7PM	SB	27.2	5,516	28.5	6.61%		
7PM-8PM	NB	20.1	4,076	18.5	4.29%		
7PM-8PM	SB	20.1	4,076	18.5	4.29%		
8PM-9PM	NB	16.9	3,426	14.7	3.41%		
8PM-9PM	SB	16.9	3,426	14.7	3.41%		
9PM-10PM	NB	13.7	2,776	11.0	2.55%		
9PM-10PM	SB	13.7	2,776	11.0	2.55%		
10PM-11PM	NB	11.2	2,276	8.0	1.86%		
10PM-11PM	SB	11.2	2,276	8.0	1.86%		
11PM-12AM	NB	9.0	2,006	6.4	1.48%		
11PM-12AM	SB	9.0	2,006	6.4	1.48%		
Total Delay		203.1	100%	46.8	100%	143.3	100%

Delay from HCS and Hourly count sheet				Hourly Volume Distribution			
Intersection	Approach	Delay	Count	Volume	Percentage		
12AM-1AM	NB	0.6	1,746	4.6	1.07%		
12AM-1AM	SB	0.6	1,746	4.6	1.07%		
1AM-2AM	NB	1.1	4.4	1.07%	0.24%		
1AM-2AM	SB	1.1	4.4	1.07%	0.24%		
2AM-3AM	NB	1.7	1.9	0.90%	0.20%		
2AM-3AM	SB	1.7	1.9	0.90%	0.20%		
3AM-4AM	NB	1.8	4.3	1.00%	0.23%		
3AM-4AM	SB	1.8	4.3	1.00%	0.23%		
4AM-5AM	NB	1.9	6.2	1.44%	0.32%		
4AM-5AM	SB	1.9	6.2	1.44%	0.32%		
5AM-6AM	NB	2.2	2,476	9.2	2.13%		
5AM-6AM	SB	2.2	2,476	9.2	2.13%		
6AM-7AM	NB	3.2	3,206	12.9	2.99%		
6AM-7AM	SB	3.2	3,206	12.9	2.99%		
7AM-8AM	NB	6.1	16,438	38.8	8.89%		
7AM-8AM	SB	6.1	16,438	38.8	8.89%		
8AM-9AM	NB	11.4	6,303	17.2	4.01%		
8AM-9AM	SB	11.4	6,303	17.2	4.01%		
9AM-10AM	NB	23.9	4,846	17.5	4.06%		
9AM-10AM	SB	23.9	4,846	17.5	4.06%		
10AM-11AM	NB	22.6	4,586	17.7	4.11%		
10AM-11AM	SB	22.6	4,586	17.7	4.11%		
11AM-12PM	NB	23.7	4,806	19.3	4.48%		
11AM-12PM	SB	23.7	4,806	19.3	4.48%		
12PM-1PM	NB	24.4	4,946	20.9	4.85%		
12PM-1PM	SB	24.4	4,946	20.9	4.85%		
1PM-2PM	NB	24.9	5,046	22.7	5.27%		
1PM-2PM	SB	24.9	5,046	22.7	5.27%		
2PM-3PM	NB	28.0	5,676	28.1	6.52%		
2PM-3PM	SB	28.0	5,676	28.1	6.52%		
3PM-4PM	NB	36.9	7,476	43.4	10.07%		
3PM-4PM	SB	36.9	7,476	43.4	10.07%		
4PM-5PM	NB	38.2	7,236	46.6	10.81%		
4PM-5PM	SB	38.2	7,236	46.6	10.81%		
5PM-6PM	NB	39.3	7,966	46.2	10.72%		
5PM-6PM	SB	39.3	7,966	46.2	10.72%		
6PM-7PM	NB	27.2	5,516	28.5	6.61%		
6PM-7PM	SB	27.2	5,516	28.5	6.61%		
7PM-8PM	NB	20.1	4,076	18.5	4.29%		
7PM-8PM	SB	20.1	4,076	18.5	4.29%		
8PM-9PM	NB	16.9	3,426	14.7	3.41%		
8PM-9PM	SB	16.9	3,426	14.7	3.41%		
9PM-10PM	NB	13.7	2,776	11.0	2.55%		
9PM-10PM	SB	13.7	2,776	11.0	2.55%		
10PM-11PM	NB	11.2	2,276	8.0	1.86%		
10PM-11PM	SB	11.2	2,276	8.0	1.86%		
11PM-12AM	NB	9.0	2,006	6.4	1.48%		
11PM-12AM	SB	9.0	2,006	6.4	1.48%		
Total Delay		100%	100%	100%	100%	100%	100%

Delay from HCS and Hourly count sheet				Hourly Volume Distribution			
Intersection	Approach	Delay	Count	Volume	Percentage		
12AM-1AM	NB	0.6	1,746	4.6	1.07%		
12AM-1AM	SB	0.6	1,746	4.6	1.07%		
1AM-2AM	NB	1.1	4.4	1.07%	0.24%		
1AM-2AM	SB	1.1	4.4	1.07%	0.24%		
2AM-3AM	NB	1.7	1.9	0.90%	0.20%		
2AM-3AM	SB	1.7	1.9	0.90%	0.20%		
3AM-4AM	NB	1.8	4.3	1.00%	0.23%		
3AM-4AM	SB	1.8	4.3	1.00%	0.23%		
4AM-5AM	NB	1.9	6.2	1.44%	0.32%		
4AM-5AM	SB	1.9	6.2	1.44%	0.32%		
5AM-6AM	NB	2.2	2,476	9.2	2.13%		
5AM-6AM	SB	2.2	2,476	9.2	2.13%		
6AM-7AM	NB	3.2	3,206	12.9	2.99%		
6AM-7AM	SB	3.2	3,206	12.9	2.99%		
7AM-8AM	NB	6.1	16,438	38.8	8.89%		
7AM-8AM	SB	6.1	16,438	38.8	8.89%		
8AM-9AM	NB	11.4	6,303	17.2	4.01%		
8AM-9AM	SB	11.4	6,303	17.2	4.01%		
9AM-10AM	NB	23.9	4,846	17.5	4.06%		
9AM-10AM	SB	23.9	4,846	17.5	4.06%		
10AM-11AM	NB	22.6	4,586	17.7	4.11%		
10AM-11AM	SB	22.6	4,586	17.7	4.11%		
11AM-12PM	NB	23.7	4,806	19.3	4.48%		
11AM-12PM	SB	23.7	4,806	19.3	4.48%		
12PM-1PM	NB	24.4	4,946	20.9	4.85%		
12PM-1PM	SB	24.4	4,946	20.9	4.85%		
1PM-2PM	NB	24.9	5,046	22.7	5.27%		
1PM-2PM	SB	24.9	5,046	22.7	5.27%		
2PM-3PM	NB	28.0	5,676	28.1	6.52%		
2PM-3PM	SB	28.0	5,676	28.1	6.52%		
3PM-4PM	NB	36.9	7,476	43.4	10.07%		
3PM-4PM	SB	36.9	7,476	43.4	10.07%		
4PM-5PM	NB	38.2	7,236	46.6	10.81%		
4PM-5PM	SB	38.2	7,236	46.6	10.81%		
5PM-6PM	NB	39.3	7,966	46.2	10.72%		
5PM-6PM	SB	39.3	7,966	46.2	10.72%		
6PM-7PM	NB	27.2	5,516	28.5	6.61%		
6PM-7PM	SB	27.2	5,516	28.5	6.61%		
7PM-8PM	NB	20.1	4,076	18.5	4.29%		
7PM-8PM	SB	20.1	4,076	18.5	4.29%		
8PM-9PM	NB	16.9	3,426	14.7	3.41%		
8PM-9PM	SB	16.9	3,426	14.7	3.41%		
9PM-10PM	NB	13.7	2,776	11.0	2.55%		
9PM-10PM	SB	13.7	2,776	11.0	2.55%		
10PM-11PM	NB	11.2	2,276	8.0	1.86%		
10PM-11PM	SB	11.2	2,276	8.0	1.86%		
11PM-12AM	NB	9.0	2,006	6.4	1.48%		
11PM-12AM	SB	9.0	2,006	6.4	1.48%		
Total Delay		100%	100%	100%	100%	100%	100%

Delay from HCS and Hourly count sheet				Hourly Volume Distribution	
Intersection	Approach	Delay	Count	Volume	Percentage

	2030 Daily Delay Hours	2030 Annual User Cost
No-Build	726	\$5,083,321
Concept D	272	\$1,967,336
Concept C	5	\$0
Concept B	0	\$0
Concept A	0	\$0

NO-BUILD		Hourly Volume Distribution						
Delay (from HCM and hourly count sheet)		Intersection						
Approach	Delay	NB	SB					
12AM-1AM	13.1	2.34%	3.1	1.04%	4.2	0.77%	0.003	0.003
1AM-2AM	13.7	2.36%	3.6	0.96%	1.8	0.89%	0.002	0.003
2AM-3AM	13.6	2.34%	3.3	0.88%	1.4	0.67%	0.002	0.002
3AM-4AM	13.9	2.39%	3.9	1.04%	4.2	0.77%	0.003	0.003
4AM-5AM	14.4	2.48%	4.8	1.28%	5.7	1.04%	0.008	0.009
5AM-6AM	15.8	2.72%	5.5	1.46%	7.2	1.31%	0.017	0.023
6AM-7AM	18.0	3.27%	10.1	2.68%	14.7	2.68%	0.034	0.047
7AM-8AM	38.1	6.04%	21.0	5.58%	43.6	7.95%	0.055	0.079
8AM-9AM	62.2	7.28%	22.2	5.90%	66.5	12.13%	0.057	0.086
9AM-10AM	29.6	5.10%	18.8	5.00%	19.8	6.53%	0.053	0.073
10AM-11AM	25.5	4.39%	17.3	4.60%	16.4	4.82%	0.052	0.066
11AM-12PM	26.0	4.48%	18.7	4.97%	17.1	4.94%	0.057	0.065
12PM-1PM	26.7	4.60%	19.9	5.29%	18.4	5.18%	0.062	0.064
1PM-2PM	25.5	4.39%	19.3	5.13%	15.4	4.63%	0.063	0.059
2PM-3PM	26.7	4.60%	21.2	5.64%	17.6	5.04%	0.069	0.059
3PM-4PM	33.6	5.78%	29.4	7.81%	18.6	7.04%	0.079	0.061
4PM-5PM	46.8	8.06%	43.3	11.30%	33.5	9.76%	0.090	0.062
5PM-6PM	48.9	8.42%	47.5	12.63%	42.4	11.38%	0.089	0.065
6PM-7PM	26.0	4.48%	16.4	4.36%	13.0	4.20%	0.068	0.053
7PM-8PM	19.6	3.37%	13.6	3.62%	11.5	2.79%	0.053	0.043
8PM-9PM	17.5	3.01%	9.9	2.63%	11.5	2.30%	0.040	0.034
9PM-10PM	15.6	2.69%	6.3	1.67%	7.6	1.39%	0.024	0.021
10PM-11PM	14.5	2.50%	5.4	1.44%	6.5	1.19%	0.013	0.012
11PM-12AM	14.1	2.43%	4.9	1.30%	5.7	1.04%	0.008	0.008
Total Delay	580.9	100%	376.2	100%	348.1	100%	100%	100%

CONCEPT D		Hourly Volume Distribution						
Delay (from HCM and hourly count sheet)		Intersection						
Approach	Delay	NB	SB					
12AM-1AM	11.1	2.34%	3.1	1.04%	4.2	0.77%	0.003	0.003
1AM-2AM	13.7	2.36%	3.6	0.96%	1.8	0.89%	0.002	0.003
2AM-3AM	13.6	2.34%	3.3	0.88%	1.4	0.67%	0.002	0.002
3AM-4AM	13.9	2.39%	3.9	1.04%	4.2	0.77%	0.003	0.003
4AM-5AM	14.4	2.48%	4.8	1.28%	5.7	1.04%	0.008	0.009
5AM-6AM	15.8	2.72%	5.5	1.46%	7.2	1.31%	0.017	0.023
6AM-7AM	18.0	3.27%	10.1	2.68%	14.7	2.68%	0.034	0.047
7AM-8AM	38.1	6.04%	21.0	5.58%	43.6	7.95%	0.055	0.079
8AM-9AM	62.2	7.28%	22.2	5.90%	66.5	12.13%	0.057	0.086
9AM-10AM	29.6	5.10%	18.8	5.00%	19.8	6.53%	0.053	0.073
10AM-11AM	25.5	4.39%	17.3	4.60%	16.4	4.82%	0.052	0.066
11AM-12PM	26.0	4.48%	18.7	4.97%	17.1	4.94%	0.057	0.065
12PM-1PM	26.7	4.60%	19.9	5.29%	18.4	5.18%	0.062	0.064
1PM-2PM	25.5	4.39%	19.3	5.13%	15.4	4.63%	0.063	0.059
2PM-3PM	26.7	4.60%	21.2	5.64%	17.6	5.04%	0.069	0.059
3PM-4PM	33.6	5.78%	29.4	7.81%	18.6	7.04%	0.079	0.061
4PM-5PM	46.8	8.06%	43.3	11.30%	33.5	9.76%	0.090	0.062
5PM-6PM	48.9	8.42%	47.5	12.63%	42.4	11.38%	0.089	0.065
6PM-7PM	26.0	4.48%	16.4	4.36%	13.0	4.20%	0.068	0.053
7PM-8PM	19.6	3.37%	13.6	3.62%	11.5	2.79%	0.053	0.043
8PM-9PM	17.5	3.01%	9.9	2.63%	11.5	2.30%	0.040	0.034
9PM-10PM	15.6	2.69%	6.3	1.67%	7.6	1.39%	0.024	0.021
10PM-11PM	14.5	2.50%	5.4	1.44%	6.5	1.19%	0.013	0.012
11PM-12AM	14.1	2.43%	4.9	1.30%	5.7	1.04%	0.008	0.008
Total Delay	580.9	100%	376.2	100%	348.1	100%	100%	100%

CONCEPT C		Hourly Volume Distribution						
Delay (from HCM and hourly count sheet)		Intersection						
Approach	Delay	NB	SB					
12AM-1AM	11.1	2.34%	3.1	1.04%	4.2	0.77%	0.003	0.003
1AM-2AM	13.7	2.36%	3.6	0.96%	1.8	0.89%	0.002	0.003
2AM-3AM	13.6	2.34%	3.3	0.88%	1.4	0.67%	0.002	0.002
3AM-4AM	13.9	2.39%	3.9	1.04%	4.2	0.77%	0.003	0.003
4AM-5AM	14.4	2.48%	4.8	1.28%	5.7	1.04%	0.008	0.009
5AM-6AM	15.8	2.72%	5.5	1.46%	7.2	1.31%	0.017	0.023
6AM-7AM	18.0	3.27%	10.1	2.68%	14.7	2.68%	0.034	0.047
7AM-8AM	38.1	6.04%	21.0	5.58%	43.6	7.95%	0.055	0.079
8AM-9AM	62.2	7.28%	22.2	5.90%	66.5	12.13%	0.057	0.086
9AM-10AM	29.6	5.10%	18.8	5.00%	19.8	6.53%	0.053	0.073
10AM-11AM	25.5	4.39%	17.3	4.60%	16.4	4.82%	0.052	0.066
11AM-12PM	26.0	4.48%	18.7	4.97%	17.1	4.94%	0.057	0.065
12PM-1PM	26.7	4.60%	19.9	5.29%	18.4	5.18%	0.062	0.064
1PM-2PM	25.5	4.39%	19.3	5.13%	15.4	4.63%	0.063	0.059
2PM-3PM	26.7	4.60%	21.2	5.64%	17.6	5.04%	0.069	0.059
3PM-4PM	33.6	5.78%	29.4	7.81%	18.6	7.04%	0.079	0.061
4PM-5PM	46.8	8.06%	43.3	11.30%	33.5	9.76%	0.090	0.062
5PM-6PM	48.9	8.42%	47.5	12.63%	42.4	11.38%	0.089	0.065
6PM-7PM	26.0	4.48%	16.4	4.36%	13.0	4.20%	0.068	0.053
7PM-8PM	19.6	3.37%	13.6	3.62%	11.5	2.79%	0.053	0.043
8PM-9PM	17.5	3.01%	9.9	2.63%	11.5	2.30%	0.040	0.034
9PM-10PM	15.6	2.69%	6.3	1.67%	7.6	1.39%	0.024	0.021
10PM-11PM	14.5	2.50%	5.4	1.44%	6.5	1.19%	0.013	0.012
11PM-12AM	14.1	2.43%	4.9	1.30%	5.7	1.04%	0.008	0.008
Total Delay	580.9	100%	376.2	100%	348.1	100%	100%	100%

CONCEPT B		Hourly Volume Distribution						
Delay (from HCM and hourly count sheet)		Intersection						
Approach	Delay	NB	SB					
12AM-1AM	11.1	2.34%	3.1	1.04%	4.2	0.77%	0.003	0.003
1AM-2AM	13.7	2.36%	3.6	0.96%	1.8	0.89%	0.002	0.003
2AM-3AM	13.6	2.34%	3.3	0.88%	1.4	0.67%	0.002	0.002
3AM-4AM	13.9	2.39%	3.9	1.04%	4.2	0.77%	0.003	0.003
4AM-5AM	14.4	2.48%	4.8	1.28%	5.7	1.04%	0.008	0.009
5AM-6AM	15.8	2.72%	5.5	1.46%	7.2	1.31%	0.017	0.023
6AM-7AM	18.0	3.27%	10.1	2.68%	14.7	2.68%	0.034	0.047
7AM-8AM	38.1	6.04%	21.0	5.58%	43.6	7.95%	0.055	0.079
8AM-9AM	62.2	7.28%	22.2	5.90%	66.5	12.13%	0.057	0.086
9AM-10AM	29.6	5.10%	18.8	5.00%	19.8	6.53%	0.053	0.073
10AM-11AM	25.5	4.39%	17.3	4.60%	16.4	4.82%	0.052	0.066
11AM-12PM	26.0	4.48%	18.7	4.97%	17.1	4.94%	0.057	0.065
12PM-1PM	26.7	4.60%	19.9	5.29%	18.4	5.18%	0.062	0.064
1PM-2PM	25.5	4.39%	19.3	5.13%	15.4	4.63%	0.063	0.059
2PM-3PM	26.7	4.60%	21.2	5.64%	17.6	5.04%	0.069	0.059
3PM-4PM	33.6	5.78%	29.4	7.81%	18.6	7.04%	0.079	0.061
4PM-5PM	46.8	8.06%	43.3	11.30%	33.5	9.76%	0.090	0.062
5PM-6PM	48.9	8.42%	47.5	12.63%	42.4	11.38%	0.089	0.065
6PM-7PM	26.0	4.48%	16.4	4.36%	13.0	4.20%	0.068	0.053
7PM-8PM	19.6	3.37%	13.6	3.62%	11.5	2.79%	0.053	0.043
8PM-9PM	17.5	3.01%	9.9	2.63%	11.5	2.30%	0.040	0.034
9PM-10PM	15.6	2.69%	6.3	1.67%	7.6	1.39%	0.024	0.021
10PM-11PM	14.5	2.50%	5.4	1.44%	6.5	1.19%	0.013	0.012
11PM-12AM	14.1	2.43%	4.9	1.30%	5.7	1.04%	0.008	0.008
Total Delay	580.9	100%	376.2	100%	348.1	100%	100%	100%

CONCEPT A		Hourly Volume Distribution						
Delay (from HCM and hourly count sheet)		Intersection						
Approach	Delay	NB	SB					
12AM-1AM	11.1	2.34%	3.1	1.04%	4.2	0.77%	0.003	0.003
1AM-2AM	13.7	2.36%	3.6	0.96%	1.8	0.89%	0.002	0.003
2AM-3AM	13.6	2.34%	3.3	0.88%	1.4	0.67%	0.002	0.002
3AM-4AM	13.9	2.39%	3.9	1.04%	4.2	0.77%	0.003	0.003
4AM-5AM	14.4	2.48%	4.8	1.28%	5.7	1.04%	0.008	0.009
5AM-6AM	15.8	2.72%	5.5	1.46%	7.2	1.31%	0.017	0.023
6AM-7AM	18.0	3.27%	10.1	2.68%	14.7	2.68%	0.034	0.047
7AM-8AM	38.1	6.04%	21.0	5.58%	43.6	7.95%	0.055	0.079
8AM-9AM	62.2	7.28%	22.2	5.90%	66.5	12.13%	0.057	0.086
9AM-10AM	29.6	5.10%	18.8	5.00%	19.8	6.53%	0.053	0.073
10AM-11AM	25.5	4.39%	17.3	4.60%	16.4	4.82%	0.052	0.066
11AM-12PM	26.0	4.48%	18.7	4.97%	17.1	4.94%	0.057	0.065
12PM-1PM	26.7	4.60%	19.9	5.29%	18.4	5.18%	0.062	0.064
1PM-2PM	25.5	4.39%	19.3	5.13%	15.4	4.63%	0.063	0.059
2PM-3PM	26.7	4.60%	21.2	5.64%	17.6	5.04%	0.069	0.059
3PM-4PM	33.6	5.78%	29.4	7.81%	18.6	7.04%	0.079	0.061
4PM-5PM	46.8	8.06%	43.3	11.30%	33.5	9.76%	0.090	0.062
5PM-6PM	48.9	8.42%	47.5	12.63%	42.4	11.38%	0.089	0.065
6PM-7PM	26.0	4.48%	16.4	4.36%	13.0	4.20%	0.068	0.053
7PM-8PM	19.6	3.37%	13.6	3.62%	11.5	2.79%	0.053	0.043
8PM-9PM	17.5	3.01%	9.9	2.63%	11.5	2.30%	0.040	0.034
9PM-10PM	15.6	2.69%	6.3	1.67%	7.6	1.39%	0.024	0.021
10PM-11PM	14.5	2.50%	5.4	1.44%	6.5	1.19%	0.013	0.012
11PM-12AM	14.1	2.43%	4.9	1.30%	5.7	1.04%	0.008	0.008
Total Delay	580.9	100%	376.2	100%	348.1	100%	100%	100%

Hyatts/Shanahan		Hourly Volume Distribution	
Delay (from HCM and hourly count sheet)		Intersection	
Approach	Delay	NB	SB
12AM-1AM	0.0	0.00%	0.0

2050 Daily Delay		2050 Annual User Co	
Hours		Cost	
No-Build	1,862	27,902,977	1,862
Concept C	167	24,317,542	1,088
Concept B	471	53,296,137	617
Concept A	5	50	-

NO-BUILD

Delay (from HCM and hourly count sheet)		Hourly Volume Distribution	
Intersection	Approach Delay	Intersection	Approach Delay
Delay	Delay	Delay	Delay
12AM-1AM	13.6	2.34%	3.9
1AM-2AM	13.7	2.36%	3.6
2AM-3AM	13.9	2.39%	3.9
3AM-4AM	14.4	2.48%	4.8
4AM-5AM	15.8	2.72%	5.5
5AM-6AM	18.0	3.27%	10.1
6AM-7AM	38.1	6.04%	21.0
7AM-8AM	85.2	12.78%	22.2
8AM-9AM	29.6	5.10%	18.8
9AM-10AM	25.5	4.39%	17.3
10AM-11AM	26.0	4.48%	18.7
11AM-12PM	26.7	4.60%	19.9
12PM-1PM	25.5	4.39%	19.3
1PM-2PM	26.7	4.60%	21.2
2PM-3PM	33.6	5.78%	29.4
3PM-4PM	38.8	6.06%	33.3
4PM-5PM	48.9	7.62%	47.5
5PM-6PM	26.0	4.48%	16.4
6PM-7PM	19.8	3.37%	13.6
7PM-8PM	17.5	3.01%	9.9
8PM-9PM	15.6	2.69%	6.3
9PM-10PM	14.5	2.50%	5.4
10PM-11PM	14.1	2.43%	4.9
11PM-12AM	14.1	2.43%	4.9
Total Delay	580.9	100%	376.2

CONCEPT D

Delay (from HCM and hourly count sheet)		Hourly Volume Distribution	
Intersection	Approach Delay	Intersection	Approach Delay
Delay	Delay	Delay	Delay
12AM-1AM	13.6	2.34%	3.9
1AM-2AM	13.7	2.36%	3.6
2AM-3AM	13.9	2.39%	3.9
3AM-4AM	14.4	2.48%	4.8
4AM-5AM	15.8	2.72%	5.5
5AM-6AM	18.0	3.27%	10.1
6AM-7AM	38.1	6.04%	21.0
7AM-8AM	85.2	12.78%	22.2
8AM-9AM	29.6	5.10%	18.8
9AM-10AM	25.5	4.39%	17.3
10AM-11AM	26.0	4.48%	18.7
11AM-12PM	26.7	4.60%	19.9
12PM-1PM	25.5	4.39%	19.3
1PM-2PM	26.7	4.60%	21.2
2PM-3PM	33.6	5.78%	29.4
3PM-4PM	38.8	6.06%	33.3
4PM-5PM	48.9	7.62%	47.5
5PM-6PM	26.0	4.48%	16.4
6PM-7PM	19.8	3.37%	13.6
7PM-8PM	17.5	3.01%	9.9
8PM-9PM	15.6	2.69%	6.3
9PM-10PM	14.5	2.50%	5.4
10PM-11PM	14.1	2.43%	4.9
11PM-12AM	14.1	2.43%	4.9
Total Delay	100%	100%	100%

CONCEPT C

Delay (from HCM and hourly count sheet)		Hourly Volume Distribution	
Intersection	Approach Delay	Intersection	Approach Delay
Delay	Delay	Delay	Delay
12AM-1AM	13.6	2.34%	3.9
1AM-2AM	13.7	2.36%	3.6
2AM-3AM	13.9	2.39%	3.9
3AM-4AM	14.4	2.48%	4.8
4AM-5AM	15.8	2.72%	5.5
5AM-6AM	18.0	3.27%	10.1
6AM-7AM	38.1	6.04%	21.0
7AM-8AM	85.2	12.78%	22.2
8AM-9AM	29.6	5.10%	18.8
9AM-10AM	25.5	4.39%	17.3
10AM-11AM	26.0	4.48%	18.7
11AM-12PM	26.7	4.60%	19.9
12PM-1PM	25.5	4.39%	19.3
1PM-2PM	26.7	4.60%	21.2
2PM-3PM	33.6	5.78%	29.4
3PM-4PM	38.8	6.06%	33.3
4PM-5PM	48.9	7.62%	47.5
5PM-6PM	26.0	4.48%	16.4
6PM-7PM	19.8	3.37%	13.6
7PM-8PM	17.5	3.01%	9.9
8PM-9PM	15.6	2.69%	6.3
9PM-10PM	14.5	2.50%	5.4
10PM-11PM	14.1	2.43%	4.9
11PM-12AM	14.1	2.43%	4.9
Total Delay	100%	100%	100%

CONCEPT B

Delay (from HCM and hourly count sheet)		Hourly Volume Distribution	
Intersection	Approach Delay	Intersection	Approach Delay
Delay	Delay	Delay	Delay
12AM-1AM	13.6	2.34%	3.9
1AM-2AM	13.7	2.36%	3.6
2AM-3AM	13.9	2.39%	3.9
3AM-4AM	14.4	2.48%	4.8
4AM-5AM	15.8	2.72%	5.5
5AM-6AM	18.0	3.27%	10.1
6AM-7AM	38.1	6.04%	21.0
7AM-8AM	85.2	12.78%	22.2
8AM-9AM	29.6	5.10%	18.8
9AM-10AM	25.5	4.39%	17.3
10AM-11AM	26.0	4.48%	18.7
11AM-12PM	26.7	4.60%	19.9
12PM-1PM	25.5	4.39%	19.3
1PM-2PM	26.7	4.60%	21.2
2PM-3PM	33.6	5.78%	29.4
3PM-4PM	38.8	6.06%	33.3
4PM-5PM	48.9	7.62%	47.5
5PM-6PM	26.0	4.48%	16.4
6PM-7PM	19.8	3.37%	13.6
7PM-8PM	17.5	3.01%	9.9
8PM-9PM	15.6	2.69%	6.3
9PM-10PM	14.5	2.50%	5.4
10PM-11PM	14.1	2.43%	4.9
11PM-12AM	14.1	2.43%	4.9
Total Delay	100%	100%	100%

CONCEPT A

Delay (from HCM and hourly count sheet)		Hourly Volume Distribution	
Intersection	Approach Delay	Intersection	Approach Delay
Delay	Delay	Delay	Delay
12AM-1AM	13.6	2.34%	3.9
1AM-2AM	13.7	2.36%	3.6
2AM-3AM	13.9	2.39%	3.9
3AM-4AM	14.4	2.48%	4.8
4AM-5AM	15.8	2.72%	5.5
5AM-6AM	18.0	3.27%	10.1
6AM-7AM	38.1	6.04%	21.0
7AM-8AM	85.2	12.78%	22.2
8AM-9AM	29.6	5.10%	18.8
9AM-10AM	25.5	4.39%	17.3
10AM-11AM	26.0	4.48%	18.7
11AM-12PM	26.7	4.60%	19.9
12PM-1PM	25.5	4.39%	19.3
1PM-2PM	26.7	4.60%	21.2
2PM-3PM	33.6	5.78%	29.4
3PM-4PM	38.8	6.06%	33.3
4PM-5PM	48.9	7.62%	47.5
5PM-6PM	26.0	4.48%	16.4
6PM-7PM	19.8	3.37%	13.6
7PM-8PM	17.5	3.01%	9.9
8PM-9PM	15.6	2.69%	6.3
9PM-10PM	14.5	2.50%	5.4
10PM-11PM	14.1	2.43%	4.9
11PM-12AM	14.1	2.43%	4.9
Total Delay	100%	100%	100%

Hyatts/Shanahan

Peak Hour Delays		Approach Delay	
Intersection	Delay	Intersection	Delay
Delay	Delay	Delay	Delay
Peak Delay	0.0	0.0	0.0
Volumes	5,076	1,307	2,128
Peak Delay	0.0	0.0	0.0
Volumes	5,667	2,064	1,539

Hourly Turning Movement Count		Approach Delay	
Intersection	Delay	Intersection	Delay
Delay	Delay	Delay	Delay
12AM-1AM	0.0	0.0	0.0
1AM-2AM	0.0	0.0	0.0
2AM-3AM	0.0	0.0	0.0
3AM-4AM	0.0	0.0	0.0
4AM-5AM	0.0	0.0	0.0
5AM-6AM	0.0	0.0	0.0
6AM-7AM	0.0	0.0	0.0
7AM-8AM	0.0	0.0	0.0
8AM-9AM	0.0	0.0	0.0
9AM-10AM	0.0	0.0	0.0
10AM-11AM	0.0	0.0	0.0
11AM-12PM	0.0	0.0	0.0
12PM-1PM	0.0	0.0	0.0
1PM-2PM	0.0	0.0	0.0
2PM-3PM	0.0	0.0	0.0
3PM-4PM	0.0	0.0	0.0
4PM-5PM	0.0	0.0	0.0
5PM-6PM	0.0	0.0	0.0
6PM-7PM	0.0	0.0	0.0
7PM-8PM	0.0	0.0	0.0
8PM-9PM	0.0	0.0	0.0
9PM-10PM	0.0	0.0	0.0
10PM-11PM	0.0	0.0	0.0
11PM-12AM	0.0	0.0	0.0
Total Delay	0.0	0.0	0.0

AM Peak Delay: 0.00, 0.00, 0.00
PM Peak Delay: 0.00, 0.00, 0.00

Hourly Turning Movement Count		Approach Delay	
Intersection	Delay	Intersection	Delay
Delay	Delay	Delay	Delay
12AM-1AM	0.0	0.0	0.0
1AM-2AM	0.0	0.0	0.0
2AM-3AM	0.0	0.0	0.0
3AM-4AM	0.0	0.0	0.0
4AM-5AM	0.0	0.0	0.0
5AM-6AM	0.0	0.0	0.0
6AM-7AM	0.0	0.0	0.0
7AM-8AM	0.0	0.0	0.0
8AM-9AM	0.0	0.0	0.0
9AM-10AM	0.0	0.0	0.0
10AM-11AM	0.0	0.0	0.0
11AM-12PM	0.0	0.0	0.0
12PM-1PM	0.0	0.0	0.0
1PM-2PM	0.0	0.0	0.0
2PM-3PM	0.0	0.0	0.0
3PM-4PM	0.0	0.0	0.0
4PM-5PM	0.0	0.0	0.0
5PM-6PM	0.0	0.0	0.0
6PM-7PM	0.0	0.0	0.0
7PM-8PM	0.0	0.0	0.0
8PM-9PM	0.0	0.0	0.0
9PM-10PM	0.0	0.0	0.0
10PM-11PM	0.0	0.0	0.0
11PM-12AM	0.0	0.0	0.0
Total Delay	0.0	0.0	0.0

AM Peak Delay: 0.00, 0.00, 0.00
PM Peak Delay: 0.00, 0.00, 0.00

Hourly Turning Movement Count		Approach Delay	
Intersection	Delay	Intersection	Delay
Delay	Delay	Delay	Delay
12AM-1AM	0.0	0.0	0.0
1AM-2AM	0.0	0.0	0.0
2AM-3AM	0.0	0.0	0.0
3AM-4AM	0.0	0.0	0.0
4AM-5AM	0.0	0.0	0.0
5AM-6AM	0.0	0.0	0.0
6AM-7AM	0.0	0.0	0.0
7AM-8AM	0.0	0.0	0.0
8AM-9AM	0.0	0.0	0.0
9AM-10AM	0.0	0.0	0.0
10AM-11AM	0.0	0.0	0.0
11AM-12PM	0.0	0.0	0.0
12PM-1PM	0.0	0.0	0.0
1PM-2PM	0.0	0.0	0.0
2PM-3PM	0.0	0.0	0.0
3PM-4PM	0.0	0.0	0.0
4PM-5PM	0.0	0.0	0.0
5PM-6PM	0.0	0.0	0.0
6PM-7PM	0.0	0.0	0.0
7PM-8PM	0.0	0.0	0.0
8PM-9PM	0.0	0.0	0.0
9PM-10PM	0.0	0.0	0.0
10PM-11PM	0.0	0.0	0.0
11PM-12AM	0.0	0.0	0.0
Total Delay	0.0	0.0	0.0

AM Peak Delay: 0.00, 0.00, 0.00
PM Peak Delay: 0.00, 0.00, 0.00

Hourly Turning Movement Count		Approach Delay	
Intersection	Delay	Intersection	Delay
Delay	Delay	Delay	Delay
12AM-1AM	0.0	0.0	0.0
1AM-2AM	0.0	0.0	0.0
2AM-3AM	0.0	0.0	0.0
3AM-4AM	0.0	0.0	0.0
4AM-5AM	0.0	0.0	0.0
5AM-6AM	0.0	0.0	0.0
6AM-7AM	0.0	0.0	0.0
7AM-8AM	0.0	0.0	0.0
8AM-9AM	0.0	0.0	0.0
9AM-10AM	0.0	0.0	0.0
10AM-11AM	0.0	0.0	0.0
11AM-12PM	0.0	0.0	0.0
12PM-1PM	0.0	0.0	0.0
1PM-2PM	0.0	0.0	0.0
2PM-3PM	0.0	0.0	0.0
3PM-4PM	0.0	0.0	0.0
4PM-5PM	0.0	0.0	0.0
5PM-6PM	0.0	0.0	0.0
6PM-7PM	0.0	0.0	0.0
7PM-8PM	0.0	0.0	0.0
8PM-9PM	0.0	0.0	0.0
9PM-10PM	0.0	0.0	0.0
10PM-11PM	0.0	0.0	0.0
11PM-12AM	0.0	0.0	0.0
Total Delay	0.0	0.0	0.0

AM Peak Delay: 0.00, 0.00, 0.00
PM Peak Delay: 0.00, 0.00, 0.00

Hourly Turning Movement Count		Approach Delay	
Intersection	Delay	Intersection	Delay
Delay	Delay	Delay	Delay
12AM-1AM	0.0	0.0	0.0
1AM-2AM	0.0	0.0	0.0
2AM-3AM	0.0	0.0	0.0
3AM-4AM	0.0	0.0	0.0
4AM-5AM	0.0	0.0	0.0
5AM-6AM	0.0	0.0	0.0
6AM-7AM	0.0	0.0	0.0
7AM-8AM	0.0	0.0	0.0
8AM-9AM	0.0	0.0	0.0
9AM-10AM	0.0	0.0	0.0
10AM-11AM	0.0	0.0	0.0
11AM-12PM	0.0	0.0	0.0
12PM-1PM	0.0	0.0	0.0
1PM-2PM	0.0	0.0	0.0
2PM-3PM	0.0	0.0	0.0
3PM-4PM	0.0	0.0	0.0
4PM-5PM	0.0</		

2030 Daily Delay Hours		2030 Annual User Cost	
No-Build	2,530	517,712,413	3,932
Concept D	1,247	113,668,311	1,097
Concept C	354	51,068,101	288
Concept B	81	50	-
Concept A	0	0	-

NO-BUILD

Hourly Volume Distribution		Hourly Volume Distribution		
Intersection	Approach Delay	Intersection	Approach Delay	
Delay	NB	SB	NB	
12AM-1AM	13.4	0.93%	9.7	0.63%
1AM-2AM	13.0	0.90%	7.5	0.53%
2AM-3AM	12.8	0.88%	7.3	0.52%
3AM-4AM	12.4	0.86%	8.9	0.63%
4AM-5AM	15.5	1.07%	13.5	0.93%
5AM-6AM	18.3	1.26%	17.8	1.26%
6AM-7AM	38.5	2.73%	40.7	2.88%
7AM-8AM	127.2	8.78%	82.1	5.80%
8AM-9AM	116.4	8.04%	84.2	5.92%
9AM-10AM	73.3	5.06%	55.3	3.91%
10AM-11AM	62.7	4.33%	55.3	3.91%
11AM-12PM	62.6	4.32%	60.3	4.26%
12PM-1PM	74.1	5.12%	89.9	6.35%
1PM-2PM	74.5	5.14%	75.8	5.36%
2PM-3PM	140.0	9.66%	162.4	11.48%
3PM-4PM	153.7	10.61%	157.7	11.14%
4PM-5PM	134.0	9.24%	153.0	10.82%
5PM-6PM	149.0	10.29%	159.4	11.26%
6PM-7PM	48.3	3.37%	55.2	3.90%
7PM-8PM	30.7	2.12%	33.8	2.39%
8PM-9PM	24.5	1.69%	27.5	1.94%
9PM-10PM	18.8	1.30%	18.2	1.29%
10PM-11PM	15.5	1.07%	13.3	0.94%
11PM-12AM	15.5	1.07%	13.3	0.94%
Total Delay	1,448.6	100%	1,415.2	100%

CONCEPT D

Hourly Volume Distribution		Hourly Volume Distribution		
Intersection	Approach Delay	Intersection	Approach Delay	
Delay	NB	SB	NB	
12AM-1AM	13.4	0.93%	9.7	0.63%
1AM-2AM	13.0	0.90%	7.5	0.53%
2AM-3AM	12.8	0.88%	7.3	0.52%
3AM-4AM	12.4	0.86%	8.9	0.63%
4AM-5AM	15.5	1.07%	13.5	0.93%
5AM-6AM	18.3	1.26%	17.8	1.26%
6AM-7AM	38.5	2.73%	40.7	2.88%
7AM-8AM	127.2	8.78%	82.1	5.80%
8AM-9AM	116.4	8.04%	84.2	5.92%
9AM-10AM	73.3	5.06%	55.3	3.91%
10AM-11AM	62.7	4.33%	55.3	3.91%
11AM-12PM	62.6	4.32%	60.3	4.26%
12PM-1PM	74.1	5.12%	89.9	6.35%
1PM-2PM	74.5	5.14%	75.8	5.36%
2PM-3PM	140.0	9.66%	162.4	11.48%
3PM-4PM	153.7	10.61%	157.7	11.14%
4PM-5PM	134.0	9.24%	153.0	10.82%
5PM-6PM	149.0	10.29%	159.4	11.26%
6PM-7PM	48.3	3.37%	55.2	3.90%
7PM-8PM	30.7	2.12%	33.8	2.39%
8PM-9PM	24.5	1.69%	27.5	1.94%
9PM-10PM	18.8	1.30%	18.2	1.29%
10PM-11PM	15.5	1.07%	13.3	0.94%
11PM-12AM	15.5	1.07%	13.3	0.94%
Total Delay	1,000%	1,000%	1,000%	1,000%

CONCEPT C

Hourly Volume Distribution		Hourly Volume Distribution		
Intersection	Approach Delay	Intersection	Approach Delay	
Delay	NB	SB	NB	
12AM-1AM	13.4	0.93%	9.7	0.63%
1AM-2AM	13.0	0.90%	7.5	0.53%
2AM-3AM	12.8	0.88%	7.3	0.52%
3AM-4AM	12.4	0.86%	8.9	0.63%
4AM-5AM	15.5	1.07%	13.5	0.93%
5AM-6AM	18.3	1.26%	17.8	1.26%
6AM-7AM	38.5	2.73%	40.7	2.88%
7AM-8AM	127.2	8.78%	82.1	5.80%
8AM-9AM	116.4	8.04%	84.2	5.92%
9AM-10AM	73.3	5.06%	55.3	3.91%
10AM-11AM	62.7	4.33%	55.3	3.91%
11AM-12PM	62.6	4.32%	60.3	4.26%
12PM-1PM	74.1	5.12%	89.9	6.35%
1PM-2PM	74.5	5.14%	75.8	5.36%
2PM-3PM	140.0	9.66%	162.4	11.48%
3PM-4PM	153.7	10.61%	157.7	11.14%
4PM-5PM	134.0	9.24%	153.0	10.82%
5PM-6PM	149.0	10.29%	159.4	11.26%
6PM-7PM	48.3	3.37%	55.2	3.90%
7PM-8PM	30.7	2.12%	33.8	2.39%
8PM-9PM	24.5	1.69%	27.5	1.94%
9PM-10PM	18.8	1.30%	18.2	1.29%
10PM-11PM	15.5	1.07%	13.3	0.94%
11PM-12AM	15.5	1.07%	13.3	0.94%
Total Delay	1,000%	1,000%	1,000%	1,000%

CONCEPT A

Hourly Volume Distribution		Hourly Volume Distribution		
Intersection	Approach Delay	Intersection	Approach Delay	
Delay	NB	SB	NB	
12AM-1AM	13.4	0.93%	9.7	0.63%
1AM-2AM	13.0	0.90%	7.5	0.53%
2AM-3AM	12.8	0.88%	7.3	0.52%
3AM-4AM	12.4	0.86%	8.9	0.63%
4AM-5AM	15.5	1.07%	13.5	0.93%
5AM-6AM	18.3	1.26%	17.8	1.26%
6AM-7AM	38.5	2.73%	40.7	2.88%
7AM-8AM	127.2	8.78%	82.1	5.80%
8AM-9AM	116.4	8.04%	84.2	5.92%
9AM-10AM	73.3	5.06%	55.3	3.91%
10AM-11AM	62.7	4.33%	55.3	3.91%
11AM-12PM	62.6	4.32%	60.3	4.26%
12PM-1PM	74.1	5.12%	89.9	6.35%
1PM-2PM	74.5	5.14%	75.8	5.36%
2PM-3PM	140.0	9.66%	162.4	11.48%
3PM-4PM	153.7	10.61%	157.7	11.14%
4PM-5PM	134.0	9.24%	153.0	10.82%
5PM-6PM	149.0	10.29%	159.4	11.26%
6PM-7PM	48.3	3.37%	55.2	3.90%
7PM-8PM	30.7	2.12%	33.8	2.39%
8PM-9PM	24.5	1.69%	27.5	1.94%
9PM-10PM	18.8	1.30%	18.2	1.29%
10PM-11PM	15.5	1.07%	13.3	0.94%
11PM-12AM	15.5	1.07%	13.3	0.94%
Total Delay	1,000%	1,000%	1,000%	1,000%

Pennsylvania

Hourly Volume Distribution		Hourly Volume Distribution		
Intersection	Approach Delay	Intersection	Approach Delay	
Delay	NB	SB	NB	
12AM-1AM	0.0	0.00%	0.0	0.00%
1AM-2AM	0.0	0.00%	0.0	0.00%
2AM-3AM	0.0	0.00%	0.0	0.00%
3AM-4AM	0.0	0.00%	0.0	0.00%
4AM-5AM	0.0	0.00%	0.0	0.00%
5AM-6AM	0.0	0.00%	0.0	0.00%
6AM-7AM	0.0	0.00%	0.0	0.00%
7AM-8AM	0.0	0.00%	0.0	0.00%
8AM-9AM	0.0	0.00%	0.0	0.00%
9AM-10AM	0.0	0.00%	0.0	0.00%
10AM-11AM	0.0	0.00%	0.0	0.00%
11AM-12PM	0.0	0.00%	0.0	0.00%
12PM-1PM	0.0	0.00%	0.0	0.00%
1PM-2PM	0.0	0.00%	0.0	0.00%
2PM-3PM	0.0	0.00%	0.0	0.00%
3PM-4PM	0.0	0.00%	0.0	0.00%
4PM-5PM	0.0	0.00%	0.0	0.00%
5PM-6PM	0.0	0.00%	0.0	0.00%
6PM-7PM	0.0	0.00%	0.0	0.00%
7PM-8PM	0.0	0.00%	0.0	0.00%
8PM-9PM	0.0	0.00%	0.0	0.00%
9PM-10PM	0.0	0.00%	0.0	0.00%
10PM-11PM	0.0	0.00%	0.0	0.00%
11PM-12AM	0.0	0.00%	0.0	0.00%
Total Delay	0.0	0.0	0.0	0.0

Panhandle

Hourly Volume Distribution		Hourly Volume Distribution		
Intersection	Approach Delay	Intersection	Approach Delay	
Delay	NB	SB	NB	
12AM-1AM	0.0	0.00%	0.0	0.00%
1AM-2AM	0.0	0.00%	0.0	0.00%
2AM-3AM	0.0	0.00%	0.0	0.00%
3AM-4AM	0.0	0.00%	0.0	0.00%
4AM-5AM	0.0	0.00%	0.0	0.00%
5AM-6AM	0.0	0.00%	0.0	0.00%
6AM-7AM	0.0	0.00%	0.0	0.00%
7AM-8AM	0.0	0.00%	0.0	0.00%
8AM-9AM	0.0	0.00%	0.0	0.00%
9AM-10AM	0.0	0.00%	0.0	0.00%
10AM-11AM	0.0	0.00%	0.0	0.00%
11AM-12PM	0.0	0.00%	0.0	0.00%
12PM-1PM	0.0	0.00%	0.0	0.00%
1PM-2PM	0.0	0.00%	0.0	0.00%
2PM-3PM	0.0	0.00%	0.0	0.00%
3PM-4PM	0.0	0.00%	0.0	0.00%
4PM-5PM	0.0	0.00%	0.0	0.00%
5PM-6PM	0.0	0.00%	0.0	0.00%
6PM-7PM	0.0	0.00%	0.0	0.00%
7PM-8PM	0.0	0.00%	0.0	0.00%
8PM-9PM	0.0	0.00%	0.0	0.00%
9PM-10PM	0.0	0.00%	0.0	0.00%
10PM-11PM	0.0	0.00%	0.0	0.00%
11PM-12AM	0.0	0.00%	0.0	0.00%
Total Delay	0.0	0.0	0.0	0.0

Retail Plaza

Hourly Volume Distribution		Hourly Volume Distribution		
Intersection	Approach Delay	Intersection	Approach Delay	
Delay	NB	SB	NB	
12AM-1AM	0.0	0.00%	0.0	0.00%
1AM-2AM	0.0	0.00%	0.0	0.00%
2AM-3AM	0.0	0.00%	0.0	0.00%
3AM-4AM	0.0	0.00%	0.0	0.00%
4AM-5AM	0.0	0.00%	0.0	0.00%
5AM-6AM	0.0	0.00%	0.0	0.00%
6AM-7AM	0.0	0.00%	0.0	0.00%
7AM-8AM	0.0	0.00%	0.0	0.00%
8AM-9AM	0.0	0.00%	0.0	0.00%
9AM-10AM	0.0	0.00%	0.0	0.00%
10AM-11AM	0.0	0.00%	0.0	0.00%
11AM-12PM	0.0	0.00%	0.0	0.00%
12PM-1PM	0.0	0.00%	0.0	0.00%
1PM-2PM	0.0	0.00%	0.0	0.00%
2PM-3PM	0.0	0.00%	0.0	0.00%
3PM-4PM	0.0	0.00%	0.0	0.00%
4PM-5PM	0.0	0.00%	0.0	0.00%
5PM-6PM	0.0	0.00%	0.0	0.00%
6PM-7PM	0.0	0.00%	0.0	0.00%
7PM-8PM	0.0	0.00%	0.0	0.00%
8PM-9PM	0.0	0.00%	0.0	0.00%
9PM-10PM	0.0	0.00%	0.0	0.00%
10PM-11PM	0.0	0.00%	0.0	0.00%
11PM-12AM	0.0	0.00%	0.0	0.00%
Total Delay	0.0	0.0	0.0	0.0

Hills-Miller

Hourly Volume Distribution		Hourly Volume Distribution		
Intersection	Approach Delay	Intersection	Approach Delay	
Delay	NB	SB	NB	
12AM-1AM	0.0	0.00%	0.0	0.00%
1AM-2AM	0.0	0.00%	0.0	0.00%
2AM-3AM	0.0	0.00%	0.0	0.00%
3AM-4AM	0.0	0.00%	0.0	0.00%
4AM-5AM	0.0	0.00%	0.0	0.00%
5AM-6AM	0.0	0.00%	0.0	0.00%
6AM-7AM	0.0	0.00%	0.0	0.00%
7AM-8AM	0.0	0.00%	0.0	0.00%
8AM-9AM	0.0	0.00%	0.0	0.00%
9AM-10AM	0.0	0.00%	0.0	0.00%
10AM-11AM	0.0	0.00%	0.0	0.00%
11AM-12PM	0.0	0.00%	0.0	0.00%
12PM-1PM	0.0	0.00%	0.0	0.00%
1PM-2PM	0.0	0.00%	0.0	0.00%
2PM-3PM	0.0	0.00%	0.0	0.00%
3PM-4PM	0.0	0.00%	0.0	0.00%
4PM-5PM	0.0	0.00%	0.0	0.00%
5PM-6PM	0.0	0.00%	0.0	0.00%
6PM-7PM	0.0	0.00%	0.0	0.00%
7PM-8PM	0.0	0.00%	0.0	0.00%
8PM-9PM	0.0	0.00%	0.0	0.00%
9PM-10PM	0.0	0.00%	0.0	0.00%
10PM-11PM	0.0	0.00%	0.0	0.00%
11PM-12AM	0.0	0.00%	0.0	0.00%
Total Delay	0.0	0.0	0.0	0.0

Cover

Hourly Volume Distribution		Hourly Volume Distribution		
Intersection	Approach Delay	Intersection	Approach Delay	
Delay	NB	SB	NB	
12AM-1AM	0.0	0.00%	0.0	0.00%
1AM-2AM	0.0	0.00%	0.0	0.00%
2AM-3AM	0.0	0.00%	0.0	0.00%
3AM-4AM	0.0	0.00%	0.0	0.00%
4AM-5AM	0.0	0.00%	0.0	0.00%
5AM-6AM	0.0	0.00%	0.0	0.00%
6AM-7AM	0.0	0.00%	0.0	

2050 Daily Delay		2050 Annual User Co	
Hours		Cost	
No-Build	5,489	\$24,842,965	5,028
Concept D	434	22,699,681	1,632
Concept C	434	23,267,369	489
Concept B	5	50	-
Concept A	0	0	-

NO-BUILD

Delay (from HCS and hourly count sheet)		Hourly Volume Distribution		
Intersection Approach Delay		Intersection Approach Delay		
Delay	NB	SB	NB	
12AM-1AM	13.4	0.93%	9.7	0.63%
1AM-2AM	13.0	0.90%	7.5	0.51%
2AM-3AM	12.8	0.88%	7.3	0.52%
3AM-4AM	13.4	0.93%	8.9	0.63%
4AM-5AM	15.5	1.07%	13.5	0.93%
5AM-6AM	18.3	1.26%	17.8	1.26%
6AM-7AM	38.5	2.73%	40.7	2.88%
7AM-8AM	127.2	8.78%	82.1	5.80%
8AM-9AM	116.4	8.04%	84.2	5.92%
9AM-10AM	73.3	5.06%	55.3	3.91%
10AM-11AM	62.7	4.33%	55.3	3.91%
11AM-12PM	62.6	4.32%	60.3	4.26%
12PM-1PM	74.1	5.12%	89.9	6.35%
1PM-2PM	74.5	5.14%	75.8	5.36%
2PM-3PM	140.0	9.66%	162.4	11.48%
3PM-4PM	153.7	10.61%	157.7	11.14%
4PM-5PM	134.0	9.25%	153.8	10.92%
5PM-6PM	140.0	9.66%	157.4	11.26%
6PM-7PM	48.3	3.37%	55.2	3.90%
7PM-8PM	30.7	2.12%	33.8	2.39%
8PM-9PM	24.5	1.69%	27.5	1.94%
9PM-10PM	18.3	1.30%	18.2	1.29%
10PM-11PM	16.9	1.17%	15.5	1.10%
11PM-12AM	15.5	1.07%	13.3	0.94%
Total Delay	1448.6	100%	1412.2	100%

CONCEPT D

Delay (from HCS and hourly count sheet)		Hourly Volume Distribution		
Intersection Approach Delay		Intersection Approach Delay		
Delay	NB	SB	NB	
12AM-1AM	13.4	0.93%	9.7	0.63%
1AM-2AM	13.0	0.90%	7.5	0.51%
2AM-3AM	12.8	0.88%	7.3	0.52%
3AM-4AM	13.4	0.93%	8.9	0.63%
4AM-5AM	15.5	1.07%	13.5	0.93%
5AM-6AM	18.3	1.26%	17.8	1.26%
6AM-7AM	38.5	2.73%	40.7	2.88%
7AM-8AM	127.2	8.78%	82.1	5.80%
8AM-9AM	116.4	8.04%	84.2	5.92%
9AM-10AM	73.3	5.06%	55.3	3.91%
10AM-11AM	62.7	4.33%	55.3	3.91%
11AM-12PM	62.6	4.32%	60.3	4.26%
12PM-1PM	74.1	5.12%	89.9	6.35%
1PM-2PM	74.5	5.14%	75.8	5.36%
2PM-3PM	140.0	9.66%	162.4	11.48%
3PM-4PM	153.7	10.61%	157.7	11.14%
4PM-5PM	134.0	9.25%	153.8	10.92%
5PM-6PM	140.0	9.66%	157.4	11.26%
6PM-7PM	48.3	3.37%	55.2	3.90%
7PM-8PM	30.7	2.12%	33.8	2.39%
8PM-9PM	24.5	1.69%	27.5	1.94%
9PM-10PM	18.3	1.30%	18.2	1.29%
10PM-11PM	16.9	1.17%	15.5	1.10%
11PM-12AM	15.5	1.07%	13.3	0.94%
Total Delay	100%	100%	100%	100%

CONCEPT C

Delay (from HCS and hourly count sheet)		Hourly Volume Distribution		
Intersection Approach Delay		Intersection Approach Delay		
Delay	NB	SB	NB	
12AM-1AM	13.4	0.93%	9.7	0.63%
1AM-2AM	13.0	0.90%	7.5	0.51%
2AM-3AM	12.8	0.88%	7.3	0.52%
3AM-4AM	13.4	0.93%	8.9	0.63%
4AM-5AM	15.5	1.07%	13.5	0.93%
5AM-6AM	18.3	1.26%	17.8	1.26%
6AM-7AM	38.5	2.73%	40.7	2.88%
7AM-8AM	127.2	8.78%	82.1	5.80%
8AM-9AM	116.4	8.04%	84.2	5.92%
9AM-10AM	73.3	5.06%	55.3	3.91%
10AM-11AM	62.7	4.33%	55.3	3.91%
11AM-12PM	62.6	4.32%	60.3	4.26%
12PM-1PM	74.1	5.12%	89.9	6.35%
1PM-2PM	74.5	5.14%	75.8	5.36%
2PM-3PM	140.0	9.66%	162.4	11.48%
3PM-4PM	153.7	10.61%	157.7	11.14%
4PM-5PM	134.0	9.25%	153.8	10.92%
5PM-6PM	140.0	9.66%	157.4	11.26%
6PM-7PM	48.3	3.37%	55.2	3.90%
7PM-8PM	30.7	2.12%	33.8	2.39%
8PM-9PM	24.5	1.69%	27.5	1.94%
9PM-10PM	18.3	1.30%	18.2	1.29%
10PM-11PM	16.9	1.17%	15.5	1.10%
11PM-12AM	15.5	1.07%	13.3	0.94%
Total Delay	100%	100%	100%	100%

CONCEPT B

Delay (from HCS and hourly count sheet)		Hourly Volume Distribution		
Intersection Approach Delay		Intersection Approach Delay		
Delay	NB	SB	NB	
12AM-1AM	13.4	0.93%	9.7	0.63%
1AM-2AM	13.0	0.90%	7.5	0.51%
2AM-3AM	12.8	0.88%	7.3	0.52%
3AM-4AM	13.4	0.93%	8.9	0.63%
4AM-5AM	15.5	1.07%	13.5	0.93%
5AM-6AM	18.3	1.26%	17.8	1.26%
6AM-7AM	38.5	2.73%	40.7	2.88%
7AM-8AM	127.2	8.78%	82.1	5.80%
8AM-9AM	116.4	8.04%	84.2	5.92%
9AM-10AM	73.3	5.06%	55.3	3.91%
10AM-11AM	62.7	4.33%	55.3	3.91%
11AM-12PM	62.6	4.32%	60.3	4.26%
12PM-1PM	74.1	5.12%	89.9	6.35%
1PM-2PM	74.5	5.14%	75.8	5.36%
2PM-3PM	140.0	9.66%	162.4	11.48%
3PM-4PM	153.7	10.61%	157.7	11.14%
4PM-5PM	134.0	9.25%	153.8	10.92%
5PM-6PM	140.0	9.66%	157.4	11.26%
6PM-7PM	48.3	3.37%	55.2	3.90%
7PM-8PM	30.7	2.12%	33.8	2.39%
8PM-9PM	24.5	1.69%	27.5	1.94%
9PM-10PM	18.3	1.30%	18.2	1.29%
10PM-11PM	16.9	1.17%	15.5	1.10%
11PM-12AM	15.5	1.07%	13.3	0.94%
Total Delay	100%	100%	100%	100%

CONCEPT A

Delay (from HCS and hourly count sheet)		Hourly Volume Distribution		
Intersection Approach Delay		Intersection Approach Delay		
Delay	NB	SB	NB	
12AM-1AM	13.4	0.93%	9.7	0.63%
1AM-2AM	13.0	0.90%	7.5	0.51%
2AM-3AM	12.8	0.88%	7.3	0.52%
3AM-4AM	13.4	0.93%	8.9	0.63%
4AM-5AM	15.5	1.07%	13.5	0.93%
5AM-6AM	18.3	1.26%	17.8	1.26%
6AM-7AM	38.5	2.73%	40.7	2.88%
7AM-8AM	127.2	8.78%	82.1	5.80%
8AM-9AM	116.4	8.04%	84.2	5.92%
9AM-10AM	73.3	5.06%	55.3	3.91%
10AM-11AM	62.7	4.33%	55.3	3.91%
11AM-12PM	62.6	4.32%	60.3	4.26%
12PM-1PM	74.1	5.12%	89.9	6.35%
1PM-2PM	74.5	5.14%	75.8	5.36%
2PM-3PM	140.0	9.66%	162.4	11.48%
3PM-4PM	153.7	10.61%	157.7	11.14%
4PM-5PM	134.0	9.25%	153.8	10.92%
5PM-6PM	140.0	9.66%	157.4	11.26%
6PM-7PM	48.3	3.37%	55.2	3.90%
7PM-8PM	30.7	2.12%	33.8	2.39%
8PM-9PM	24.5	1.69%	27.5	1.94%
9PM-10PM	18.3	1.30%	18.2	1.29%
10PM-11PM	16.9	1.17%	15.5	1.10%
11PM-12AM	15.5	1.07%	13.3	0.94%
Total Delay	100%	100%	100%	100%

Pennsylvania

Peak Hour Delay		Approach Delay	
Delay	NB	SB	NB
Peak Delay	4,865	1,410	2,478
Volumes	11,533	3,000	11,111
Total Delay	5,165	2,126	2,814

Hourly Turning Movement Count

Intersection		Approach Delay	
Delay	NB	SB	NB
12AM-1AM	0.4	0.00	0.11
1AM-2AM	0.2	0.00	0.09
2AM-3AM	0.2	0.00	0.09
3AM-4AM	0.4	0.00	0.11
4AM-5AM	1.2	0.00	0.39
5AM-6AM	2.9	0.00	1.13
6AM-7AM	15.7	0.00	7.02
7AM-8AM	71.9	0.00	44.05
8AM-9AM	65.4	0.00	26.46
9AM-10AM	36.6	0.00	16.78
10AM-11AM	30.7	0.00	14.93
11AM-12PM	31.4	0.00	13.83
12PM-1PM	51.2	0.00	23.90
1PM-2PM	51.8	0.00	24.1
2PM-3PM	103.7	0.00	49.4
3PM-4PM	113.7	0.00	53.9
4PM-5PM	92.1	0.00	43.1
5PM-6PM	38.5	0.00	17.78
6PM-7PM	13.7	0.00	6.4
7PM-8PM	4.4	0.00	2.05
8PM-9PM	2.4	0.00	1.0
9PM-10PM	1.3	0.00	0.61
10PM-11PM	0.8	0.00	0.36
11PM-12AM	0.5	0.00	0.23
Total Delay	448.8	0.0	224.4

AM Peak Delay

Turning Movement Count		Approach Delay	
Delay	NB	SB	NB
12AM-1AM	0.0	0.00	0.00
1AM-2AM	0.0	0.00	0.00
2AM-3AM	0.0	0.00	0.00
3AM-4AM	0.0	0.00	0.00
4AM-5AM	0.0	0.00	0.00
5AM-6AM	0.0	0.00	0.00
6AM-7AM	0.0	0.00	0.00
7AM-8AM	0.0	0.00	0.00
8AM-9AM	0.0	0.00	0.00
9AM-10AM	0.0	0.00	0.00
10AM-11AM	0.0	0.00	0.00
11AM-12PM	0.0	0.00	0.00
12PM-1PM	0.0	0.00	0.00
1PM-2PM	0.0	0.00	0.00
2PM-3PM	0.0	0.00	0.00
3PM-4PM	0.0	0.00	0.00
4PM-5PM	0.0	0.00	0.00
5PM-6PM	0.0	0.00	0.00
6PM-7PM	0.0	0.00	0.00
7PM-8PM	0.0	0.00	0.00
8PM-9PM	0.0	0.00	0.00
9PM-10PM	0.0	0.00	0.00
10PM-11PM	0.0	0.00	0.00
11PM-12AM	0.0	0.00	0.00
Total Delay	0.0	0.0	0.0

PM Peak Delay

Turning Movement Count		Approach Delay	
Delay	NB	SB	NB
12AM-1AM	0.0	0.00	0.00
1AM-2AM	0.0	0.00	0.00
2AM-3AM	0.0	0.00	0.00
3AM-4AM	0.0	0.00	0.00
4AM-5AM	0.0	0.00	0.00
5AM-6AM	0.0	0.00	0.00
6AM-7AM	0.0	0.00	0.00
7AM-8AM	0.0	0.00	0.00
8AM-9AM	0.0	0.00	0.00
9AM-10AM	0.0	0.00	0.00
10AM-11AM	0.0	0.00	0.00
11AM-12PM	0.0	0.00	0.00
12PM-1PM	0.0	0.00	0.00
1PM-2PM	0.0	0.00	0.00
2PM-3PM	0.0	0.00	0.00
3PM-4PM	0.0	0.00	0.00
4PM-5PM	0.0	0.00	0.00
5PM-6PM	0.0	0.00	0.00
6PM-7PM	0.0	0.00	0.00
7PM-8PM	0.0	0.00	0.00
8PM-9PM	0.0	0.00	0.00
9PM-10PM	0.0	0.00	0.00
10PM-11PM	0.0	0.00	0.00
11PM-12AM	0.0	0.00	0.00
Total Delay	0.0	0.0	0.0

Hourly Turning Movement Count

Intersection		Approach Delay	
Delay	NB	SB	NB
12AM-1AM	0.0	0.00	0.00
1AM-2AM	0.0	0.00	0.00
2AM-3AM	0.0	0.00	0.00
3AM-4AM	0.0	0.00	0.00
4AM-5AM	0.0	0.00	0.00
5AM-6AM	0.0	0.00	0.00
6AM-7AM	0.0	0.00	0.00
7AM-8AM	0.0	0.00	0.00
8AM-9AM	0.0	0.00	0.00
9AM-10AM	0.0	0.00	0.00
10AM-11AM	0.0	0.00	0.00
11AM-12PM	0.0	0.00	0.00
12PM-1PM	0.0	0.00	0.00
1PM-2PM	0.0	0.00	0.00
2PM-3PM	0.0	0.00	0.00
3PM-4PM	0.0	0.00	0.00
4PM-5PM	0.0	0.00	0.00
5PM-6PM	0.0	0.00	0.00
6PM-7PM	0.0	0.00	0.0

2030 Daily Delay		2030 Annual User Co	
Hours		Cost	
No-Build	385	\$2,131,573	385
Concept D	188	523,752	188
Concept C	61	127,261	61
Concept B	0	0	0
Concept A	0	0	0

NO-BUILD

Delay from HCS and hourly count sheet		Hourly Volume Distribution						
Approach Delay		Intersection						
Delay	NB	SB	SB					
12AM-1AM	13.4	0.93%	9.2	0.63%	8.5	0.61%	0.004	0.004
1AM-2AM	13.0	0.90%	7.5	0.53%	7.1	0.51%	0.003	0.003
2AM-3AM	12.8	0.88%	7.3	0.52%	6.8	0.48%	0.002	0.002
3AM-4AM	13.4	0.93%	8.9	0.63%	8.2	0.58%	0.003	0.004
4AM-5AM	15.5	1.07%	13.5	0.95%	11.8	0.84%	0.009	0.011
5AM-6AM	18.3	1.28%	17.8	1.26%	15.8	1.13%	0.018	0.021
6AM-7AM	39.5	2.73%	40.7	2.88%	39.5	2.81%	0.044	0.054
7AM-8AM	127.2	8.78%	82.1	5.80%	172.8	12.31%	0.056	0.072
8AM-9AM	116.4	8.04%	88.2	6.20%	138.4	9.92%	0.018	0.078
9AM-10AM	73.3	5.06%	53.3	3.91%	64.2	4.60%	0.052	0.065
10AM-11AM	62.7	4.33%	55.3	3.91%	69.9	4.98%	0.054	0.063
11AM-12PM	62.6	4.32%	60.3	4.26%	64.5	4.60%	0.056	0.061
12PM-1PM	74.3	5.12%	89.9	6.35%	67.1	4.78%	0.061	0.062
1PM-2PM	74.5	5.14%	79.8	5.36%	73.3	5.22%	0.066	0.063
2PM-3PM	140.0	9.66%	162.4	11.48%	150.8	10.74%	0.073	0.065
3PM-4PM	153.7	10.61%	157.7	11.14%	128.3	9.14%	0.087	0.073
4PM-5PM	134.0	9.23%	163.0	11.58%	103.2	7.35%	0.084	0.066
5PM-6PM	140.0	9.66%	150.4	10.80%	119.4	8.52%	0.085	0.069
6PM-7PM	48.8	3.37%	55.2	3.90%	46.6	2.89%	0.058	0.048
7PM-8PM	30.7	2.12%	33.8	2.39%	27.2	1.94%	0.045	0.039
8PM-9PM	24.5	1.69%	27.5	1.94%	22.1	1.57%	0.035	0.031
9PM-10PM	18.8	1.30%	18.2	1.29%	16.4	1.17%	0.023	0.022
10PM-11PM	16.9	1.17%	15.5	1.10%	14.0	1.00%	0.025	0.014
11PM-12AM	15.5	1.07%	13.3	0.94%	12.0	0.85%	0.030	0.010
Total Delay	1448.6	100%	1415.2	100%	1403.4	100%	100%	100%

CONCEPT D

Delay from HCS and hourly count sheet		Hourly Volume Distribution						
Approach Delay		Intersection						
Delay	NB	SB	SB					
12AM-1AM	13.4	0.93%	9.2	0.63%	8.5	0.61%	0.004	0.004
1AM-2AM	13.0	0.90%	7.5	0.53%	7.1	0.51%	0.003	0.003
2AM-3AM	12.8	0.88%	7.3	0.52%	6.8	0.48%	0.002	0.002
3AM-4AM	13.4	0.93%	8.9	0.63%	8.2	0.58%	0.003	0.004
4AM-5AM	15.5	1.07%	13.5	0.95%	11.8	0.84%	0.009	0.011
5AM-6AM	18.3	1.28%	17.8	1.26%	15.8	1.13%	0.018	0.021
6AM-7AM	39.5	2.73%	40.7	2.88%	39.5	2.81%	0.044	0.054
7AM-8AM	127.2	8.78%	82.1	5.80%	172.8	12.31%	0.056	0.072
8AM-9AM	116.4	8.04%	88.2	6.20%	138.4	9.92%	0.018	0.078
9AM-10AM	73.3	5.06%	53.3	3.91%	64.2	4.60%	0.052	0.065
10AM-11AM	62.7	4.33%	55.3	3.91%	69.9	4.98%	0.054	0.063
11AM-12PM	62.6	4.32%	60.3	4.26%	64.5	4.60%	0.056	0.061
12PM-1PM	74.3	5.12%	89.9	6.35%	67.1	4.78%	0.061	0.062
1PM-2PM	74.5	5.14%	79.8	5.36%	73.3	5.22%	0.066	0.063
2PM-3PM	140.0	9.66%	162.4	11.48%	150.8	10.74%	0.073	0.065
3PM-4PM	153.7	10.61%	157.7	11.14%	128.3	9.14%	0.087	0.073
4PM-5PM	134.0	9.23%	163.0	11.58%	103.2	7.35%	0.084	0.066
5PM-6PM	140.0	9.66%	150.4	10.80%	119.4	8.52%	0.085	0.069
6PM-7PM	48.8	3.37%	55.2	3.90%	46.6	2.89%	0.058	0.048
7PM-8PM	30.7	2.12%	33.8	2.39%	27.2	1.94%	0.045	0.039
8PM-9PM	24.5	1.69%	27.5	1.94%	22.1	1.57%	0.035	0.031
9PM-10PM	18.8	1.30%	18.2	1.29%	16.4	1.17%	0.023	0.022
10PM-11PM	16.9	1.17%	15.5	1.10%	14.0	1.00%	0.025	0.014
11PM-12AM	15.5	1.07%	13.3	0.94%	12.0	0.85%	0.030	0.010
Total Delay	100%	100%	100%	100%	100%	100%	100%	100%

CONCEPT C

Delay from HCS and hourly count sheet		Hourly Volume Distribution						
Approach Delay		Intersection						
Delay	NB	SB	SB					
12AM-1AM	13.4	0.93%	9.2	0.63%	8.5	0.61%	0.004	0.004
1AM-2AM	13.0	0.90%	7.5	0.53%	7.1	0.51%	0.003	0.003
2AM-3AM	12.8	0.88%	7.3	0.52%	6.8	0.48%	0.002	0.002
3AM-4AM	13.4	0.93%	8.9	0.63%	8.2	0.58%	0.003	0.004
4AM-5AM	15.5	1.07%	13.5	0.95%	11.8	0.84%	0.009	0.011
5AM-6AM	18.3	1.28%	17.8	1.26%	15.8	1.13%	0.018	0.021
6AM-7AM	39.5	2.73%	40.7	2.88%	39.5	2.81%	0.044	0.054
7AM-8AM	127.2	8.78%	82.1	5.80%	172.8	12.31%	0.056	0.072
8AM-9AM	116.4	8.04%	88.2	6.20%	138.4	9.92%	0.018	0.078
9AM-10AM	73.3	5.06%	53.3	3.91%	64.2	4.60%	0.052	0.065
10AM-11AM	62.7	4.33%	55.3	3.91%	69.9	4.98%	0.054	0.063
11AM-12PM	62.6	4.32%	60.3	4.26%	64.5	4.60%	0.056	0.061
12PM-1PM	74.3	5.12%	89.9	6.35%	67.1	4.78%	0.061	0.062
1PM-2PM	74.5	5.14%	79.8	5.36%	73.3	5.22%	0.066	0.063
2PM-3PM	140.0	9.66%	162.4	11.48%	150.8	10.74%	0.073	0.065
3PM-4PM	153.7	10.61%	157.7	11.14%	128.3	9.14%	0.087	0.073
4PM-5PM	134.0	9.23%	163.0	11.58%	103.2	7.35%	0.084	0.066
5PM-6PM	140.0	9.66%	150.4	10.80%	119.4	8.52%	0.085	0.069
6PM-7PM	48.8	3.37%	55.2	3.90%	46.6	2.89%	0.058	0.048
7PM-8PM	30.7	2.12%	33.8	2.39%	27.2	1.94%	0.045	0.039
8PM-9PM	24.5	1.69%	27.5	1.94%	22.1	1.57%	0.035	0.031
9PM-10PM	18.8	1.30%	18.2	1.29%	16.4	1.17%	0.023	0.022
10PM-11PM	16.9	1.17%	15.5	1.10%	14.0	1.00%	0.025	0.014
11PM-12AM	15.5	1.07%	13.3	0.94%	12.0	0.85%	0.030	0.010
Total Delay	100%	100%	100%	100%	100%	100%	100%	100%

CONCEPT B

Delay from HCS and hourly count sheet		Hourly Volume Distribution						
Approach Delay		Intersection						
Delay	NB	SB	SB					
12AM-1AM	13.4	0.93%	9.2	0.63%	8.5	0.61%	0.004	0.004
1AM-2AM	13.0	0.90%	7.5	0.53%	7.1	0.51%	0.003	0.003
2AM-3AM	12.8	0.88%	7.3	0.52%	6.8	0.48%	0.002	0.002
3AM-4AM	13.4	0.93%	8.9	0.63%	8.2	0.58%	0.003	0.004
4AM-5AM	15.5	1.07%	13.5	0.95%	11.8	0.84%	0.009	0.011
5AM-6AM	18.3	1.28%	17.8	1.26%	15.8	1.13%	0.018	0.021
6AM-7AM	39.5	2.73%	40.7	2.88%	39.5	2.81%	0.044	0.054
7AM-8AM	127.2	8.78%	82.1	5.80%	172.8	12.31%	0.056	0.072
8AM-9AM	116.4	8.04%	88.2	6.20%	138.4	9.92%	0.018	0.078
9AM-10AM	73.3	5.06%	53.3	3.91%	64.2	4.60%	0.052	0.065
10AM-11AM	62.7	4.33%	55.3	3.91%	69.9	4.98%	0.054	0.063
11AM-12PM	62.6	4.32%	60.3	4.26%	64.5	4.60%	0.056	0.061
12PM-1PM	74.3	5.12%	89.9	6.35%	67.1	4.78%	0.061	0.062
1PM-2PM	74.5	5.14%	79.8	5.36%	73.3	5.22%	0.066	0.063
2PM-3PM	140.0	9.66%	162.4	11.48%	150.8	10.74%	0.073	0.065
3PM-4PM	153.7	10.61%	157.7	11.14%	128.3	9.14%	0.087	0.073
4PM-5PM	134.0	9.23%	163.0	11.58%	103.2	7.35%	0.084	0.066
5PM-6PM	140.0	9.66%	150.4	10.80%	119.4	8.52%	0.085	0.069
6PM-7PM	48.8	3.37%	55.2	3.90%	46.6	2.89%	0.058	0.048
7PM-8PM	30.7	2.12%	33.8	2.39%	27.2	1.94%	0.045	0.039
8PM-9PM	24.5	1.69%	27.5	1.94%	22.1	1.57%	0.035	0.031
9PM-10PM	18.8	1.30%	18.2	1.29%	16.4	1.17%	0.023	0.022
10PM-11PM	16.9	1.17%	15.5	1.10%	14.0	1.00%	0.025	0.014
11PM-12AM	15.5	1.07%	13.3	0.94%	12.0	0.85%	0.030	0.010
Total Delay	100%	100%	100%	100%	100%	100%	100%	100%

CONCEPT A

Delay from HCS and hourly count sheet		Hourly Volume Distribution						
Approach Delay		Intersection						
Delay	NB	SB	SB					
12AM-1AM	13.4	0.93%	9.2	0.63%	8.5	0.61%	0.004	0.004
1AM-2AM	13.0	0.90%	7.5	0.53%	7.1	0.51%	0.003	0.003
2AM-3AM	12.8	0.88%	7.3	0.52%	6.8	0.48%	0.002	0.002
3AM-4AM	13.4	0.93%	8.9	0.63%	8.2	0.58%	0.003	0.004
4AM-5AM	15.5	1.07%	13.5	0.95%	11.8	0.84%	0.009	0.011
5AM-6AM	18.3	1.28%	17.8	1.26%	15.8	1.13%	0.018	0.021
6AM-7AM	39.5	2.73%	40.7	2.88%	39.5	2.81%	0.044	0.054
7AM-8AM	127.2	8.78%	82.1	5.80%	172.8	12.31%	0.056	0.072
8AM-9AM	116.4	8.04%	88.2	6.20%	138.4	9.92%	0.018	0.078
9AM-10AM	73.3	5.06%	53.3	3.91%	64.2	4.60%	0.052	0.065
10AM-11AM	62.7	4.33%	55.3	3.91%	69.9	4.98%	0.054	0.063
11AM-12PM	62.6	4.32%	60.3	4.26%	64.5	4.60%	0.056	0.061
12PM-1PM	74.3	5.12%	89.9	6.35%	67.1	4.78%	0.061	0.062
1PM-2PM	74.5	5.14%	79.8	5.36%	73.3	5.22%	0.066	0.063
2PM-3PM	140.0	9.66%	162.4	11.48%	150.8	10.74%	0.073	0.065
3PM-4PM	153.7	10.61%	157.7	11.14%	128.3	9.14%	0.087	0.073
4PM-5PM	134.0	9.23%	163.0	11.58%	103.2	7.35%	0.084	0.066
5PM-6PM	140.0	9.66%	150.4	10.80%	119.4	8.52%	0.085	0.069
6PM-7PM	48.8	3.37%	55.2	3.90%	46.6	2.89%	0.058	0.048
7PM-8PM	30.7	2.12%	33.8	2.39%	27.2	1.94%	0.045	0.039
8PM-9PM	24.5	1.69%	27.5	1.94%	22.1	1.57%	0.035	0.031
9PM-10PM	18.8	1.30%	18.2	1.29%	16.4	1.17%	0.023	0.022
10PM-11PM	16.9	1.17%	15.5	1.10%	14.0	1.00%	0.025	0.014
11PM-12AM	15.5	1.07%	13.3	0.94%	12.0	0.85%	0.030	0.010
Total Delay	100%	100						

2050 Daily Delay		2050 Annual User Cost	
Hours		Cost	
No-Build	0	\$2,770,258	\$24
Concept D	11	\$2,770,258	234
Concept C	0	0	-
Concept B	0	0	-
Concept A	0	0	-

NO-BUILD			
Delay from HCS and hourly count sheet			
Intersection	Approach Delay		Hourly Volume Distribution
	NB	SB	
12AM-1AM	13.4	0.93%	9.2
1AM-2AM	13.0	0.90%	7.5
2AM-3AM	12.8	0.88%	7.3
3AM-4AM	13.4	0.93%	8.9
4AM-5AM	15.5	1.07%	13.5
5AM-6AM	18.3	1.28%	17.8
6AM-7AM	39.5	2.73%	40.7
7AM-8AM	127.2	8.78%	82.1
8AM-9AM	116.4	8.04%	88.2
9AM-10AM	73.3	5.06%	53.3
10AM-11AM	62.7	4.33%	55.3
11AM-12PM	62.6	4.32%	60.3
12PM-1PM	74.3	5.12%	89.9
1PM-2PM	74.5	5.14%	79.8
2PM-3PM	140.0	9.66%	162.4
3PM-4PM	153.7	10.61%	157.7
4PM-5PM	134.0	9.22%	153.0
5PM-6PM	48.8	3.37%	55.2
6PM-7PM	30.7	2.12%	33.8
7PM-8PM	24.5	1.69%	27.5
8PM-9PM	18.8	1.30%	18.2
9PM-10PM	16.9	1.17%	15.5
10PM-11PM	15.5	1.07%	13.3
11PM-12AM	1448.6	100%	1453.2

CONCEPT D			
Delay from HCS and hourly count sheet			
Intersection	Approach Delay		Hourly Volume Distribution
	NB	SB	
12AM-1AM	13.4	0.93%	9.2
1AM-2AM	13.0	0.90%	7.5
2AM-3AM	12.8	0.88%	7.3
3AM-4AM	13.4	0.93%	8.9
4AM-5AM	15.5	1.07%	13.5
5AM-6AM	18.3	1.28%	17.8
6AM-7AM	39.5	2.73%	40.7
7AM-8AM	127.2	8.78%	82.1
8AM-9AM	116.4	8.04%	88.2
9AM-10AM	73.3	5.06%	53.3
10AM-11AM	62.7	4.33%	55.3
11AM-12PM	62.6	4.32%	60.3
12PM-1PM	74.3	5.12%	89.9
1PM-2PM	74.5	5.14%	79.8
2PM-3PM	140.0	9.66%	162.4
3PM-4PM	153.7	10.61%	157.7
4PM-5PM	134.0	9.22%	153.0
5PM-6PM	48.8	3.37%	55.2
6PM-7PM	30.7	2.12%	33.8
7PM-8PM	24.5	1.69%	27.5
8PM-9PM	18.8	1.30%	18.2
9PM-10PM	16.9	1.17%	15.5
10PM-11PM	15.5	1.07%	13.3
11PM-12AM	1448.6	100%	1453.2

CONCEPT C			
Delay from HCS and hourly count sheet			
Intersection	Approach Delay		Hourly Volume Distribution
	NB	SB	
12AM-1AM	13.4	0.93%	9.2
1AM-2AM	13.0	0.90%	7.5
2AM-3AM	12.8	0.88%	7.3
3AM-4AM	13.4	0.93%	8.9
4AM-5AM	15.5	1.07%	13.5
5AM-6AM	18.3	1.28%	17.8
6AM-7AM	39.5	2.73%	40.7
7AM-8AM	127.2	8.78%	82.1
8AM-9AM	116.4	8.04%	88.2
9AM-10AM	73.3	5.06%	53.3
10AM-11AM	62.7	4.33%	55.3
11AM-12PM	62.6	4.32%	60.3
12PM-1PM	74.3	5.12%	89.9
1PM-2PM	74.5	5.14%	79.8
2PM-3PM	140.0	9.66%	162.4
3PM-4PM	153.7	10.61%	157.7
4PM-5PM	134.0	9.22%	153.0
5PM-6PM	48.8	3.37%	55.2
6PM-7PM	30.7	2.12%	33.8
7PM-8PM	24.5	1.69%	27.5
8PM-9PM	18.8	1.30%	18.2
9PM-10PM	16.9	1.17%	15.5
10PM-11PM	15.5	1.07%	13.3
11PM-12AM	1448.6	100%	1453.2

CONCEPT B			
Delay from HCS and hourly count sheet			
Intersection	Approach Delay		Hourly Volume Distribution
	NB	SB	
12AM-1AM	13.4	0.93%	9.2
1AM-2AM	13.0	0.90%	7.5
2AM-3AM	12.8	0.88%	7.3
3AM-4AM	13.4	0.93%	8.9
4AM-5AM	15.5	1.07%	13.5
5AM-6AM	18.3	1.28%	17.8
6AM-7AM	39.5	2.73%	40.7
7AM-8AM	127.2	8.78%	82.1
8AM-9AM	116.4	8.04%	88.2
9AM-10AM	73.3	5.06%	53.3
10AM-11AM	62.7	4.33%	55.3
11AM-12PM	62.6	4.32%	60.3
12PM-1PM	74.3	5.12%	89.9
1PM-2PM	74.5	5.14%	79.8
2PM-3PM	140.0	9.66%	162.4
3PM-4PM	153.7	10.61%	157.7
4PM-5PM	134.0	9.22%	153.0
5PM-6PM	48.8	3.37%	55.2
6PM-7PM	30.7	2.12%	33.8
7PM-8PM	24.5	1.69%	27.5
8PM-9PM	18.8	1.30%	18.2
9PM-10PM	16.9	1.17%	15.5
10PM-11PM	15.5	1.07%	13.3
11PM-12AM	1448.6	100%	1453.2

CONCEPT A			
Delay from HCS and hourly count sheet			
Intersection	Approach Delay		Hourly Volume Distribution
	NB	SB	
12AM-1AM	13.4	0.93%	9.2
1AM-2AM	13.0	0.90%	7.5
2AM-3AM	12.8	0.88%	7.3
3AM-4AM	13.4	0.93%	8.9
4AM-5AM	15.5	1.07%	13.5
5AM-6AM	18.3	1.28%	17.8
6AM-7AM	39.5	2.73%	40.7
7AM-8AM	127.2	8.78%	82.1
8AM-9AM	116.4	8.04%	88.2
9AM-10AM	73.3	5.06%	53.3
10AM-11AM	62.7	4.33%	55.3
11AM-12PM	62.6	4.32%	60.3
12PM-1PM	74.3	5.12%	89.9
1PM-2PM	74.5	5.14%	79.8
2PM-3PM	140.0	9.66%	162.4
3PM-4PM	153.7	10.61%	157.7
4PM-5PM	134.0	9.22%	153.0
5PM-6PM	48.8	3.37%	55.2
6PM-7PM	30.7	2.12%	33.8
7PM-8PM	24.5	1.69%	27.5
8PM-9PM	18.8	1.30%	18.2
9PM-10PM	16.9	1.17%	15.5
10PM-11PM	15.5	1.07%	13.3
11PM-12AM	1448.6	100%	1453.2

Delaware SP			
Peak Hour Delay			
Intersection	Approach Delay		Hourly Volume Distribution
	NB	SB	
13AM-1AM	0.0	0.00%	0.0
1AM-2AM	0.0	0.00%	0.0
2AM-3AM	0.0	0.00%	0.0
3AM-4AM	0.0	0.00%	0.0
4AM-5AM	0.0	0.00%	0.0
5AM-6AM	0.0	0.00%	0.0
6AM-7AM	0.0	0.00%	0.0
7AM-8AM	0.0	0.00%	0.0
8AM-9AM	0.0	0.00%	0.0
9AM-10AM	0.0	0.00%	0.0
10AM-11AM	0.0	0.00%	0.0
11AM-12PM	0.0	0.00%	0.0
12PM-1PM	0.0	0.00%	0.0
1PM-2PM	0.0	0.00%	0.0
2PM-3PM	0.0	0.00%	0.0
3PM-4PM	0.0	0.00%	0.0
4PM-5PM	0.0	0.00%	0.0
5PM-6PM	0.0	0.00%	0.0
6PM-7PM	0.0	0.00%	0.0
7PM-8PM	0.0	0.00%	0.0
8PM-9PM	0.0	0.00%	0.0
9PM-10PM	0.0	0.00%	0.0
10PM-11PM	0.0	0.00%	0.0
11PM-12AM	0.0	0.00%	0.0
Total Delay	0.0	0.00%	0.0

Delaware SP			
Hourly Turning Movement Count			
Intersection	Approach Delay		Hourly Volume Distribution
	NB	SB	
13AM-1AM	0.0	0.00%	0.0
1AM-2AM	0.0	0.00%	0.0
2AM-3AM	0.0	0.00%	0.0
3AM-4AM	0.0	0.00%	0.0
4AM-5AM	0.0	0.00%	0.0
5AM-6AM	0.0	0.00%	0.0
6AM-7AM	0.0	0.00%	0.0
7AM-8AM	0.0	0.00%	0.0
8AM-9AM	0.0	0.00%	0.0
9AM-10AM	0.0	0.00%	0.0
10AM-11AM	0.0	0.00%	0.0
11AM-12PM	0.0	0.00%	0.0
12PM-1PM	0.0	0.00%	0.0
1PM-2PM	0.0	0.00%	0.0
2PM-3PM	0.0	0.00%	0.0
3PM-4PM	0.0	0.00%	0.0
4PM-5PM	0.0	0.00%	0.0
5PM-6PM	0.0	0.00%	0.0
6PM-7PM	0.0	0.00%	0.0
7PM-8PM	0.0	0.00%	0.0
8PM-9PM	0.0	0.00%	0.0
9PM-10PM	0.0	0.00%	0.0
10PM-11PM	0.0	0.00%	0.0
11PM-12AM	0.0	0.00%	0.0
Total Delay	0.0	0.00%	0.0

Delaware SP			
Hourly Turning Movement Count			
Intersection	Approach Delay		Hourly Volume Distribution
	NB	SB	
13AM-1AM	0.0	0.00%	0.0
1AM-2AM	0.0	0.00%	0.0
2AM-3AM	0.0	0.00%	0.0
3AM-4AM	0.0	0.00%	0.0
4AM-5AM	0.0	0.00%	0.0
5AM-6AM	0.0	0.00%	0.0
6AM-7AM	0.0	0.00%	0.0
7AM-8AM	0.0	0.00%	0.0
8AM-9AM	0.0	0.00%	0.0
9AM-10AM	0.0	0.00%	0.0
10AM-11AM	0.0	0.00%	0.0
11AM-12PM	0.0	0.00%	0.0
12PM-1PM	0.0	0.00%	0.0
1PM-2PM	0.0	0.00%	0.0
2PM-3PM	0.0	0.00%	0.0
3PM-4PM	0.0	0.00%	0.0
4PM-5PM	0.0	0.00%	0.0
5PM-6PM	0.0	0.00%	0.0
6PM-7PM	0.0	0.00%	0.0
7PM-8PM	0.0	0.00%	0.0
8PM-9PM	0.0	0.00%	0.0
9PM-10PM	0.0	0.00%	0.0
10PM-11PM	0.0	0.00%	0.0
11PM-12AM	0.0	0.00%	0.0
Total Delay	0.0	0.00%	0.0

Delaware SP			
Hourly Turning Movement Count			
Intersection	Approach Delay		Hourly Volume Distribution
	NB	SB	
13AM-1AM	0.0	0.00%	0.0
1AM-2AM	0.0	0.00%	0.0
2AM-3AM	0.0	0.00%	0.0
3AM-4AM	0.0	0.00%	0.0
4AM-5AM	0.0	0.00%	0.0
5AM-6AM	0.0	0.00%	0.0
6AM-7AM	0.0	0.00%	0.0
7AM-8AM	0.0	0.00%	0.0
8AM-9AM	0.0	0.00%	0.0
9AM-10AM	0.0	0.00%	0.0
10AM-11AM	0.0	0.00%	0.0
11AM-12PM	0.0	0.00%	0.0
12PM-1PM	0.0	0.00%	0.0
1PM-2PM	0.0	0.00%	0.0
2PM-3PM	0.0	0.00%	0.0
3PM-4PM	0.0	0.00%	0.0
4PM-5PM	0.0	0.00%	0.0
5PM-6PM	0.0	0.00%	0.0
6PM-7PM	0.0	0.00%	0.0
7PM-8PM	0.0	0.00%	0.0
8PM-9PM	0.0	0.00%	0.0
9PM-10PM	0.0	0.00%	0.0
10PM-11PM	0.0	0.00%	0.0
11PM-12AM	0.0	0.00%	0.0
Total Delay	0.0	0.00%	0.0

Delaware SP			
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