EXHIBIT A for TSC-13-010 DATA: newberg counts

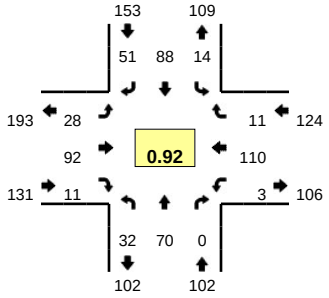
Type of peak hour being reported: Intersection Peak

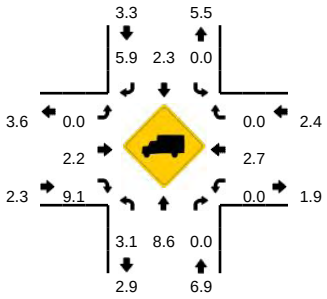
Method for determining peak hour: Total Entering Volume

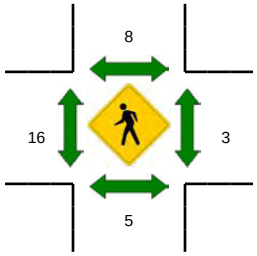
LOCATION: College St -- 2nd St
CITY/STATE: Newberg, OR

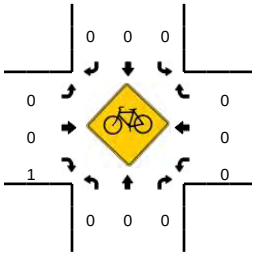
QC JOB #: 10950801
DATE: Tue, Apr 30 2013

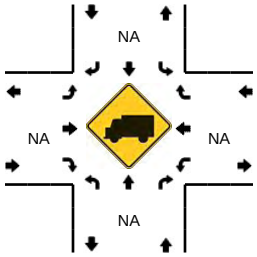
Peak-Hour: 4:30 PM -- 5:30 PM
Peak 15-Min: 4:30 PM -- 4:45 PM

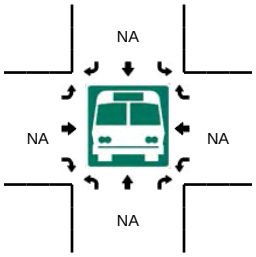












5-Min Count Period Beginning At	College St (Northbound)				College St (Southbound)				2nd St (Eastbound)				2nd St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	1	8	0	0	0	5	3	0	1	4	0	0	0	5	1	0	28	
4:05 PM	4	2	0	0	2	5	7	0	0	7	0	0	0	10	0	0	37	
4:10 PM	1	3	0	0	2	6	7	0	5	9	1	0	1	8	1	0	44	
4:15 PM	3	5	0	0	1	11	5	0	0	4	0	0	0	8	0	0	37	
4:20 PM	2	3	0	0	0	8	6	0	0	10	3	0	0	10	1	0	43	
4:25 PM	1	1	1	0	1	9	4	0	2	4	0	0	0	5	0	0	28	
4:30 PM	3	8	0	0	1	6	3	0	2	5	2	0	1	11	1	0	43	
4:35 PM	1	6	0	0	0	3	5	0	3	11	0	0	0	9	2	0	40	
4:40 PM	2	7	0	0	3	10	8	0	2	8	0	0	0	13	3	0	56	
4:45 PM	2	6	0	0	1	6	5	0	1	10	0	0	0	10	1	0	42	
4:50 PM	1	5	0	0	0	8	3	0	1	10	2	0	0	6	0	0	36	
4:55 PM	4	6	0	0	0	6	2	0	1	9	0	0	1	12	1	0	42	476
5:00 PM	4	7	0	0	1	10	4	0	3	7	1	0	0	10	0	0	47	495
5:05 PM	1	4	0	0	1	10	3	0	3	7	1	0	0	12	0	0	42	500
5:10 PM	3	4	0	0	6	6	6	0	5	4	2	0	0	5	1	0	42	498
5:15 PM	6	6	0	0	0	6	3	0	2	6	0	0	0	10	1	0	40	501
5:20 PM	2	4	0	0	0	11	5	0	1	6	0	0	0	7	1	0	37	495
5:25 PM	3	7	0	0	1	6	4	0	4	9	3	0	1	5	0	0	43	510
5:30 PM	4	6	1	0	1	7	3	0	2	2	2	0	0	12	1	0	41	508
5:35 PM	4	4	0	0	1	8	3	0	3	10	0	0	0	8	1	0	42	510
5:40 PM	2	4	0	0	2	11	10	0	1	6	2	0	0	10	3	0	51	505
5:45 PM	5	5	1	0	0	4	2	0	3	9	2	0	0	6	1	0	38	501
5:50 PM	2	4	0	0	0	9	2	0	0	6	1	0	1	9	1	0	35	500
5:55 PM	1	3	0	0	2	8	4	0	2	4	2	0	0	5	1	0	32	490

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	24	84	0	0	16	76	64	0	28	96	8	0	4	132	24	0	556
Heavy Trucks	0	16	0		0	8	4		0	4	4		0	4	0		40
Pedestrians		12				0				4				0			16
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0
Railroad																	
Stopped Buses																	

Comments:

Report generated on 5/5/2013 8:05 PM

SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212

Newberg College and 2nd Sts

Vistro File: Scenario: Base Scenario

Report File: F:\...\4 way stop PM Peak Hour.pdf 5/14/2013

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	New Intersection	All-way stop	HCM2010	NBT		8.6	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value; for all other control types, they are taken for the whole intersection.

EXHIBIT B for TSC-13-010 DATA: 4-way stop PM Peak Hour

Intersection Level Of Service Report
#1: New Intersection

Control Type:	All-way stop	Delay (sec / veh):	8.6
Analysis Method:	HCM2010	Level Of Service:	A
Analysis Period:	15 minutes		

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

Name												
Base Volume Input [veh/h]	32	70	0	14	88	51	28	92	11	3	110	11
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	7			3			2			3		
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	32	70	0	14	88	51	28	92	11	3	110	11
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	8	18	0	4	22	13	7	23	3	1	28	3
Total Analysis Volume [veh/h]	32	70	0	14	88	51	28	92	11	3	110	11
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

95th-Percentile Queue Length [veh]	0.48	0.71	0.62	0.57
95th-Percentile Queue Length [ft]	12.01	17.72	15.38	14.35
Approach Delay [s/veh]	8.68	8.60	8.68	8.59
Approach LOS	A	A	A	A
Intersection Delay [s/veh]	8.64			
Intersection LOS	A			

EXHIBIT B for TSC-13-010 DATA: 4-way stop PM Peak Hour

Newberg College and 2nd Sts

Vistro File: Scenario: Base Scenario

Report File: F:\...\4 way stop PM Peak Hour.pdf 5/14/2013

Turning Movement Volume: Summary

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	New Intersection	32	70	0	14	88	51	28	92	11	3	110	11	510

Newberg College and 2nd Sts

Vistro File: Scenario: Base Scenario

Report File: F:\...\4 way stop PM Peak Hour.pdf 5/14/2013

Turning Movement Volume: Detail

ID	Intersection Name	Volume Type	Northbound			Southbound			Eastbound			Westbound			Total Volume
			Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	New Intersection	Final Base	32	70	0	14	88	51	28	92	11	3	110	11	510
		Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
		In Process	0	0	0	0	0	0	0	0	0	0	0	0	0
		Net New Trips	0	0	0	0	0	0	0	0	0	0	0	0	0
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0
		Future Total	**32**	**70**	**0**	**14**	**88**	**51**	**28**	**92**	**11**	**3**	**110**	**11**	**510**

Signal Warrants Report For Intersection #1: New Intersection

Warrants Summary

Warrant	Name	Met?
#1	Eight Hour Vehicular Volume	No
#2	Four Hour Vehicular Volume	No
#3	Peak Hour	No

Intersection Warrants Parameters

Major Approaches	S, N
Minor Approaches	E, W
Speed > 40mph	No
Population < 10,000	No
Warrant Factor	100%

Warrant Analysis Traffic Volumes

Hour	Major Streets		Minor Streets	
	S	N	E	W
1	2	3	2	3
2	2	3	2	3
3	3	5	4	4
4	3	5	4	4
5	4	6	5	5
6	10	15	12	13
7	11	17	14	14
8	20	31	25	26
9	36	54	43	46
10	37	55	45	47
11	37	55	45	47
12	40	60	48	51
13	44	66	53	56
14	46	69	56	59
15	46	69	56	59
16	49	73	60	63
17	61	92	74	79
18	64	96	78	83
19	69	104	84	89
20	78	116	94	100
21	82	122	99	105
22	96	144	117	123
23	98	147	119	126
24	102	153	124	131

EXHIBIT B for TSC-13-010 DATA: 4-way stop PM Peak Hour

Warrant Analysis by Hour

Hour	Major Lanes		Minor Lanes		Warrant 1 Condition A				Warrant 1 Condition B				Warrant 2	Warrant 3
	Number	Volume	Number	Volume	100%	80%	70%	56%	100%	80%	70%	56%		Condition B
1	2	5	2	5	No	No	No	No	No	No	No	No	No	No
2	2	5	2	5	No	No	No	No	No	No	No	No	No	No
3	2	8	2	8	No	No	No	No	No	No	No	No	No	No
4	2	8	2	8	No	No	No	No	No	No	No	No	No	No
5	2	10	2	10	No	No	No	No	No	No	No	No	No	No
6	2	25	2	25	No	No	No	No	No	No	No	No	No	No
7	2	28	2	28	No	No	No	No	No	No	No	No	No	No
8	2	51	2	51	No	No	No	No	No	No	No	No	No	No
9	2	90	2	89	No	No	No	No	No	No	No	No	No	No
10	2	92	2	92	No	No	No	No	No	No	No	No	No	No
11	2	92	2	92	No	No	No	No	No	No	No	No	No	No
12	2	100	2	99	No	No	No	No	No	No	No	No	No	No
13	2	110	2	109	No	No	No	No	No	No	No	No	No	No
14	2	115	2	115	No	No	No	No	No	No	No	No	No	No
15	2	115	2	115	No	No	No	No	No	No	No	No	No	No
16	2	122	2	123	No	No	No	No	No	No	No	No	No	No
17	2	153	2	153	No	No	No	No	No	No	No	No	No	No
18	2	160	2	161	No	No	No	No	No	No	No	No	No	No
19	2	173	2	173	No	No	No	No	No	No	No	No	No	No
20	2	194	2	194	No	No	No	No	No	No	No	No	No	No
21	2	204	2	204	No	No	No	No	No	No	No	No	No	No
22	2	240	2	240	No	No	No	No	No	No	No	No	No	No
23	2	245	2	245	No	No	No	No	No	No	No	No	No	No
24	2	255	2	255	No	No	No	No	No	No	No	No	No	No
Hours Met					0	0	0	0	0	0	0	0	0	0

Warrant 3 Condition A

Orientation	E	W
Total Stopped Delay Per Vehicle on Minor Approach (s)	8.6	8.7
Number of Lanes on Minor Street Approach	1	1
VehicleHours of Stopped Delay on Minor Approach ([h]h:mm)	0:17	0:18
Delay Condition Met	No	No
Volume on Minor Street Approach During Same Hour	124	131
High Minor Volume Condition Met	Yes	Yes
Total Entering Volume on All Approaches During Same Hour	510	510
Number of Approaches on Intersection	4	4
Total Volume Condition Met	No	No
Warrant Met for Approach	No	No
Warrant Met for Intersection	**No**	

EXHIBIT B for TSC-13-010 DATA: 4-way stop PM Peak Hour

Study Intersections

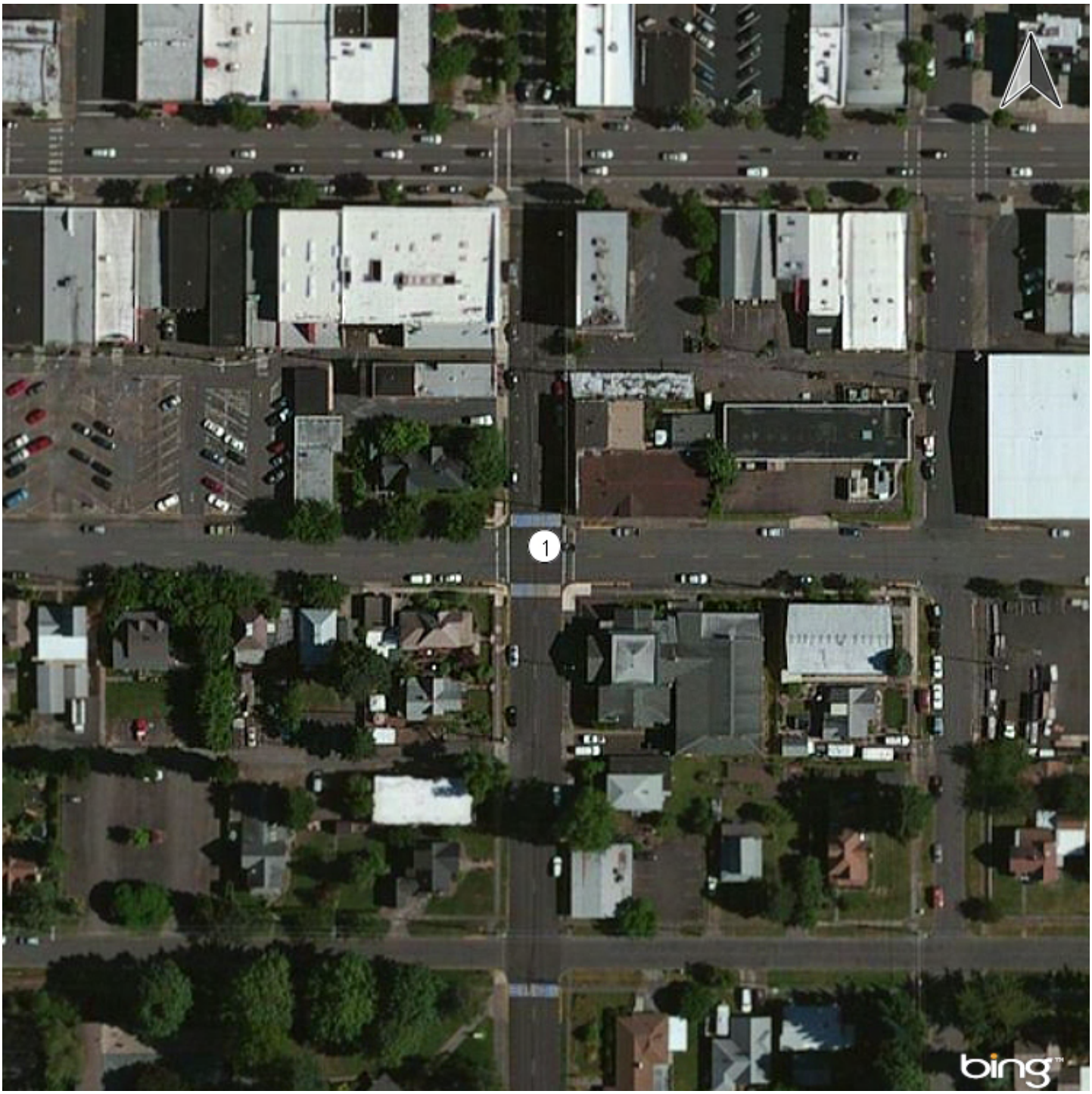


EXHIBIT B for TSC-13-010 DATA: 4-way stop PM Peak Hour

Lane Configuration and Traffic Control

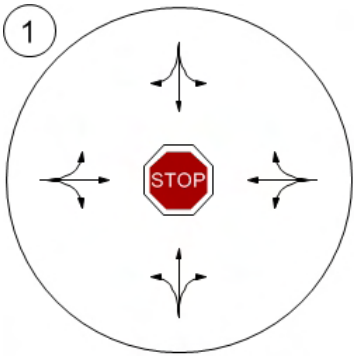


EXHIBIT B for TSC-13-010 DATA: 4-way stop PM Peak Hour

Traffic Volume - Base Volume

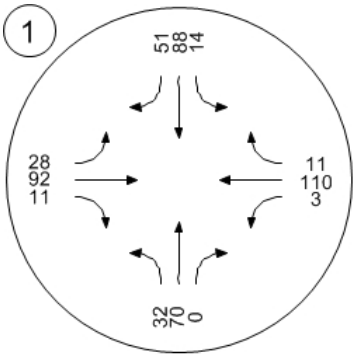


EXHIBIT B for TSC-13-010 DATA: 4-way stop PM Peak Hour

Traffic Volume - In-Process Volume

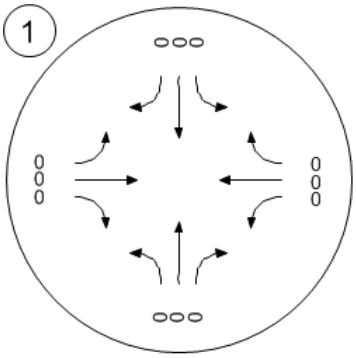


EXHIBIT B for TSC-13-010 DATA: 4-way stop PM Peak Hour

Traffic Volume - Net New Site Trips

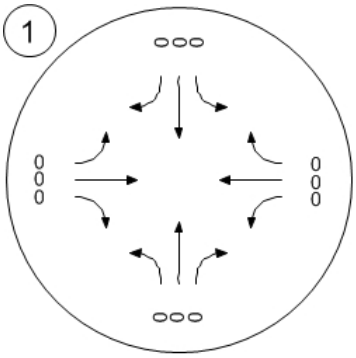


EXHIBIT B for TSC-13-010 DATA: 4-way stop PM Peak Hour

Traffic Volume - Other Volume

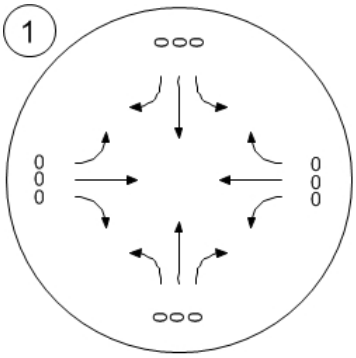


EXHIBIT B for TSC-13-010 DATA: 4-way stop PM Peak Hour

Traffic Volume - Future Total Volume

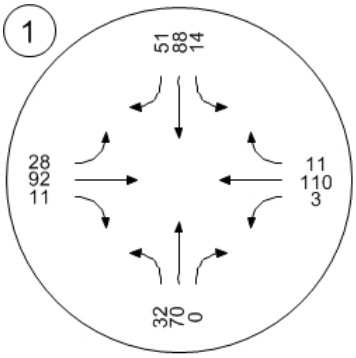
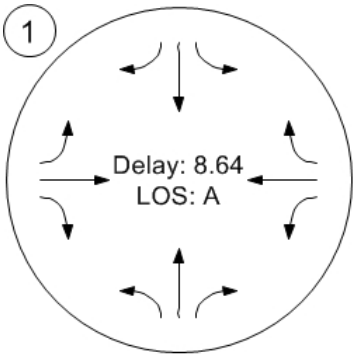


EXHIBIT B for TSC-13-010 DATA: 4-way stop PM Peak Hour

Traffic Conditions



Newberg College and 2nd Sts

Vistro File: Scenario: Base Scenario
Report File: F:\...\Existing PM Peak Hour..pdf 5/14/2013

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	New Intersection	Two-way stop	HCM2010	EBT	0.151	12.6	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value; for all other control types, they are taken for the whole intersection.

EXHIBIT C for TSC-13-010 DATA: Existing PM Peak Hour

Intersection Level Of Service Report
#1: New Intersection

Control Type:	Two-way stop	Delay (sec / veh):	12.6
Analysis Method:	HCM2010	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.151

Name												
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	yes			yes			yes			yes		

Name												
Base Volume Input [veh/h]	32	70	0	14	88	51	28	92	11	3	110	11
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	7			3			2			3		
Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	32	70	0	14	88	51	28	92	11	3	110	11
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	8	18	0	4	22	13	7	23	3	1	28	3
Total Analysis Volume [veh/h]	32	70	0	14	88	51	28	92	11	3	110	11
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Priority Scheme	Free			Free			Stop			Stop		

V/C, Movement V/C Ratio	0.02	0.00	0.00	0.01	0.00	0.00	0.05	0.15	0.01	0.01	0.19	0.01
d_M, Delay for Movement [s/veh]	7.60	0.00	0.00	7.38	0.00	0.00	12.62	12.62	12.62	12.40	12.40	12.40
Movement LOS	A	A	A	A	A	A	B	B	B	B	B	B
d_A, Approach Delay [s/veh]	2.39			0.68			12.62			12.40		
Approach LOS	A			A			B			B		
d_I, Intersection Delay [s/veh]	6.94											

Intersection LOS	B

Newberg College and 2nd Sts

Vistro File: Scenario: Base Scenario

Report File: F:\...\Existing PM Peak Hour..pdf 5/14/2013

Turning Movement Volume: Summary

ID	Intersection Name	Northbound			Southbound			Eastbound			Westbound			Total Volume
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	New Intersection	32	70	0	14	88	51	28	92	11	3	110	11	510

Newberg College and 2nd Sts

Vistro File: Scenario: Base Scenario

Report File: F:\...\Existing PM Peak Hour..pdf 5/14/2013

Turning Movement Volume: Detail

ID	Intersection Name	Volume Type	Northbound			Southbound			Eastbound			Westbound			Total Volume
			Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	New Intersection	Final Base	32	70	0	14	88	51	28	92	11	3	110	11	510
		Growth Rate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
		In Process	0	0	0	0	0	0	0	0	0	0	0	0	0
		Net New Trips	0	0	0	0	0	0	0	0	0	0	0	0	0
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0
		Future Total	**32**	**70**	**0**	**14**	**88**	**51**	**28**	**92**	**11**	**3**	**110**	**11**	**510**

Signal Warrants Report For Intersection #1: New Intersection

Warrants Summary

Warrant	Name	Met?
#1	Eight Hour Vehicular Volume	No
#2	Four Hour Vehicular Volume	No
#3	Peak Hour	No

Intersection Warrants Parameters

Major Approaches	S, N
Minor Approaches	E, W
Speed > 40mph	No
Population < 10,000	No
Warrant Factor	100%

Warrant Analysis Traffic Volumes

Hour	Major Streets		Minor Streets	
	S	N	E	W
1	2	3	2	3
2	2	3	2	3
3	3	5	4	4
4	3	5	4	4
5	4	6	5	5
6	10	15	12	13
7	11	17	14	14
8	20	31	25	26
9	36	54	43	46
10	37	55	45	47
11	37	55	45	47
12	40	60	48	51
13	44	66	53	56
14	46	69	56	59
15	46	69	56	59
16	49	73	60	63
17	61	92	74	79
18	64	96	78	83
19	69	104	84	89
20	78	116	94	100
21	82	122	99	105
22	96	144	117	123
23	98	147	119	126
24	102	153	124	131

Warrant Analysis by Hour

Hour	Major Lanes		Minor Lanes		Warrant 1 Condition A				Warrant 1 Condition B				Warrant 2	Warrant 3
	Number	Volume	Number	Volume	100%	80%	70%	56%	100%	80%	70%	56%		Condition B
1	2	5	2	5	No	No	No	No	No	No	No	No	No	No
2	2	5	2	5	No	No	No	No	No	No	No	No	No	No
3	2	8	2	8	No	No	No	No	No	No	No	No	No	No
4	2	8	2	8	No	No	No	No	No	No	No	No	No	No
5	2	10	2	10	No	No	No	No	No	No	No	No	No	No
6	2	25	2	25	No	No	No	No	No	No	No	No	No	No
7	2	28	2	28	No	No	No	No	No	No	No	No	No	No
8	2	51	2	51	No	No	No	No	No	No	No	No	No	No
9	2	90	2	89	No	No	No	No	No	No	No	No	No	No
10	2	92	2	92	No	No	No	No	No	No	No	No	No	No
11	2	92	2	92	No	No	No	No	No	No	No	No	No	No
12	2	100	2	99	No	No	No	No	No	No	No	No	No	No
13	2	110	2	109	No	No	No	No	No	No	No	No	No	No
14	2	115	2	115	No	No	No	No	No	No	No	No	No	No
15	2	115	2	115	No	No	No	No	No	No	No	No	No	No
16	2	122	2	123	No	No	No	No	No	No	No	No	No	No
17	2	153	2	153	No	No	No	No	No	No	No	No	No	No
18	2	160	2	161	No	No	No	No	No	No	No	No	No	No
19	2	173	2	173	No	No	No	No	No	No	No	No	No	No
20	2	194	2	194	No	No	No	No	No	No	No	No	No	No
21	2	204	2	204	No	No	No	No	No	No	No	No	No	No
22	2	240	2	240	No	No	No	No	No	No	No	No	No	No
23	2	245	2	245	No	No	No	No	No	No	No	No	No	No
24	2	255	2	255	No	No	No	No	No	No	No	No	No	No
Hours Met					0	0	0	0	0	0	0	0	0	0

Warrant 3 Condition A

Orientation	E	W
Total Stopped Delay Per Vehicle on Minor Approach (s)	12.4	12.6
Number of Lanes on Minor Street Approach	1	1
VehicleHours of Stopped Delay on Minor Approach ([h]h:mm)	0:25	0:27
Delay Condition Met	No	No
Volume on Minor Street Approach During Same Hour	124	131
High Minor Volume Condition Met	Yes	Yes
Total Entering Volume on All Approaches During Same Hour	510	510
Number of Approaches on Intersection	4	4
Total Volume Condition Met	No	No
Warrant Met for Approach	No	No
Warrant Met for Intersection	**No**	

EXHIBIT C for TSC-13-010 DATA: Existing PM Peak Hour

Study Intersections

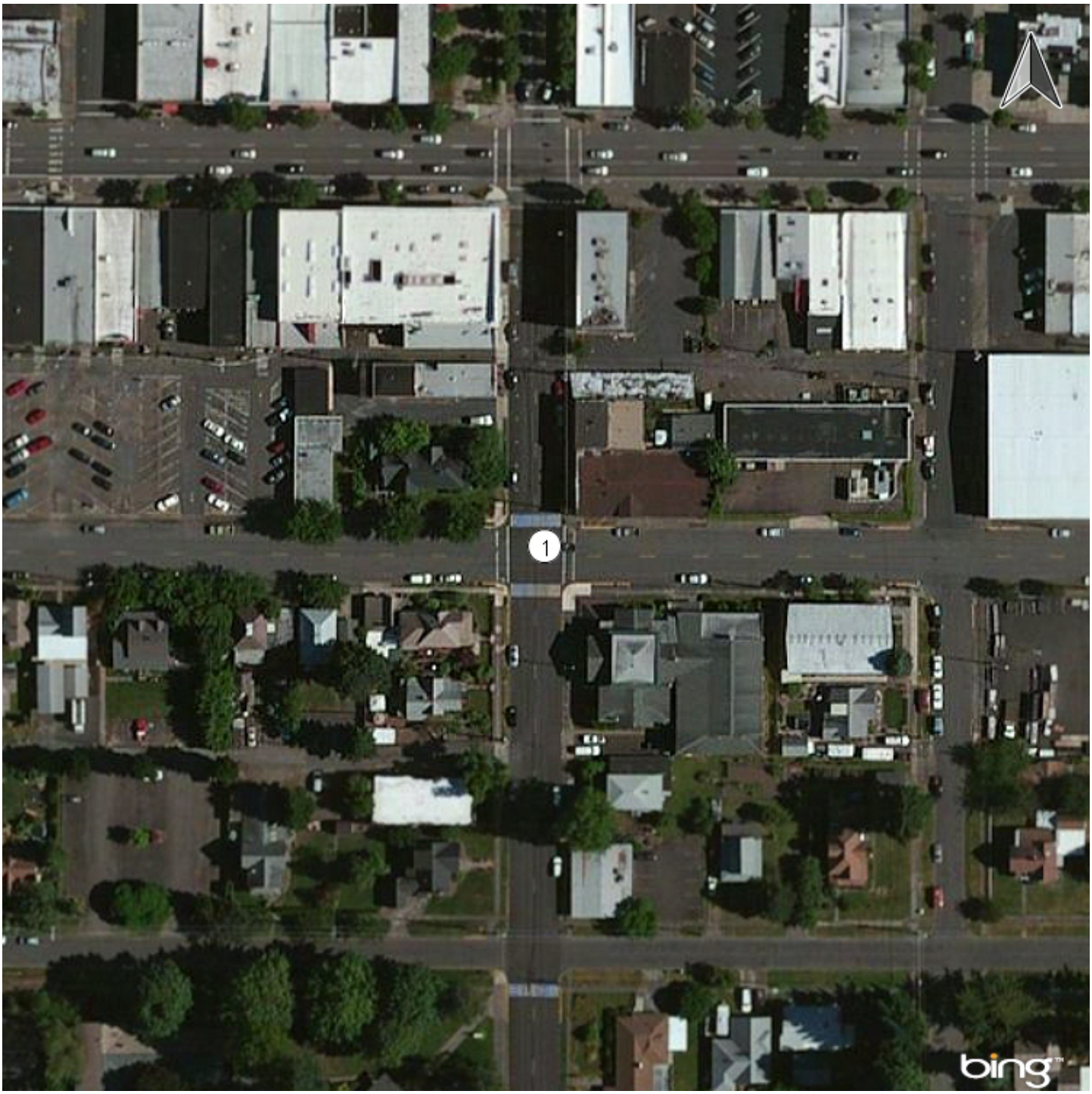


EXHIBIT C for TSC-13-010 DATA: Existing PM Peak Hour

Lane Configuration and Traffic Control

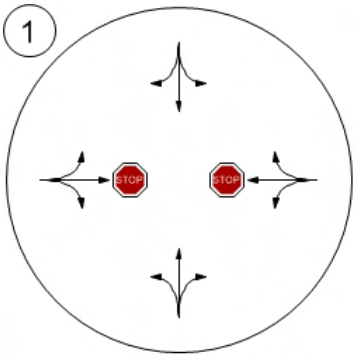


EXHIBIT C for TSC-13-010 DATA: Existing PM Peak Hour

Traffic Volume - Base Volume

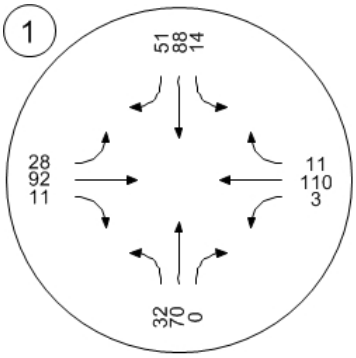


EXHIBIT C for TSC-13-010 DATA: Existing PM Peak Hour

Traffic Volume - In-Process Volume

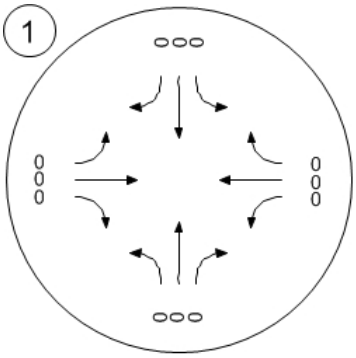


EXHIBIT C for TSC-13-010 DATA: Existing PM Peak Hour

Traffic Volume - Net New Site Trips

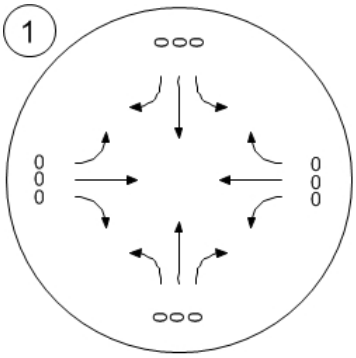


EXHIBIT C for TSC-13-010 DATA: Existing PM Peak Hour

Traffic Volume - Other Volume

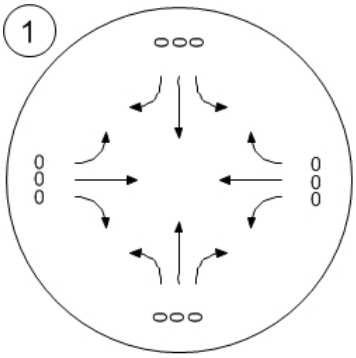


EXHIBIT C for TSC-13-010 DATA: Existing PM Peak Hour

Traffic Volume - Future Total Volume

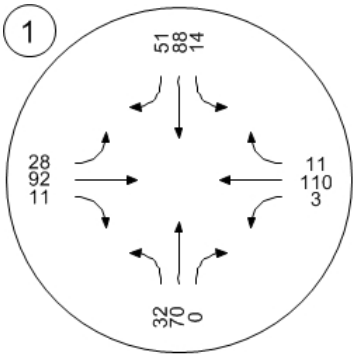
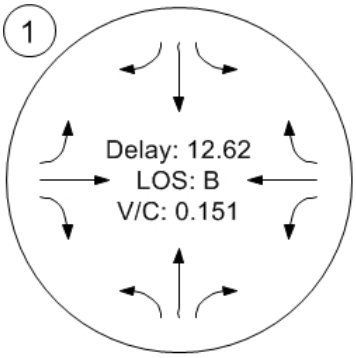


EXHIBIT C for TSC-13-010 DATA: Existing PM Peak Hour

Traffic Conditions



Description 1: 2nd St East of College
Description 2:
Description 3:

Site: 2nd St East of College
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
East Bound

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	1.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	1.3	0.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	2.3	0.0	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	1.3	0.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	3.3	0.0	2.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	25.7	0.3	16.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	45.3	3.7	26.0	15.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	84.7	16.3	43.3	23.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	80.3	7.3	45.7	23.7	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	58.7	8.7	32.7	16.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	61.7	8.0	41.0	11.3	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	78.7	12.3	43.3	21.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	70.0	10.3	40.0	17.7	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	85.0	12.0	46.7	25.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	76.7	9.7	45.0	21.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	83.0	19.0	39.7	23.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	93.3	5.0	56.3	30.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	91.7	7.0	54.7	28.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	75.0	9.0	39.0	24.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	48.3	4.0	27.7	16.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	33.3	4.3	19.3	9.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	20.7	2.0	10.3	7.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	7.7	0.7	5.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	5.0	0.0	3.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	1134.0	140.3	641.3	329.0	21.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	14.6	15.4	18.6	21.6	22.3

10 mph Pace Speed	13.4 - 23.4	Average	18.5 mph
Number in Pace	3037 (89.3 %)	Minimum	5.2 mph
		Maximum	32.5 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.0 %	0.0 %	0.0 %
Count	0	0	0

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
East Bound	3402	421	1924	987	65	5	0	0	0	0	0	0	0	0
		12.4%	56.6%	29.0%	1.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on 2nd St East of College

Description 1: 2nd St East of College
Description 2:
Description 3:

Site: 2nd St East of College
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
West Bound

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	5.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	4.3	3.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	1.7	0.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	8.7	5.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	18.3	13.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	32.3	21.7	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
8:00 AM	50.7	31.0	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	39.7	27.7	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	57.3	43.3	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	64.0	44.7	19.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	70.3	44.3	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	68.7	43.3	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	58.0	42.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	71.3	50.3	20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
4:00 PM	87.0	59.7	26.7	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	89.7	57.7	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
6:00 PM	61.7	38.7	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	40.0	25.7	14.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	31.0	23.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	24.0	15.7	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	11.0	6.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	6.7	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	903.3	605.7	295.3	0.7	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.7

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	10.0	11.1	14.1	16.1	16.7

10 mph Pace Speed	8.2 - 18.2	Average	13.8 mph
Number in Pace	2546 (93.9 %)	Minimum	5.1 mph
		Maximum	88.8 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.1 %	0.1 %	0.1 %
Count	3	2	2

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
West Bound	2710	1817	886	2	0	1	1	0	0	0	0	1	0	2
		67.0%	32.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on 2nd St East of College

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on 2nd St East of College

(Data collected by City staff)

Description 1: 2nd St East of College
Description 2:
Description 3:

Site: 2nd St East of College
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
Combined

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	6.0	3.3	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	5.7	4.0	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	4.0	0.7	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	2.0	0.7	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	4.7	1.3	2.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	34.3	5.3	20.3	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	63.7	16.7	31.3	15.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	117.0	38.0	53.7	23.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
8:00 AM	131.0	38.3	65.3	23.7	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	98.3	36.3	44.7	16.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	119.0	51.3	55.0	11.3	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	142.7	57.0	62.3	21.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	140.3	54.7	66.0	17.7	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	153.7	55.3	72.0	25.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	134.7	51.7	61.0	21.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	154.3	69.3	60.3	23.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
4:00 PM	180.3	64.7	83.0	30.7	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	181.3	64.7	86.3	28.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
6:00 PM	136.7	47.7	62.0	24.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	88.3	29.7	41.7	16.0	0.7	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	64.3	27.3	27.3	9.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	44.7	17.7	18.7	7.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	18.7	7.0	10.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	11.7	3.3	6.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	2037.3	746.0	936.7	329.7	21.7	2.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.7

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	11.8	12.7	16.2	20.4	21.3

10 mph Pace Speed	11.9 - 21.9	Average	16.4 mph
Number in Pace	5024 (82.2 %)	Minimum	5.1 mph
		Maximum	88.8 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.0 %	0.0 %	0.0 %
Count	3	2	2

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
East Bound	3402	421	1924	987	65	5	0	0	0	0	0	0	0	0
		12.4%	56.6%	29.0%	1.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
West Bound	2710	1817	886	2	0	1	1	0	0	0	0	1	0	2
		67.0%	32.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Combined	6112	2238	2810	989	65	6	1	0	0	0	0	1	0	2
		36.6%	46.0%	16.2%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Volume on 2nd St East of College

Description 1: 2nd St East of College
Description 2:
Description 3:

Site: 2nd St East of College
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Volume Grand Totals

Average Hourly Volumes

	East Bound	West Bound	Combined
12:00 AM	1.0	5.0	6.0
1:00 AM	1.3	4.3	5.7
2:00 AM	2.3	1.7	4.0
3:00 AM	1.3	0.7	2.0
4:00 AM	3.3	1.3	4.7
5:00 AM	25.7	8.7	34.3
6:00 AM	45.3	18.3	63.7
7:00 AM	84.7	32.3	117.0
8:00 AM	80.3	50.7	131.0
9:00 AM	58.7	39.7	98.3
10:00 AM	61.7	57.3	119.0
11:00 AM	78.7	64.0	142.7
12:00 PM	70.0	70.3	140.3
1:00 PM	85.0	68.7	153.7
2:00 PM	76.7	58.0	134.7
3:00 PM	83.0	71.3	154.3
4:00 PM	93.3	87.0	180.3
5:00 PM	91.7	89.7	181.3
6:00 PM	75.0	61.7	136.7
7:00 PM	48.3	40.0	88.3
8:00 PM	33.3	31.0	64.3
9:00 PM	20.7	24.0	44.7
10:00 PM	7.7	11.0	18.7
11:00 PM	5.0	6.7	11.7
ADT	1134.0	903.3	2037.3

Study Grand Totals

East Bound	West Bound	Combined
3402	2710	6112
55.7 %	44.3 %	

Description 1: 2nd St. West of College
Description 2:
Description 3:

Site: 2nd St. West of College
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
East Bound

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	2.3	2.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	6.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	23.7	23.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	53.0	52.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	68.3	66.7	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	68.3	67.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	56.3	56.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	58.7	57.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	74.0	72.0	1.7	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	73.0	71.7	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	75.3	74.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	66.7	65.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	68.0	67.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	75.3	72.7	2.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	75.7	74.3	1.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	73.3	73.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	47.7	46.3	1.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	38.3	37.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	24.3	24.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	12.3	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	5.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	1051.0	1033.0	16.0	0.7	0.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	8.9	9.6	11.6	13.2	13.7

10 mph Pace Speed	5.7 - 15.7	Average	11.4 mph
Number in Pace	3120 (99.0 %)	Minimum	5.1 mph
		Maximum	32.3 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.0 %	0.0 %	0.0 %
Count	0	0	0

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
East Bound	3153	3099	48	2	1	3	0	0	0	0	0	0	0	0
		98.3%	1.5%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on 2nd St West of College

Description 1: 2nd St. West of College
Description 2:
Description 3:

Site: 2nd St. West of College
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
Wext Bound

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	7.3	0.0	4.7	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	6.7	0.7	4.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	2.7	0.3	0.7	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	2.0	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	2.7	1.0	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	15.0	2.7	8.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	27.0	3.3	17.0	5.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	57.3	13.3	27.7	15.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	86.7	16.0	39.0	29.0	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	88.7	17.3	48.0	20.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	98.0	25.7	53.7	17.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
11:00 AM	121.3	35.0	54.3	28.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	122.0	26.0	71.3	21.3	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	115.3	29.3	66.7	17.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	123.3	37.7	67.7	17.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	145.7	34.0	86.3	23.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	161.7	31.7	94.0	33.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	158.7	25.7	93.3	35.3	4.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	112.0	21.0	67.7	21.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	80.3	15.0	48.3	15.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	53.7	8.0	31.3	13.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	36.7	4.3	19.7	11.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	21.0	3.3	13.3	4.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	10.7	1.3	5.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	1656.3	353.3	925.3	342.3	34.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	13.6	14.3	17.5	21.0	21.9

10 mph Pace Speed	12.6 - 22.6	Average	17.6 mph
Number in Pace	4324 (87.0 %)	Minimum	5.1 mph
		Maximum	81.6 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.0 %	0.0 %	0.0 %
Count	1	1	1

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
Wext Bound	4969	1060	2776	1027	102	3	0	0	0	0	0	0	0	1
		21.3%	55.9%	20.7%	2.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on 2nd St West of College

Description 1: 2nd St. West of College
Description 2:
Description 3:

Site: 2nd St. West of College
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
Combined

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	9.0	1.7	4.7	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	7.7	1.7	4.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	5.0	2.3	1.0	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	3.7	2.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	9.0	7.3	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	38.7	26.0	8.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	80.0	55.7	17.7	5.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	125.7	80.0	29.0	15.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	155.0	83.3	40.0	29.0	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	145.0	73.3	48.3	20.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	156.7	83.0	55.0	17.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
11:00 AM	195.3	107.0	56.0	28.7	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	195.0	97.7	72.3	21.7	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	190.7	103.7	67.7	17.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	190.0	103.3	68.7	17.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	213.7	101.7	86.7	23.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	237.0	104.3	96.3	33.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	234.3	100.0	94.3	35.3	4.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	185.3	94.0	68.0	21.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	128.0	61.3	49.3	15.7	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	92.0	45.7	32.0	13.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	61.0	28.3	20.0	11.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	33.3	15.7	13.3	4.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	16.3	7.0	5.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	2707.3	1386.3	941.3	343.0	34.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	10.2	10.9	14.8	19.8	20.9

10 mph Pace Speed	10.0 - 20.0	Average	15.2 mph
Number in Pace	6267 (77.2 %)	Minimum	5.1 mph
		Maximum	81.6 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.0 %	0.0 %	0.0 %
Count	1	1	1

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
East Bound	3153	3099	48	2	1	3	0	0	0	0	0	0	0	0
		98.3%	1.5%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wext Bound	4969	1060	2776	1027	102	3	0	0	0	0	0	0	0	1
		21.3%	55.9%	20.7%	2.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Combined	8122	4159	2824	1029	103	6	0	0	0	0	0	0	0	1
		51.2%	34.8%	12.7%	1.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on 2nd St West of College

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Volume on 2nd St West of College

Description 1: 2nd St. West of College
Description 2:
Description 3:

Site: 2nd St. West of College
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Volume Grand Totals

Average Hourly Volumes

	East Bound	Wext Bound	Combined
12:00 AM	1.7	7.3	9.0
1:00 AM	1.0	6.7	7.7
2:00 AM	2.3	2.7	5.0
3:00 AM	1.7	2.0	3.7
4:00 AM	6.3	2.7	9.0
5:00 AM	23.7	15.0	38.7
6:00 AM	53.0	27.0	80.0
7:00 AM	68.3	57.3	125.7
8:00 AM	68.3	86.7	155.0
9:00 AM	56.3	88.7	145.0
10:00 AM	58.7	98.0	156.7
11:00 AM	74.0	121.3	195.3
12:00 PM	73.0	122.0	195.0
1:00 PM	75.3	115.3	190.7
2:00 PM	66.7	123.3	190.0
3:00 PM	68.0	145.7	213.7
4:00 PM	75.3	161.7	237.0
5:00 PM	75.7	158.7	234.3
6:00 PM	73.3	112.0	185.3
7:00 PM	47.7	80.3	128.0
8:00 PM	38.3	53.7	92.0
9:00 PM	24.3	36.7	61.0
10:00 PM	12.3	21.0	33.3
11:00 PM	5.7	10.7	16.3
ADT	1051.0	1656.3	2707.3

Study Grand Totals

East Bound	Wext Bound	Combined
3153	4969	8122
38.8 %	61.2 %	

Description 1: College North of 2nd St
Description 2:
Description 3:

Site: College North of 2nd St
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
South Bound

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	8.0	0.0	1.7	5.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	4.3	0.0	2.3	0.7	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	3.0	0.0	1.3	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	3.0	0.0	0.3	1.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	3.7	0.0	1.0	1.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	14.7	0.3	3.3	7.3	2.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	45.7	1.7	10.0	24.3	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	85.7	4.3	28.7	41.3	9.7	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	92.7	5.3	46.3	35.3	5.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	75.0	11.3	34.7	27.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	71.3	12.7	38.3	19.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	79.0	16.7	36.3	22.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	99.0	15.7	50.3	30.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	92.0	20.3	44.0	22.7	4.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	111.0	20.7	51.3	34.3	4.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	116.3	13.7	61.7	36.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	133.7	14.7	61.3	47.3	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	128.7	15.3	48.3	54.0	10.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	100.7	6.7	34.3	48.7	10.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	72.3	4.3	23.7	36.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	55.3	2.3	18.0	27.3	7.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	35.7	1.3	10.7	19.3	4.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	26.3	3.3	8.3	10.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	12.3	0.7	2.7	7.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	1469.3	171.3	619.0	561.7	111.3	5.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	14.6	15.6	19.7	23.7	24.6

10 mph Pace Speed	14.8 - 24.8	Average	19.6 mph
Number in Pace	3560 (80.8 %)	Minimum	5.1 mph
		Maximum	38.6 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.0 %	0.0 %	0.0 %
Count	0	0	0

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
South Bound	4408	514	1857	1685	334	16	2	0	0	0	0	0	0	0
		11.7%	42.1%	38.2%	7.6%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on College North of 2nd

Description 1: College North of 2nd St
Description 2:
Description 3:

Site: College North of 2nd St
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
North Bound

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	3.7	0.3	0.7	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	2.0	0.0	0.3	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	2.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	1.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	9.0	0.3	4.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	16.3	0.7	2.3	9.3	2.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	36.7	4.7	17.0	11.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	66.3	8.7	29.7	24.7	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	74.7	12.3	31.7	26.0	4.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	53.3	7.7	28.3	14.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	46.7	8.0	27.3	10.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	59.0	9.0	28.3	19.3	2.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	66.3	13.7	34.7	16.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	65.3	15.0	32.0	15.3	2.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	69.3	12.7	33.3	20.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	89.0	20.3	44.3	22.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	76.7	12.0	36.7	24.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	86.7	12.7	39.3	31.3	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	61.3	3.0	29.3	25.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	49.7	4.3	20.0	19.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	43.0	3.0	19.7	18.0	2.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	28.7	3.0	11.7	9.7	4.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	12.7	1.3	5.3	5.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	5.3	0.3	1.7	2.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	1025.0	153.3	479.0	334.0	53.3	5.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	14.0	15.0	19.0	23.0	24.0

10 mph Pace Speed	14.1 - 24.1	Average	18.9 mph
Number in Pace	2469 (80.3 %)	Minimum	5.3 mph
		Maximum	36.7 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.0 %	0.0 %	0.0 %
Count	0	0	0

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
North Bound	3075	460	1437	1002	160	15	1	0	0	0	0	0	0	0
		15.0%	46.7%	32.6%	5.2%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on College North of 2nd

Description 1: College North of 2nd St
Description 2:
Description 3:

Site: College North of 2nd St
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
Combined

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	11.7	0.3	2.3	7.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	6.3	0.0	2.7	2.0	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	5.0	0.0	2.3	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	4.3	0.3	0.7	1.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	12.7	0.3	5.0	6.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	31.0	1.0	5.7	16.7	5.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	82.3	6.3	27.0	35.7	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	152.0	13.0	58.3	66.0	12.3	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	167.3	17.7	78.0	61.3	9.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	128.3	19.0	63.0	42.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	118.0	20.7	65.7	29.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	138.0	25.7	64.7	41.7	5.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	165.3	29.3	85.0	46.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	157.3	35.3	76.0	38.0	7.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	180.3	33.3	84.7	54.3	7.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	205.3	34.0	106.0	58.3	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	210.3	26.7	98.0	72.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	215.3	28.0	87.7	85.3	13.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	162.0	9.7	63.7	74.0	14.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	122.0	8.7	43.7	56.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	98.3	5.3	37.7	45.3	9.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	64.3	4.3	22.3	29.0	8.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	39.0	4.7	13.7	15.7	4.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	17.7	1.0	4.3	9.7	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	2494.3	324.7	1098.0	895.7	164.7	10.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	14.3	15.3	19.4	23.4	24.4

10 mph Pace Speed	14.7 - 24.7	Average	19.3 mph
Number in Pace	6015 (80.4 %)	Minimum	5.1 mph
		Maximum	38.6 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.0 %	0.0 %	0.0 %
Count	0	0	0

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
South Bound	4408	514	1857	1685	334	16	2	0	0	0	0	0	0	0
		11.7%	42.1%	38.2%	7.6%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Bound	3075	460	1437	1002	160	15	1	0	0	0	0	0	0	0
		15.0%	46.7%	32.6%	5.2%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Combined	7483	974	3294	2687	494	31	3	0	0	0	0	0	0	0
		13.0%	44.0%	35.9%	6.6%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on College North of 2nd

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Volume on College St North of 2nd

Description 1: College North of 2nd St
Description 2:
Description 3:

Site: College North of 2nd St
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Volume Grand Totals

Average Hourly Volumes

	South Bound	North Bound	Combined
12:00 AM	8.0	3.7	11.7
1:00 AM	4.3	2.0	6.3
2:00 AM	3.0	2.0	5.0
3:00 AM	3.0	1.3	4.3
4:00 AM	3.7	9.0	12.7
5:00 AM	14.7	16.3	31.0
6:00 AM	45.7	36.7	82.3
7:00 AM	85.7	66.3	152.0
8:00 AM	92.7	74.7	167.3
9:00 AM	75.0	53.3	128.3
10:00 AM	71.3	46.7	118.0
11:00 AM	79.0	59.0	138.0
12:00 PM	99.0	66.3	165.3
1:00 PM	92.0	65.3	157.3
2:00 PM	111.0	69.3	180.3
3:00 PM	116.3	89.0	205.3
4:00 PM	133.7	76.7	210.3
5:00 PM	128.7	86.7	215.3
6:00 PM	100.7	61.3	162.0
7:00 PM	72.3	49.7	122.0
8:00 PM	55.3	43.0	98.3
9:00 PM	35.7	28.7	64.3
10:00 PM	26.3	12.7	39.0
11:00 PM	12.3	5.3	17.7
ADT	1469.3	1025.0	2494.3

Study Grand Totals

South Bound	North Bound	Combined
4408	3075	7483
58.9 %	41.1 %	

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on College South of 2nd

(Data collected by City staff)

Description 1: College South of 2nd St
Description 2:
Description 3:

Site: College South of 2nd St
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
South Bound

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	6.0	0.3	0.0	3.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	4.0	0.3	0.7	1.3	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	2.7	0.3	0.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	3.0	0.0	0.3	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	3.0	0.0	0.3	1.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	11.7	0.3	2.0	3.3	4.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	48.0	1.7	10.3	15.3	18.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	59.0	7.3	12.0	27.0	11.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	70.0	4.0	20.3	32.3	12.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	45.7	4.3	16.7	17.0	7.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	48.3	5.7	14.7	21.7	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	65.7	4.7	23.0	28.0	9.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	65.7	5.7	21.3	27.0	11.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	56.0	6.3	18.3	21.7	8.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	69.7	7.7	18.0	33.3	9.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	74.7	13.0	21.7	32.0	7.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	91.0	3.0	20.3	37.7	27.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	87.0	4.7	17.3	31.3	30.7	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	96.3	5.0	25.7	35.0	28.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	57.7	3.3	8.7	26.3	17.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	48.7	1.3	10.7	20.0	15.3	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	29.0	0.7	7.3	10.3	8.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	23.0	1.3	5.0	9.3	7.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	11.0	0.0	2.0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	1076.7	81.0	277.0	441.3	252.3	24.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	15.8	17.1	22.2	26.3	27.2

10 mph Pace Speed	17.2 - 27.2	Average	21.8 mph
Number in Pace	2406 (74.5 %)	Minimum	5.7 mph
		Maximum	36.0 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.0 %	0.0 %	0.0 %
Count	0	0	0

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
South Bound	3230	243	831	1324	757	74	1	0	0	0	0	0	0	0
		7.5%	25.7%	41.0%	23.4%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Description 1: College South of 2nd St
Description 2:
Description 3:

Site: College South of 2nd St
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
North Bound

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	3.3	0.3	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	3.3	0.3	1.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	1.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	2.3	0.0	1.3	0.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	4.0	0.0	0.7	2.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	18.7	0.7	2.0	9.3	5.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	25.7	1.0	6.7	15.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	67.3	11.0	22.7	25.3	7.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	61.3	7.0	20.0	27.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	48.3	8.3	21.7	14.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	48.7	12.7	22.0	11.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	65.3	10.0	29.7	23.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	57.0	9.3	25.7	20.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	55.3	13.3	20.7	18.3	2.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	59.0	8.3	27.7	20.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	85.0	22.0	38.3	21.7	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	76.7	4.0	33.7	34.0	4.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	76.3	6.7	27.3	35.3	6.7	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	67.3	5.0	25.3	30.7	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	56.3	3.0	20.3	23.3	9.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	41.0	3.3	15.7	19.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	25.7	2.0	9.7	9.3	4.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	12.0	0.0	4.7	5.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	5.0	0.0	0.3	3.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	966.0	128.3	378.7	372.3	82.0	4.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	14.1	15.5	19.8	23.9	24.8

10 mph Pace Speed	15.4 - 25.4	Average	19.6 mph
Number in Pace	2271 (78.4 %)	Minimum	5.0 mph
		Maximum	35.1 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.0 %	0.0 %	0.0 %
Count	0	0	0

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
North Bound	2898	385	1136	1117	246	13	1	0	0	0	0	0	0	0
		13.3%	39.2%	38.5%	8.5%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on College South of 2nd

Description 1: College South of 2nd St
Description 2:
Description 3:

Site: College South of 2nd St
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Speed Grand Totals
Combined

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	9.3	0.7	1.0	4.7	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	7.3	0.7	2.0	3.0	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	3.7	0.3	0.7	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	5.3	0.0	1.7	1.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	7.0	0.0	1.0	4.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	30.3	1.0	4.0	12.7	10.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	73.7	2.7	17.0	30.3	21.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	126.3	18.3	34.7	52.3	19.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	131.3	11.0	40.3	60.0	19.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	94.0	12.7	38.3	31.0	11.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	97.0	18.3	36.7	33.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	131.0	14.7	52.7	51.0	12.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	122.7	15.0	47.0	47.0	13.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	111.3	19.7	39.0	40.0	11.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	128.7	16.0	45.7	53.7	12.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	159.7	35.0	60.0	53.7	10.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	167.7	7.0	54.0	71.7	32.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	163.3	11.3	44.7	66.7	37.3	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	163.7	10.0	51.0	65.7	34.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	114.0	6.3	29.0	49.7	26.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	89.7	4.7	26.3	39.0	18.3	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	54.7	2.7	17.0	19.7	13.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	35.0	1.3	9.7	15.0	8.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	16.0	0.0	2.3	7.3	5.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	2042.7	209.3	655.7	813.7	334.3	29.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Percentile Speeds (mph)	10%	15%	50%	85%	90%
	14.9	16.1	20.9	25.4	26.3

10 mph Pace Speed	16.0 - 26.0	Average	20.8 mph
Number in Pace	4550 (74.2 %)	Minimum	5.0 mph
		Maximum	36.0 mph

Speeds Exceeded	55 mph	65 mph	75 mph
	0.0 %	0.0 %	0.0 %
Count	0	0	0

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
South Bound	3230	243	831	1324	757	74	1	0	0	0	0	0	0	0
		7.5%	25.7%	41.0%	23.4%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Bound	2898	385	1136	1117	246	13	1	0	0	0	0	0	0	0
		13.3%	39.2%	38.5%	8.5%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Combined	6128	628	1967	2441	1003	87	2	0	0	0	0	0	0	0
		10.2%	32.1%	39.8%	16.4%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Speed on College South of 2nd

(Data collected by City staff)

EXHIBIT D for TSC-13-010 DATA: Speed & Volume

TSC-13-010 Volume on College St South of 2nd

Description 1: College South of 2nd St
Description 2:
Description 3:

Site: College South of 2nd St
Tuesday, 04/02/2013, 12:00:00 AM -
Thursday, 04/04/2013, 11:59:59 PM

Volume Grand Totals

Average Hourly Volumes

	South Bound	North Bound	Combined
12:00 AM	6.0	3.3	9.3
1:00 AM	4.0	3.3	7.3
2:00 AM	2.7	1.0	3.7
3:00 AM	3.0	2.3	5.3
4:00 AM	3.0	4.0	7.0
5:00 AM	11.7	18.7	30.3
6:00 AM	48.0	25.7	73.7
7:00 AM	59.0	67.3	126.3
8:00 AM	70.0	61.3	131.3
9:00 AM	45.7	48.3	94.0
10:00 AM	48.3	48.7	97.0
11:00 AM	65.7	65.3	131.0
12:00 PM	65.7	57.0	122.7
1:00 PM	56.0	55.3	111.3
2:00 PM	69.7	59.0	128.7
3:00 PM	74.7	85.0	159.7
4:00 PM	91.0	76.7	167.7
5:00 PM	87.0	76.3	163.3
6:00 PM	96.3	67.3	163.7
7:00 PM	57.7	56.3	114.0
8:00 PM	48.7	41.0	89.7
9:00 PM	29.0	25.7	54.7
10:00 PM	23.0	12.0	35.0
11:00 PM	11.0	5.0	16.0
ADT	1076.7	966.0	2042.7

Study Grand Totals

South Bound	North Bound	Combined
3230	2898	6128
52.7 %	47.3 %	