

NORTH CENTRAL WISCONSIN REGIONAL PLANNING COMMISSION

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MEMORANDUM

TO: Mike Tolvstad, Director of Public Works – City of Tomahawk
FROM: Matthew Guptail, GISP
DATE: September 20, 2012
RE: Traffic Count Report

The City of Tomahawk requested traffic counting services from the North Central Wisconsin Regional Planning Commission for four locations within the city. These locations are described in Table 1.

Count #	Count Location	Location Description	Counting Period
1	Theiler Dr	Between Address #1925 & #2117	Thur - Tues 8/30 - 9/4
2	Kaphaem Rd	About 150yds N. of the Harley Plant Entrance	Tues - Tues 9/4 – 9/11
3	W Mohawk Dr	East of driveway to Storage Units & Stonewood Center	Tues - Fri 9/11 - 9/14
4	Wheeler Rd	About 100yds N. from the intersection of Bridge St.	Fri - Wed 9/14 – 9-19

The Town requested general information with regard to traffic volumes on these roads. The attached reports summarize the data from these sites. For each location, there is a vehicle volume report, with average hourly vehicle counts by lane direction and totals for the counting period, a combined speed report with totals combined for both directions by speed group and time, and a combined classification report with totals combined for both directions by type of vehicle and time.

On Theiler Dr, traffic averages about 307 vehicles per day. The majority of vehicles counted were cars and pick-ups with a small percentage of larger trucks. Average speed over the counting period was about 34 mph with a maximum speed of over 66 mph being recorded.

On Kaphaem Rd, traffic averages about 983 vehicles per day. The majority of vehicles counted were cars and pick-ups with a small percentage of larger trucks. Average speed over the counting period was about 39 mph with a maximum speed of about 85 mph being recorded.

On W Mohawk Dr, traffic averages about 1,789 vehicles per day. The majority of vehicles counted were cars and pick-ups with a small percentage of larger trucks. Average speed over the counting period was about 21 mph. The counter registered a maximum speed of 99 mph, which due to location is not possible; it was most likely 40-45mph.

On Wheeler Rd, traffic averages about 52 vehicles per day. The majority of vehicles counted were cars and pick-ups with a small percentage of larger trucks. Average speed over the counting period was about 32 mph with a maximum speed of about 54 mph being recorded.

If you have any questions about this memo or the traffic count data, please feel free to contact me at 715-849-5510 ext 303 or mguptail@ncwrpc.org. More detailed information may be available should you need it. We appreciate this opportunity to be of service to the City of Tomahawk and look forward to assisting the City again in the future. Thank you.

Location: City of Tomahawk
Road: Theiler Dr
Report Type: Traffic Count

Site: C_Tomahawk2012A
Friday, 8/31/2012, 12:00:00 AM -
Tuesday, 9/4/2012, 12:00:00 AM

Volume Grand Totals

Average Hourly Volumes			
	Ebnd	Wbnd	Combined
12:00 AM	2.5	2.8	5.3
1:00 AM	0.5	0.8	1.3
2:00 AM	1.8	0.8	2.5
3:00 AM	1.0	1.3	2.3
4:00 AM	2.5	0.8	3.3
5:00 AM	2.3	0.8	3.0
6:00 AM	2.5	4.8	7.3
7:00 AM	11.0	7.3	18.3
8:00 AM	8.0	6.5	14.5
9:00 AM	11.3	10.8	22.0
10:00 AM	12.8	11.8	24.5
11:00 AM	10.8	11.3	22.0
12:00 PM	7.0	14.5	21.5
1:00 PM	12.0	13.3	25.3
2:00 PM	11.3	11.0	22.3
3:00 PM	10.0	9.8	19.8
4:00 PM	8.8	8.0	16.8
5:00 PM	7.5	9.0	16.5
6:00 PM	6.8	11.5	18.3
7:00 PM	5.5	4.3	9.8
8:00 PM	3.5	7.0	10.5
9:00 PM	2.3	6.0	8.3
10:00 PM	2.0	5.3	7.3
11:00 PM	2.0	2.5	4.5
ADT	145.3	161.3	306.5

Study Grand Totals

Ebnd	Wbnd	Combined
581	645	1226
47.4 %	52.6 %	

Speed Grand Totals
 Combined

mph	Hourly Averages												
	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	5.3	0.0	0.0	0.8	2.5	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	1.3	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	2.5	0.0	0.0	0.3	1.3	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	2.3	0.0	0.0	0.5	1.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0
4:00 AM	3.3	0.0	0.0	0.5	1.0	0.8	0.5	0.5	0.0	0.0	0.0	0.0	0.0
5:00 AM	3.0	0.0	0.0	0.5	1.0	1.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0
6:00 AM	7.3	0.0	0.0	0.5	2.3	2.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0
7:00 AM	18.3	0.3	0.3	3.0	7.0	4.8	1.8	0.5	0.3	0.0	0.0	0.0	0.0
8:00 AM	14.5	0.3	0.0	2.5	4.5	4.8	2.0	0.3	0.0	0.0	0.0	0.0	0.0
9:00 AM	22.0	0.3	0.0	3.5	5.3	6.8	3.5	0.5	0.0	0.0	0.0	0.0	0.0
10:00 AM	24.5	0.3	1.0	3.8	8.3	7.3	2.8	0.8	0.0	0.0	0.0	0.0	0.0
11:00 AM	22.0	0.0	0.0	3.8	8.3	7.8	1.5	0.3	0.0	0.0	0.0	0.3	0.0
12:00 PM	21.5	0.0	0.0	2.0	9.0	7.0	3.0	0.3	0.0	0.0	0.0	0.0	0.0
1:00 PM	25.3	0.0	0.0	2.8	9.0	7.8	3.8	1.3	0.3	0.0	0.0	0.0	0.0
2:00 PM	22.3	0.5	0.3	3.8	7.3	5.5	3.3	1.0	0.3	0.0	0.0	0.0	0.0
3:00 PM	19.8	0.3	0.0	1.0	9.0	4.8	2.0	0.3	0.3	0.0	0.0	0.0	0.0
4:00 PM	16.8	0.5	0.0	0.3	5.0	6.0	2.8	0.5	0.0	0.0	0.0	0.0	0.0
5:00 PM	16.5	0.0	0.0	0.3	7.3	4.0	2.0	0.3	0.5	0.0	0.0	0.0	0.0
6:00 PM	18.3	0.0	0.3	4.0	5.3	5.5	2.3	0.3	0.3	0.0	0.0	0.0	0.0
7:00 PM	9.8	0.0	0.3	1.5	5.0	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	10.5	0.0	0.3	1.0	4.8	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	8.3	0.0	0.0	1.3	3.0	3.5	0.3	0.0	0.3	0.0	0.0	0.0	0.0
10:00 PM	7.3	0.0	0.0	0.3	2.5	1.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0
11:00 PM	4.5	0.0	0.0	1.5	1.0	1.3	0.5	0.0	0.3	0.0	0.0	0.0	0.0
ADT	306.5	2.3	2.3	49.0	110.5	88.3	37.3	8.0	2.3	0.3	0.0	0.3	0.0

Percentile Speeds
 (mph)

10%	15%	50%	85%	90%
27.6	28.6	34.2	40.3	41.4

10 mph Pace Speed
 Number in Pace

Average	34.3 mph
Minimum	5.2 mph
Maximum	66.2 mph

Speeds Exceeded

45 mph	55 mph	65 mph
3.5 %	0.2 %	0.1 %
43	2	1

Study Grand Totals

mph	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
Ebnd	3	4	14	80	209	167	79	18	5	1	0	1	0
Wbnd	6	5	11	116	233	186	70	14	4	0	0	0	0
Combined	9	9	25	196	442	353	149	32	9	1	0	1	0
	0.5%	0.7%	2.4%	13.8%	36.0%	28.7%	13.6%	3.1%	0.9%	0.2%	0.0%	0.2%	0.0%
	0.9%	0.8%	1.7%	18.0%	36.1%	28.8%	10.9%	2.2%	0.6%	0.0%	0.0%	0.0%	0.0%
	0.7%	0.7%	2.0%	16.0%	36.1%	28.8%	12.2%	2.6%	0.7%	0.1%	0.0%	0.1%	0.0%

Classification Grand Totals
 Combined

	Hourly Averages													
	Total	Bike	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi
12:00 AM	5.3	0.0	3.8	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	1.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	2.5	0.0	2.0	0.5	0.0	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	2.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	3.3	0.0	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	3.0	0.0	1.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	7.3	0.0	4.8	2.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	18.3	1.0	8.8	6.5	0.0	0.3	1.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	14.5	0.5	7.0	5.5	0.3	0.3	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	22.0	0.3	10.5	9.5	0.0	1.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	24.5	2.3	11.0	6.5	0.3	2.0	1.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	22.0	2.0	11.3	7.3	0.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	21.5	2.8	11.3	6.8	0.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	25.3	2.0	12.8	8.3	0.0	1.8	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	22.3	1.5	9.5	8.3	0.5	0.5	0.8	0.5	0.8	0.0	0.0	0.0	0.0	0.0
3:00 PM	19.8	0.3	10.0	5.5	0.3	1.0	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	16.8	1.3	9.8	4.5	0.0	1.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
5:00 PM	16.5	1.5	10.3	4.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	18.3	1.5	9.8	5.3	0.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	9.8	0.5	6.8	2.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	10.5	0.5	6.8	2.5	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	8.3	0.3	6.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	7.3	0.3	4.3	2.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	4.5	0.0	3.3	0.8	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	306.5	18.3	167.3	93.0	2.3	14.0	4.5	4.3	3.0	0.0	0.0	0.0	0.0	0.0

	Study Grand Totals													
	Total	Bike	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi
Ebnd	581	38	325	167	3	25	16	0	7	0	0	0	0	0
Wbnd	645	6.5%	55.9%	28.7%	0.5%	4.3%	2.8%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Combined	1226	5.4%	53.3%	31.8%	0.9%	4.8%	0.3%	2.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%
		73	669	372	9	56	18	17	12	0	0	0	0	0
		6.0%	54.6%	30.3%	0.7%	4.6%	1.5%	1.4%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Location: City of Tomahawk
 Road: Kaphaem Rd
 Report Type: Traffic Count

Site: C_Tomahawk2012B
 Wednesday, 9/5/2012, 12:00:00 AM -
 Tuesday, 9/11/2012, 12:00:00 AM

Volume Grand Totals

Average Hourly Volumes			
	Nbnd	Sbnd	Combined
12:00 AM	6.5	1.8	8.3
1:00 AM	0.8	3.2	4.0
2:00 AM	2.8	9.0	11.8
3:00 AM	2.0	3.8	5.8
4:00 AM	4.3	35.2	39.5
5:00 AM	5.3	12.0	17.3
6:00 AM	16.3	22.8	39.2
7:00 AM	41.7	22.5	64.2
8:00 AM	27.2	33.2	60.3
9:00 AM	35.0	28.2	63.2
10:00 AM	25.2	24.2	49.3
11:00 AM	25.5	24.7	50.2
12:00 PM	27.0	29.3	56.3
1:00 PM	60.0	51.2	111.2
2:00 PM	29.3	31.7	61.0
3:00 PM	39.3	26.7	66.0
4:00 PM	31.5	34.0	65.5
5:00 PM	25.3	30.0	55.3
6:00 PM	21.2	22.3	43.5
7:00 PM	16.7	17.2	33.8
8:00 PM	7.0	12.2	19.2
9:00 PM	5.7	10.3	16.0
10:00 PM	24.0	9.3	33.3
11:00 PM	5.3	3.7	9.0
ADT	485.0	498.3	983.3

Study Grand Totals

Nbnd	Sbnd	Combined
2910	2990	5900
49.3 %	50.7 %	

Speed Grand Totals
 Combined

mph	Hourly Averages											ADT	
	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65		65 - < 70
12:00 AM	8.3	0.0	0.0	0.5	1.0	3.2	2.8	0.7	0.2	0.0	0.0	0.0	0.0
1:00 AM	4.0	0.0	0.2	0.5	0.5	1.7	0.8	0.3	0.0	0.0	0.0	0.0	0.0
2:00 AM	11.8	0.0	0.0	0.0	2.7	5.2	2.5	0.8	0.2	0.0	0.0	0.0	0.0
3:00 AM	5.8	0.0	0.0	0.3	1.0	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	39.5	0.2	0.0	0.2	0.8	11.7	19.0	5.5	1.7	0.3	0.2	0.0	0.0
5:00 AM	17.3	0.0	0.0	0.5	0.7	4.3	7.2	3.0	1.3	0.2	0.2	0.0	0.0
6:00 AM	39.2	0.0	0.0	0.0	2.0	8.5	17.5	2.3	0.3	0.0	0.0	0.0	0.0
7:00 AM	64.2	0.2	0.2	0.3	1.2	11.3	28.3	17.5	4.3	0.5	0.2	0.0	0.2
8:00 AM	60.3	0.2	0.0	0.3	2.0	11.8	26.8	12.2	5.2	1.7	0.2	0.0	0.0
9:00 AM	63.2	0.3	0.2	0.7	1.7	11.2	29.3	13.8	4.3	1.2	0.5	0.0	0.0
10:00 AM	49.3	0.0	0.3	0.0	2.5	8.0	22.2	12.7	2.3	1.3	0.0	0.0	0.0
11:00 AM	50.2	0.0	0.2	0.0	1.2	7.8	19.8	14.3	4.3	1.8	0.5	0.0	0.2
12:00 PM	56.3	0.0	0.0	0.3	1.7	9.3	24.8	13.2	5.8	0.7	0.3	0.0	0.2
1:00 PM	111.2	0.2	0.2	0.0	2.8	22.0	49.7	26.3	8.2	1.2	0.3	0.0	0.2
2:00 PM	61.0	0.2	0.0	0.5	2.5	10.5	26.7	14.8	4.7	0.7	0.5	0.0	0.0
3:00 PM	66.0	0.2	0.0	0.7	0.7	7.7	27.0	19.8	7.5	2.0	0.2	0.0	0.3
4:00 PM	65.5	0.0	0.0	0.3	1.2	6.8	23.2	21.7	9.3	2.8	0.2	0.0	0.0
5:00 PM	55.3	0.0	0.0	0.0	0.5	5.7	21.8	17.3	7.8	2.0	0.0	0.0	0.0
6:00 PM	43.5	0.0	0.0	0.0	0.7	7.7	17.7	12.8	3.2	0.8	0.5	0.0	0.0
7:00 PM	33.8	0.0	0.0	0.2	1.8	5.5	13.7	8.0	3.7	0.8	0.2	0.0	0.0
8:00 PM	19.2	0.0	0.0	0.0	1.7	3.8	7.0	5.0	0.8	0.7	0.0	0.0	0.0
9:00 PM	16.0	0.0	0.0	0.0	1.5	2.5	6.3	4.8	0.7	0.2	0.0	0.0	0.0
10:00 PM	33.3	0.0	0.0	0.0	0.7	5.2	15.0	10.2	2.0	0.3	0.0	0.0	0.0
11:00 PM	9.0	0.0	0.0	0.0	0.7	1.7	3.3	2.5	0.7	0.2	0.0	0.0	0.0
ADT	983.3	1.3	1.2	4.3	30.5	168.2	418.7	251.7	82.0	20.0	3.8	0.5	0.2

Percentile Speeds
 (mph) 10% 15% 50% 85% 90%
 32.7 33.9 38.2 43.8 45.1

10 mph Pace Speed
 Number in Pace 33.9 - 43.9
 4301 (72.9%)
 Average Minimum Maximum
 38.7 mph 8.2 mph 85.1 mph

Speeds Exceeded
 Count 45 mph 55 mph 65 mph
 10.9% 0.6% 0.1%
 645 33 7

mph	Study Grand Totals												
	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
Nbnd	3	4	11	96	502	1196	760	253	62	15	2	0	6
Sbnd	0.1%	0.1%	0.4%	3.3%	17.3%	41.1%	26.1%	8.7%	2.1%	0.5%	0.1%	0.0%	0.2%
Combined	5	3	15	87	507	1316	750	239	58	8	1	1	0
	0.2%	0.1%	0.5%	2.9%	17.0%	44.0%	25.1%	8.0%	1.9%	0.3%	0.0%	0.0%	0.0%
	8	7	26	183	1009	2512	1510	492	120	23	3	1	6
	0.1%	0.1%	0.4%	3.1%	17.1%	42.6%	25.6%	8.3%	2.0%	0.4%	0.1%	0.0%	0.1%

Classification Grand Totals
 Combined

	Hourly Averages												
	Total	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi
12:00 AM	8.3	0.0	6.7	1.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0
1:00 AM	4.0	0.0	2.3	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	11.8	0.5	7.7	3.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	5.8	0.0	3.7	1.0	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	39.5	1.5	22.8	14.0	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	17.3	0.0	7.3	7.8	0.0	1.0	0.0	0.0	0.2	1.0	0.0	0.0	0.0
6:00 AM	39.2	0.3	17.8	14.0	3.3	2.7	0.3	0.0	0.2	0.5	0.0	0.0	0.0
7:00 AM	64.2	2.0	34.7	16.2	5.8	2.5	1.5	0.2	0.0	1.3	0.0	0.0	0.0
8:00 AM	60.3	0.8	27.3	13.3	10.5	3.3	1.8	0.2	1.3	1.7	0.0	0.0	0.0
9:00 AM	63.2	3.5	31.8	18.8	1.7	4.2	1.3	0.2	0.8	0.8	0.0	0.0	0.0
10:00 AM	49.3	2.2	22.7	14.2	2.5	4.3	1.5	0.3	1.2	0.5	0.0	0.0	0.0
11:00 AM	50.2	2.0	25.2	14.3	1.5	2.3	1.5	0.0	1.5	1.8	0.0	0.0	0.0
12:00 PM	56.3	1.2	31.3	14.7	1.7	2.5	1.3	0.2	0.2	3.0	0.0	0.0	0.0
1:00 PM	111.2	5.5	64.3	33.5	2.2	2.7	1.0	0.0	0.7	1.3	0.0	0.0	0.0
2:00 PM	61.0	2.2	35.0	15.2	2.8	3.3	1.7	0.2	0.2	0.5	0.0	0.0	0.0
3:00 PM	66.0	1.0	34.2	17.2	9.0	2.8	1.3	0.2	0.2	0.2	0.0	0.0	0.0
4:00 PM	65.5	2.3	38.0	16.2	4.5	3.2	0.7	0.2	0.3	0.2	0.0	0.0	0.0
5:00 PM	55.3	2.3	34.7	13.8	2.2	1.3	0.3	0.0	0.5	0.2	0.0	0.0	0.0
6:00 PM	43.5	1.2	29.8	11.0	0.7	0.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0
7:00 PM	33.8	0.5	22.7	7.8	1.0	1.3	0.0	0.2	0.3	0.0	0.0	0.0	0.0
8:00 PM	19.2	0.3	11.0	6.2	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	16.0	0.3	9.8	3.5	1.3	0.7	0.0	0.0	0.2	0.2	0.0	0.0	0.0
10:00 PM	33.3	1.0	21.0	9.8	0.0	1.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0
11:00 PM	9.0	0.0	6.2	2.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	983.3	30.7	548.0	269.7	54.2	42.3	14.3	1.8	7.7	14.3	0.3	0.0	0.0

Study Grand Totals

	Study Grand Totals												
	Total	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi
Nbnd	2910	94	1591	829	159	32	9	21	44	1	0	0	0
Sbnd	2990	3.2%	54.7%	28.5%	5.5%	4.5%	0.3%	0.7%	1.5%	0.0%	0.0%	0.0%	0.0%
Combined	5900	184	3288	1618	325	86	11	46	86	2	0	0	0
		3.1%	55.7%	27.4%	5.5%	4.3%	0.2%	0.8%	1.5%	0.0%	0.0%	0.0%	0.0%

Location: City of Tomahawk
 Road: W Mohawk Dr
 Report Type: Traffic Count

Site: C_Tomahawk2012B
 Wednesday, 9/12/2012, 12:00:00 AM -
 Friday, 9/14/2012, 12:00:00 AM

Volume Grand Totals

Average Hourly Volumes			
	Ebnd	Wbnd	Combined
12:00 AM	2.0	0.5	2.5
1:00 AM	1.0	0.5	1.5
2:00 AM	2.0	1.5	3.5
3:00 AM	0.5	1.0	1.5
4:00 AM	4.0	2.0	6.0
5:00 AM	3.0	14.5	17.5
6:00 AM	10.5	37.0	47.5
7:00 AM	33.5	76.0	109.5
8:00 AM	46.0	85.0	131.0
9:00 AM	69.0	64.0	133.0
10:00 AM	72.0	64.5	136.5
11:00 AM	71.5	61.0	132.5
12:00 PM	85.0	69.5	154.5
1:00 PM	64.0	60.5	124.5
2:00 PM	59.0	74.0	133.0
3:00 PM	73.5	55.5	129.0
4:00 PM	87.0	60.0	147.0
5:00 PM	85.5	57.5	143.0
6:00 PM	44.5	48.5	93.0
7:00 PM	30.5	28.5	59.0
8:00 PM	22.5	17.5	40.0
9:00 PM	5.5	12.0	17.5
10:00 PM	3.0	13.0	16.0
11:00 PM	5.5	4.5	10.0
ADT	880.5	908.5	1789.0

Study Grand Totals

Ebnd	Wbnd	Combined
1761	1817	3578
49.2 %	50.8 %	

Speed Grand Totals
 Combined

mph	Hourly Averages												
	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
Total	2.5	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 AM	0.5	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	1.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	3.5	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	1.5	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	6.0	3.0	3.0	2.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	17.5	2.5	2.5	9.0	4.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	47.5	9.5	19.0	10.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
7:00 AM	109.5	14.5	21.5	49.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	131.0	19.0	62.0	21.5	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	133.0	21.5	34.5	60.5	2.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
10:00 AM	136.5	22.0	39.0	54.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	132.5	17.5	39.0	50.5	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
12:00 PM	154.5	28.0	46.5	51.5	1.5	0.0	1.0	0.5	0.0	0.0	0.0	0.0	1.0
1:00 PM	124.5	15.0	24.5	32.0	1.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	133.0	19.0	31.0	57.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	129.0	12.0	26.0	56.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	147.0	28.5	30.5	30.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	143.0	17.0	34.0	58.0	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	93.0	13.5	22.5	33.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	59.0	12.5	17.5	19.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	40.0	10.5	14.0	13.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	17.5	5.0	5.5	4.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	16.0	4.5	4.0	6.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	10.0	2.5	3.0	3.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	1789.0	274.5	433.0	716.0	326.5	3.0	2.5	0.5	1.0	0.0	0.0	0.0	1.5

Percentile Speeds
 (mph)

10%	15%	50%	85%	90%
13.4	14.9	21.6	25.7	26.6

10 mph Pace Speed
 Number in Pace

Average	20.8 mph
Minimum	5.5 mph
Maximum	99.3 mph

Speeds Exceeded

45 mph	55 mph	65 mph
0.2 %	0.1 %	0.1 %
6	3	3

Study Grand Totals

mph	Study Grand Totals												
	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
Total	1761	275	440	706	306	3	3	1	1	0	0	0	3
Ebnd	15.6%	25.0%	40.1%	17.4%	1.3%	0.2%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.2%
Wbnd	1817	274	426	726	347	3	2	0	1	0	0	0	0
Combined	3578	549	866	1432	653	6	5	1	2	0	0	0	3
	15.3%	24.2%	40.0%	18.3%	1.7%	0.2%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%

Location: City of Tomahawk
 Road: Wheeler Rd
 Report Type: Traffic Count

Site: C_Tomahawk2012D
 Saturday, 9/15/2012, 12:00:00 AM -
 Wednesday, 9/19/2012, 12:00:00 AM

Volume Grand Totals

Average Hourly Volumes			
	Sbnd	Nbnd	Combined
12:00 AM	0.3	0.5	0.8
1:00 AM	0.0	0.0	0.0
2:00 AM	0.0	0.0	0.0
3:00 AM	0.0	0.0	0.0
4:00 AM	0.8	0.0	0.8
5:00 AM	0.5	0.0	0.5
6:00 AM	0.5	0.3	0.8
7:00 AM	2.5	1.3	3.8
8:00 AM	2.3	1.3	3.5
9:00 AM	3.0	1.8	4.8
10:00 AM	1.3	2.0	3.3
11:00 AM	1.8	1.5	3.3
12:00 PM	3.3	2.5	5.8
1:00 PM	1.0	0.8	1.8
2:00 PM	2.0	3.3	5.3
3:00 PM	1.3	2.0	3.3
4:00 PM	1.3	1.8	3.0
5:00 PM	2.0	2.5	4.5
6:00 PM	0.8	2.0	2.8
7:00 PM	0.5	0.8	1.3
8:00 PM	1.0	1.3	2.3
9:00 PM	0.0	0.3	0.3
10:00 PM	0.0	0.0	0.0
11:00 PM	0.0	0.3	0.3
ADT	25.8	25.8	51.5

Study Grand Totals			
	Sbnd	Nbnd	Combined
	103	103	206
	50.0 %	50.0 %	

Location: City of Tomahawk
 Road: Wheeler Rd
 Report Type: Traffic Count

Site: C_Tomahawk2012D
 Saturday, 9/15/2012, 12:00:00 AM -
 Wednesday, 9/19/2012, 12:00:00 AM

Speed Grand Totals
 Combined

mph	Hourly Averages												
	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
Total	0.8	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 AM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	0.8	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	0.5	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	0.8	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	3.8	0.0	0.3	1.0	2.0	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	3.5	0.0	0.0	0.0	2.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	4.8	0.0	0.0	0.3	0.5	3.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	3.3	0.0	0.0	1.0	1.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	3.3	0.0	0.0	0.3	1.0	1.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0
12:00 PM	5.8	0.0	0.0	0.3	2.3	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	1.8	0.0	0.0	0.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	5.3	0.0	0.0	0.8	1.3	1.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
3:00 PM	3.3	0.0	0.0	0.0	1.3	1.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
4:00 PM	3.0	0.0	0.0	0.3	1.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	4.5	0.5	0.0	0.5	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	2.8	0.0	0.0	0.3	1.0	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	1.3	0.0	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	2.3	0.0	0.0	0.5	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADT	51.5	1.0	3.5	8.8	22.5	11.5	3.0	0.5	0.3	0.0	0.0	0.0	0.0

Percentile Speeds
 (mph)

10%	15%	50%	85%	90%
24.8	26.6	32.0	37.2	38.7

10 mph Pace Speed
 Number in Pace

28.4 - 38.4	32.2 mph
143 (69.4 %)	9.3 mph
	54.2 mph

Speeds Exceeded

45 mph	55 mph	65 mph
1.5 %	0.0 %	0.0 %
3	0	0

Count

mph	Study Grand Totals												
	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
Total	103	1	4	15	48	28	6	1	0	0	0	0	0
Sbnd	0	1	3	10	42	18	6	1	0	0	0	0	0
Nbnd	2	3	10	20	42	18	6	1	0	0	0	0	0
Combined	2	4	14	35	90	46	12	2	1	0	0	0	0
	1.0%	1.9%	6.8%	17.0%	43.7%	22.3%	5.8%	1.0%	0.5%	0.0%	0.0%	0.0%	0.0%

