

Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Stettler
Street: 46 Ave.
Location: West of 56 St.

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Westbound lane at 46 Ave. in Stettler, AB in Stettler county. The study began on Apr/21/10 at 12:25 and concluded on Apr/30/10 at 12:14, lasting a total of 215.82 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 8036 vehicles passed through the location with a peak volume of 138 on Apr/21/10 at [17:25-18:25] and a minimum volume of 0 on Apr/22/10 at [22:25-23:25]. The AADT count for this study was 894.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 56 - 64 KM/H range or lower. The average speed for all classified vehicles was 59 KM/H with 85.50% vehicles exceeding the posted speed of 50 KM/H. The HI-STAR found 0.11 percent of the total vehicles were traveling in excess of 89 KM/H. The mode speed for this traffic study was 56KM/H and the 85th percentile was 70.11 KM/H.

<	16	24	32	40	48	56	64	72	80	89	97	105	113	121				
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
15	23	31	39	47	55	63	71	79	88	96	104	112	120	>				
2	1	15	218	929	1732	2402	2003	551	148	26	6	2	1	0				

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin . Most of the vehicles classified during the study were Tractor Trailers. The number of Passenger Vehicles in the study was 3855 which represents 48 percent of the total classified vehicles. The number of Vans & Pickups in the study was 0 which represents 0 percent of the total classified vehicles. The number of Busses & Trucks in the study was 0 which represents 0 percent of the total classified vehicles. The number of Tractor Trailers in the study was 4181 which represents 52 percent of the total classified vehicles.

<	1.9	2.2	2.3	2.4	2.5	2.6	2.8	3.0	3.1	3.2	3.4	3.7	4.2	4.3				
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
1.8	2.1	2.2	2.3	2.4	2.5	2.7	2.9	3.0	3.1	3.3	3.6	4.1	4.2	>				
706	0	238	0	310	0	350	0	365	0	0	529	403	954	4181				

CHART 2

HEADWAY

During the peak traffic period, on Apr/21/10 at [17:25-18:25] the average headway between vehicles was 25.899 seconds. During the slowest traffic period, on Apr/22/10 at [22:25-23:25] the average headway between vehicles was 3600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 0.00 and 0.00 degrees C. The HI-STAR determined that the roadway surface was Dry 100.00% of the time.