

**Nu-Metrics Traffic Analyzer Study
 Computer Generated Summary Report
 City: Stettler
 Street: 46 Street
 Location: North of 50 Ave.**

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Southbound lane at 46 Street in Stettler, AB in Stettler county. The study began on May/04/11 at 11:19 and concluded on May/15/11 at 23:23, lasting a total of 276.07 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 11095 vehicles passed through the location with a peak volume of 113 on May/10/11 at [11:19-12:19] and a minimum volume of 0 on May/05/11 at [01:19-02:19]. The AADT count for this study was 965.

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 40 - 48 KM/H range or lower. The average speed for all classified vehicles was 41 KM/H with 20.21% vehicles exceeding the posted speed of 50 KM/H. The HI-STAR found 0.01 percent of the total vehicles were traveling in excess of 89 KM/H. The mode speed for this traffic study was 40KM/H and the 85th percentile was 50.38 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	>				
140	146	1443	2912	4212	1942	265	26	7	1	0	1	0	0	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 Passenger Vehicles. The number of Passenger Vehicles in the study was 6252 which represents 56 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 4843 which represents 44 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	>				
83	0	16	0	24	0	89	0	332	0	0	1240	1477	2991	4843				

CHART 2

HEADWAY

During the peak traffic period, on May/10/11 at [11:19-12:19] the average headway between vehicles was 31.579 seconds. During the slowest traffic period, on May/05/11 at [01:19-02:19] 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.