

**Nu-Metrics Traffic Analyzer Study
 Computer Generated Summary Report
 City: Stettler
 Street: 44 Ave.
 Location: S of SRC**

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Westbound lane at 44 Ave. in Stettler, AB in Stettler county. The study began on Sep-16-09 at 13:42 and concluded on Sep-23-09 at 14:22, lasting a total of 168.67 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 12541 vehicles passed through the location with a peak volume of 219 on Sep-17-09 at [15:42-16:42] and a minimum volume of 0 on Sep-21-09 at [02:42-03:42]. The AADT count for this study was 1,784.

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 48 - 56 KM/H range or lower. The average speed for all classified vehicles was 51 KM/H with 64.01% vehicles exceeding the posted speed of 50 KM/H. The HI-STAR found 0.03 percent of the total vehicles were traveling in excess of 89 KM/H. The mode speed for this traffic study was 48KM/H and the 85th percentile was 62.47 KM/H.

< to 15	16 to 23	24 to 31	32 to 39	40 to 47	48 to 55	56 to 63	64 to 71	72 to 79	80 to 88	89 to 96	97 to 104	105 to 112	113 to 120	121 to >					
55	42	443	2246	1727	3568	3189	1064	164	30	9	2	1	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 4701 which represents 37 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 7840 which represents 63 percent of the total classified vehicles.

< to 1.8	1.9 to 2.1	2.2 to 2.2	2.3 to 2.3	2.4 to 2.4	2.5 to 2.5	2.6 to 2.7	2.8 to 2.9	3.0 to 3.0	3.1 to 3.1	3.2 to 3.3	3.4 to 3.6	3.7 to 4.1	4.2 to 4.2	4.3 to >					
255	0	96	0	150	0	179	0	295	0	0	668	813	2245	7840					

CHART 2

HEADWAY

During the peak traffic period, on Sep-17-09 at [15:42-16:42] the average headway between vehicles was 16.364 seconds. During the slowest traffic period, on Sep-21-09 at [02:42-03:42] 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.