

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Stettler
Street: 52 Ave.
Location: near 58 St.**

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Westbound lane at 52 Ave. in Stettler, AB in Stettler county. The study began on Aug-28-09 at 10:15 and concluded on Sep-03-09 at 14:26, lasting a total of 148.18 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 2786 vehicles passed through the location with a peak volume of 62 on Aug-28-09 at [16:15-17:15] and a minimum volume of 0 on Aug-29-09 at [16:15-17:15]. The AADT count for this study was 451.

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 57 KM/H with 82.91% vehicles exceeding the posted speed of 50 KM/H. The HI-STAR found 0.14 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 68.37 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 >					
29	8	70	147	222	658	947	526	136	32	7	3	1	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 Tractor Trailers. The number of Passenger Vehicles in the study was 917 which represents 33 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 1869 which represents 67 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 >					
55	0	15	0	17	0	42	0	63	0	0	107	139	479	1869					

CHART 2

HEADWAY

During the peak traffic period, on Aug-28-09 at [16:15-17:15] the average headway between vehicles was 57.143 seconds. During the slowest traffic period, on Aug-29-09 at [16:15-17:15] 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.