

**Nu-Metrics Traffic Analyzer Study
 Computer Generated Summary Report
 City: Stettler
 Street: 40 Ave.
 Location: N of LDS Church**

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Eastbound lane at 40 Ave. in Stettler, AB in Stettler county. The study began on Oct-28-09 at 10:04 and concluded on Nov-06-09 at 10:37, lasting a total of 216.55 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 6355 vehicles passed through the location with a peak volume of 112 on Oct-29-09 at [08:04-09:04] and a minimum volume of 0 on Oct-29-09 at [03:04-04:04]. The AADT count for this study was 704.

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 32 - 40 KM/H range or lower. The average speed for all classified vehicles was 40 KM/H with 4.88% vehicles exceeding the posted speed of 50 KM/H. The HI-STAR found 0.00 percent of the total vehicles were traveling in excess of 89 KM/H. The mode speed for this traffic study was 32KM/H and the 85th percentile was 46.07 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 >					
20	18	334	2998	2675	300	8	2	0	0	0	0	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 Tractor Trailers. The number of Passenger Vehicles in the study was 2877 which represents 45 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 3478 which represents 55 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 >					
353	0	107	0	172	0	211	0	222	0	0	411	384	1017	3478					

CHART 2

HEADWAY

During the peak traffic period, on Oct-29-09 at [08:04-09:04] the average headway between vehicles was 31.858 seconds. During the slowest traffic period, on Oct-29-09 at [03:04-04:04] 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.