

**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 Eastbound lane at 52 Ave. in Stettler, AB in Stettler county. The study began on Aug-28-09 at 10:17 and concluded on Sep-03-09 at 14:25, lasting a total of 148.13 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 2689 vehicles passed through the location with a peak volume of 63 on Aug-31-09 at [08:17-09:17] and a minimum volume of 0 on Aug-29-09 at [16:17-17:17]. The AADT count for this study was 436.

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 81.26% vehicles exceeding the posted speed of 50 KM/H. The HI-STAR found 0.22 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 68.57 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	>					
9	5	55	157	278	656	826	523	127	41	6	2	2	2	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 1371 which represents 51 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 1318 which represents 49 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	>					
229	0	90	0	98	0	116	0	142	0	0	200	161	335	1318					

CHART 2

HEADWAY

During the peak traffic period, on Aug-31-09 at [08:17-09:17] the average headway between vehicles was 56.25 seconds. During the slowest traffic period, on Aug-29-09 at [16:17-17:17] 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.