

Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Stettler
Street: 60 St.
Location: South of 55 Ave.

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Southbound lane at 60 St. in Stettler, AB in Stettler county. The study began on Aug/20/10 at 12:01 and concluded on Aug/30/10 at 09:58, lasting a total of 237.95 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 814 vehicles passed through the location with a peak volume of 14 on Aug/21/10 at [16:01-17:01] and a minimum volume of 0 on Aug/24/10 at [23:01-00:01]. The AADT count for this study was 82.

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 43 KM/H with 30.59% 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 40KM/H and the 85th percentile was 53.17 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	>					
20	8	49	187	301	195	43	10	1	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 Passenger Vehicles. The number of Passenger Vehicles in the study was 459 which represents 56 percent of the total classified vehicles. The number of Vans & Pickups in the study was 279 which represents 34 percent of the total classified vehicles. The number of Busses & Trucks in the study was 65 which represents 8 percent of the total classified vehicles. The number of Tractor Trailers in the study was 11 which represents 1 percent of the total classified vehicles.

<	3.1	4.6	6.1	7.6	9.1	10.7	12.2	13.7	15.2	16.8	18.3	19.8	21.3	22.9					
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to					
3.0	4.5	6.0	7.5	9.0	10.6	12.1	13.6	15.1	16.7	18.2	19.7	21.2	22.8	>					
65	29	365	279	57	4	4	2	4	4	0	0	0	0	1					

CHART 2

HEADWAY

During the peak traffic period, on Aug/21/10 at [16:01-17:01] the average headway between vehicles was 240 seconds. During the slowest traffic period, on Aug/24/10 at [23:01-00:01] 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.