

Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Stettler
Street: 50 St.
Location: By Cemetery

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Northbound lane at 50 St. in Stettler, AB in Stettler county. The study began on Oct-19-09 at 14:24 and concluded on Oct-27-09 at 09:32, lasting a total of 187.13 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 1144 vehicles passed through the location with a peak volume of 38 on Oct-22-09 at [15:24-16:24] and a minimum volume of 0 on Oct-19-09 at [23:24-00:24]. The AADT count for this study was 147.

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 64 - 72 KM/H range or lower. The average speed for all classified vehicles was 62 KM/H with 86.45% vehicles exceeding the posted speed of 50 KM/H. The HI-STAR found 0.70 percent of the total vehicles were traveling in excess of 89 KM/H. The mode speed for this traffic study was 64KM/H and the 85th percentile was 75.69 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	>					
3	0	12	35	105	226	253	278	130	71	23	5	3	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 437 which represents 38 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 707 which represents 62 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	>					
46	0	22	0	29	0	18	0	33	0	0	66	77	146	707					

CHART 2

HEADWAY

During the peak traffic period, on Oct-22-09 at [15:24-16:24] the average headway between vehicles was 92.308 seconds. During the slowest traffic period, on Oct-19-09 at [23:24-00:24] 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.