

Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Stettler
Street: 82 St.
Location: north of railway tracks

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the northbound lane at 82 St. in Stettler, AB in Stettler county. The study began on Jul/29/13 at 19:06 and concluded on Aug/09/13 at 15:41, lasting a total of 260.58 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 467 vehicles passed through the location with a peak volume of 59 on Aug/07/13 at [18:06-19:06] and a minimum volume of 0 on Jul/30/13 at [13:06-14:06]. The AADT count for this study was 43.

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 60 KM/H with 75.59% vehicles exceeding the posted speed of 50 KM/H. The HI-STAR found 5.14 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 83.86 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	>				
53	24	7	13	17	38	55	85	83	49	19	17	3	3	1				

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 Trucks. The number of Pedestrians/Bikes in the study was 23 which represents 5 percent of the total classified vehicles. The number of Passenger Vehicles in the study was 0 which represents 0 percent of the total classified vehicles. The number of Trucks in the study was 268 which represents 57 percent of the total classified vehicles. The number of Tractor Trailers in the study was 176 which represents 38 percent of the total classified vehicles.

<	2.2	5.0	12.0															
to	to	to	to															
2.1	4.9	11.9	>															
23	0	268	176															

CHART 2

HEADWAY

During the peak traffic period, on Aug/07/13 at [18:06-19:06] the average headway between vehicles was 60 seconds. During the slowest traffic period, on Jul/30/13 at [13:06-14:06] 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.