

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

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the southbound lane at 82 St. in Stettler, AB in stettler county. The study began on Jul/29/13 at 19:13 and concluded on Aug/09/13 at 15:20, lasting a total of 260.12 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 434 vehicles passed through the location with a peak volume of 32 on Aug/07/13 at [18:13-19:13] and a minimum volume of 0 on Jul/30/13 at [12:13-13:13]. The AADT count for this study was 40.

**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 59 KM/H with 79.49% vehicles exceeding the posted speed of 50 KM/H. The HI-STAR found 1.38 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 77.84 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	>				
33	3	4	18	31	65	80	88	63	31	12	5	0	0	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 13 which represents 3 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 282 which represents 65 percent of the total classified vehicles. The number of Tractor Trailers in the study was 139 which represents 32 percent of the total classified vehicles.

<	2.2	5.0	12.0															
to	to	to	to															
2.1	4.9	11.9	>															
13	0	282	139															

CHART 2

**HEADWAY**

During the peak traffic period, on Aug/07/13 at [18:13-19:13] the average headway between vehicles was 109.091 seconds. During the slowest traffic period, on Jul/30/13 at [12:13-13:13] 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.