

**Nu-Metrics Traffic Analyzer Study**  
**Computer Generated Summary Report**  
**City: Stettler**  
**Street: N. Service Rd.**  
**Location: East of 72 St.**

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Westbound lane at N. Service Rd. in Stettler, AB in Stettler county. The study began on Oct/14/11 at 15:50 and concluded on Oct/25/11 at 12:51, lasting a total of 261.02 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 338 vehicles passed through the location with a peak volume of 7 on Oct/14/11 at [15:50-16:50] and a minimum volume of 0 on Oct/14/11 at [19:50-20:50]. The AADT count for this study was 31.

**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 31.04% 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 55.19 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	2	67	73	86	59	27	11	4	3	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 Tractor Trailers. The number of Small Vehicles/Pedestrians in the study was 3 which represents 1 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 Busses & Trucks in the study was 149 which represents 44 percent of the total classified vehicles. The number of Tractor Trailers in the study was 183 which represents 55 percent of the total classified vehicles.

<	2.0	4.3	10.7															
to	to	to	to															
1.9	4.2	10.6	>															
3	0	149	183															

CHART 2

**HEADWAY**

During the peak traffic period, on Oct/14/11 at [15:50-16:50] the average headway between vehicles was 450 seconds. During the slowest traffic period, on Oct/14/11 at [19:50-20:50] 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.