

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 Eastbound lane at N. Service Rd. in Stettler, AB in Stettler county. The study began on Oct/14/11 at 15:56 and concluded on Oct/25/11 at 12:57, lasting a total of 261.02 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 273 vehicles passed through the location with a peak volume of 6 on Oct/18/11 at [12:56-13:56] and a minimum volume of 0 on Oct/14/11 at [17:56-18:56]. The AADT count for this study was 25.

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 32 - 40 KM/H range or lower. The average speed for all classified vehicles was 42 KM/H with 28.68% 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 32KM/H and the 85th percentile was 55.40 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	>				
1	6	51	83	53	40	24	11	3	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 Tractor Trailers. The number of Small Vehicles/Pedestrians in the study was 1 which represents 0 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 113 which represents 42 percent of the total classified vehicles. The number of Tractor Trailers in the study was 158 which represents 58 percent of the total classified vehicles.

<	2.0	4.3	10.7															
to	to	to	to															
1.9	4.2	10.6	>															
1	0	113	158															

CHART 2

HEADWAY

During the peak traffic period, on Oct/18/11 at [12:56-13:56] the average headway between vehicles was 514.286 seconds. During the slowest traffic period, on Oct/14/11 at [17:56-18:56] 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.