

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report**

City: Stettler

Street: 40 Ave.

Location: East of Hwy. 56

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Eastbound lane at 40 Ave. in Stettler, AB in Stettler county. The study began on Sep/03/10 at 14:14 and concluded on Sep/16/10 at 10:46, lasting a total of 308.53 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 2540 vehicles passed through the location with a peak volume of 27 on Sep/03/10 at [15:14-16:14] and a minimum volume of 0 on Sep/12/10 at [23:14-00:14]. The AADT count for this study was 198.

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 37 KM/H with 5.16% 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 44.99 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	>				
41	29	298	1373	668	114	16	1	0	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 Passenger Vehicles in the study was 1083 which represents 43 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 1457 which represents 57 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	>				
54	0	34	0	42	0	46	0	92	0	0	150	168	497	1457				

CHART 2

HEADWAY

During the peak traffic period, on Sep/03/10 at [15:14-16:14] the average headway between vehicles was 128.571 seconds. During the slowest traffic period, on Sep/12/10 at [23:14-00:14] 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.