

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

City: Stettler

Street: 70 St.

Location: South of 46 Ave.

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Northbound lane at 70 St. in Stettler, AB in Stettler county. The study began on Sep/06/11 at 16:20 and concluded on Sep/18/11 at 00:32, lasting a total of 272.20 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 13455 vehicles passed through the location with a peak volume of 137 on Sep/16/11 at [16:20-17:20] and a minimum volume of 0 on Sep/08/11 at [02:20-03:20]. The AADT count for this study was 1,186.

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 68 KM/H with 98.42% vehicles exceeding the posted speed of 50 KM/H. The HI-STAR found 0.57 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 77.79 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	>				
6	2	16	47	142	1097	3269	4966	2615	1012	206	49	18	4	6				

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 3471 which represents 26 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 9984 which represents 74 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	>				
55	0	10	0	12	0	18	0	40	0	0	186	498	2652	9984				

CHART 2

HEADWAY

During the peak traffic period, on Sep/16/11 at [16:20-17:20] the average headway between vehicles was 26.087 seconds. During the slowest traffic period, on Sep/08/11 at [02:20-03:20] 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.