

Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Stettler
Street: 46 Street
Location: North of 50 Ave.

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Northbound lane at 46 Street in Stettler, AB in Stettler county. The study began on May/04/11 at 11:19 and concluded on May/16/11 at 00:12, lasting a total of 276.88 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 11175 vehicles passed through the location with a peak volume of 136 on May/13/11 at [15:19-16:19] and a minimum volume of 0 on May/08/11 at [23:19-00:19]. The AADT count for this study was 969.

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 26.68% 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 40KM/H and the 85th percentile was 52.08 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	>					
46	28	888	3005	4226	2556	365	54	5	2	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 4817 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 6358 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	>					
122	0	35	0	35	0	91	0	244	0	0	746	973	2571	6358					

CHART 2

HEADWAY

During the peak traffic period, on May/13/11 at [15:19-16:19] the average headway between vehicles was 26.277 seconds. During the slowest traffic period, on May/08/11 at [23:19-00:19] 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.