

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

**City: Stettler**

**Street: 50A Ave.**

**Location: East of 60 St.**

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Eastbound lane at 50A Ave. in Stettler, AB in Stettler county. The study began on May/22/13 at 13:06 and concluded on Jun/01/13 at 11:11, lasting a total of 238.08 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 5656 vehicles passed through the location with a peak volume of 91 on May/29/13 at [16:06-17:06] and a minimum volume of 0 on May/23/13 at [04:06-05:06]. The AADT count for this study was 570.

**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 48 - 56 KM/H range or lower. The average speed for all classified vehicles was 47 KM/H with 47.95% 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 48KM/H and the 85th percentile was 55.33 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	>					
68	40	129	765	1942	2034	567	93	14	4	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 Trucks. The number of Pedestrians/Bikes in the study was 84 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 Trucks in the study was 3286 which represents 58 percent of the total classified vehicles. The number of Tractor Trailers in the study was 2286 which represents 40 percent of the total classified vehicles.

<	2.2	5.0	12.0																
to	to	to	to																
2.1	4.9	11.9	>																
84	0	3286	2286																

CHART 2

**HEADWAY**

During the peak traffic period, on May/29/13 at [16:06-17:06] the average headway between vehicles was 39.13 seconds. During the slowest traffic period, on May/23/13 at [04:06-05:06] 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.