

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

**City: Stettler**

**Street: 60 St.**

**Location: South of 50A Ave.**

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Northbound lane at 60 St. in Stettler, AB in Stettler county. The study began on Jun/13/13 at 17:04 and concluded on Jun/24/13 at 08:33, lasting a total of 255.48 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 3078 vehicles passed through the location with a peak volume of 433 on Jun/14/13 at [01:04-02:04] and a minimum volume of 0 on Jun/15/13 at [06:04-07:04]. The AADT count for this study was 289.

**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 36 KM/H with 8.93% 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 46.05 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	>				
72	209	813	943	766	229	30	12	2	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 Trucks. The number of Pedestrians/Bikes in the study was 226 which represents 7 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 1765 which represents 57 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1087 which represents 35 percent of the total classified vehicles.

<	2.2	5.0	12.0															
to	to	to	to															
2.1	4.9	11.9	>															
226	0	1765	1087															

CHART 2

**HEADWAY**

During the peak traffic period, on Jun/14/13 at [01:04-02:04] the average headway between vehicles was 8.295 seconds. During the slowest traffic period, on Jun/15/13 at [06:04-07:04] 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.