

**Nu-Metrics Traffic Analyzer Study**  
**Computer Generated Summary Report**  
**City: Stettler**  
**Street: 68 St.**  
**Location: North of 41 Ave.**

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A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Southbound lane at 68 St. in Stettler, AB in Stettler county. The study began on Jun/15/11 at 15:15 and concluded on Jun/26/11 at 19:10, lasting a total of 267.92 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 4002 vehicles passed through the location with a peak volume of 74 on Jun/24/11 at [20:15-21:15] and a minimum volume of 0 on Jun/16/11 at [23:15-00:15]. The AADT count for this study was 358.

**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 52 KM/H with 68.69% vehicles exceeding the posted speed of 50 KM/H. The HI-STAR found 0.05 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 62.91 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	>				
16	17	88	360	772	1346	928	383	64	24	2	1	0	1	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 1385 which represents 35 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 2617 which represents 65 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	>				
77	0	26	0	35	0	49	0	83	0	0	183	238	694	2617				

CHART 2

**HEADWAY**

During the peak traffic period, on Jun/24/11 at [20:15-21:15] the average headway between vehicles was 48 seconds. During the slowest traffic period, on Jun/16/11 at [23:15-00:15] 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.