

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

City: Stettler

Street: 44 Ave.

Location: West of 52 St.

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Westbound lane at 44 Ave. in Stettler, AB in Stettler county. The study began on Nov/09/09 at 10:39 and concluded on Nov/21/09 at 23:29, lasting a total of 300.83 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 15284 vehicles passed through the location with a peak volume of 223 on Nov/20/09 at [14:39-15:39] and a minimum volume of 0 on Nov/15/09 at [23:39-00:39]. The AADT count for this study was 1,219.

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 15 - 20 MPH range or lower. The average speed for all classified vehicles was 15 MPH with 0.00% vehicles exceeding the posted speed of 50 MPH. The HI-STAR found 0.00 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 15MPH and the 85th percentile was 20.99 MPH.

<	10	15	20	25	30	35	40	45	50	55	60	65	70	75				
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
9	14	19	24	29	34	39	44	49	54	59	64	69	74	>				
3151	2127	7189	2645	164	7	1	0	0	0	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 Passenger Vehicles. The number of Passenger Vehicles in the study was 8736 which represents 57 percent of the total classified vehicles. The number of Vans & Pickups in the study was 4628 which represents 30 percent of the total classified vehicles. The number of Busses & Trucks in the study was 1740 which represents 11 percent of the total classified vehicles. The number of Tractor Trailers in the study was 180 which represents 1 percent of the total classified vehicles.

<	10	15	20	25	30	35	40	45	50	55	60	65	70	75				
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
9	14	19	24	29	34	39	44	49	54	59	64	69	74	>				
8300	436	2485	2143	1328	412	107	40	9	14	6	1	1	1	1				

CHART 2

HEADWAY

During the peak traffic period, on Nov/20/09 at [14:39-15:39] the average headway between vehicles was 16.071 seconds. During the slowest traffic period, on Nov/15/09 at [23:39-00:39] 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 F. The HI-STAR determined that the roadway surface was Dry 100.00% of the time.