

**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 Eastbound lane at 44 Ave. in Stettler, AB in Stettler county. The study began on Nov/09/09 at 10:40 and concluded on Nov/21/09 at 22:46, lasting a total of 300.10 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 9741 vehicles passed through the location with a peak volume of 122 on Nov/20/09 at [15:40-16:40] and a minimum volume of 0 on Nov/10/09 at [00:40-01:40]. The AADT count for this study was 779.

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 18 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 22.73 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	>					
363	745	5530	3010	90	3	0	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 Vans & Pickups. The number of Passenger Vehicles in the study was 1264 which represents 13 percent of the total classified vehicles. The number of Vans & Pickups in the study was 7165 which represents 74 percent of the total classified vehicles. The number of Busses & Trucks in the study was 1227 which represents 13 percent of the total classified vehicles. The number of Tractor Trailers in the study was 85 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	>					
914	350	3592	3573	1093	134	44	15	10	9	4	2	0	1	0					

CHART 2

HEADWAY

During the peak traffic period, on Nov/20/09 at [15:40-16:40] the average headway between vehicles was 29.268 seconds. During the slowest traffic period, on Nov/10/09 at [00:40-01:40] 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.