

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

City: Stettler

Street: 49 Ave.

Location: W of 42 St.

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Eastbound lane at 49 Ave. in Stettler, AB in Stettler county. The study began on Nov/25/09 at 11:44 and concluded on Dec/04/09 at 12:44, lasting a total of 217.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 10547 vehicles passed through the location with a peak volume of 155 on Nov/26/09 at [13:44-14:44] and a minimum volume of 0 on Nov/26/09 at [03:44-04:44]. The AADT count for this study was 1,166.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 31 MPH with 0.05% vehicles exceeding the posted speed of 50 MPH. The HI-STAR found 0.01 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 36.85 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	>				
20	7	66	873	3772	3655	1341	597	97	24	4	1	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 276 which represents 3 percent of the total classified vehicles. The number of Vans & Pickups in the study was 7810 which represents 75 percent of the total classified vehicles. The number of Busses & Trucks in the study was 1794 which represents 17 percent of the total classified vehicles. The number of Tractor Trailers in the study was 577 which represents 6 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	>				
160	116	4209	3601	842	952	477	100	0	0	0	0	0	0	0				

CHART 2

HEADWAY

During the peak traffic period, on Nov/26/09 at [13:44-14:44] the average headway between vehicles was 23.077 seconds. During the slowest traffic period, on Nov/26/09 at [03:44-04:44] 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.