

**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 Westbound lane at 49 Ave. in Stettler, AB in Stettler county. The study began on Nov/25/09 at 11:43 and concluded on Dec/04/09 at 12:43, lasting a total of 217.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 10669 vehicles passed through the location with a peak volume of 200 on Nov/26/09 at [17:43-18:43] and a minimum volume of 0 on Nov/26/09 at [03:43-04:43]. The AADT count for this study was 1,180.

**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 30 MPH with 0.04% 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 25MPH and the 85th percentile was 36.74 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	>				
157	10	82	1096	4078	3126	1374	568	114	13	4	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 167 which represents 2 percent of the total classified vehicles. The number of Vans & Pickups in the study was 8041 which represents 76 percent of the total classified vehicles. The number of Busses & Trucks in the study was 2166 which represents 20 percent of the total classified vehicles. The number of Tractor Trailers in the study was 248 which represents 2 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	>				
155	12	3889	4152	1018	1148	220	28	0	0	0	0	0	0	0				

CHART 2

**HEADWAY**

During the peak traffic period, on Nov/26/09 at [17:43-18:43] the average headway between vehicles was 17.91 seconds. During the slowest traffic period, on Nov/26/09 at [03:43-04:43] 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.