

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

**City: Stettler**

**Street: 47 Ave**

**Location: N of the golf club**

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Eastbound lane at 47 Ave in Stettler, AB in Stettler county. The study began on Feb/19/10 at 15:22 and concluded on Mar/02/10 at 23:22, lasting a total of 272.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 3405 vehicles passed through the location with a peak volume of 51 on Feb/19/10 at [16:22-17:22] and a minimum volume of 0 on Feb/20/10 at [01:22-02:22]. The AADT count for this study was 300.

**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 26 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 25MPH and the 85th percentile was 30.46 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	>				
56	66	199	983	1520	521	33	1	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 343 which represents 10 percent of the total classified vehicles. The number of Vans & Pickups in the study was 2669 which represents 79 percent of the total classified vehicles. The number of Busses & Trucks in the study was 317 which represents 9 percent of the total classified vehicles. The number of Tractor Trailers in the study was 50 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	>				
246	97	1411	1258	257	60	23	27	0	0	0	0	0	0	0				

CHART 2

**HEADWAY**

During the peak traffic period, on Feb/19/10 at [16:22-17:22] the average headway between vehicles was 69.231 seconds. During the slowest traffic period, on Feb/20/10 at [01:22-02:22] 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.