

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

**City: Stettler**

**Street: 47 Ave.**

**Location: West of Hwy. 56**

A study of vehicle traffic was conducted with HI-STAR unit number 0001. The study was done in the Westbound lane at 47 Ave. in Stettler, AB in Stettler county. The study began on Mar/09/10 at 16:21 and concluded on Mar/18/10 at 15:54, lasting a total of 215.55 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 4100 vehicles passed through the location with a peak volume of 63 on Mar/15/10 at [13:21-14:21] and a minimum volume of 0 on Mar/10/10 at [01:21-02:21]. The AADT count for this study was 457.

**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 30 - 35 MPH range or lower. The average speed for all classified vehicles was 31 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 30MPH and the 85th percentile was 36.22 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	>				
1	4	7	250	1259	1816	604	140	16	3	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 997 which represents 24 percent of the total classified vehicles. The number of Vans & Pickups in the study was 2180 which represents 53 percent of the total classified vehicles. The number of Busses & Trucks in the study was 815 which represents 20 percent of the total classified vehicles. The number of Tractor Trailers in the study was 108 which represents 3 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	>				
807	190	1156	1024	600	215	60	16	3	5	8	6	6	2	2				

CHART 2

**HEADWAY**

During the peak traffic period, on Mar/15/10 at [13:21-14:21] the average headway between vehicles was 56.25 seconds. During the slowest traffic period, on Mar/10/10 at [01:21-02:21] 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.