

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 Eastbound lane at 47 Ave. in Stettler, AB in Stettler county. The study began on Mar/09/10 at 16:22 and concluded on Mar/18/10 at 15:58, lasting a total of 215.60 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 3925 vehicles passed through the location with a peak volume of 70 on Mar/17/10 at [15:22-16:22] and a minimum volume of 0 on Mar/14/10 at [22:22-23:22]. The AADT count for this study was 437.

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 27 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 32.01 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	>				
10	12	153	1010	1810	847	77	4	0	2	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 832 which represents 21 percent of the total classified vehicles. The number of Vans & Pickups in the study was 2431 which represents 62 percent of the total classified vehicles. The number of Busses & Trucks in the study was 623 which represents 16 percent of the total classified vehicles. The number of Tractor Trailers in the study was 39 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	>				
655	177	1253	1178	513	110	27	5	4	0	1	1	0	0	1				

CHART 2

HEADWAY

During the peak traffic period, on Mar/17/10 at [15:22-16:22] the average headway between vehicles was 50.704 seconds. During the slowest traffic period, on Mar/14/10 at [22:22-23:22] 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.