

**Nu-Metrics Traffic Analyzer Study
 Computer Generated Summary Report
 City: Hilliard
 Street: Leppert Rd - S of Schoolway Dr**

A study of vehicle traffic was conducted with HI-STAR unit number 5847. The study was done in the SB lane at Leppert Rd - S of Schoolway Dr in Hilliard, OH in Franklin county. The study began on 03-31-11 at 12:00 PM and concluded on 04-01-11 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2301 vehicles passed through the location with a peak volume of 105 on 04-01-11 at [07:15-07:30] and a minimum volume of 0 on 04-01-11 at [00:15-00:30]. The AADT count for this study was 2,301.

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 35 - 40 MPH range or lower. The average speed for all classified vehicles was 39 MPH with 44.87% vehicles exceeding the posted speed of 35 MPH. The HI-STAR found 0.40 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 35MPH and the 85th percentile was 45.51 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	>				
0	8	4	51	145	284	750	646	263	79	14	6	3	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 Passenger Vehicles (PV). The number of Passenger Vehicles (PV) in the study was 2137 which represents 95 percent of the total classified vehicles. The number of Single Unit Trucks (SU) Small Trucks in the study was 40 which represents 2 percent of the total classified vehicles. The number of Trucks and Busses in the study was 37 which represents 2 percent of the total classified vehicles. The number of Tractor Trailors in the study was 39 which represents 2 percent of the total classified vehicles.

<	19	24	36	80														
to	to	to	to	to														
18	23	35	79	>														
2137	40	37	39	0														

CHART 2

HEADWAY

During the peak traffic period, on 04-01-11 at [07:15-07:30] the average headway between vehicles was 8.491 seconds. During the slowest traffic period, on 04-01-11 at [00:15-00:30] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 35.00 and 68.00 degrees F. The HI-STAR determined that the roadway surface was Dry 100.00% of the time.

Date/Time/Volume/Average Speed/Temperature Report

HI-Star ID: 5847 Street: Leppert Rd - S of Schoolway Dr State: OH City: Hilliard County: Franklin	Begin: 03-31-11 12:00 PM Lane: SB Oper: MEW Posted: 35 AADT Factor: 1	End: 04-01-11 12:00 PM Hours: 24.00 Period: 15 Raw Count: 2301 AADT Count: 2,301		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,03-31-11				
[12:00-12:15]	20	43 MPH	52 F	Dry
[12:15-12:30]	19	41 MPH	52 F	Dry
[12:30-12:45]	26	39 MPH	54 F	Dry
[12:45-13:00]	25	39 MPH	54 F	Dry
[13:00-13:15]	12	41 MPH	58 F	Dry
[13:15-13:30]	19	42 MPH	62 F	Dry
[13:30-13:45]	24	42 MPH	62 F	Dry
[13:45-14:00]	33	40 MPH	62 F	Dry
[14:00-14:15]	32	35 MPH	58 F	Dry
[14:15-14:30]	34	33 MPH	56 F	Dry
[14:30-14:45]	29	31 MPH	56 F	Dry
[14:45-15:00]	31	35 MPH	54 F	Dry
[15:00-15:15]	27	44 MPH	54 F	Dry
[15:15-15:30]	30	40 MPH	54 F	Dry
[15:30-15:45]	39	40 MPH	54 F	Dry
[15:45-16:00]	48	40 MPH	54 F	Dry
[16:00-16:15]	47	41 MPH	54 F	Dry
[16:15-16:30]	63	41 MPH	52 F	Dry
[16:30-16:45]	67	41 MPH	52 F	Dry
[16:45-17:00]	70	40 MPH	52 F	Dry
[17:00-17:15]	61	40 MPH	52 F	Dry
[17:15-17:30]	70	40 MPH	52 F	Dry
[17:30-17:45]	67	40 MPH	52 F	Dry
[17:45-18:00]	87	39 MPH	50 F	Dry
[18:00-18:15]	63	41 MPH	50 F	Dry
[18:15-18:30]	46	41 MPH	50 F	Dry
[18:30-18:45]	37	38 MPH	50 F	Dry
[18:45-19:00]	47	39 MPH	48 F	Dry
[19:00-19:15]	35	41 MPH	48 F	Dry
[19:15-19:30]	21	44 MPH	48 F	Dry
[19:30-19:45]	31	43 MPH	46 F	Dry
[19:45-20:00]	30	40 MPH	46 F	Dry
[20:00-20:15]	31	40 MPH	44 F	Dry
[20:15-20:30]	34	37 MPH	44 F	Dry
[20:30-20:45]	19	39 MPH	42 F	Dry
[20:45-21:00]	24	41 MPH	42 F	Dry

Date/Time/Volume/Average Speed/Temperature Report

HI-Star ID: 5847 Street: Leppert Rd - S of Schoolway Dr State: OH City: Hilliard County: Franklin	Begin: 03-31-11 12:00 PM Lane: SB Oper: MEW Posted: 35 AADT Factor: 1	End: 04-01-11 12:00 PM Hours: 24.00 Period: 15 Raw Count: 2301 AADT Count: 2,301		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,03-31-11				
[21:00-21:15]	13	42 MPH	42 F	Dry
[21:15-21:30]	21	38 MPH	42 F	Dry
[21:30-21:45]	16	38 MPH	42 F	Dry
[21:45-22:00]	7	42 MPH	42 F	Dry
[22:00-22:15]	5	40 MPH	42 F	Dry
[22:15-22:30]	11	42 MPH	42 F	Dry
[22:30-22:45]	6	38 MPH	42 F	Dry
[22:45-23:00]	4	40 MPH	42 F	Dry
[23:00-23:15]	2	45 MPH	41 F	Dry
[23:15-23:30]	4	42 MPH	41 F	Dry
[23:30-23:45]	3	44 MPH	39 F	Dry
[23:45-00:00]	6	42 MPH	39 F	Dry
Thu,03-31-11	1496	40 MPH	49 F	
Fri,04-01-11				
[00:00-00:15]	3	37 MPH	39 F	Dry
[00:15-00:30]	0	0 MPH	39 F	Dry
[00:30-00:45]	3	41 MPH	39 F	Dry
[00:45-01:00]	0	0 MPH	39 F	Dry
[01:00-01:15]	1	38 MPH	39 F	Dry
[01:15-01:30]	2	40 MPH	37 F	Dry
[01:30-01:45]	0	0 MPH	37 F	Dry
[01:45-02:00]	0	0 MPH	37 F	Dry
[02:00-02:15]	1	42 MPH	37 F	Dry
[02:15-02:30]	1	32 MPH	37 F	Dry
[02:30-02:45]	1	38 MPH	35 F	Dry
[02:45-03:00]	2	40 MPH	35 F	Dry
[03:00-03:15]	0	0 MPH	35 F	Dry
[03:15-03:30]	1	28 MPH	35 F	Dry
[03:30-03:45]	1	38 MPH	35 F	Dry
[03:45-04:00]	0	0 MPH	35 F	Dry
[04:00-04:15]	0	0 MPH	35 F	Dry
[04:15-04:30]	0	0 MPH	35 F	Dry
[04:30-04:45]	2	38 MPH	35 F	Dry
[04:45-05:00]	2	40 MPH	37 F	Dry
[05:00-05:15]	3	41 MPH	37 F	Dry
[05:15-05:30]	0	0 MPH	37 F	Dry

Date/Time/Volume/Average Speed/Temperature Report

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry										
<div style="display: flex; justify-content: space-between; font-size: small;"> <div> HI-Star ID: 5847 Street: Leppert Rd - S of Schoolway Dr State: OH City: Hilliard County: Franklin </div> <div> Begin: 03-31-11 12:00 PM Lane: SB Oper: MEW Posted: 35 AADT Factor: 1 </div> <div> End: 04-01-11 12:00 PM Hours: 24.00 Period: 15 Raw Count: 2301 AADT Count: 2,301 </div> </div>														
Fri,04-01-11														
[05:30-05:45]	5	44 MPH	37 F	Dry										
[05:45-06:00]	4	40 MPH	37 F	Dry										
[06:00-06:15]	7	41 MPH	37 F	Dry										
[06:15-06:30]	13	39 MPH	37 F	Dry										
[06:30-06:45]	33	38 MPH	37 F	Dry										
[06:45-07:00]	33	40 MPH	37 F	Dry										
[07:00-07:15]	68	33 MPH	35 F	Dry										
[07:15-07:30]	105	32 MPH	35 F	Dry										
[07:30-07:45]	79	33 MPH	35 F	Dry										
[07:45-08:00]	39	40 MPH	37 F	Dry										
[08:00-08:15]	45	39 MPH	37 F	Dry										
[08:15-08:30]	33	43 MPH	37 F	Dry										
[08:30-08:45]	41	41 MPH	39 F	Dry										
[08:45-09:00]	48	39 MPH	41 F	Dry										
[09:00-09:15]	30	40 MPH	42 F	Dry										
[09:15-09:30]	23	41 MPH	44 F	Dry										
[09:30-09:45]	19	41 MPH	46 F	Dry										
[09:45-10:00]	13	45 MPH	48 F	Dry										
[10:00-10:15]	8	43 MPH	50 F	Dry										
[10:15-10:30]	16	44 MPH	52 F	Dry										
[10:30-10:45]	17	41 MPH	54 F	Dry										
[10:45-11:00]	17	42 MPH	56 F	Dry										
[11:00-11:15]	25	41 MPH	60 F	Dry										
[11:15-11:30]	27	42 MPH	62 F	Dry										
[11:30-11:45]	21	42 MPH	66 F	Dry										
[11:45-12:00]	13	41 MPH	68 F	Dry										
Fri,04-01-11	805	40 MPH	41 F											
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">03-31-11 12:00 PM</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 35%;"></td> </tr> <tr> <td>04-01-11 12:00 PM</td> <td>2301</td> <td>40 MPH</td> <td>45 F</td> <td></td> </tr> </table>					03-31-11 12:00 PM					04-01-11 12:00 PM	2301	40 MPH	45 F	
03-31-11 12:00 PM														
04-01-11 12:00 PM	2301	40 MPH	45 F											