

**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 1885. The study was done in the NB 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 2220 vehicles passed through the location with a peak volume of 98 on 04-01-11 at [07:15-07:30] and a minimum volume of 0 on 04-01-11 at [01:00-01:15]. The AADT count for this study was 2,220.

**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 37 MPH with 24.84% vehicles exceeding the posted speed of 35 MPH. The HI-STAR found 0.53 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 42.95 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	7	11	49	190	546	767	348	116	37	7	5	4	1	1					

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 2022 which represents 97 percent of the total classified vehicles. The number of Single Unit Trucks (SU) Small Trucks in the study was 21 which represents 1 percent of the total classified vehicles. The number of Trucks and Busses in the study was 34 which represents 2 percent of the total classified vehicles. The number of Tractor Trailors in the study was 12 which represents 1 percent of the total classified vehicles.

<	19	24	36	80															
to	to	to	to	to															
18	23	35	79	>															
2022	21	34	12	0															

CHART 2

**HEADWAY**

During the peak traffic period, on 04-01-11 at [07:15-07:30] the average headway between vehicles was 9.091 seconds. During the slowest traffic period, on 04-01-11 at [01:00-01:15] the average headway between vehicles was 900 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 37.00 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: 1885 Street: Leppert Rd - S of Schoolway Dr State: OH City: Hilliard County: Franklin	Begin: 03-31-11 12:00 PM Lane: NB Oper: MEW Posted: 35 AADT Factor: 1	End: 04-01-11 12:00 PM Hours: 24.00 Period: 15 Raw Count: 2220 AADT Count: 2,220		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,03-31-11				
[12:00-12:15]	21	40 MPH	52 F	Dry
[12:15-12:30]	23	40 MPH	52 F	Dry
[12:30-12:45]	24	39 MPH	54 F	Dry
[12:45-13:00]	18	39 MPH	56 F	Dry
[13:00-13:15]	38	38 MPH	58 F	Dry
[13:15-13:30]	12	40 MPH	62 F	Dry
[13:30-13:45]	22	41 MPH	62 F	Dry
[13:45-14:00]	37	36 MPH	62 F	Dry
[14:00-14:15]	30	35 MPH	60 F	Dry
[14:15-14:30]	45	31 MPH	58 F	Dry
[14:30-14:45]	41	32 MPH	56 F	Dry
[14:45-15:00]	76	32 MPH	56 F	Dry
[15:00-15:15]	42	36 MPH	54 F	Dry
[15:15-15:30]	43	37 MPH	54 F	Dry
[15:30-15:45]	53	37 MPH	54 F	Dry
[15:45-16:00]	38	36 MPH	54 F	Dry
[16:00-16:15]	50	37 MPH	54 F	Dry
[16:15-16:30]	45	38 MPH	54 F	Dry
[16:30-16:45]	51	37 MPH	54 F	Dry
[16:45-17:00]	54	37 MPH	54 F	Dry
[17:00-17:15]	53	36 MPH	52 F	Dry
[17:15-17:30]	49	38 MPH	52 F	Dry
[17:30-17:45]	41	39 MPH	52 F	Dry
[17:45-18:00]	27	37 MPH	52 F	Dry
[18:00-18:15]	39	37 MPH	52 F	Dry
[18:15-18:30]	30	39 MPH	50 F	Dry
[18:30-18:45]	52	38 MPH	50 F	Dry
[18:45-19:00]	35	36 MPH	50 F	Dry
[19:00-19:15]	27	38 MPH	50 F	Dry
[19:15-19:30]	33	37 MPH	48 F	Dry
[19:30-19:45]	39	36 MPH	48 F	Dry
[19:45-20:00]	32	37 MPH	46 F	Dry
[20:00-20:15]	20	35 MPH	44 F	Dry
[20:15-20:30]	36	34 MPH	44 F	Dry
[20:30-20:45]	22	38 MPH	44 F	Dry
[20:45-21:00]	29	39 MPH	44 F	Dry

### Date/Time/Volume/Average Speed/Temperature Report

HI-Star ID: 1885 Street: Leppert Rd - S of Schoolway Dr State: OH City: Hilliard County: Franklin	Begin: 03-31-11 12:00 PM Lane: NB Oper: MEW Posted: 35 AADT Factor: 1	End: 04-01-11 12:00 PM Hours: 24.00 Period: 15 Raw Count: 2220 AADT Count: 2,220		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,03-31-11				
[21:00-21:15]	22	36 MPH	42 F	Dry
[21:15-21:30]	19	36 MPH	42 F	Dry
[21:30-21:45]	11	35 MPH	42 F	Dry
[21:45-22:00]	12	38 MPH	42 F	Dry
[22:00-22:15]	11	38 MPH	42 F	Dry
[22:15-22:30]	5	35 MPH	42 F	Dry
[22:30-22:45]	7	37 MPH	42 F	Dry
[22:45-23:00]	5	36 MPH	42 F	Dry
[23:00-23:15]	2	38 MPH	42 F	Dry
[23:15-23:30]	3	43 MPH	41 F	Dry
[23:30-23:45]	4	35 MPH	41 F	Dry
[23:45-00:00]	3	34 MPH	41 F	Dry
Thu,03-31-11	1431	37 MPH	50 F	
Fri,04-01-11				
[00:00-00:15]	2	33 MPH	39 F	Dry
[00:15-00:30]	2	35 MPH	39 F	Dry
[00:30-00:45]	2	33 MPH	39 F	Dry
[00:45-01:00]	1	38 MPH	39 F	Dry
[01:00-01:15]	0	0 MPH	39 F	Dry
[01:15-01:30]	3	41 MPH	39 F	Dry
[01:30-01:45]	3	34 MPH	39 F	Dry
[01:45-02:00]	1	38 MPH	37 F	Dry
[02:00-02:15]	1	38 MPH	37 F	Dry
[02:15-02:30]	2	40 MPH	37 F	Dry
[02:30-02:45]	1	32 MPH	37 F	Dry
[02:45-03:00]	0	0 MPH	37 F	Dry
[03:00-03:15]	1	52 MPH	37 F	Dry
[03:15-03:30]	1	22 MPH	37 F	Dry
[03:30-03:45]	0	0 MPH	37 F	Dry
[03:45-04:00]	1	32 MPH	37 F	Dry
[04:00-04:15]	1	38 MPH	37 F	Dry
[04:15-04:30]	1	38 MPH	37 F	Dry
[04:30-04:45]	4	40 MPH	37 F	Dry
[04:45-05:00]	2	40 MPH	37 F	Dry
[05:00-05:15]	4	40 MPH	37 F	Dry
[05:15-05:30]	5	42 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: 1885                      Street: Leppert Rd - S of Schoolway Dr                      State: OH                      City: Hilliard                      County: Franklin                 </div> <div>                     Begin: 03-31-11 12:00 PM                      Lane: NB                      Oper: MEW                      Posted: 35                      AADT Factor: 1                 </div> <div>                     End: 04-01-11 12:00 PM                      Hours: 24.00                      Period: 15                      Raw Count: 2220                      AADT Count: 2,220                 </div> </div>														
Fri,04-01-11														
[05:30-05:45]	6	37 MPH	37 F	Dry										
[05:45-06:00]	3	34 MPH	37 F	Dry										
[06:00-06:15]	10	36 MPH	37 F	Dry										
[06:15-06:30]	10	40 MPH	37 F	Dry										
[06:30-06:45]	17	40 MPH	37 F	Dry										
[06:45-07:00]	23	38 MPH	37 F	Dry										
[07:00-07:15]	39	33 MPH	37 F	Dry										
[07:15-07:30]	98	33 MPH	37 F	Dry										
[07:30-07:45]	51	33 MPH	37 F	Dry										
[07:45-08:00]	44	36 MPH	37 F	Dry										
[08:00-08:15]	47	37 MPH	37 F	Dry										
[08:15-08:30]	39	40 MPH	39 F	Dry										
[08:30-08:45]	58	37 MPH	39 F	Dry										
[08:45-09:00]	60	38 MPH	42 F	Dry										
[09:00-09:15]	42	39 MPH	42 F	Dry										
[09:15-09:30]	15	39 MPH	44 F	Dry										
[09:30-09:45]	15	37 MPH	48 F	Dry										
[09:45-10:00]	21	37 MPH	50 F	Dry										
[10:00-10:15]	17	40 MPH	50 F	Dry										
[10:15-10:30]	26	38 MPH	52 F	Dry										
[10:30-10:45]	12	40 MPH	56 F	Dry										
[10:45-11:00]	8	35 MPH	58 F	Dry										
[11:00-11:15]	14	39 MPH	62 F	Dry										
[11:15-11:30]	29	37 MPH	64 F	Dry										
[11:30-11:45]	26	36 MPH	66 F	Dry										
[11:45-12:00]	21	38 MPH	68 F	Dry										
Fri,04-01-11	789	37 MPH	42 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 style="text-align: center;">2220</td> <td style="text-align: center;">37 MPH</td> <td style="text-align: center;">46 F</td> <td></td> </tr> </table>					03-31-11 12:00 PM					04-01-11 12:00 PM	2220	37 MPH	46 F	
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