

**Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: Norwich Township  
Street: Leppert Rd - S of Davidson Rd**

A study of vehicle traffic was conducted with HI-STAR unit number 4758. The study was done in the NB lane at Leppert Rd - S of Davidson Rd in Norwich Township, 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 2190 vehicles passed through the location with a peak volume of 102 on 04-01-11 at [07:15-07:30] and a minimum volume of 0 on 03-31-11 at [23:45-00:00]. The AADT count for this study was 2,190.

**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 40 - 45 MPH range or lower. The average speed for all classified vehicles was 42 MPH with 11.07% vehicles exceeding the posted speed of 45 MPH. The HI-STAR found 1.38 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 40MPH and the 85th percentile was 49.07 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	9	9	9	46	157	470	723	448	164	40	13	8	4	4				

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 2005 which represents 95 percent of the total classified vehicles. The number of Single Unit Trucks (SU) Small Trucks in the study was 29 which represents 1 percent of the total classified vehicles. The number of Trucks and Busses in the study was 29 which represents 1 percent of the total classified vehicles. The number of Tractor Trailors in the study was 41 which represents 2 percent of the total classified vehicles.

<	19	24	36	80														
to	to	to	to	to														
18	23	35	79	>														
2005	29	29	41	0														

CHART 2

**HEADWAY**

During the peak traffic period, on 04-01-11 at [07:15-07:30] the average headway between vehicles was 8.738 seconds. During the slowest traffic period, on 03-31-11 at [23:45-00:00] 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: 4758 Street: Leppert Rd - S of Davidson Rd State: OH City: Norwich Township County: Franklin	Begin: 03-31-11 12:00 PM Lane: NB Oper: MEW Posted: 45 AADT Factor: 1	End: 04-01-11 12:00 PM Hours: 24.00 Period: 15 Raw Count: 2190 AADT Count: 2,190		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,03-31-11				
[12:00-12:15]	22	44 MPH	50 F	Dry
[12:15-12:30]	22	45 MPH	52 F	Dry
[12:30-12:45]	24	47 MPH	54 F	Dry
[12:45-13:00]	21	43 MPH	54 F	Dry
[13:00-13:15]	28	44 MPH	56 F	Dry
[13:15-13:30]	18	41 MPH	60 F	Dry
[13:30-13:45]	23	45 MPH	60 F	Dry
[13:45-14:00]	25	43 MPH	60 F	Dry
[14:00-14:15]	24	43 MPH	58 F	Dry
[14:15-14:30]	37	42 MPH	56 F	Dry
[14:30-14:45]	38	42 MPH	54 F	Dry
[14:45-15:00]	65	42 MPH	54 F	Dry
[15:00-15:15]	38	43 MPH	52 F	Dry
[15:15-15:30]	39	42 MPH	52 F	Dry
[15:30-15:45]	54	42 MPH	52 F	Dry
[15:45-16:00]	38	41 MPH	52 F	Dry
[16:00-16:15]	42	41 MPH	52 F	Dry
[16:15-16:30]	38	42 MPH	52 F	Dry
[16:30-16:45]	42	45 MPH	52 F	Dry
[16:45-17:00]	44	44 MPH	52 F	Dry
[17:00-17:15]	45	44 MPH	52 F	Dry
[17:15-17:30]	48	40 MPH	52 F	Dry
[17:30-17:45]	35	42 MPH	50 F	Dry
[17:45-18:00]	32	42 MPH	50 F	Dry
[18:00-18:15]	37	43 MPH	50 F	Dry
[18:15-18:30]	37	44 MPH	50 F	Dry
[18:30-18:45]	48	43 MPH	48 F	Dry
[18:45-19:00]	35	43 MPH	48 F	Dry
[19:00-19:15]	23	42 MPH	48 F	Dry
[19:15-19:30]	27	44 MPH	48 F	Dry
[19:30-19:45]	43	40 MPH	46 F	Dry
[19:45-20:00]	32	41 MPH	44 F	Dry
[20:00-20:15]	15	46 MPH	44 F	Dry
[20:15-20:30]	37	42 MPH	42 F	Dry
[20:30-20:45]	13	42 MPH	42 F	Dry
[20:45-21:00]	24	43 MPH	42 F	Dry

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

HI-Star ID: 4758 Street: Leppert Rd - S of Davidson Rd State: OH City: Norwich Township County: Franklin	Begin: 03-31-11 12:00 PM Lane: NB Oper: MEW Posted: 45 AADT Factor: 1	End: 04-01-11 12:00 PM Hours: 24.00 Period: 15 Raw Count: 2190 AADT Count: 2,190		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,03-31-11				
[21:00-21:15]	21	44 MPH	42 F	Dry
[21:15-21:30]	19	39 MPH	42 F	Dry
[21:30-21:45]	10	39 MPH	42 F	Dry
[21:45-22:00]	8	42 MPH	42 F	Dry
[22:00-22:15]	13	44 MPH	42 F	Dry
[22:15-22:30]	3	41 MPH	41 F	Dry
[22:30-22:45]	5	45 MPH	41 F	Dry
[22:45-23:00]	1	42 MPH	39 F	Dry
[23:00-23:15]	2	48 MPH	39 F	Dry
[23:15-23:30]	4	36 MPH	39 F	Dry
[23:30-23:45]	3	44 MPH	39 F	Dry
[23:45-00:00]	0	0 MPH	39 F	Dry
Thu,03-31-11	1302	42 MPH	48 F	
Fri,04-01-11				
[00:00-00:15]	3	41 MPH	39 F	Dry
[00:15-00:30]	0	0 MPH	39 F	Dry
[00:30-00:45]	1	48 MPH	39 F	Dry
[00:45-01:00]	1	42 MPH	37 F	Dry
[01:00-01:15]	0	0 MPH	37 F	Dry
[01:15-01:30]	3	44 MPH	37 F	Dry
[01:30-01:45]	2	30 MPH	37 F	Dry
[01:45-02:00]	2	43 MPH	37 F	Dry
[02:00-02:15]	1	48 MPH	35 F	Dry
[02:15-02:30]	2	40 MPH	35 F	Dry
[02:30-02:45]	0	0 MPH	35 F	Dry
[02:45-03:00]	0	0 MPH	35 F	Dry
[03:00-03:15]	1	62 MPH	35 F	Dry
[03:15-03:30]	2	35 MPH	35 F	Dry
[03:30-03:45]	0	0 MPH	35 F	Dry
[03:45-04:00]	1	38 MPH	35 F	Dry
[04:00-04:15]	1	48 MPH	35 F	Dry
[04:15-04:30]	1	38 MPH	35 F	Dry
[04:30-04:45]	5	41 MPH	35 F	Dry
[04:45-05:00]	2	50 MPH	35 F	Dry
[05:00-05:15]	4	44 MPH	35 F	Dry
[05:15-05:30]	5	52 MPH	35 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: 4758                      Street: Leppert Rd - S of Davidson Rd                      State: OH                      City: Norwich Township                      County: Franklin                 </div> <div>                     Begin: 03-31-11 12:00 PM                      Lane: NB                      Oper: MEW                      Posted: 45                      AADT Factor: 1                 </div> <div>                     End: 04-01-11 12:00 PM                      Hours: 24.00                      Period: 15                      Raw Count: 2190                      AADT Count: 2,190                 </div> </div>														
Fri,04-01-11														
[05:30-05:45]	7	43 MPH	35 F	Dry										
[05:45-06:00]	3	41 MPH	35 F	Dry										
[06:00-06:15]	12	43 MPH	35 F	Dry										
[06:15-06:30]	13	44 MPH	35 F	Dry										
[06:30-06:45]	20	43 MPH	35 F	Dry										
[06:45-07:00]	36	42 MPH	35 F	Dry										
[07:00-07:15]	44	42 MPH	35 F	Dry										
[07:15-07:30]	102	41 MPH	35 F	Dry										
[07:30-07:45]	70	42 MPH	35 F	Dry										
[07:45-08:00]	59	45 MPH	35 F	Dry										
[08:00-08:15]	54	41 MPH	35 F	Dry										
[08:15-08:30]	41	42 MPH	37 F	Dry										
[08:30-08:45]	55	41 MPH	37 F	Dry										
[08:45-09:00]	70	41 MPH	39 F	Dry										
[09:00-09:15]	53	45 MPH	41 F	Dry										
[09:15-09:30]	19	42 MPH	42 F	Dry										
[09:30-09:45]	15	40 MPH	44 F	Dry										
[09:45-10:00]	20	43 MPH	48 F	Dry										
[10:00-10:15]	21	41 MPH	50 F	Dry										
[10:15-10:30]	25	46 MPH	52 F	Dry										
[10:30-10:45]	18	43 MPH	54 F	Dry										
[10:45-11:00]	12	40 MPH	56 F	Dry										
[11:00-11:15]	9	46 MPH	60 F	Dry										
[11:15-11:30]	27	43 MPH	62 F	Dry										
[11:30-11:45]	28	41 MPH	66 F	Dry										
[11:45-12:00]	18	42 MPH	68 F	Dry										
Fri,04-01-11	888	42 MPH	40 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>2190</td> <td>42 MPH</td> <td>44 F</td> <td></td> </tr> </table>					03-31-11 12:00 PM					04-01-11 12:00 PM	2190	42 MPH	44 F	
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