

**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 9914. The study was done in the SB 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 2233 vehicles passed through the location with a peak volume of 97 on 03-31-11 at [17:45-18:00] and a minimum volume of 0 on 04-01-11 at [00:15-00:30]. The AADT count for this study was 2,233.

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 45 - 50 MPH range or lower. The average speed for all classified vehicles was 46 MPH with 25.17% vehicles exceeding the posted speed of 45 MPH. The HI-STAR found 2.75 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 45MPH and the 85th percentile was 53.19 MPH.

<	10	15	20	25	30	35	40	45	50	55	60	65	70	75				
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	7	12	21	78	307	549	595	335	137	44	9	5	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 1958 which represents 93 percent of the total classified vehicles. The number of Single Unit Trucks (SU) Small Trucks in the study was 66 which represents 3 percent of the total classified vehicles. The number of Trucks and Busses in the study was 47 which represents 2 percent of the total classified vehicles. The number of Tractor Trailors in the study was 35 which represents 2 percent of the total classified vehicles.

<	19	24	36	80														
to	to	to	to	to														
18	23	35	79	>														
1958	66	47	35	0														

CHART 2

HEADWAY

During the peak traffic period, on 03-31-11 at [17:45-18:00] the average headway between vehicles was 9.184 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 66.00 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:9914 Street: Leppert Rd - S of Davidson Rd State: OH City: Norwich Township County: Franklin	Begin: 03-31-11 12:00 PM Lane: SB Oper: MEW Posted: 45 AADT Factor: 1	End: 04-01-11 12:00 PM Hours: 24.00 Period: 15 Raw Count: 2233 AADT Count: 2,233		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,03-31-11				
[12:00-12:15]	16	45 MPH	50 F	Dry
[12:15-12:30]	25	46 MPH	52 F	Dry
[12:30-12:45]	22	47 MPH	52 F	Dry
[12:45-13:00]	20	46 MPH	54 F	Dry
[13:00-13:15]	12	48 MPH	56 F	Dry
[13:15-13:30]	25	47 MPH	60 F	Dry
[13:30-13:45]	20	48 MPH	60 F	Dry
[13:45-14:00]	29	44 MPH	60 F	Dry
[14:00-14:15]	27	42 MPH	58 F	Dry
[14:15-14:30]	33	42 MPH	56 F	Dry
[14:30-14:45]	20	46 MPH	54 F	Dry
[14:45-15:00]	35	47 MPH	54 F	Dry
[15:00-15:15]	31	46 MPH	52 F	Dry
[15:15-15:30]	36	47 MPH	52 F	Dry
[15:30-15:45]	46	47 MPH	52 F	Dry
[15:45-16:00]	54	45 MPH	52 F	Dry
[16:00-16:15]	55	45 MPH	52 F	Dry
[16:15-16:30]	67	47 MPH	52 F	Dry
[16:30-16:45]	69	48 MPH	52 F	Dry
[16:45-17:00]	70	44 MPH	52 F	Dry
[17:00-17:15]	78	46 MPH	52 F	Dry
[17:15-17:30]	83	45 MPH	50 F	Dry
[17:30-17:45]	86	46 MPH	50 F	Dry
[17:45-18:00]	97	45 MPH	48 F	Dry
[18:00-18:15]	66	44 MPH	48 F	Dry
[18:15-18:30]	45	46 MPH	48 F	Dry
[18:30-18:45]	39	46 MPH	48 F	Dry
[18:45-19:00]	49	45 MPH	48 F	Dry
[19:00-19:15]	38	49 MPH	48 F	Dry
[19:15-19:30]	25	49 MPH	46 F	Dry
[19:30-19:45]	40	47 MPH	44 F	Dry
[19:45-20:00]	27	48 MPH	44 F	Dry
[20:00-20:15]	34	47 MPH	42 F	Dry
[20:15-20:30]	30	44 MPH	42 F	Dry
[20:30-20:45]	24	43 MPH	42 F	Dry
[20:45-21:00]	22	48 MPH	42 F	Dry

Date/Time/Volume/Average Speed/Temperature Report

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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu,03-31-11				
[21:00-21:15]	17	45 MPH	42 F	Dry
[21:15-21:30]	24	42 MPH	42 F	Dry
[21:30-21:45]	17	45 MPH	42 F	Dry
[21:45-22:00]	6	48 MPH	41 F	Dry
[22:00-22:15]	8	41 MPH	41 F	Dry
[22:15-22:30]	8	44 MPH	39 F	Dry
[22:30-22:45]	8	48 MPH	39 F	Dry
[22:45-23:00]	6	48 MPH	39 F	Dry
[23:00-23:15]	2	33 MPH	39 F	Dry
[23:15-23:30]	4	51 MPH	39 F	Dry
[23:30-23:45]	2	50 MPH	39 F	Dry
[23:45-00:00]	4	47 MPH	39 F	Dry
Thu,03-31-11	1601	46 MPH	48 F	
Fri,04-01-11				
[00:00-00:15]	5	44 MPH	39 F	Dry
[00:15-00:30]	0	0 MPH	37 F	Dry
[00:30-00:45]	3	33 MPH	37 F	Dry
[00:45-01:00]	0	0 MPH	37 F	Dry
[01:00-01:15]	1	0 MPH	37 F	Dry
[01:15-01:30]	3	46 MPH	37 F	Dry
[01:30-01:45]	1	42 MPH	35 F	Dry
[01:45-02:00]	0	0 MPH	35 F	Dry
[02:00-02:15]	1	48 MPH	35 F	Dry
[02:15-02:30]	1	32 MPH	35 F	Dry
[02:30-02:45]	1	62 MPH	35 F	Dry
[02:45-03:00]	1	42 MPH	35 F	Dry
[03:00-03:15]	1	42 MPH	35 F	Dry
[03:15-03:30]	1	32 MPH	35 F	Dry
[03:30-03:45]	0	0 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]	1	38 MPH	35 F	Dry
[04:45-05:00]	1	38 MPH	35 F	Dry
[05:00-05:15]	1	48 MPH	35 F	Dry
[05:15-05:30]	1	42 MPH	35 F	Dry

Date/Time/Volume/Average Speed/Temperature Report

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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry													
Fri,04-01-11																	
[05:30-05:45]	3	36 MPH	35 F	Dry													
[05:45-06:00]	2	50 MPH	35 F	Dry													
[06:00-06:15]	4	41 MPH	35 F	Dry													
[06:15-06:30]	12	43 MPH	35 F	Dry													
[06:30-06:45]	16	43 MPH	35 F	Dry													
[06:45-07:00]	32	45 MPH	35 F	Dry													
[07:00-07:15]	44	45 MPH	35 F	Dry													
[07:15-07:30]	67	47 MPH	35 F	Dry													
[07:30-07:45]	40	45 MPH	35 F	Dry													
[07:45-08:00]	23	45 MPH	35 F	Dry													
[08:00-08:15]	34	46 MPH	35 F	Dry													
[08:15-08:30]	36	41 MPH	35 F	Dry													
[08:30-08:45]	32	46 MPH	37 F	Dry													
[08:45-09:00]	40	46 MPH	39 F	Dry													
[09:00-09:15]	23	44 MPH	41 F	Dry													
[09:15-09:30]	24	43 MPH	42 F	Dry													
[09:30-09:45]	18	46 MPH	44 F	Dry													
[09:45-10:00]	14	44 MPH	46 F	Dry													
[10:00-10:15]	8	44 MPH	48 F	Dry													
[10:15-10:30]	21	43 MPH	50 F	Dry													
[10:30-10:45]	19	48 MPH	52 F	Dry													
[10:45-11:00]	15	41 MPH	56 F	Dry													
[11:00-11:15]	24	46 MPH	58 F	Dry													
[11:15-11:30]	28	47 MPH	62 F	Dry													
[11:30-11:45]	16	44 MPH	64 F	Dry													
[11:45-12:00]	14	46 MPH	66 F	Dry													
Fri,04-01-11																	
		632	43 MPH	40 F													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">03-31-11 12:00 PM</td> <td style="width: 20%;"></td> </tr> <tr> <td>04-01-11 12:00 PM</td> <td style="text-align: center;">2233</td> <td style="text-align: center;">45 MPH</td> <td style="text-align: center;">44 F</td> <td colspan="2"></td> </tr> </table>						03-31-11 12:00 PM						04-01-11 12:00 PM	2233	45 MPH	44 F		
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