

**Nu-Metrics Traffic Analyzer Study**  
**Computer Generated Summary Report**  
**City: LEAGUE CITY**  
**Street: WAKEFIELD**

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A study of vehicle traffic was conducted with HI-STAR unit number 4826. The study was done in the SOUTH lane at WAKEFIELD in LEAGUE CITY, TX in GALVESTON county. The study began on Oct/14/2013 at 03:00:00 PM and concluded on Oct/15/2013 at 03:00:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 19 vehicles passed through the location with a peak volume of 5 on Oct/14/2013 at [16:00-17:00] and a minimum volume of 0 on Oct/14/2013 at [17:00-18:00]. The AADT count for this study was 19.

#### **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 20 - 25 MPH range or lower. The average speed for all classified vehicles was 26 MPH with 22.22% vehicles exceeding the posted speed of 25 MPH. The HI-STAR found 11.11 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 20MPH and the 85th percentile was 35.00 MPH.

< to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >					
1	4	3	5	1	1	1	0	0	0	0	0	0	0	2					

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 0 which represents 0 percent of the total classified vehicles. The number of Vans & Pickups in the study was 15 which represents 83 percent of the total classified vehicles. The number of Busses & Trucks in the study was 0 which represents 0 percent of the total classified vehicles. The number of Tractor Trailers in the study was 3 which represents 0 percent of the total classified vehicles.

< to 21	22 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 139	140 to >												
15	3	0	0	0	0	0	0												

CHART 2

#### **HEADWAY**

During the peak traffic period, on Oct/14/2013 at [16:00-17:00] the average headway between vehicles was 600 seconds. During the slowest traffic period, on Oct/14/2013 at [17:00-18:00] the average headway between vehicles was 3600 seconds.

#### **WEATHER**

The roadway surface temperature over the period of the study varied between 74.00 and 113.00 degrees F.

# Class/Volume Report

HI-Star ID: 4826  
 Street: WAKEFIELD  
 State: TX  
 City: LEAGUE CITY  
 County: GALVESTON

Begin: Oct/14/2013 03:00:00 PM  
 Lane: SOUTH  
 Oper: L.J  
 Posted: 25  
 AADT Factor: 1

End: Oct/15/2013 03:00:00 PM  
 Hours: 24.00  
 Period: 60  
 Raw Count: 19  
 AADT Count: 19

Date And Period Time Range	Volume	< to 21	22 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 139	140 to >	Total	% of Peak
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Mon, Oct/14/2013

[15:00-16:00]	4	4	0	0	0	0	0	0	0	4	00000000
[16:00-17:00]	5	5	0	0	0	0	0	0	0	5	0000000000
[17:00-18:00]	0	0	0	0	0	0	0	0	0	0	
[18:00-19:00]	0	0	0	0	0	0	0	0	0	0	
[19:00-20:00]	0	0	0	0	0	0	0	0	0	0	
[20:00-21:00]	0	0	0	0	0	0	0	0	0	0	
[21:00-22:00]	1	0	1	0	0	0	0	0	0	1	00
[22:00-23:00]	0	0	0	0	0	0	0	0	0	0	
[23:00-00:00]	0	0	0	0	0	0	0	0	0	0	
Daily Totals:	10										
		9	1	0	0	0	0	0	0	10	

Peak Time (AM): 0 0  
 Peak Time (PM): Mon, Oct/14/2013 [16:00-17:00] 5 5

Tue, Oct/15/2013

[00:00-01:00]	0	0	0	0	0	0	0	0	0	0	
[01:00-02:00]	0	0	0	0	0	0	0	0	0	0	
[02:00-03:00]	0	0	0	0	0	0	0	0	0	0	
[03:00-04:00]	0	0	0	0	0	0	0	0	0	0	
[04:00-05:00]	0	0	0	0	0	0	0	0	0	0	
[05:00-06:00]	3	1	1	0	0	0	0	0	0	2	0000
[06:00-07:00]	1	1	0	0	0	0	0	0	0	1	00
[07:00-08:00]	0	0	0	0	0	0	0	0	0	0	
[08:00-09:00]	0	0	0	0	0	0	0	0	0	0	
[09:00-10:00]	1	0	1	0	0	0	0	0	0	1	00
[10:00-11:00]	1	1	0	0	0	0	0	0	0	1	00
[11:00-12:00]	0	0	0	0	0	0	0	0	0	0	
[12:00-13:00]	1	1	0	0	0	0	0	0	0	1	00
[13:00-14:00]	1	1	0	0	0	0	0	0	0	1	00
[14:00-15:00]	1	1	0	0	0	0	0	0	0	1	00
Daily Totals:	9										
		6	2	0	0	0	0	0	0	8	

Peak Time (AM): Tue, Oct/15/2013 [05:00-06:00] 3 2  
 Peak Time (PM): Tue, Oct/15/2013 [12:00-13:00] 1 1

# Class/Volume Report

HI-Star ID: 4826		Begin: Oct/14/2013 03:00:00 PM				End: Oct/15/2013 03:00:00 PM				
Street: WAKEFIELD		Lane: SOUTH				Hours: 24.00				
State: TX		Oper: L.J				Period: 60				
City: LEAGUE CITY		Posted: 25				Raw Count: 19				
County: GALVESTON		AADT Factor: 1				AADT Count: 19				
Date	<	22	40	50	60	70	80	140		
And Period	to	to	to	to	to	to	to	to		
Time Range	Volume	21	39	49	59	69	79	139	>	
									Total	% of Peak

Total Counted: 19

Total Classified: 15 0 0 0 0 0 0 0 0 18

10/14/2013 03:00:00 PM Peak Time (AM): Oct/15/2013 [05:00-06:00] 3 2  
 10/15/2013 03:00:00 PM Peak Time (PM): Oct/14/2013 [16:00-17:00] 5 5

**Nu-Metrics Traffic Analyzer Study**  
**Computer Generated Summary Report**  
**City: LEAGUE CITY**  
**Street: WAKEFIELD**

A study of vehicle traffic was conducted with HI-STAR unit number 9176. The study was done in the NORTH lane at WAKEFIELD in LEAGUE CITY, TX in GALVESTON county. The study began on Oct/14/2013 at 03:00:00 PM and concluded on Oct/15/2013 at 03:00:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 69 vehicles passed through the location with a peak volume of 10 on Oct/14/2013 at [16:00-17:00] and a minimum volume of 0 on Oct/14/2013 at [20:00-21:00]. The AADT count for this study was 69.

**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 26 MPH with 26.23% vehicles exceeding the posted speed of 25 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 35.83 MPH.

< to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >					
2	1	14	12	16	5	6	3	0	1	1	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 0 which represents 0 percent of the total classified vehicles. The number of Vans & Pickups in the study was 51 which represents 84 percent of the total classified vehicles. The number of Busses & Trucks in the study was 0 which represents 0 percent of the total classified vehicles. The number of Tractor Trailers in the study was 10 which represents 0 percent of the total classified vehicles.

< to 21	22 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 139	140 to >												
51	9	0	0	1	0	0	0												

CHART 2

**HEADWAY**

During the peak traffic period, on Oct/14/2013 at [16:00-17:00] the average headway between vehicles was 327.273 seconds. During the slowest traffic period, on Oct/14/2013 at [20:00-21:00] the average headway between vehicles was 3600 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 74.00 and 119.00 degrees F.

# Class/Volume Report

HI-Star ID:9176  
Street:WAKEFIELD  
State:TX  
City:LEAGUE CITY  
County:GALVESTON

Begin: Oct/14/2013 03:00:00 PM  
Lane: NORTH  
Oper: L.J  
Posted: 25  
AADT Factor: 1

End: Oct/15/2013 03:00:00 PM  
Hours: 24.00  
Period: 60  
Raw Count: 69  
AADT Count: 69

Date And Period Time Range	Volume	< to 21	22 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 139	140 to >	Total	% of Peak
Mon,Oct/14/2013											
[15:00-16:00]	8	7	1	0	0	0	0	0	0	8	0000000000
[16:00-17:00]	10	6	2	0	0	1	0	0	0	9	0000000000
[17:00-18:00]	6	4	1	0	0	0	0	0	0	5	000000
[18:00-19:00]	7	6	1	0	0	0	0	0	0	7	00000000
[19:00-20:00]	5	4	1	0	0	0	0	0	0	5	000000
[20:00-21:00]	0	0	0	0	0	0	0	0	0	0	
[21:00-22:00]	2	2	0	0	0	0	0	0	0	2	00
[22:00-23:00]	0	0	0	0	0	0	0	0	0	0	
[23:00-00:00]	1	0	1	0	0	0	0	0	0	1	0
Daily Totals:	39										
		29	7	0	0	1	0	0	0	37	
Peak Time (AM):										0	0
Peak Time (PM):	Mon,Oct/14/2013 [16:00-17:00]									10	9
Tue,Oct/15/2013											
[00:00-01:00]	0	0	0	0	0	0	0	0	0	0	
[01:00-02:00]	0	0	0	0	0	0	0	0	0	0	
[02:00-03:00]	0	0	0	0	0	0	0	0	0	0	
[03:00-04:00]	1	1	0	0	0	0	0	0	0	1	0
[04:00-05:00]	0	0	0	0	0	0	0	0	0	0	
[05:00-06:00]	0	0	0	0	0	0	0	0	0	0	
[06:00-07:00]	2	1	0	0	0	0	0	0	0	1	0
[07:00-08:00]	1	0	1	0	0	0	0	0	0	1	0
[08:00-09:00]	6	4	0	0	0	0	0	0	0	4	00000
[09:00-10:00]	1	0	0	0	0	0	0	0	0	0	
[10:00-11:00]	0	0	0	0	0	0	0	0	0	0	
[11:00-12:00]	4	3	1	0	0	0	0	0	0	4	00000
[12:00-13:00]	5	3	0	0	0	0	0	0	0	3	0000
[13:00-14:00]	3	3	0	0	0	0	0	0	0	3	0000
[14:00-15:00]	7	7	0	0	0	0	0	0	0	7	0000000
Daily Totals:	30										
		22	2	0	0	0	0	0	0	24	
Peak Time (AM):	Tue,Oct/15/2013 [08:00-09:00]									6	4
Peak Time (PM):	Tue,Oct/15/2013 [14:00-15:00]									7	7

### Class/Volume Report

HI-Star ID:9176			Begin: Oct/14/2013 03:00:00 PM					End: Oct/15/2013 03:00:00 PM			
Street:WAKEFIELD			Lane: NORTH					Hours: 24.00			
State:TX			Oper: L.J					Period: 60			
City:LEAGUE CITY			Posted: 25					Raw Count: 69			
County:GALVESTON			AADT Factor: 1					AADT Count: 69			
Date	<	22	40	50	60	70	80	140			
And Period	to	to	to	to	to	to	to	to			
Time Range	Volume	21	39	49	59	69	79	139	>		
										Total	% of Peak

Total Counted: 69

Total Classified:	51	0	1	0	0	0	0	61
	9	0	0	0	0	0	0	61

Oct/14/2013 03:00:00 PM	Peak Time (AM):	Oct/15/2013	[08:00-09:00]	6	4
Oct/15/2013 03:00:00 PM	Peak Time (PM):	Oct/14/2013	[16:00-17:00]	10	9