

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Broken Arrow
Street: 37th s 194th/197th**

A study of vehicle traffic was conducted with HI-STAR unit number 6048. The study was done in the lane at 37th s 194th/197th in Broken Arrow, Ok in Tulsa county. The study began on Jul/12/16 at 07:00 and concluded on Jul/13/16 at 07:00, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 915 vehicles passed through the location with a peak volume of 31 on Jul/12/16 at [17:30-17:45] and a minimum volume of 0 on Jul/13/16 at [01:45-02:00]. The AADT count for this study was 915.

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 - 28 MPH range or lower. The average speed for all classified vehicles was 26 MPH with 30.93% 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 30.52 MPH.

< to 6	7 to 8	9 to 12	13 to 15	16 to 18	19 to 21	22 to 24	25 to 27	28 to 30	31 to 33	34 to 36	37 to 39	40 to 42	43 to 45	46 to >					
2	5	17	18	33	109	195	233	168	59	17	8	5	7	10					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Problem with the battery detected. Try discharging and fully charging it
Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 674 which represents 76 percent of the total classified vehicles. The number of Vans & Pickups in the study was 181 which represents 20 percent of the total classified vehicles. The number of Busses & Trucks in the study was 15 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 16 which represents 2 percent of the total classified vehicles.

< to 17	18 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to 61	62 to >												
674	181	8	7	9	4	3	0												

CHART 2

HEADWAY

During the peak traffic period, on Jul/12/16 at [17:30-17:45] the average headway between vehicles was 28.125 seconds. During the slowest traffic period, on Jul/13/16 at [01:45-02:00] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 85.00 and 126.00 degrees F.

Date/Time/Volume/Average Speed/Temperature Report

HI-Star ID: 6048 Street: 37th s 194th/197th State: Ok City: Broken Arrow County: Tulsa	Begin: Jul/12/16 07:00 Lane: Oper: CM Posted: 25 AADT Factor: 1	End: Jul/13/16 07:00 Hours: 24.00 Period: 15 Raw Count: 915 AADT Count: 915		
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
Tue, Jul/12/16				
[07:00-07:15]	19	26 MPH	89 F	---
[07:15-07:30]	15	26 MPH	87 F	---
[07:30-07:45]	24	30 MPH	87 F	---
[07:45-08:00]	8	26 MPH	89 F	---
[08:00-08:15]	15	26 MPH	89 F	---
[08:15-08:30]	10	26 MPH	95 F	---
[08:30-08:45]	18	28 MPH	97 F	---
[08:45-09:00]	6	27 MPH	97 F	---
[09:00-09:15]	5	27 MPH	97 F	---
[09:15-09:30]	13	21 MPH	95 F	---
[09:30-09:45]	6	29 MPH	89 F	---
[09:45-10:00]	4	27 MPH	89 F	---
[10:00-10:15]	10	23 MPH	89 F	---
[10:15-10:30]	11	23 MPH	87 F	---
[10:30-10:45]	9	28 MPH	87 F	---
[10:45-11:00]	9	27 MPH	87 F	---
[11:00-11:15]	11	25 MPH	87 F	---
[11:15-11:30]	6	28 MPH	85 F	---
[11:30-11:45]	13	26 MPH	85 F	---
[11:45-12:00]	8	29 MPH	85 F	---
[12:00-12:15]	8	26 MPH	87 F	---
[12:15-12:30]	8	27 MPH	87 F	---
[12:30-12:45]	11	23 MPH	87 F	---
[12:45-13:00]	6	24 MPH	97 F	---
[13:00-13:15]	12	21 MPH	101 F	---
[13:15-13:30]	15	25 MPH	105 F	---
[13:30-13:45]	7	27 MPH	111 F	---
[13:45-14:00]	8	28 MPH	115 F	---
[14:00-14:15]	8	27 MPH	119 F	---
[14:15-14:30]	11	30 MPH	121 F	---
[14:30-14:45]	8	23 MPH	121 F	---
[14:45-15:00]	5	32 MPH	123 F	---
[15:00-15:15]	10	26 MPH	125 F	---
[15:15-15:30]	13	30 MPH	125 F	---
[15:30-15:45]	17	23 MPH	125 F	---
[15:45-16:00]	14	25 MPH	125 F	---

Date/Time/Volume/Average Speed/Temperature Report

HI-Star ID: 6048 Street: 37th s 194th/197th State: Ok City: Broken Arrow County: Tulsa	Begin: Jul/12/16 07:00 Lane: Oper: CM Posted: 25 AADT Factor: 1	End: Jul/13/16 07:00 Hours: 24.00 Period: 15 Raw Count: 915 AADT Count: 915		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Tue, Jul/12/16				
[16:00-16:15]	24	27 MPH	126 F	---
[16:15-16:30]	18	27 MPH	126 F	---
[16:30-16:45]	19	26 MPH	125 F	---
[16:45-17:00]	17	24 MPH	125 F	---
[17:00-17:15]	19	26 MPH	125 F	---
[17:15-17:30]	20	27 MPH	123 F	---
[17:30-17:45]	31	28 MPH	123 F	---
[17:45-18:00]	18	27 MPH	121 F	---
[18:00-18:15]	17	25 MPH	121 F	---
[18:15-18:30]	26	27 MPH	119 F	---
[18:30-18:45]	20	27 MPH	117 F	---
[18:45-19:00]	18	27 MPH	115 F	---
[19:00-19:15]	20	26 MPH	113 F	---
[19:15-19:30]	10	26 MPH	111 F	---
[19:30-19:45]	14	25 MPH	109 F	---
[19:45-20:00]	17	24 MPH	107 F	---
[20:00-20:15]	18	23 MPH	105 F	---
[20:15-20:30]	11	24 MPH	103 F	---
[20:30-20:45]	11	25 MPH	101 F	---
[20:45-21:00]	14	24 MPH	99 F	---
[21:00-21:15]	8	21 MPH	99 F	---
[21:15-21:30]	10	25 MPH	97 F	---
[21:30-21:45]	14	25 MPH	97 F	---
[21:45-22:00]	7	20 MPH	97 F	---
[22:00-22:15]	8	25 MPH	97 F	---
[22:15-22:30]	2	25 MPH	97 F	---
[22:30-22:45]	11	20 MPH	97 F	---
[22:45-23:00]	6	26 MPH	95 F	---
[23:00-23:15]	6	25 MPH	95 F	---
[23:15-23:30]	6	26 MPH	95 F	---
[23:30-23:45]	4	22 MPH	95 F	---
[23:45-00:00]	4	29 MPH	93 F	---
Tue, Jul/12/16	829	26 MPH	103 F	
Wed, Jul/13/16				
[00:00-00:15]	2	25 MPH	93 F	---
[00:15-00:30]	3	29 MPH	93 F	---

Date/Time/Volume/Average Speed/Temperature Report

HI-Star ID: 6048 Street: 37th s 194th/197th State: Ok City: Broken Arrow County: Tulsa		Begin: Jul/12/16 07:00 Lane: Oper: CM Posted: 25 AADT Factor: 1		End: Jul/13/16 07:00 Hours: 24.00 Period: 15 Raw Count: 915 AADT Count: 915	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Wed, Jul/13/16					
[00:30-00:45]	1	20 MPH	91 F	---	
[00:45-01:00]	1	20 MPH	91 F	---	
[01:00-01:15]	1	26 MPH	91 F	---	
[01:15-01:30]	1	20 MPH	91 F	---	
[01:30-01:45]	1	24 MPH	91 F	---	
[01:45-02:00]	0	0 MPH	89 F	---	
[02:00-02:15]	2	17 MPH	89 F	---	
[02:15-02:30]	0	0 MPH	89 F	---	
[02:30-02:45]	2	22 MPH	89 F	---	
[02:45-03:00]	0	0 MPH	89 F	---	
[03:00-03:15]	1	24 MPH	89 F	---	
[03:15-03:30]	0	0 MPH	89 F	---	
[03:30-03:45]	1	26 MPH	89 F	---	
[03:45-04:00]	1	26 MPH	87 F	---	
[04:00-04:15]	0	0 MPH	87 F	---	
[04:15-04:30]	3	21 MPH	87 F	---	
[04:30-04:45]	0	0 MPH	87 F	---	
[04:45-05:00]	3	29 MPH	87 F	---	
[05:00-05:15]	1	26 MPH	87 F	---	
[05:15-05:30]	6	26 MPH	87 F	---	
[05:30-05:45]	7	25 MPH	87 F	---	
[05:45-06:00]	6	27 MPH	87 F	---	
[06:00-06:15]	8	28 MPH	85 F	---	
[06:15-06:30]	12	27 MPH	85 F	---	
[06:30-06:45]	12	25 MPH	85 F	---	
[06:45-07:00]	11	27 MPH	85 F	---	
Wed, Jul/13/16		86	24 MPH	88 F	
Jul/12/16 07:00					
Jul/13/16 07:00		915	26 MPH	99 F	

Time/Speed Report

HI-Star ID: 6048 Street: 37th s 194th/197th State: OK City: Broken Arrow County: Tulsa	Begin: Jul/12/16 07:00 Lane: Oper: CM Posted: 25 AADT Factor: 1	End: Jul/13/16 07:00 Hours: 24.00 Period: 15 Raw Count: 915 AADT Count: 915
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Date And Time Range	< to 6	7 to 8	9 to 12	13 to 15	16 to 18	19 to 21	22 to 24	25 to 27	28 to 30	31 to 33	34 to 36	37 to 39	40 to 42	43 to 45	46 to >	Total
Tue, Jul/12/16																
[07:00-07:15]	0	0	0	1	0	0	7	8	0	0	1	1	0	0	0	18
[07:15-07:30]	0	0	0	1	0	1	3	2	8	0	0	0	0	0	0	15
[07:30-07:45]	0	0	0	0	1	1	3	3	5	4	0	1	0	2	0	20
[07:45-08:00]	0	0	0	0	0	0	4	2	0	1	0	0	0	0	0	7
	0	0	0	2	1	2	17	15	13	5	1	2	0	2	0	60
[08:00-08:15]	0	1	1	0	0	2	2	5	1	0	2	0	0	0	1	15
[08:15-08:30]	1	0	0	0	0	0	2	4	1	1	0	0	1	0	0	10
[08:30-08:45]	0	0	0	0	1	0	3	5	6	0	1	1	0	0	0	17
[08:45-09:00]	0	0	0	1	0	0	2	0	1	0	2	0	0	0	0	6
	1	1	1	1	1	2	9	14	9	1	5	1	1	0	1	48
[09:00-09:15]	0	0	0	0	0	0	1	2	2	0	0	0	0	0	0	5
[09:15-09:30]	1	0	0	2	2	2	1	3	2	0	0	0	0	0	0	13
[09:30-09:45]	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	5
[09:45-10:00]	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	3
	1	0	0	2	2	2	4	7	6	2	0	0	0	0	0	26
[10:00-10:15]	0	0	1	0	0	3	2	2	2	0	0	0	0	0	0	10
[10:15-10:30]	0	0	1	0	0	2	4	4	0	0	0	0	0	0	0	11
[10:30-10:45]	0	0	0	0	1	1	1	1	2	1	1	1	0	0	0	9
[10:45-11:00]	0	0	0	0	0	4	0	2	0	2	0	0	0	0	1	9
	0	0	2	0	1	10	7	9	4	3	1	1	0	0	1	39
[11:00-11:15]	0	0	0	0	0	2	3	4	0	1	0	0	0	0	0	10
[11:15-11:30]	0	0	0	0	0	0	1	4	0	0	1	0	0	0	0	6
[11:30-11:45]	0	0	0	0	1	1	2	4	4	0	0	0	0	0	0	12
[11:45-12:00]	0	0	0	0	0	1	1	1	3	1	0	0	0	1	0	8
	0	0	0	0	1	4	7	13	7	2	1	0	0	1	0	36
[12:00-12:15]	0	1	0	0	1	0	3	0	1	0	1	0	0	0	1	8
[12:15-12:30]	0	0	0	0	0	2	1	1	2	2	0	0	0	0	0	8
[12:30-12:45]	0	0	2	0	0	2	1	4	2	0	0	0	0	0	0	11
[12:45-13:00]	0	0	1	0	0	0	2	1	1	1	0	0	0	0	0	6
	0	1	3	0	1	4	7	6	6	3	1	0	0	0	1	33
[13:00-13:15]	0	0	2	0	1	3	1	3	1	0	0	0	0	0	0	11
[13:15-13:30]	0	0	0	0	1	2	6	1	4	0	0	0	0	0	0	14
[13:30-13:45]	0	0	0	0	0	1	2	1	1	0	1	0	0	0	0	6
[13:45-14:00]	0	0	0	0	0	1	2	1	3	0	0	0	0	1	0	8
	0	0	2	0	2	7	11	6	9	0	1	0	0	1	0	39

Time/Speed Report

HI-Star ID: 6048		Begin: Jul/12/16 07:00										End: Jul/13/16 07:00				
Street: 37th s 194th/197th		Lane:										Hours: 24.00				
State: Ok		Oper: CM										Period: 15				
City: Broken Arrow		Posted: 25										Raw Count: 915				
County: Tulsa		AADT Factor: 1										AADT Count: 915				
Date	<	7	9	13	16	19	22	25	28	31	34	37	40	43	46	
And	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	
Time Range	6	8	12	15	18	21	24	27	30	33	36	39	42	45	>	Total
Tue, Jul/12/16																
[14:00-14:15]	0	0	0	0	2	0	1	3	0	1	0	0	0	0	1	8
[14:15-14:30]	0	0	0	0	0	0	4	3	1	0	0	0	0	0	2	10
[14:30-14:45]	0	0	0	1	0	2	2	1	2	0	0	0	0	0	0	8
[14:45-15:00]	0	0	0	0	0	0	1	0	2	1	0	0	0	0	1	5
	0	0	0	1	2	2	8	7	5	2	0	0	0	0	4	31
[15:00-15:15]	0	0	1	0	0	0	1	3	4	1	0	0	0	0	0	10
[15:15-15:30]	0	0	0	0	0	0	2	4	3	2	0	1	1	0	0	13
[15:30-15:45]	0	0	2	0	2	1	4	4	4	0	0	0	0	0	0	17
[15:45-16:00]	0	0	0	0	0	1	7	5	1	0	0	0	0	0	0	14
	0	0	3	0	2	2	14	16	12	3	0	1	1	0	0	54
[16:00-16:15]	0	0	0	0	0	3	5	7	7	0	1	1	0	0	0	24
[16:15-16:30]	0	0	0	0	0	0	4	9	4	0	0	0	0	1	0	18
[16:30-16:45]	0	0	0	1	1	1	3	7	1	2	0	1	0	0	0	17
[16:45-17:00]	0	0	0	0	3	3	4	5	1	1	0	0	0	0	0	17
	0	0	0	1	4	7	16	28	13	3	1	2	0	1	0	76
[17:00-17:15]	0	0	0	1	0	2	4	6	5	1	0	0	0	0	0	19
[17:15-17:30]	0	0	0	0	1	0	6	3	8	0	1	0	0	0	0	19
[17:30-17:45]	0	0	0	0	2	2	5	7	8	4	0	0	1	0	1	30
[17:45-18:00]	0	0	2	0	0	0	2	4	5	3	1	1	0	0	0	18
	0	0	2	1	3	4	17	20	26	8	2	1	1	0	1	86
[18:00-18:15]	0	0	0	0	2	4	1	6	4	0	0	0	0	0	0	17
[18:15-18:30]	0	0	0	0	0	3	9	4	4	3	1	0	0	0	1	25
[18:30-18:45]	0	0	0	1	0	4	2	5	4	1	0	0	0	2	0	19
[18:45-19:00]	0	0	0	1	0	1	4	9	1	0	0	0	1	0	1	18
	0	0	0	2	2	12	16	24	13	4	1	0	1	2	2	79
[19:00-19:15]	0	0	1	0	0	2	4	5	7	1	0	0	0	0	0	20
[19:15-19:30]	0	0	0	0	0	1	4	1	2	2	0	0	0	0	0	10
[19:30-19:45]	0	0	0	0	0	3	6	3	1	1	0	0	0	0	0	14
[19:45-20:00]	0	0	0	1	0	5	2	5	4	0	0	0	0	0	0	17
	0	0	1	1	0	11	16	14	14	4	0	0	0	0	0	61
[20:00-20:15]	0	0	0	0	3	5	2	5	3	0	0	0	0	0	0	18
[20:15-20:30]	0	0	0	0	1	3	2	3	2	0	0	0	0	0	0	11
[20:30-20:45]	0	0	0	0	1	2	1	6	1	0	0	0	0	0	0	11
[20:45-21:00]	0	0	1	1	0	2	4	3	2	1	0	0	0	0	0	14
	0	0	1	1	5	12	9	17	8	1	0	0	0	0	0	54

Time/Speed Report

HI-Star ID: 6048 Street: 37th s 194th/197th State: Ok City: Broken Arrow County: Tulsa	Begin: Jul/12/16 07:00 Lane: Oper: CM Posted: 25 AADT Factor: 1	End: Jul/13/16 07:00 Hours: 24.00 Period: 15 Raw Count: 915 AADT Count: 915
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Date And Time Range	< to 6	7 to 8	9 to 12	13 to 15	16 to 18	19 to 21	22 to 24	25 to 27	28 to 30	31 to 33	34 to 36	37 to 39	40 to 42	43 to 45	46 to >	Total
Tue, Jul/12/16																
[21:00-21:15]	0	0	0	2	1	1	2	2	0	0	0	0	0	0	0	8
[21:15-21:30]	0	0	0	0	0	1	5	2	2	0	0	0	0	0	0	10
[21:30-21:45]	0	0	1	1	0	2	3	2	3	1	0	0	1	0	0	14
[21:45-22:00]	0	1	0	0	1	1	2	1	0	0	0	0	0	0	0	6
	0	1	1	3	2	5	12	7	5	1	0	0	1	0	0	38
[22:00-22:15]	0	0	0	0	0	2	1	3	2	0	0	0	0	0	0	8
[22:15-22:30]	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
[22:30-22:45]	0	0	0	1	3	5	0	1	1	0	0	0	0	0	0	11
[22:45-23:00]	0	0	0	0	0	1	2	1	0	0	1	0	0	0	0	5
	0	0	0	1	3	8	4	6	3	0	1	0	0	0	0	26
[23:00-23:15]	0	0	0	0	0	1	2	2	0	1	0	0	0	0	0	6
[23:15-23:30]	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	5
[23:30-23:45]	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	4
[23:45-00:00]	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	4
	0	0	0	1	0	3	5	4	2	4	0	0	0	0	0	19
	2	3	16	17	32	97	179	213	155	46	15	8	5	7	10	805
Wed, Jul/13/16																
[00:00-00:15]	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2
[00:15-00:30]	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	3
[00:30-00:45]	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
[00:45-01:00]	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	1	2	1	0	1	2	0	0	0	0	0	7
[01:00-01:15]	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
[01:15-01:30]	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
[01:30-01:45]	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
[01:45-02:00]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3
[02:00-02:15]	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
[02:15-02:30]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[02:30-02:45]	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
[02:45-03:00]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	2	1	0	0	0	0	0	0	0	0	4
[03:00-03:15]	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
[03:15-03:30]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[03:30-03:45]	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
[03:45-04:00]	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1

Time/Speed Report

HI-Star ID: 6048 Street: 37th s 194th/197th State: Ok City: Broken Arrow County: Tulsa		Begin: Jul/12/16 07:00 Lane: Oper: CM Posted: 25 AADT Factor: 1					End: Jul/13/16 07:00 Hours: 24.00 Period: 15 Raw Count: 915 AADT Count: 915									
Date And Time Range	< to	7 to	9 to	13 to	16 to	19 to	22 to	25 to	28 to	31 to	34 to	37 to	40 to	43 to	46 to	Total
Wed, Jul/13/16																
	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	3
[04:00-04:15]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:15-04:30]	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3
[04:30-04:45]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[04:45-05:00]	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	3
	0	0	0	0	0	2	1	1	1	1	0	0	0	0	0	6
[05:00-05:15]	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
[05:15-05:30]	0	0	0	0	0	1	2	0	1	1	0	0	0	0	0	5
[05:30-05:45]	0	0	1	0	0	2	1	0	1	1	1	0	0	0	0	7
[05:45-06:00]	0	0	0	0	0	0	3	1	0	2	0	0	0	0	0	6
	0	0	1	0	0	3	6	2	2	4	1	0	0	0	0	19
[06:00-06:15]	0	0	0	0	0	0	1	3	1	2	0	0	0	0	0	7
[06:15-06:30]	0	0	0	0	0	2	2	3	3	1	1	0	0	0	0	12
[06:30-06:45]	0	1	0	0	0	0	1	4	3	0	0	0	0	0	0	9
[06:45-07:00]	0	1	0	0	0	0	1	4	2	3	0	0	0	0	0	11
	0	2	0	0	0	2	5	14	9	6	1	0	0	0	0	39
	0	2	1	1	1	12	16	20	13	13	2	0	0	0	0	81
Jul/12/16 07:00 Jul/13/16 07:00	2	5	17	18	33	109	195	233	168	59	17	8	5	7	10	886