Nu-Metrics Traffic Analyzer Study Computer Generated Summary Report City: O'Fallon

Street: Main St between W.Terra & Pitman

A study of vehicle traffic was conducted with HI-STAR unit number 2994. The study was done in the SB lane at Main St between W.Terra & Pitman in O'Fallon, MO in St. Charles county. The study began on Aug/31/2011 at 11:00:00 AM and concluded on Sep/05/2011 at 11:00:00 AM, lasting a total of 120.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 28445 vehicles passed through the location with a peak volume of 476 on Sep/02/2011 at [16:00-17:00] and a minimum volume of 10 on Sep/05/2011 at [03:00-04:00]. The AADT count for this study was 5,689.

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 30 - 35 MPH range or lower. The average speed for all classifed vehicles was 32 MPH with 33.98% vehicles exceeding the posted speed of 30 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 30MPH and the 85th percentile was 39.62 MPH.

<	10	15	20	25	30	35	40	45	50					1	
to 9	to 14	to 19	to 24	to 29	to 34	to 39	to 44	to 49	to >		×				
281	844	1495	2763	5101	7842	5706	2326	803	599						

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 22342 which represents 80 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 Tailers in the study was 5418 which represents 0 percent of the total classified vehicles.

<	22	40	50	60	70	80	140							
to 21	to 39	to 49	to 59	to 69	to 79	to 139	to >	11						
22342	4833	274	148	71	40	52	0							

CHART 2

HEADWAY

During the peak traffic period, on Sep/02/2011 at [16:00-17:00] the average headway between vehicles was 7.547 seconds. During the slowest traffic period, on Sep/05/2011 at [03:00-04:00] the average headway between vehicles was 327.273 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 62.00 and 113.00 degrees F.

HI-Star ID: 2994

Begin: Aug/31/2011 11:00:00 AM Lane: SB Oper: JGF Posted: 30

End: Sep/05/2011 11:00:00 AM Hours: 120.00

Street: Main St between W.Terra & Pitm State: MO

Period: 60

City: O'Fallon

County: St. Charles	AADT Factor: 1		AADT Count: 5,0	
Date				Roadway
And	Period	Average	Roadway	Surface
Time Range	Volume	Speed	Temperature	Wet/Dry
Wed, Aug/31/2011				
[11:00-12:00]	408	32 MPH	105 F	
[12:00-13:00]	380	32 MPH	109 F	2000
[13:00-14:00]	396	32 MPH	111 F	
[14:00-15:00]	345	32 MPH	111 F	
[15:00-16:00]	397	29 MPH	111 F	
[16:00-17:00]	384	26 MPH	109 F	
[17:00-18:00]	379	29 MPH	105 F	<u> </u>
[18:00-19:00]	344	31 MPH	99 F	
[19:00-20:00]	309	32 MPH	95 F	
[20:00-21:00]	223	33 MPH	93 F	***
[21:00-22:00]	172	35 MPH	89 F	
[22:00-23:00]	101	37 MPH	87 F	
[23:00-00:00]	52	36 MPH	87 F	
Wed, Aug/31/2011	3890	32 MPH	101 F	
Thu,Sep/01/2011				
[00:00-01:00]	21	38 MPH	85 F	
[01:00-02:00]	21	36 MPH	85 F	200000 200000
[02:00-03:00]	25	36 MPH	83 F	
[03:00-04:00]	25	35 MPH	83 F	
[04:00-05:00]	63	39 MPH	82 F	
[05:00-06:00]	187	36 MPH	82 F	
[06:00-07:00]	396	33 MPH	82 F	
[07:00-08:00]	430	29 MPH	85 F	
[08:00-09:00]	406	31 MPH	91 F	-
[09:00-10:00]	391	31 MPH	97 F	
[10:00-11:00]	371	32 MPH	103 F	
[11:00-12:00]	395	32 MPH	109 F	
[12:00-13:00]	428	31 MPH	111 F	
[13:00-14:00]	422	27 MPH	113 F	
[14:00-15:00]	365	32 MPH	113 F	
[15:00-16:00]	409	29 MPH	111 F	
[16:00-17:00]	369	32 MPH	109 F	
[17:00-18:00]	370	32 MPH	105 F	
[18:00-19:00]	405	31 MPH	99 F). ****
[19:00-20:00]	303	32 MPH	95 F	(A nton)
[20:00-21:00]	272	33 MPH	93 F	
[21:00-22:00]	174	34 MPH	91 F	
[22:00-23:00]	119	35 MPH	89 F	
[23:00-00:00]	57	35 MPH	87 F	
Thu,Sep/01/2011	6424	32 MPH	95 F	
Fri,Sep/02/2011				
[00:00-01:00]	28	36 MPH	85 F	

HI-Star ID: 2994

Begin: Aug/31/2011 11:00:00 AM Lane: SB Oper: JGF Posted: 30

Street: Main St between W.Terra & Pitrr State: MO City: O'Fallon

End: Sep/05/2011 11:00:00 AM Hours: 120.00 Period: 60 Raw Count: 28445

City: O'Fallon County: St. Charles	Posted: 30 AADT Factor: 1		AADT Count: 5,6	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,Sep/02/2011				
[01:00-02:00]	29	37 MPH	83 F	
[02:00-03:00]	24	35 MPH	83 F	
[03:00-04:00]	26	35 MPH	82 F	
[04:00-05:00]	84	39 MPH	82 F	
[05:00-06:00]	175	37 MPH	80 F	
[06:00-07:00]	347	35 MPH	82 F	
[07:00-08:00]	427	31 MPH	85 F	
[08:00-09:00]	437	31 MPH	91 F	
[09:00-10:00]	395	31 MPH	99 F	
[10:00-11:00]	440	30 MPH	105 F	
[11:00-12:00]	455	28 MPH	109 F	900.00 200.00
[12:00-13:00]	453	24 MPH	111 F	
[13:00-14:00]	427	31 MPH	113 F	
[14:00-15:00]	373	32 MPH	113 F	
[15:00-16:00]	400	31 MPH	111 F	
[16:00-17:00]	476	28 MPH	109 F	***
[17:00-18:00]	414	30 MPH	103 F	Sacro-
[18:00-19:00]	374	30 MPH	99 F	5470
[19:00-20:00]	318	32 MPH	95 F	
[20:00-21:00]	240	32 MPH	93 F	
[21:00-22:00]	178	35 MPH	91 F	
[22:00-23:00]	125	34 MPH	89 F	
[23:00-00:00]	107	35 MPH	87 F	
Fri,Sep/02/2011	6752	32 MPH	95 F	
Sat,Sep/03/2011				
[00:00-01:00]	45	35 MPH	85 F	
[01:00-02:00]	35	39 MPH	85 F	
[02:00-03:00]	26	33 MPH	83 F	
[03:00-04:00]	21	35 MPH	82 F	
[04:00-05:00]	26	37 MPH	82 F	1
[05:00-06:00]	59	37 MPH	82 F	Production
[06:00-07:00]	124	37 MPH	82 F	
[07:00-08:00]	192	36 MPH	85 F	
[08:00-09:00]	305	33 MPH	93 F	
[09:00-10:00]	212	14 MPH	99 F	
[10:00-11:00]	127	11 MPH	103 F	
[11:00-12:00]	354	26 MPH	109 F	
[12:00-13:00]	457	29 MPH	111 F	
[13:00-14:00]	412	30 MPH	111 F	
[14:00-15:00]	398	30 MPH	111 F	1.000
[15:00-16:00]	365	33 MPH	111 F	
[16:00-17:00]	337	32 MPH	107 F	
[17:00-18:00]	414	27 MPH	103 F	

HI-Star ID:2994 Street:Main St between W.Terra & Pitrr

Begin: Aug/31/2011 11:00:00 AM Lane: SB Oper: JGF Posted: 30

End: Sep/05/2011 11:00:00 AM Hours: 120.00 Period: 60

State: MO City: O'Fallon

City: O'Fallon County: St. Charles	Posted: 30 AADT Factor: 1		AADT Count: 5,689	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Sat,Sep/03/2011				
[18:00-19:00]	249	33 MPH	97 F	
[19:00-20:00]	283	34 MPH	93 F	
[20:00-21:00]	244	33 MPH	87 F	
[21:00-22:00]	200	34 MPH	85 F	
[22:00-23:00]	168	34 MPH	83 F	
[23:00-00:00]	93	36 MPH	83 F	
Sat,Sep/03/2011	5146	33 MPH	94 F	
Sun,Sep/04/2011				
[00:00-01:00]	57	35 MPH	83 F	
[01:00-02:00]	33	37 MPH	82 F	
[02:00-03:00]	21	37 MPH	82 F	
[03:00-04:00]	17	36 MPH	78 F	
[04:00-05:00]	26	39 MPH	76 F	
[05:00-06:00]	30	36 MPH	76 F	
[06:00-07:00]	66	38 MPH	76 F	
[07:00-08:00]	132	38 MPH	74 F	5.00
[08:00-09:00]	254	34 MPH	74 F	
[09:00-10:00]	255	34 MPH	76 F	
[10:00-11:00]	415	30 MPH	78 F	
[11:00-12:00]	386	32 MPH	83 F	
[12:00-13:00]	409	30 MPH	85 F	
[13:00-14:00]	366	32 MPH	87 F	
[14:00-15:00]	321	34 MPH	93 F	
[15:00-16:00]	332	33 MPH	95 F	
[16:00-17:00]	326	33 MPH	93 F	
[17:00-18:00]	270	33 MPH	85 F	
[18:00-19:00]	273	34 MPH	80 F	
[19:00-20:00]	300	34 MPH	76 F	
[20:00-21:00]	213	34 MPH	74 F	
[21:00-22:00]	202	35 MPH	72 F	
[22:00-23:00]	139	37 MPH	70 F	
[23:00-00:00]	53	37 MPH	70 F	
Sun,Sep/04/2011	4896	34 MPH	80 F	
Mon,Sep/05/2011			96786 NW	
[00:00-01:00]	42	35 MPH	68 F	
[01:00-02:00]	19	36 MPH	66 F	
[02:00-03:00]	18	37 MPH	66 F	
[03:00-04:00]	10	39 MPH	64 F	
[04:00-05:00]	31	38 MPH	64 F	
[05:00-06:00]	47	39 MPH	62 F	- 100 H
[06:00-07:00]	100	37 MPH	62 F	
[07:00-08:00]	137	37 MPH	70 F	

HI-Star ID:2994 Street: Main St between W.Terra & Pitm Begin: Aug/31/2011 11:00:00 AM Lane: SB_ End: Sep/05/2011 11:00:00 AM Hours: 120.00 Period: 60 Oper: JGF Posted: 30 State: MO City: O'Fallon County: St. Charles Raw Count: 28445 AADT Count: 5,689 AADT Factor: 1 Roadway Surface Date Average Speed Roadway Period And Wet/Dry Temperature Time Range Volume Mon, Sep/05/2011 76 F [08:00-09:00] 217 36 MPH 35 MPH 85 F [09:00-10:00] 267 85 F 29 MPH [10:00-11:00] 449 Mon, Sep/05/2011 70 F 1337 37 MPH Aug/31/2011 11:00:00 AM 34 MPH 90 F 28445 Sep/05/2011 11:00:00 AM

Nu-Metrics Traffic Analyzer Study Computer Generated Summary Report City: O'Fallon

Street: Main St between W Terra & Pitman

A study of vehicle traffic was conducted with HI-STAR unit number 2994. The study was done in the NB lane at Main St between W Terra & Pitman in O'Fallon, MO in St. Charles county. The study began on Sep/08/2011 at 11:00:00 AM and concluded on Sep/13/2011 at 11:00:00 AM, lasting a total of 120.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 31667 vehicles passed through the location with a peak volume of 651 on Sep/08/2011 at [17:00-18:00] and a minimum volume of 13 on Sep/12/2011 at [03:00-04:00]. The AADT count for this study was 6,333.

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 classifed vehicles was 36 MPH with 57.99% vehicles exceeding the posted speed of 30 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 35MPH and the 85th percentile was 42.05 MPH.

<	10	15	20	25	30	35	40	45	50					
to 9	to 14	to 19	to 24	to 29	to 34	to 39	to 44	to 49	to >					
17	53	189	695	2829	9411	11464	4980	1281	487					

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 27198 which represents 87 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 Tailers in the study was 4208 which represents 0 percent of the total classified vehicles.

<	22	40	50	60	70	80	140						
to 21	to 39	to 49	to 59	to 69	to 79	to 139	to >						
27198	3977	119	69	23	12	8	0						

CHART 2

HEADWAY

During the peak traffic period, on Sep/08/2011 at [17:00-18:00] the average headway between vehicles was 5.521 seconds. During the slowest traffic period, on Sep/12/2011 at [03:00-04:00] the average headway between vehicles was 257.143 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 64.00 and 103.00 degrees F.

HI-Star ID: 2994 Street: Main St between W Terra & Pitrr State: MO

City: O'Fallon

Begin: Sep/08/2011 11:00:00 AM Lane: NB Oper: JGF Posted: 30

End: Sep/13/2011 11:00:00 AM Hours: 120.00 Period: 60 Raw Count: 31667

County: St. Charles	AADT Factor: 1		AADT Count: 6,3	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Thu,Sep/08/2011				
[11:00-12:00]	370	36 MPH	89 F	
[12:00-13:00]	372	37 MPH	95 F	
[13:00-14:00]	429	36 MPH	99 F	
[14:00-15:00]	463	35 MPH	99 F	
[15:00-16:00]	485	35 MPH	93 F	
[16:00-17:00]	516	34 MPH	91 F	
[17:00-18:00]	651	32 MPH	85 F	
[18:00-19:00]	530	34 MPH	82 F	
[19:00-20:00]	405	36 MPH	78 F	
[20:00-21:00]	303	36 MPH	76 F	
[21:00-22:00]	237	36 MPH	74 F	
[22:00-23:00]	129	36 MPH	72 F	
[23:00-00:00]	90	37 MPH	72 F	
Thu,Sep/08/2011	4980	36 MPH	85 F	
Fri,Sep/09/2011				
[00:00-01:00]	56	35 MPH	70 F	
[01:00-02:00]	30	36 MPH	68 F	
[02:00-03:00]	18	38 MPH	68 F	
[03:00-04:00]	15	36 MPH	68 F	
[04:00-05:00]	19	36 MPH	68 F	
[05:00-06:00]	46	38 MPH	68 F	
[06:00-07:00]	164	39 MPH	68 F	
[07:00-08:00]	342	38 MPH	68 F	
[08:00-09:00]	304	37 MPH	68 F	
[09:00-10:00]	349	37 MPH	66 F	
[10:00-11:00]	325	37 MPH	72 F	
[11:00-12:00]	403	36 MPH	72 F 68 F	
[12:00-13:00] [13:00-14:00]	457	35 MPH	66 F	
[14:00-15:00]	431 511	35 MPH 34 MPH	66 F	2 222
[15:00-16:00]	426	33 MPH	66 F	(
[16:00-17:00]	461	34 MPH	64 F	
[17:00-17:00]	428	36 MPH	64 F	
[18:00-19:00]	479	36 MPH	64 F	
[19:00-20:00]	389	36 MPH	64 F	,
[20:00-21:00]	320	37 MPH	64 F	
[21:00-22:00]	275	36 MPH	66 F	70 <u>-00000</u> 0
[22:00-23:00]	245	36 MPH	66 F	
[23:00-00:00]	118	37 MPH	64 F	
Fri,Sep/09/2011	6611	36 MPH	67 F	
Sat,Sep/10/2011	0011	30 IVIF (1	0/1	
[00:00-01:00]	72	36 MPH	64 F	

HI-Star ID: 2994 Street: Main St between W Terra & Pitm

State: MO

City: O'Fallon

Begin: Sep/08/2011 11:00:00 AM Lane: NB Oper: JGF Posted: 30

End: Sep/13/2011 11:00:00 AM Hours: 120.00 Period: 60 Raw Count: 31667

City: O'Fallon County: St. Charles	Posted: 30 AADT Factor: 1		AADT Count: 6,3	
Date				Roadway
And	Period	Average	Roadway	Surface
Time Range	Volume	Speed	Temperature	Wet/Dry
Sat,Sep/10/2011				
[01:00-02:00]	54	38 MPH	66 F	
[02:00-03:00]	30	38 MPH	66 F	
[03:00-04:00]	21	36 MPH	66 F	
[04:00-05:00]	17	35 MPH	66 F	
[05:00-06:00]	44	38 MPH	66 F	
[06:00-07:00]	66	38 MPH	64 F	
[07:00-08:00]	192	38 MPH	66 F	
[08:00-09:00]	282	37 MPH	66 F	
[09:00-10:00]	342	37 MPH	68 F	name :
[10:00-11:00]	478	36 MPH	72 F	
[11:00-12:00]	503	36 MPH	76 F	U###
[12:00-13:00]	494	36 MPH	80 F	(COOK)
[13:00-14:00]	475	36 MPH	87 F	
[14:00-15:00]	412	36 MPH	83 F	
[15:00-16:00]	426	37 MPH	83 F	
[16:00-17:00]	497	36 MPH	85 F	
[17:00-18:00]	385	37 MPH	80 F	
[18:00-19:00]	401	37 MPH	76 F	
[19:00-20:00]	356	35 MPH	74 F	
[20:00-21:00]	274	36 MPH	72 F	
[21:00-22:00]	211	36 MPH	70 F	444
[22:00-23:00]	178	37 MPH	70 F	
[23:00-00:00]	157	37 MPH	68 F	
Sat,Sep/10/2011	6367	36 MPH	72 F	
Sun,Sep/11/2011				
[00:00-01:00]	85	36 MPH	66 F	
[01:00-02:00]	61	35 MPH	66 F	
[02:00-03:00]	35	34 MPH	64 F	
[03:00-04:00]	20	38 MPH	64 F	####
[04:00-05:00]	20	38 MPH	64 F	
[05:00-06:00]	29	38 MPH	64 F	
[06:00-07:00]	52	38 MPH	64 F	
[07:00-08:00]	188	39 MPH	66 F	
[08:00-09:00]	208	38 MPH	70 F	
[09:00-10:00]	408	37 MPH	82 F	
[10:00-11:00]	365	38 MPH	85 F	
[11:00-12:00]	556	36 MPH	91 F	
[12:00-13:00]	489	36 MPH	97 F	
[13:00-14:00]	453	36 MPH	95 F	
[14:00-15:00]	430	37 MPH	95 F	
[15:00-16:00]	426	37 MPH	93 F	
[16:00-17:00]	439	37 MPH	93 F	***
[17:00-18:00]	394	37 MPH	87 F	

HI-Star ID: 2994

Begin: Sep/08/2011 11:00:00 AM Lane: NB Oper: JGF Posted: 30

End: Sep/13/2011 11:00:00 AM Hours: 120.00 Period: 60

Street: Main St between W Terra & Pitrr State: MO

City: O'Fallon

City: O'Fallon County: St. Charles	Posted: 30 AADT Factor: 1		AADT Count: 6,3	
Date	p. st.	A	Deadur	Roadway
And Time Range	Period Volume	Average Speed	Roadway Temperature	Surface Wet/Dry
Sun,Sep/11/2011				
[18:00-19:00]	359	37 MPH	82 F	
[19:00-20:00]	317	35 MPH	80 F	
[20:00-21:00]	206	36 MPH	76 F	
[21:00-22:00]	112	36 MPH	74 F	
[22:00-23:00]	80	35 MPH	74 F	
[23:00-00:00]	44	37 MPH	72 F	
Sun,Sep/11/2011	5776	37 MPH	78 F	
Mon,Sep/12/2011				
[00:00-01:00]	19	34 MPH	70 F	
[01:00-02:00]	21	36 MPH	70 F	600101
[02:00-03:00]	16	38 MPH	70 F	
[03:00-04:00]	13	35 MPH	68 F	
[04:00-05:00]	17	38 MPH	66 F	
[05:00-06:00]	65	38 MPH	66 F	
[06:00-07:00]	220	39 MPH	66 F	
[07:00-08:00]	284	39 MPH	68 F	
[08:00-09:00]	321	38 MPH	72 F	
[09:00-10:00]	315	37 MPH	85 F	
[10:00-11:00]	357	37 MPH	93 F	
[11:00-12:00]	427	36 MPH	99 F	
[12:00-13:00]	412	36 MPH	101 F	***
[13:00-14:00]	420	35 MPH	103 F	The state of the s
[14:00-15:00]	486	34 MPH	103 F	
[15:00-16:00]	491	34 MPH	101 F	
[16:00-17:00]	511	35 MPH	97 F	
[17:00-18:00]	540	34 MPH	91 F	
[18:00-19:00]	427	36 MPH	87 F	
[19:00-20:00]	330	36 MPH	82 F	
[20:00-21:00]	212	36 MPH	80 F 78 F	
[21:00-22:00]	164	35 MPH	76 F	55555.5 69910-5
[22:00-23:00]	92	37 MPH	76 F	200
[23:00-00:00] Mon,Sep/12/2011	58 6218	35 MPH 36 MPH	82 F	
Tue,Sep/13/2011		30 101711	021	
[00:00-01:00]	28	37 MPH	74 F	202
[01:00-02:00]	24	37 MPH	74 F	00-700-1 00-700-1
(T1)	18	35 MPH	72 F	
[02:00-03:00] [03:00-04:00]	15	39 MPH	72 F	
[03:00-04:00]	22	34 MPH	70 F	
[05:00-06:00]	81	38 MPH	70 F	
[06:00-06:00]	258	38 MPH	70 F	
[07:00-08:00]	288	38 MPH	72 F	
[07.00-00.00]	200	30 WII 11	121	

Begin: Sep/08/2011 11:00:00 AM Lane: NB End: Sep/13/2011 11:00:00 AM HI-Star ID: 2994 Street: Main St between W Terra & Pitrr Hours: 120.00 Oper: JGF Posted: 30 Period: 60 State: MO City: O'Fallon County: St. Charles Raw Count: 31667 AADT Factor: 1 AADT Count: 6,333 Date And Time Range Roadway Surface Wet/Dry Average Speed Period Roadway Temperaturé Volume Tue, Sep/13/2011 38 MPH 76 F [08:00-09:00] 317 [09:00-10:00] 332 36 MPH 85 F [10:00-11:00] 332 37 MPH 85 F Tue, Sep/13/2011 74 F 1715 **37 MPH** Sep/08/2011 11:00:00 AM 76 F 31667 36 MPH Sep/13/2011 11:00:00 AM

Nu-Metrics Traffic Analyzer Study Computer Generated Summary Report City: O'Fallon

Street: Main St between W Terra & Pitman

A study of vehicle traffic was conducted with HI-STAR unit number 7304. The study was done in the NB lane at Main St between W Terra & Pitman in O'Fallon, MO in St. Charles county. The study began on Sep/08/2011 at 11:00:00 AM and concluded on Sep/13/2011 at 11:00:00 AM, lasting a total of 120.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 32163 vehicles passed through the location with a peak volume of 671 on Sep/12/2011 at [17:00-18:00] and a minimum volume of 5 on Sep/10/2011 at [03:00-04:00]. The AADT count for this study was 6,433.

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 30 - 35 MPH range or lower. The average speed for all classifed vehicles was 33 MPH with 32.85% vehicles exceeding the posted speed of 30 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 30MPH and the 85th percentile was 38.54 MPH.

Γ	<	10	15	20	25	30	35	40	45	50					
	to 9	to 14	to 19	to 24	to 29	to 34	to 39	to 44	to 49	to >					
Ī	13	88	344	1252	6559	13195	8054	1847	382	211					

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 29870 which represents 94 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 Tailers in the study was 2075 which represents 0 percent of the total classified vehicles.

<	22	40	50	60	70	80	140						
to 21	to 39	to 49	to 59	to 69	to 79	to 139	to >						
29870	1900	103	48	18	3	3	0						

CHART 2

HEADWAY

During the peak traffic period, on Sep/12/2011 at [17:00-18:00] the average headway between vehicles was 5.357 seconds. During the slowest traffic period, on Sep/10/2011 at [03:00-04:00] the average headway between vehicles was 600 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 64.00 and 113.00 degrees F.

Begin: Sep/08/2011 11:00:00 AM Lane: NB Oper: JGF Posted: 30

End: Sep/13/2011 11:00:00 AM Hours: 120.00 Period: 60 Raw Count: 32163

HI-Star ID: 7304 Street: Main St between W Terra & Pitm State: MO City: O'Fallon

City: O'Fallon County: St. Charles	Posted: 30 AADT Factor: 1		Raw Count: 32163 AADT Count: 6,433					
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry				
Thu,Sep/08/2011								
[11:00-12:00]	429	33 MPH	97 F					
[12:00-13:00]	445	33 MPH	103 F					
[13:00-14:00]	440	33 MPH	107 F					
[14:00-15:00]	492	33 MPH	105 F					
[15:00-16:00]	546	32 MPH	99 F	13 -4-				
[16:00-17:00]	566	31 MPH	97 F					
[17:00-18:00]	661	31 MPH	89 F					
[18:00-19:00]	563	33 MPH	85 F					
[19:00-20:00]	425	34 MPH	80 F					
[20:00-21:00]	335	33 MPH	78 F					
[21:00-22:00]	223	33 MPH	76 F	***				
[22:00-23:00]	124	33 MPH	74 F					
[23:00-00:00]	84	33 MPH	74 F					
Thu,Sep/08/2011	5333	33 MPH	90 F					
Fri,Sep/09/2011								
[00:00-01:00]	33	32 MPH	72 F					
[01:00-02:00]	22	30 MPH	70 F					
[02:00-03:00]	18	32 MPH	70 F					
[03:00-04:00]	16	32 MPH	70 F					
[04:00-05:00]	14	34 MPH	70 F					
[05:00-06:00]	66	34 MPH	70 F					
[06:00-07:00]	132	35 MPH	70 F					
[07:00-08:00]	308	34 MPH	70 F					
[08:00-09:00]	304	34 MPH	70 F					
[09:00-10:00]	347	32 MPH	68 F					
[10:00-11:00]	369	33 MPH	74 F	F 				
[11:00-12:00]	407	33 MPH	74 F					
[12:00-13:00]	469	32 MPH	70 F	1				
[13:00-14:00]	474	30 MPH	68 F					
[14:00-15:00]	506	30 MPH	66 F					
[15:00-16:00]	504	30 MPH	66 F					
[16:00-17:00]	529	30 MPH	66 F					
[17:00-18:00]	476	32 MPH	66 F	***				
[18:00-19:00]	478	33 MPH	66 F					
[19:00-20:00]	428	33 MPH	66 F					
[20:00-21:00]	326	33 MPH	66 F					
[21:00-22:00]	264	33 MPH	66 F	Control of the Contro				
[22:00-23:00]	217	32 MPH	66 F					
[23:00-00:00]	129	33 MPH	66 F					
Fri,Sep/09/2011	6836	32 MPH	69 F					
Sat,Sep/10/2011								
[00:00-01:00]	93	33 MPH	66 F					

Begin: Sep/08/2011 11:00:00 AM Lane: NB Oper: JGF Posted: 30

End: Sep/13/2011 11:00:00 AM Hours: 120.00 Period: 60

HI-Star ID: 7304 Street: Main St between W Terra & Pitrr State: MO City: O'Fallon

City: O'Fallon County: St. Charles	AADT Factor: 1		AADT Count: 6,4	433
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Set Sen/10/2011				
Sat,Sep/10/2011	56	34 MPH	66 F	
[01:00-02:00]	30	34 MPH	66 F	
[02:00-03:00]	5	34 MPH	68 F	
[03:00-04:00] [04:00-05:00]	17	35 MPH	68 F	
[05:00-06:00]	40	34 MPH	66 F	
[06:00-07:00]	62	34 MPH	66 F	
[07:00-08:00]	122	34 MPH	66 F	****
[08:00-09:00]	249	34 MPH	68 F	
[09:00-10:00]	341	34 MPH	68 F	
[10:00-11:00]	445	33 MPH	72 F	
[11:00-12:00]	480	33 MPH	76 F	
[12:00-13:00]	516	33 MPH	82 F	
[13:00-14:00]	500	33 MPH	91 F	
[14:00-15:00]	460	34 MPH	87 F	
[15:00-16:00]	452	34 MPH	85 F	
[16:00-17:00]	459	34 MPH	89 F	:
[17:00-18:00]	451	34 MPH	83 F	
[18:00-19:00]	408	34 MPH	80 F	
[19:00-20:00]	373	32 MPH	76 F	
[20:00-21:00]	353	32 MPH	76 F	
[21:00-22:00]	273	33 MPH	74 F	-
[22:00-23:00]	182	34 MPH	72 F	
[23:00-00:00]	158	34 MPH	70 F	() (
Sat,Sep/10/2011	6525	34 MPH	74 F	
Sun,Sep/11/2011				
[00:00-01:00]	87	31 MPH	68 F	
[01:00-02:00]	44	34 MPH	68 F	7.000
[02:00-03:00]	27	35 MPH	66 F	() ***
[03:00-04:00]	21	34 MPH	66 F	S. Toron o
[04:00-05:00]	9	36 MPH	64 F	10 00 00 00 00 00 00 00 00 00 00 00 00 0
[05:00-06:00]	29	34 MPH	64 F	
[06:00-07:00]	50	34 MPH	64 F	
[07:00-08:00]	131	35 MPH	66 F	
[08:00-09:00]	148	34 MPH	76 F	
[09:00-10:00]	228	35 MPH	83 F	
[10:00-11:00]	248	35 MPH	95 F	
[11:00-12:00]	417	34 MPH	97 F	
[12:00-13:00]	471	33 MPH	101 F	-
[13:00-14:00]	474	33 MPH	109 F	
[14:00-15:00]	410	34 MPH	95 F	
[15:00-16:00]	386	35 MPH	103 F	***
[16:00-17:00]	373	34 MPH	97 F	MACCING.
[17:00-18:00]	388	34 MPH	93 F	***

HI-Star ID: 7304 Street: Main St between W Terra & Pitrr State: NO

Begin: Sep/08/2011 11:00:00 AM Lane: NB Oper: JGF Posted: 30

End: Sep/13/2011 11:00:00 AM Hours: 120.00 Period: 60

City: O'Fallon

County: St. Charles	AADT Factor: 1		AADT Count: 6,4	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
			15	
Sun,Sep/11/2011	260	25 MDU	87 F	1222
[18:00-19:00]	368	35 MPH 33 MPH	82 F	
[19:00-20:00]	332	33 MPH	80 F	
[20:00-21:00]	269	32 MPH	76 F	
[21:00-22:00]	145 84	34 MPH	76 F	
[22:00-23:00]	63	34 MPH	74 F	
[23:00-00:00]				
Sun,Sep/11/2011	5202	34 MPH	81 F	
Mon,Sep/12/2011	1902			
[00:00-01:00]	23	33 MPH	74 F	
[01:00-02:00]	20	35 MPH	72 F	
[02:00-03:00]	11	31 MPH	72 F	
[03:00-04:00]	13	32 MPH	70 F	
[04:00-05:00]	20	34 MPH	68 F 68 F	
[05:00-06:00]	70	34 MPH	68 F	
[06:00-07:00]	132	35 MPH	70 F	
[07:00-08:00]	274	35 MPH	70 F	
[08:00-09:00]	294	35 MPH	89 F	30000000
[09:00-10:00]	328 370	33 MPH 34 MPH	97 F	
[10:00-11:00]	412	33 MPH	103 F	
[11:00-12:00]	424	33 MPH	109 F	3,000
[12:00-13:00]	450	33 MPH	113 F	(****)
[13:00-14:00]	497	33 MPH	113 F	
[14:00-15:00] [15:00-16:00]	546	32 MPH	111 F	
[16:00-17:00]	574	32 MPH	105 F	
[17:00-17:00]	671	31 MPH	99 F	
[18:00-19:00]	526	33 MPH	93 F	
[19:00-20:00]	421	33 MPH	87 F	
[20:00-21:00]	283	34 MPH	83 F	
[21:00-22:00]	189	31 MPH	82 F	
[22:00-23:00]	121	32 MPH	80 F	F 122
[23:00-00:00]	53	34 MPH	78 F	
Mon,Sep/12/2011	6722	33 MPH	87 F	
Tue,Sep/13/2011				
[00:00-01:00]	39	33 MPH	76 F	
[01:00-02:00]	21	32 MPH	76 F	
[02:00-03:00]	16	32 MPH	76 F	1222
[03:00-04:00]	7	32 MPH	74 F	
[04:00-05:00]	14	33 MPH	72 F	2.000
[05:00-06:00]	74	34 MPH	72 F	
[06:00-07:00]	150	34 MPH	72 F	
[07:00-08:00]	287	34 MPH	74 F	
-				

Begin: Sep/08/2011 11:00:00 AM Lane: NB End: Sep/13/2011 11:00:00 AM HI-Star ID: 7304 Street: Main St between W Terra & Pitrr Hours: 120.00 Period: 60 Oper: JGF State: MO City: O'Fallon County: St. Charles Posted: 30 AADT Factor: 1 Raw Count: 32163 AADT Count: 6,433 Roadway Surface Date Average Speed And Time Range Period Roadway Volume Temperature Wet/Dry Tue,Sep/13/2011 82 F [08:00-09:00] 265 **34 MPH** 298 **34 MPH** 93 F [09:00-10:00] 374 33 MPH 97 F [10:00-11:00] Tue,Sep/13/2011 1545 33 MPH 79 F Sep/08/2011 11:00:00 AM 79 F 32163 33 MPH Sep/13/2011 11:00:00 AM

Nu-Metrics Traffic Analyzer Study Computer Generated Summary Report City: O'Fallon

Street: Main St between W.Terra & Pitman

A study of vehicle traffic was conducted with HI-STAR unit number 7304. The study was done in the SB lane at Main St between W.Terra & Pitman in O'Fallon, MO in St. Charles county. The study began on Aug/31/2011 at 11:00:00 AM and concluded on Sep/05/2011 at 11:00:00 AM, lasting a total of 120.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 32309 vehicles passed through the location with a peak volume of 540 on Sep/02/2011 at [16:00-17:00] and a minimum volume of 10 on Sep/01/2011 at [02:00-03:00]. The AADT count for this study was 6,462.

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 classifed vehicles was 28 MPH with 11.57% vehicles exceeding the posted speed of 30 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 34.42 MPH.

				410						_	_	 	 _	 	
<	10	15	20	25	30	35	40	45	50						
to 9	to 14	to 19	to 24	to 29	to 34	to 39	to 44	to 49	to >						
371	1257	2195	4892	10084	9328	3067	488	89	37						

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 29165 which represents 92 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 Tailers in the study was 2643 which represents 0 percent of the total classified vehicles.

< to	22 to	40 to	50 to	60 to	70 to	80 to	140 to						
21	39	49	59	69	79	139	>						
29165	2451	91	65	25	5	6	0						

CHART 2

HEADWAY

During the peak traffic period, on Sep/02/2011 at [16:00-17:00] the average headway between vehicles was 6.654 seconds. During the slowest traffic period, on Sep/01/2011 at [02:00-03:00] the average headway between vehicles was 327.273 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 64.00 and 126.00 degrees F.

HI-Star ID: 7304

Begin: Aug/31/2011 11:00:00 AM Lane: SB Oper: JGF Poster: 30

End: Sep/05/2011 11:00:00 AM Hours: 120.00

Period: 60

Street: Main St between W.Terra & Pitrr State: MO City: O'Fallon

City: O'Fallon County: St. Charles	AADT Factor: 1		AADT Count: 6,	
Date	Period	Average	Roadway	Roadway Surface
And Time Range	Volume	Speed	Temperature	Wet/Dry
Wed, Aug/31/2011			41	
[11:00-12:00]	424	28 MPH	111 F	
[12:00-13:00]	407	28 MPH	119 F	
[13:00-14:00]	438	27 MPH	121 F	1242
[14:00-15:00]	418	28 MPH	123 F	1
[15:00-16:00]	478	25 MPH	121 F	
[16:00-17:00]	468	23 MPH	121 F	
[17:00-18:00]	489	24 MPH	113 F	
[18:00-19:00]	458	28 MPH	105 F	
[19:00-20:00]	402	29 MPH	99 F	·
[20:00-21:00]	317	29 MPH	97 F	
[21:00-22:00]	238	30 MPH	95 F	
[22:00-23:00]	117	32 MPH	93 F	(min the max)
[23:00-00:00]	71	32 MPH	91 F	1 7500 V
Wed,Aug/31/2011	4725	28 MPH	108 F	
Thu,Sep/01/2011				
[00:00-01:00]	49	32 MPH	89 F	
[01:00-02:00]	25	33 MPH	87 F	
[02:00-03:00]	10	31 MPH	85 F	
[03:00-04:00]	14	34 MPH	85 F	
[04:00-05:00]	57	34 MPH	83 F	
[05:00-06:00]	159	33 MPH	83 F	
[06:00-07:00]	326	31 MPH	83 F	(MACA)
[07:00-08:00]	467	27 MPH	87 F	
[08:00-09:00]	420	28 MPH	93 F	
[09:00-10:00]	440	28 MPH	99 F	
[10:00-11:00]	414	27 MPH	109 F	
[11:00-12:00]	446	27 MPH	117 F	
[12:00-13:00]	475	26 MPH	121 F	***
[13:00-14:00]	472	24 MPH	125 F	
[14:00-15:00]	401	29 MPH	126 F	
[15:00-16:00]	484	24 MPH	125 F	
[16:00-17:00]	502	27 MPH	121 F 113 F	(
[17:00-18:00]	459	28 MPH 28 MPH	107 F	
[18:00-19:00]	442	29 MPH	107 F	
[19:00-20:00]	392		97 F	
[20:00-21:00]	365 276	29 MPH 30 MPH	97 F	(****)
[21:00-22:00]	172	30 MPH 32 MPH	93 F	
[22:00-23:00]	86	32 MPH	93 F 91 F	SECTION CONTRACTOR
[23:00-00:00]				
Thu, Sep/01/2011	7353	29 MPH	101 F	
Fri,Sep/02/2011			.212.722	
[00:00-01:00]	46	33 MPH	89 F	2000

HI-Star ID: 7304 Street: Main St between W.Terra & Pitrr State: MO

City: O'Fallon County: St. Charles

Begin: Aug/31/2011 11:00:00 AM Lane: SB Oper: JGF Posted: 30 AADT Factor: 1

End: Sep/05/2011 11:00:00 AM Hours: 120.00 Period: 60

Raw Count: 32309 AADT Count: 6,462

County: St. Charles	AADT Factor: 1		462	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Fri,Sep/02/2011				
[01:00-02:00]	36	32 MPH	87 F	
[02:00-03:00]	23	33 MPH	85 F	
[03:00-04:00]	28	35 MPH	83 F	
[04:00-05:00]	55	33 MPH	83 F	2400
[05:00-06:00]	134	34 MPH	82 F	
[06:00-07:00]	298	31 MPH	82 F	***
[07:00-08:00]	465	28 MPH	85 F	
[08:00-09:00]	456	28 MPH	93 F	
[09:00-10:00]	457	27 MPH	101 F	
[10:00-11:00]	429	27 MPH	111 F	(
[11:00-12:00]	490	25 MPH	119 F	
[12:00-13:00]	487	19 MPH	121 F	
[13:00-14:00]	522	26 MPH	125 F	
[14:00-15:00]	485	28 MPH	126 F	
[15:00-16:00]	461	27 MPH	125 F	
[16:00-17:00]	540	24 MPH	121 F	Manager 15
[17:00-18:00]	497	24 MPH	113 F	
[18:00-19:00]	445	26 MPH	107 F	
[19:00-20:00]	431	29 MPH	101 F	
[20:00-21:00]	319	28 MPH	97 F	
[21:00-22:00]	244	31 MPH	97 F	
[22:00-23:00]	197	32 MPH	93 F	
[23:00-00:00]	132	32 MPH	91 F	-
Fri,Sep/02/2011	7677	28 MPH	101 F	
Sat,Sep/03/2011				
[00:00-01:00]	93	31 MPH	89 F	
[01:00-02:00]	53	32 MPH	87 F	
[02:00-03:00]	32	30 MPH	85 F	
[03:00-04:00]	26	32 MPH	85 F	
[04:00-05:00]	32	34 MPH	83 F	
[05:00-06:00]	46	34 MPH	82 F	
[06:00-07:00]	130	34 MPH	82 F	
[07:00-08:00]	209	33 MPH	85 F	
[08:00-09:00]	330	32 MPH	93 F	
[09:00-10:00]	416	22 MPH	101 F	
[10:00-11:00]	287	11 MPH	107 F	
[11:00-12:00]	358	18 MPH	115 F	
[12:00-13:00]	502	26 MPH	121 F	
[13:00-14:00]	460	27 MPH	125 F	200
[14:00-15:00]	467	27 MPH	125 F	
[15:00-16:00]	366	30 MPH	125 F	
[16:00-17:00]	391	30 MPH	121 F	
[17:00-18:00]	347	29 MPH	113 F	

HI-Star ID: 7304 Street: Main St between W.Terra & Pitrr State: MO

End: Sep/05/2011 11:00:00 AM Hours: 120.00 Period: 60

Raw Count: 32309 AADT Count: 6,462

Begin: Aug/31/2011 11:00:00 AM Lane: SB Oper: JGF Posted: 30 AADT Factor: 1 City: O'Fallon County: St. Charles

County, St. Chanes	701011 doter: 1			
Date And	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Time Range	Volume	Opera		
Set Sen/02/2011				
Sat,Sep/03/2011	422	24 MPH	105 F	
[18:00-19:00] [19:00-20:00]	312	31 MPH	99 F	
	283	31 MPH	95 F	
[20:00-21:00] [21:00-22:00]	218	31 MPH	91 F	
[22:00-23:00]	146	32 MPH	87 F	
[23:00-00:00]	128	32 MPH	87 F	:===
Ø. €		31 MPH	100 F	
Sat,Sep/03/2011	6054	STWITT	1001	
Sun,Sep/04/2011			05.5	
[00:00-01:00]	89	31 MPH	85 F	
[01:00-02:00]	65	32 MPH	85 F	
[02:00-03:00]	35	31 MPH	83 F	
[03:00-04:00]	20	32 MPH	80 F	======================================
[04:00-05:00]	14	30 MPH	78 F	
[05:00-06:00]	40	34 MPH	78 F 76 F	
[06:00-07:00]	63	33 MPH	76 F	
[07:00-08:00]	118	32 MPH	76 F	
[08:00-09:00]	202	33 MPH	76 F	
[09:00-10:00]	339	30 MPH	80 F	
[10:00-11:00]	357	31 MPH	82 F	
[11:00-12:00]	423	27 MPH	87 F	
[12:00-13:00]	414	29 MPH	93 F	
[13:00-14:00]	432	27 MPH	93 F	
[14:00-15:00]	375	29 MPH	99 F	
[15:00-16:00]	320	31 MPH	97 F	
[16:00-17:00]	334	31 MPH	91 F	-
[17:00-18:00]	342	29 MPH 30 MPH	83 F	
[18:00-19:00]	276	31 MPH	80 F	
[19:00-20:00]	301	30 MPH	76 F	
[20:00-21:00]	284	32 MPH	76 F	
[21:00-22:00]	214 163	31 MPH	74 F	
[22:00-23:00]	97	33 MPH	72 F	
[23:00-00:00]				
Sun,Sep/04/2011	5317	31 MPH	82 F	
Mon,Sep/05/2011				
[00:00-01:00]	85	32 MPH	70 F	
[01:00-02:00]	43	31 MPH	68 F	-
[02:00-03:00]	25	32 MPH	68 F	
[03:00-04:00]	17	35 MPH	66 F	
[04:00-05:00]	22	35 MPH	64 F	
[05:00-06:00]	35	33 MPH	64 F	
[06:00-07:00]	71	33 MPH	64 F	
[07:00-08:00]	113	33 MPH	66 F	

HI-Star ID:7304 Street: Main St between W.Terr State: MO City: O'Fallon County: St. Charles		/31/2011 11:00:00 AM	End: Se Hours: 12 Period: 60 Raw Count: 32 AADT Count: 6,) 2309
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadwa Surfac Wet/D
Mon,Sep/05/2011				
[08:00-09:00]	185	32 MPH	74 F	,
[09:00-10:00]	243	32 MPH	82 F	9
[10:00-11:00]	344	27 MPH	89 F	9
Mon,Sep/05/2011	1183	32 MPH	70 F	
Aug/31/2011 11:00:00 AM Sep/05/2011 11:00:00 AM	32309	30 MPH	95 F	



Google earth

feet _______100

600

6,333 6.433 6.462 5,689 74,917