Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 16-9228-005 **Day:** Tuesday

City: Raleigh **Date:** 5/3/2016

AM

NS/EW Streets:	Wake Forest Rd			Wake Forest Rd			Wake Towne Dr			Wake Towne Dr							
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND							
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB Uturns	SB Uturns	EB Uturns	WB Uturns
LANES:	1	2.5	0.5	1	2.5	0.5	1	2	0	0.5	0.5	1					
7:00 AM	7	153	5	7	229	7	9	0	14	4	0	2	437		2		
7:15 AM	4	187	6	7	264	3	19	0	15	7	0	4	516		1		
7:30 AM	8	216	11	10	321	8	26	0	13	6	0	4	623		2		
7:45 AM	14	209	10	14	346	17	26	2	19	4	0	6	667		0		
8:00 AM	21	249	16	19	374	25	24	0	23	5	2	2	760		4		
8:15 AM	51	299	14	20	320	52	32	0	21	10	2	8	829		1		
8:30 AM	16	219	17	26	337	29	22	0	13	16	0	6	701		0		
8:45 AM	10	231	13	23	347	17	12	0	18	15	0	11	697		5		
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB Uturns	SB Uturns	EB Uturns	WB Uturns
TOTAL VOLUMES :	131	1763	92	126	2538	158	170	2	136	67	4	43	5230	0	15	0	0
APPROACH %'s :	6.60%	88.77%	4.63%	4.46%	89.94%	5.60%	55.19%	0.65%	44.16%	58.77%	3.51%	37.72%					

PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	98	998	60	88	1378	123	90	0	75	46	4	27	2987
PEAK HR FACTOR :		0.794			0.950			0.778			0.740		0.901

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PM

NS/EW Streets:	Wake Forest Rd			Wake Forest Rd			Wake Towne Dr			Wake Towne Dr							
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND							
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB Uturns	SB Uturns	EB Uturns	WB Uturns
LANES:	1	2.5	0.5	1	2.5	0.5	1	2	0	0.5	0.5	1					
4:00 PM	11	337	52	60	246	21	14	2	12	35	3	32	825	0	7		
4:15 PM	10	320	58	65	260	12	22	2	5	40	2	30	826	0	4		
4:30 PM	13	362	64	49	237	14	42	7	10	45	1	28	872	0	5		
4:45 PM	10	304	49	67	300	21	14	1	10	38	4	36	854	0	11		
5:00 PM	11	417	53	54	300	17	14	1	7	54	2	23	953	0	1		
5:15 PM	10	372	37	58	273	28	17	2	9	34	2	39	881	0	0		
5:30 PM	15	338	54	60	348	31	36	8	124	21	1	28	1064	0	3		
5:45 PM	21	371	50	46	307	28	23	5	35	45	1	24	956	2	1		
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB Uturns	SB Uturns	EB Uturns	WB Uturns
TOTAL VOLUMES :	101	2821	417	459	2271	172	182	28	212	312	16	240	7231	2	32	0	0
APPROACH %'s :	3.02%	84.49%	12.49%	15.82%	78.26%	5.93%	43.13%	6.64%	50.24%	54.93%	2.82%	42.25%					

PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	57	1498	194	218	1228	104	90	16	175	154	6	114	3854
PEAK HR FACTOR :		0.909			0.883			0.418			0.867		0.906

Intersection Turning Movement

Prepared by:
PREPARED BY NATIONAL DATA & SURVEYING SERVICES
National Data & Surveying Services

PROJECT#: 16-9228-005
N/S Street: Wake Forest Rd
E/W Street: Wake Towne Dr
DATE: 5/3/2016
CITY: Raleigh

DAY: Tuesday

A M

PEDESTRIANS

TIME	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG	
	EB	WB	EB	WB	NB	SB	NB	SB
7:00 AM	0	0	0	0	0	0	0	1
7:15 AM	0	1	0	0	0	0	0	0
7:30 AM	0	0	1	0	0	0	0	0
7:45 AM	1	0	0	2	0	0	1	0
8:00 AM	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	1	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0
TOTALS	**1**	**1**	**1**	**3**	**0**	**0**	**1**	**1**

BIKES

TIME	NB			SB			EB			WB		
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

P M

PEDESTRIANS

TIME	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG	
	EB	WB	EB	WB	NB	SB	NB	SB
4:00 PM	1	2	0	0	0	0	2	1
4:15 PM	0	0	1	0	0	1	0	0
4:30 PM	2	0	0	0	0	0	0	0
4:45 PM	1	0	0	0	0	0	0	0
5:00 PM	2	0	0	0	1	0	0	0
5:15 PM	0	0	0	1	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0
5:45 PM	2	0	0	0	0	0	0	1
TOTALS	**8**	**2**	**1**	**1**	**1**	**1**	**2**	**2**

BIKES

TIME	NB			SB			EB			WB		
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR
4:00 PM	0	1	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	1	0	0	0	0	0	0	0
4:30 PM	0	1	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	**0**	**2**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 16-9228-005
Location: Wake Forest Rd & Wake Towne Dr
City: Raleigh

Day: Tuesday
Date: 5/3/2016

Peak Start Times	
AM	7:00 AM
MD	12:00 AM
PM	4:00 PM

Groups Printed - Cars, PU, Vans - Heavy Trucks

	Wake Forest Rd Northbound					Wake Forest Rd Southbound					Wake Towne Dr Eastbound					Wake Towne Dr Westbound					
Start Time	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Int. Total
7:00 AM	7	153	5	0	165	7	229	7	0	243	9	0	14	1	23	4	0	2	0	6	437
7:15 AM	4	187	6	0	197	7	264	3	1	274	19	0	15	0	34	7	0	4	0	11	516
7:30 AM	8	216	11	1	235	10	321	8	0	339	26	0	13	0	39	6	0	4	0	10	623
7:45 AM	14	209	10	2	233	14	346	17	1	377	26	2	19	1	47	4	0	6	0	10	667
Total	33	765	32	3	830	38	1160	35	2	1233	80	2	61	2	143	21	0	16	0	37	2243
8:00 AM	21	249	16	0	286	19	374	25	0	418	24	0	23	0	47	5	2	2	0	9	760
8:15 AM	51	299	14	1	364	20	320	52	0	392	32	0	21	0	53	10	2	8	0	20	829
8:30 AM	16	219	17	0	252	26	337	29	0	392	22	0	13	0	35	16	0	6	0	22	701
8:45 AM	10	231	13	0	254	23	347	17	0	387	12	0	18	0	30	15	0	11	0	26	697
Total	98	998	60	1	1156	88	1378	123	0	1589	90	0	75	0	165	46	4	27	0	77	2987
BREAK																					
4:00 PM	11	337	52	0	400	60	246	21	3	327	14	2	12	3	28	35	3	32	0	70	825
4:15 PM	10	320	58	1	388	65	260	12	0	337	22	2	5	0	29	40	2	30	1	72	826
4:30 PM	13	362	64	0	439	49	237	14	2	300	42	7	10	0	59	45	1	28	0	74	872
4:45 PM	10	304	49	0	363	67	300	21	1	388	14	1	10	0	25	38	4	36	0	78	854
Total	44	1323	223	1	1590	241	1043	68	6	1352	92	12	37	3	141	158	10	126	1	294	3377
5:00 PM	11	417	53	0	481	54	300	17	2	371	14	1	7	0	22	54	2	23	1	79	953
5:15 PM	10	372	37	1	419	58	273	28	0	359	17	2	9	0	28	34	2	39	0	75	881
5:30 PM	15	338	54	0	407	60	348	31	0	439	36	8	124	0	168	21	1	28	0	50	1064
5:45 PM	21	371	50	0	442	46	307	28	2	381	23	5	35	1	63	45	1	24	0	70	956
Total	57	1498	194	1	1749	218	1228	104	4	1550	90	16	175	1	281	154	6	114	1	274	3854
Grand Total	232	4584	509	6	5325	585	4809	330	12	5724	352	30	348	6	730	379	20	283	2	682	12461
Apprch %	4.4	86.1	9.6	0.1		10.2	84.0	5.8	0.2		48.2	4.1	47.7	0.8		55.6	2.9	41.5	0.3		
Total %	1.9	36.8	4.1	0.0	42.7	4.7	38.6	2.6	0.1	45.9	2.8	0.2	2.8	0.0	5.9	3.0	0.2	2.3	0.0	5.5	
Cars, PU, Vans	232	4558	508	6	5298	582	4787	330	12	5699	352	30	348	6	730	379	20	282	2	681	12408
% Cars, PU, Vans	100.0	99.4	99.8	100.0	99.5	99.5	99.5	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	100.0	99.9	99.6
Heavy Trucks	0	26	1		27	3	22	0		25	0	0	0		0	0	0	1		1	53
%Heavy Trucks	0.0	0.6	0.2	0.0	0.5	0.5	0.5	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.4

Project ID: 16-9228-005
Location: Wake Forest Rd & Wake Tow
City: Raleigh

PEAK HOURS

Day: Tuesday
Date: 5/3/2016

AM

	Wake Forest Rd Northbound				Wake Forest Rd Southbound				Wake Towne Dr Eastbound				Wake Towne Dr Westbound				
Start Time	Left	Thru	Rgt	App. Total	Left	Thru	Rgt	App. Total	Left	Thru	Rgt	App. Total	Left	Thru	Rgt	App. Total	Int. Total
Peak Hour Analysis from 07:00 AM to 09:00 AM																	
Peak Hour for Entire Intersection Begins at 08:00 AM																	
8:00 AM	21	249	16	286	19	374	25	418	24	0	23	47	5	2	2	9	760
8:15 AM	51	299	14	364	20	320	52	392	32	0	21	53	10	2	8	20	829
8:30 AM	16	219	17	252	26	337	29	392	22	0	13	35	16	0	6	22	701
8:45 AM	10	231	13	254	23	347	17	387	12	0	18	30	15	0	11	26	697
Total Volume	98	998	60	1156	88	1378	123	1589	90	0	75	165	46	4	27	77	2987
% App. Total	8.5	86.3	5.2	100	5.5	86.7	7.7	100	54.5	0.0	45.5	100	59.7	5.2	35.1	100	
PHF				0.794				0.950				0.778				0.740	
Cars, PU, Vans	98	984	60	1142	88	1369	123	1580	90	0	75	165	46	4	27	77	2964
% Cars, PU, Vans	100.0	98.6	100.0	98.8	100.0	99.3	100.0	99.4	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2
Heavy Trucks	0	14	0	14	0	9	0	9	0	0	0	0	0	0	0	0	23
%Heavy Trucks	0.0	1.4	0.0	1.2	0.0	0.7	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8

PM

	Wake Forest Rd Northbound				Wake Forest Rd Southbound				Wake Towne Dr Eastbound				Wake Towne Dr Westbound				
Start Time	Left	Thru	Rgt	App. Total	Left	Thru	Rgt	App. Total	Left	Thru	Rgt	App. Total	Left	Thru	Rgt	App. Total	Int. Total
Peak Hour Analysis from 04:00 PM to 06:00 PM																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
5:00 PM	11	417	53	481	54	300	17	371	14	1	7	22	54	2	23	79	953
5:15 PM	10	372	37	419	58	273	28	359	17	2	9	28	34	2	39	75	881
5:30 PM	15	338	54	407	60	348	31	439	36	8	124	168	21	1	28	50	1064
5:45 PM	21	371	50	442	46	307	28	381	23	5	35	63	45	1	24	70	956
Total Volume	57	1498	194	1749	218	1228	104	1550	90	16	175	281	154	6	114	274	3854
% App. Total	3.3	85.6	11.1	100	14.1	79.2	6.7	100	32.0	5.7	62.3	100	56.2	2.2	41.6	100	
PHF				0.909				0.883				0.418				0.867	
Cars, PU, Vans	57	1497	194	1748	217	1225	104	1546	90	16	175	281	154	6	114	274	3849
% Cars, PU, Vans	100.0	99.9	100.0	99.9	99.5	99.8	100.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9
Heavy Trucks	0	1	0	1	1	3	0	4	0	0	0	0	0	0	0	0	5
%Heavy Trucks	0.0	0.1	0.0	0.1	0.5	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1