Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-9380-003 **Day:** Thursday

City: Holly Springs **Date:** 10/29/2015

AM

NS/EW Streets:	NC 55			NC 55			Ralph Stevens Rd_Teal Lake Dr			Ralph Stevens Rd_Teal Lake Dr			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	1	2	1	1	1.5	0.5	1	0.5	0.5	1	0.5	0.5	
7:00 AM	9	517	0	6	127	1	3	0	3	4	0	19	689
7:15 AM	4	492	3	7	127	1	0	0	2	3	0	14	653
7:30 AM	3	459	1	3	208	4	1	0	1	4	0	20	704
7:45 AM	4	367	2	6	198	4	0	0	3	2	0	18	604
8:00 AM	6	360	0	5	168	2	0	0	2	3	0	11	557
8:15 AM	2	351	0	10	157	5	1	0	3	2	0	9	540
8:30 AM	1	332	1	9	207	0	4	0	1	4	0	5	564
8:45 AM	4	273	2	4	192	3	0	0	2	5	0	2	487
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	33	3151	9	50	1384	20	9	0	17	27	0	98	4798
APPROACH %'s :	1.03%	98.68%	0.28%	3.44%	95.19%	1.38%	34.62%	0.00%	65.38%	21.60%	0.00%	78.40%	
PEAK HR START TIME :	700 AM												TOTAL
PEAK HR VOL :	20	1835	6	22	660	10	4	0	9	13	0	71	2650
PEAK HR FACTOR :		0.885			0.805			0.542			0.875		0.941

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-9380-003 **Day:** Thursday

City: Holly Springs **Date:** 10/29/2015

PM

NS/EW Streets:	NC 55			NC 55			Ralph Stevens Rd_Teal Lake Dr			Ralph Stevens Rd_Teal Lake Dr			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	1	2	1	1	1.5	0.5	1	0.5	0.5	1	0.5	0.5	
4:00 PM	8	250	6	17	383	2	1	0	3	2	0	7	679
4:15 PM	3	236	4	18	401	3	3	0	7	2	0	4	681
4:30 PM	1	228	3	12	394	1	1	1	8	1	1	9	660
4:45 PM	4	240	2	21	420	1	2	1	7	2	0	5	705
5:00 PM	4	255	1	21	471	1	0	4	16	4	0	6	783
5:15 PM	4	239	4	30	392	4	4	1	16	6	0	11	711
5:30 PM	2	284	3	15	461	1	2	2	17	1	0	10	798
5:45 PM	3	217	10	13	397	0	5	1	11	3	1	4	665
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	29	1949	33	147	3319	13	18	10	85	21	2	56	5682
APPROACH %'s :	1.44%	96.92%	1.64%	4.23%	95.40%	0.37%	15.93%	8.85%	75.22%	26.58%	2.53%	70.89%	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	14	1018	10	87	1744	7	8	8	56	13	0	32	2997
PEAK HR FACTOR :		0.901			0.932			0.857			0.662		0.939

CONTROL : Signalized

ITM Peak Hour Summary

Prepared by:

NDS

NC 55 and Ralph Stevens Rd Teal Lake Dr , Holly Springs

Date: 10/29/2015

Day: Thursday

Project #: 15-9380-003

City: Holly Springs

AM Peak Hour	700 AM
NOON Peak Hour	
PM Peak Hour	445 PM

Ralph Stevens Rd_Teal Lake Dr

NC 55

Peak Hour Summary

Southbound Approach

Lanes	0.5	1.5	1		
AM	10	660	22	1910	AM
NOON	0	0	0	0	NOON
PM	7	1744	87	1058	PM

Eastbound Approach

Lanes	AM	NOON	PM
	30	0	21
1	4	0	8
0.5	0	0	8
0.5	9	0	56

Westbound Approach

Lanes	AM	NOON	PM
0.5	71	0	32
0.5	0	0	0
1	13	0	13
	28	0	105

CONTROL

Signalized

Northbound Approach

AM	682	20	1835	6	AM
NOON	0	0	0	0	NOON
PM	1813	14	1018	10	PM
Lanes		1	2	1	Lanes

Count Periods	Start	End
AM	7:00 AM	9:00 AM
NOON	NONE	NONE
PM	4:00 PM	6:00 PM

Total Ins & Outs

	AM	NOON	PM
North Leg	692	0	1838
	1910	0	1058
West Leg	30	0	21
	13	0	72
East Leg	84	0	45
	28	0	105
South Leg	682	0	1813
	1861	0	1042

Total Volume Per Leg

	AM	NOON	PM
North Leg	2602	0	2896
West Leg	43	0	93
East Leg	112	0	150
South Leg	2543	0	2855

Project ID: 15-9380-003
Location: NC 55 & Ralph Stevens Rd_Teal Lake Dr
City: Holly Springs

Day: Thursday
Date: 10/29/2015

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

Groups Printed - Cars, PU, Vans - Heavy Trucks

	NC 55 Southbound					Ralph Stevens Rd_Teal Lake Dr Westbound					NC 55 Northbound					Ralph Stevens Rd_Teal Lake Dr Eastbound					
Start Time	Rgt	Thru	Left	Peds	App. Total	Rgt	Thru	Left	Peds	App. Total	Rgt	Thru	Left	Peds	App. Total	Rgt	Thru	Left	Peds	App. Total	Int. Total
7:00 AM	1	127	6	0	134	19	0	4	0	23	0	517	9	0	526	3	0	3	0	6	689
7:15 AM	1	127	7	0	135	14	0	3	0	17	3	492	4	0	499	2	0	0	0	2	653
7:30 AM	4	208	3	0	215	20	0	4	0	24	1	459	3	0	463	1	0	1	0	2	704
7:45 AM	4	198	6	0	208	18	0	2	0	20	2	367	4	0	373	3	0	0	0	3	604
Total	10	660	22	0	692	71	0	13	0	84	6	1835	20	0	1861	9	0	4	0	13	2650
8:00 AM	2	168	5	0	175	11	0	3	0	14	0	360	6	0	366	2	0	0	0	2	557
8:15 AM	5	157	10	0	172	9	0	2	0	11	0	351	2	0	353	3	0	1	0	4	540
8:30 AM	0	207	9	0	216	5	0	4	0	9	1	332	1	0	334	1	0	4	0	5	564
8:45 AM	3	192	4	0	199	2	0	5	0	7	2	273	4	0	279	2	0	0	0	2	487
Total	10	724	28	0	762	27	0	14	0	41	3	1316	13	0	1332	8	0	5	0	13	2148
BREAK																					
4:00 PM	2	383	17	0	402	7	0	2	0	9	6	250	8	0	264	3	0	1	0	4	679
4:15 PM	3	401	18	0	422	4	0	2	0	6	4	236	3	0	243	7	0	3	0	10	681
4:30 PM	1	394	12	0	407	9	1	1	0	11	3	228	1	0	232	8	1	1	0	10	660
4:45 PM	1	420	21	0	442	5	0	2	0	7	2	240	4	0	246	7	1	2	0	10	705
Total	7	1598	68	0	1673	25	1	7	0	33	15	954	16	0	985	25	2	7	0	34	2725
5:00 PM	1	471	21	0	493	6	0	4	0	10	1	255	4	0	260	16	4	0	0	20	783
5:15 PM	4	392	30	0	426	11	0	6	0	17	4	239	4	0	247	16	1	4	0	21	711
5:30 PM	1	461	15	0	477	10	0	1	0	11	3	284	2	0	289	17	2	2	0	21	798
5:45 PM	0	397	13	0	410	4	1	3	0	8	10	217	3	0	230	11	1	5	0	17	665
Total	6	1721	79	0	1806	31	1	14	0	46	18	995	13	0	1026	60	8	11	0	79	2957
Grand Total	33	4703	197	0	4933	154	2	48	0	204	42	5100	62	0	5204	102	10	27	0	139	10480
Apprch %	0.7	95.3	4.0	0.0		75.5	1.0	23.5	0.0		0.8	98.0	1.2	0.0		73.4	7.2	19.4	0.0		
Total %	0.3	44.9	1.9	0.0	47.1	1.5	0.0	0.5	0.0	1.9	0.4	48.7	0.6	0.0	49.7	1.0	0.1	0.3	0.0	1.3	
Cars, PU, Vans	33	4703	197	0	4933	154	2	48	0	204	42	5100	62	0	5204	102	10	27	0	139	10480
% Cars, PU, Vans	####	####	####	0.0	100.0	####	####	100.0	0.0	100.0	####	100.0	####	0.0	100.0	100.0	100.0	####	0.0	100.0	100.0
Heavy Trucks	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0
%Heavy Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Project ID: 15-9380-003
Location: NC 55 & Ralph Stevens I
City: Holly Springs

PEAK HOURS

Day: Thursday
Date: 10/29/2015

AM

	NC 55 Southbound				lph Stevens Rd_Teal Lake Westbound				NC 55 Northbound				lph Stevens Rd_Teal Lake Eastbound				
Start Time	Rgt	Thru	Left	App. Total	Rgt	Thru	Left	App. Total	Rgt	Thru	Left	App. Total	Rgt	Thru	Left	App. Total	Int. Total
Peak Hour Analysis from 07:00 AM to 09:00 AM																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
7:00 AM	1	127	6	134	19	0	4	23	0	517	9	526	3	0	3	6	689
7:15 AM	1	127	7	135	14	0	3	17	3	492	4	499	2	0	0	2	653
7:30 AM	4	208	3	215	20	0	4	24	1	459	3	463	1	0	1	2	704
7:45 AM	4	198	6	208	18	0	2	20	2	367	4	373	3	0	0	3	604
Total Volume	10	660	22	692	71	0	13	84	6	1835	20	1861	9	0	4	13	2650
% App. Total	1.4	95.4	3.2	100	84.5	0.0	15.5	100	0.3	98.6	1.1	100	69.2	0.0	30.8	100	
PHF				0.805				0.875				0.885				0.542	
Cars, PU, Vans	10	660	22	692	71	0	13	84	6	1835	20	1861	9	0	4	13	2650
% Cars, PU, Vans	####	####	####	100.0	100.0	0.0	####	100.0	####	100.0	####	100.0	####	0.0	100.0	100.0	100.0
Heavy Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
%Heavy Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PM

	NC 55 Southbound				lph Stevens Rd_Teal Lake Westbound				NC 55 Northbound				lph Stevens Rd_Teal Lake Eastbound				
Start Time	Rgt	Thru	Left	App. Total	Rgt	Thru	Left	App. Total	Rgt	Thru	Left	App. Total	Rgt	Thru	Left	App. Total	Int. Total
Peak Hour Analysis from 04:00 PM to 06:00 PM																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
4:45 PM	1	420	21	442	5	0	2	7	2	240	4	246	7	1	2	10	705
5:00 PM	1	471	21	493	6	0	4	10	1	255	4	260	16	4	0	20	783
5:15 PM	4	392	30	426	11	0	6	17	4	239	4	247	16	1	4	21	711
5:30 PM	1	461	15	477	10	0	1	11	3	284	2	289	17	2	2	21	798
Total Volume	7	1744	87	1838	32	0	13	45	10	1018	14	1042	56	8	8	72	2997
% App. Total	0.4	94.9	4.7	100	71.1	0.0	28.9	100	1.0	97.7	1.3	100	77.8	11.1	11.1	100	
PHF				0.932				0.662				0.901				0.857	
Cars, PU, Vans	7	1744	87	1838	32	0	13	45	10	1018	14	1042	56	8	8	72	2997
% Cars, PU, Vans	####	####	####	100.0	100.0	0.0	####	100.0	####	100.0	####	100.0	####	####	100.0	100.0	100.0
Heavy Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
%Heavy Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0