RAMEY KEMP & ASSOCIATES
TRANSPORTATION ENGINEERS
5808 Faringdon Place, Suite 100
Raleigh, NC 27609
PH: 919 872-5115

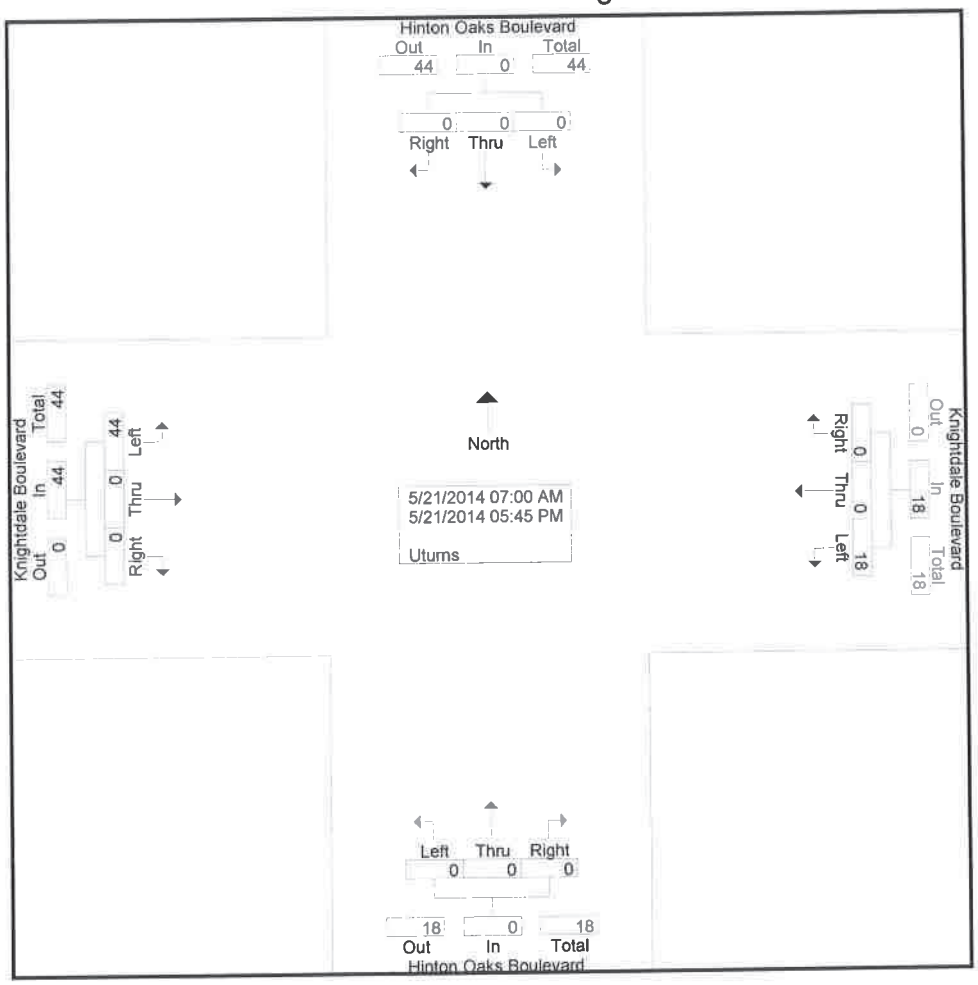
File Name : Knightdale Blvd & Hinton Oaks Blvd
Site Code : 00052114
Start Date : 5/21/2014
Page No : 1

Groups Printed- Uturns

	Hinton Oaks Boulevard Southbound				Knightdale Boulevard Westbound				Hinton Oaks Boulevard Northbound				Knightdale Boulevard Eastbound						
Start Time	Right	Thru	Left	Trks	Right	Thru	Left	Trks	Right	Thru	Left	Trks	Right	Thru	Left	Trks	Exclu Total	Inclu Total	Int. Total
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
07:45 AM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	2
Total	0	0	0	0	0	0	2	0	0	0	0	0	0	0	4	0	0	6	6
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
08:15 AM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	4	4
** BREAK**																			
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Total	0	0	0	0	0	0	2	0	0	0	0	0	0	0	7	0	0	9	9
** BREAK**																			
04:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	4	4
04:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	0	0	6	6
04:30 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	2	2
04:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	4	4
Total	0	0	0	0	0	0	4	0	0	0	0	0	0	0	12	0	0	16	16
05:00 PM	0	0	0	0	0	0	3	0	0	0	0	0	0	0	7	0	0	10	10
05:15 PM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3	0	0	5	5
05:30 PM	0	0	0	0	0	0	3	0	0	0	0	0	0	0	4	0	0	7	7
05:45 PM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	7	0	0	9	9
Total	0	0	0	0	0	0	10	0	0	0	0	0	0	0	21	0	0	31	31
Grand Total	0	0	0	0	0	0	18	0	0	0	0	0	0	0	44	0	0	62	62
Apprch %	0	0	0		0	0	100		0	0	0		0	0	100				
Total %	0	0	0		0	0	29		0	0	0		0	0	71		0	100	

RAMEY KEMP & ASSOCIATES
TRANSPORTATION ENGINEERS
5808 Faringdon Place, Suite 100
Raleigh, NC 27609
PH: 919 872-5115

File Name : Knightdale Blvd & Hinton Oaks Blvd
Site Code : 00052114
Start Date : 5/21/2014
Page No : 2



RAMEY KEMP & ASSOCIATES
TRANSPORTATION ENGINEERS
5808 Faringdon Place, Suite 100
Raleigh, NC 27609
PH: 919 872-5115

File Name : Knightdale Blvd & Hinton Oaks Blvd
Site Code : 00052114
Start Date : 5/21/2014
Page No : 1

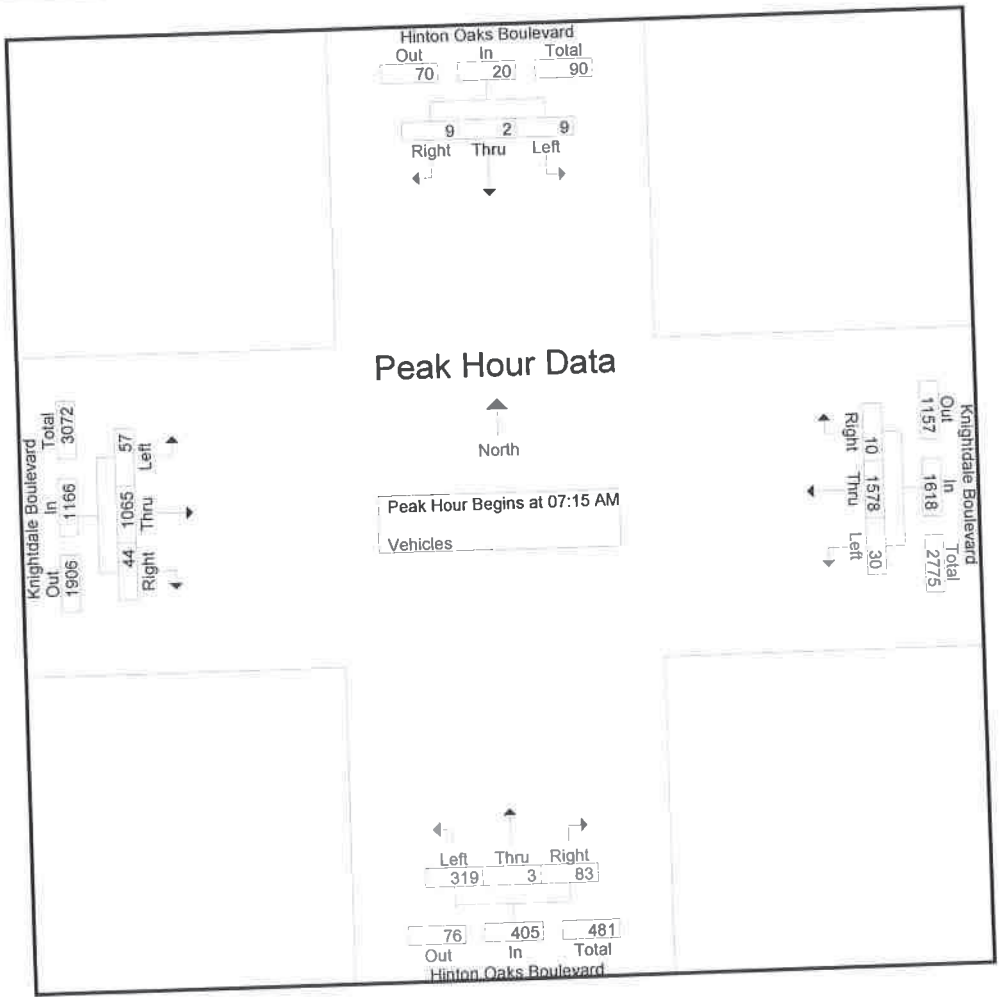
Groups Printed- Vehicles

	Hinton Oaks Boulevard Southbound				Knightdale Boulevard Westbound				Hinton Oaks Boulevard Northbound				Knightdale Boulevard Eastbound						
Start Time	Right	Thru	Left	Trks	Right	Thru	Left	Trks	Right	Thru	Left	Trks	Right	Thru	Left	Trks	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	3	1	1	1	1	314	6	20	21	7	75	0	9	174	20	19	40	632	672
07:15 AM	3	0	3	2	0	399	5	11	12	0	89	0	14	213	8	23	36	746	782
07:30 AM	4	1	4	0	3	398	8	19	22	0	77	0	14	244	11	15	34	786	820
07:45 AM	2	0	2	0	3	420	12	18	31	3	85	1	7	354	15	18	37	934	971
Total	12	2	10	3	7	1531	31	68	86	10	326	1	44	985	54	75	147	3098	3245
08:00 AM	0	1	0	0	4	361	5	22	18	0	68	0	9	254	23	11	33	743	776
08:15 AM	4	1	0	1	3	334	15	14	12	1	72	0	21	207	36	12	27	706	733
08:30 AM	5	1	3	0	2	335	7	14	18	1	54	0	15	271	32	16	30	744	774
08:45 AM	5	0	2	0	8	260	4	14	7	0	29	0	14	253	40	18	32	622	654
Total	14	3	5	1	17	1290	31	64	55	2	223	0	59	985	131	57	122	2815	2937
** BREAK**																			
04:00 PM	13	3	15	0	16	318	9	11	12	9	31	1	16	375	68	5	17	885	902
04:15 PM	15	4	21	0	9	285	10	9	13	6	27	1	23	383	82	7	17	878	895
04:30 PM	18	4	17	0	7	300	11	8	15	3	27	1	32	402	66	8	17	902	919
04:45 PM	14	4	22	0	10	297	14	7	14	6	26	1	21	456	95	3	11	979	990
Total	60	15	75	0	42	1200	44	35	54	24	111	4	92	1616	311	23	62	3644	3706
05:00 PM	15	5	33	0	14	309	15	3	19	9	49	0	26	427	92	2	5	1013	1018
05:15 PM	17	4	27	0	13	396	7	3	20	4	27	0	33	520	78	1	4	1146	1150
05:30 PM	24	3	24	1	12	317	9	3	20	8	48	0	40	487	114	5	9	1106	1115
05:45 PM	18	6	32	0	11	346	14	1	22	5	29	0	43	493	94	8	9	1113	1122
Total	74	18	116	1	50	1368	45	10	81	26	153	0	142	1927	378	16	27	4378	4405
Grand Total	160	38	206	5	116	5389	151	177	276	62	813	5	337	5513	874	171	358	13935	14293
Apprch %	39.6	9.4	51		2.1	95.3	2.7		24	5.4	70.6		5	82	13		2.5	97.5	
Total %	1.1	0.3	1.5		0.8	38.7	1.1		2	0.4	5.8		2.4	39.6	6.3				

RAMEY KEMP & ASSOCIATES
TRANSPORTATION ENGINEERS
5808 Faringdon Place, Suite 100
Raleigh, NC 27609
PH: 919 872-5115

File Name : Knightdale Blvd & Hinton Oaks Blvd
Site Code : 00052114
Start Date : 5/21/2014
Page No : 2

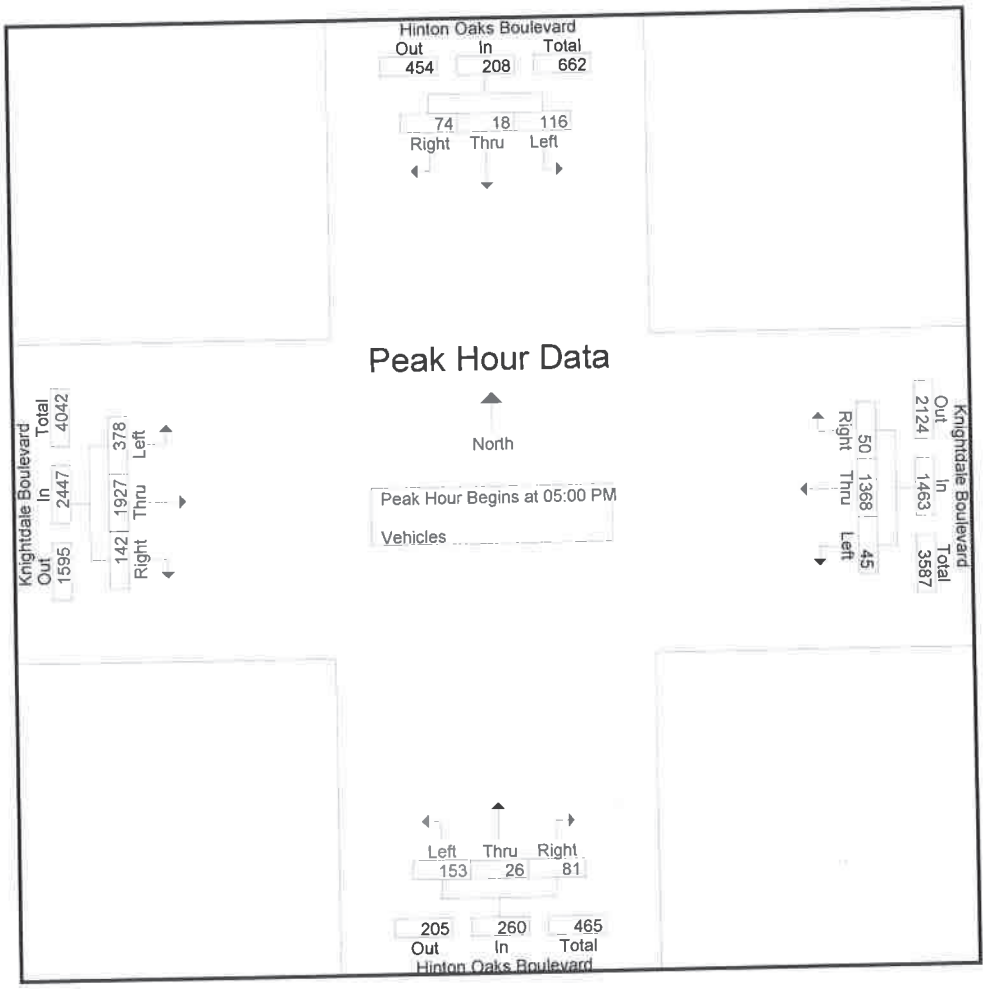
	Hinton Oaks Boulevard Southbound				Knightdale Boulevard Westbound				Hinton Oaks Boulevard Northbound				Knightdale Boulevard Eastbound				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 11:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	3	0	3	6	0	399	5	404	12	0	**89**	101	**14**	213	8	235	746
07:30 AM	**4**	**1**	**4**	**9**	3	398	8	409	22	0	77	99	14	244	11	269	786
07:45 AM	2	0	2	4	3	**420**	**12**	**435**	**31**	**3**	85	**119**	7	**354**	15	**376**	**934**
08:00 AM	0	1	0	1	**4**	361	5	370	18	0	68	86	9	254	**23**	286	743
Total Volume	9	2	9	20	10	1578	30	1618	83	3	319	405	44	1065	57	1166	3209
% App. Total	45	10	45		0.6	97.5	1.9		20.5	0.7	78.8		3.8	91.3	4.9		
PHF	.563	.500	.563	.556	.625	.939	.625	.930	.669	.250	.896	.851	.786	.752	.620	.775	.859



RAMEY KEMP & ASSOCIATES
TRANSPORTATION ENGINEERS
5808 Faringdon Place, Suite 100
Raleigh, NC 27609
PH: 919 872-5115

File Name : Knightdale Blvd & Hinton Oaks Blvd
Site Code : 00052114
Start Date : 5/21/2014
Page No : 3

	Hinton Oaks Boulevard Southbound				Knightdale Boulevard Westbound				Hinton Oaks Boulevard Northbound				Knightdale Boulevard Eastbound				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	15	5	**33**	53	**14**	309	**15**	338	19	**9**	**49**	**77**	26	427	92	545	1013
05:15 PM	17	4	27	48	13	**396**	7	**416**	20	4	27	51	33	**520**	78	631	**1146**
05:30 PM	**24**	3	24	51	12	317	9	338	20	8	48	76	40	487	**114**	**641**	1106
05:45 PM	18	**6**	32	**56**	11	346	14	371	**22**	5	29	56	**43**	493	94	630	1113
Total Volume	74	18	116	208	50	1368	45	1463	81	26	153	260	142	1927	378	2447	4378
% App. Total	35.6	8.7	55.8		3.4	93.5	3.1		31.2	10	58.8		5.8	78.7	15.4		
PHF	.771	.750	.879	.929	.893	.864	.750	.879	.920	.722	.781	.844	.826	.926	.829	.954	.955



RAMEY KEMP & ASSOCIATES
TRANSPORTATION ENGINEERS
5808 Faringdon Place, Suite 100
Raleigh, NC 27609
PH: 919 872-5115

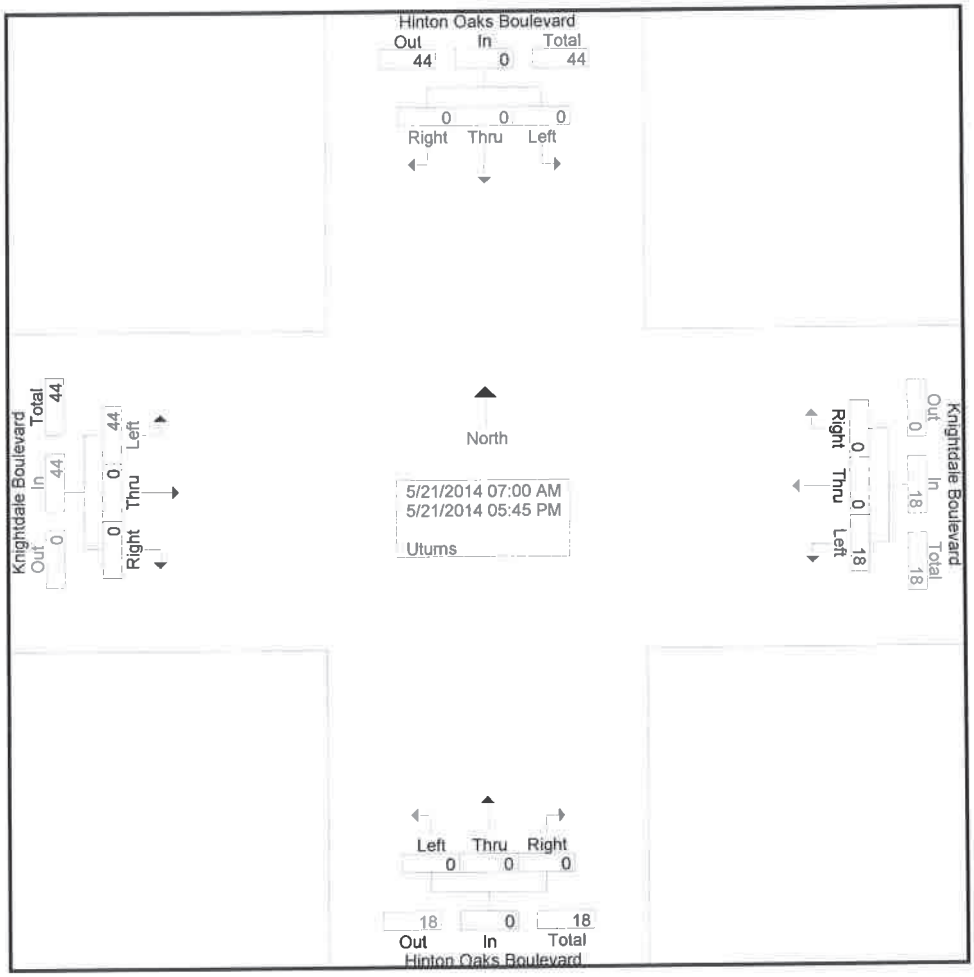
File Name : Knightdale Blvd & Hinton Oaks Blvd
Site Code : 00052114
Start Date : 5/21/2014
Page No : 1

Groups Printed- Uturns

	Hinton Oaks Boulevard Southbound				Knightdale Boulevard Westbound				Hinton Oaks Boulevard Northbound				Knightdale Boulevard Eastbound						
Start Time	Right	Thru	Left	Trks	Right	Thru	Left	Trks	Right	Thru	Left	Trks	Right	Thru	Left	Trks	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
07:45 AM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	2
Total	0	0	0	0	0	0	2	0	0	0	0	0	0	0	4	0	0	6	6
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
08:15 AM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	4	4
** BREAK**																			
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Total	0	0	0	0	0	0	2	0	0	0	0	0	0	0	7	0	0	9	9
** BREAK**																			
04:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	4	4
04:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	0	0	6	6
04:30 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	2	2
04:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	4	4
Total	0	0	0	0	0	0	4	0	0	0	0	0	0	0	12	0	0	16	16
05:00 PM	0	0	0	0	0	0	3	0	0	0	0	0	0	0	7	0	0	10	10
05:15 PM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3	0	0	5	5
05:30 PM	0	0	0	0	0	0	3	0	0	0	0	0	0	0	4	0	0	7	7
05:45 PM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	7	0	0	9	9
Total	0	0	0	0	0	0	10	0	0	0	0	0	0	0	21	0	0	31	31
Grand Total	0	0	0	0	0	0	18	0	0	0	0	0	0	0	44	0	0	62	62
Apprch %	0	0	0		0	0	100		0	0	0		0	0	100				
Total %	0	0	0		0	0	29		0	0	0		0	0	71		0	100	

RAMEY KEMP & ASSOCIATES
TRANSPORTATION ENGINEERS
5808 Faringdon Place, Suite 100
Raleigh, NC 27609
PH: 919 872-5115

File Name : Knightdale Blvd & Hinton Oaks Blvd
Site Code : 00052114
Start Date : 5/21/2014
Page No : 2



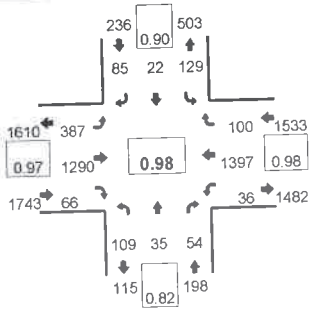
Type of peak hour being reported: Intersection Peak

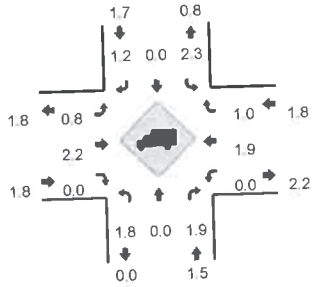
Method for determining peak hour: Total Entering Volume

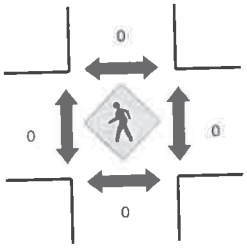
LOCATION: Hinton Oaks Blvd -- Knightdale Blvd
CITY/STATE: Knightdale, NC

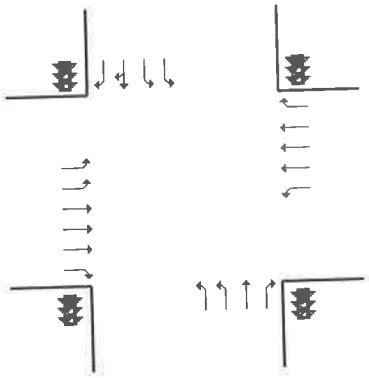
QC JOB #: 12618302
DATE: Sat, Jun 07 2014

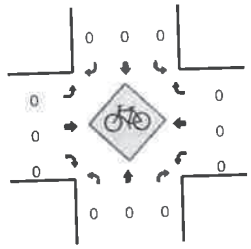
Peak-Hour: 12:30 PM -- 1:30 PM
Peak 15-Min: 12:30 PM -- 12:45 PM

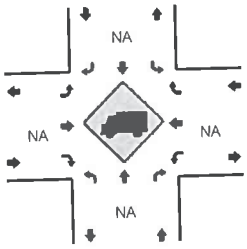


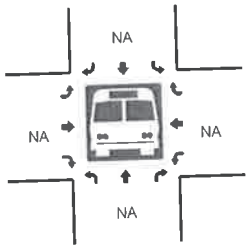












15-Min Count Period Beginning At	Hinton Oaks Blvd (Northbound)				Hinton Oaks Blvd (Southbound)				Knightdale Blvd (Eastbound)				Knightdale Blvd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
12:00 PM	30	6	21	0	28	3	15	0	76	293	11	2	16	321	22	5	849	
12:15 PM	25	3	12	0	28	4	21	0	101	295	7	6	3	314	33	1	853	
12:30 PM	36	13	13	0	35	5	16	0	98	328	17	2	11	346	28	2	950	
12:45 PM	24	9	12	0	27	7	19	0	93	335	17	4	2	364	24	1	938	3590
1:00 PM	24	9	15	0	31	6	22	0	101	307	15	9	6	330	24	4	903	3644
1:15 PM	25	4	14	0	36	4	28	0	76	320	17	4	8	357	24	2	919	3710
1:30 PM	25	4	12	0	38	5	23	0	86	338	14	2	11	324	25	1	908	3668
1:45 PM	24	5	19	0	24	1	16	0	74	305	4	5	7	329	26	3	842	3572

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	144	52	52	0	140	20	64	0	392	1312	68	8	44	1384	112	8	3800
Heavy Trucks	8	0	4		0	0	0		0	12	0		0	36	0		60
Pedestrians		0				0				0				0			0
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0
Railroad																	
Stopped Buses																	

Comments:

Report generated on 6/11/2014 2:30 PM

SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212