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

File Name : Knightdale Blvd & I 540 NB Ramps
Site Code : 00052714
Start Date : 5/27/2014
Page No : 1

Groups Printed- Uturns

	I-540 NB Ramp Southbound				Knightdale Blvd Westbound				I-540 NB Ramp Northbound				Knightdale Blvd 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
** BREAK**																			
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
** BREAK**																			
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
** BREAK**																			
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
** BREAK**																			
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Apprch %	0	0	0		0	0	0		0	0	0		0	0	100				
Total %	0	0	0		0	0	0		0	0	0		0	0	100		0	100	

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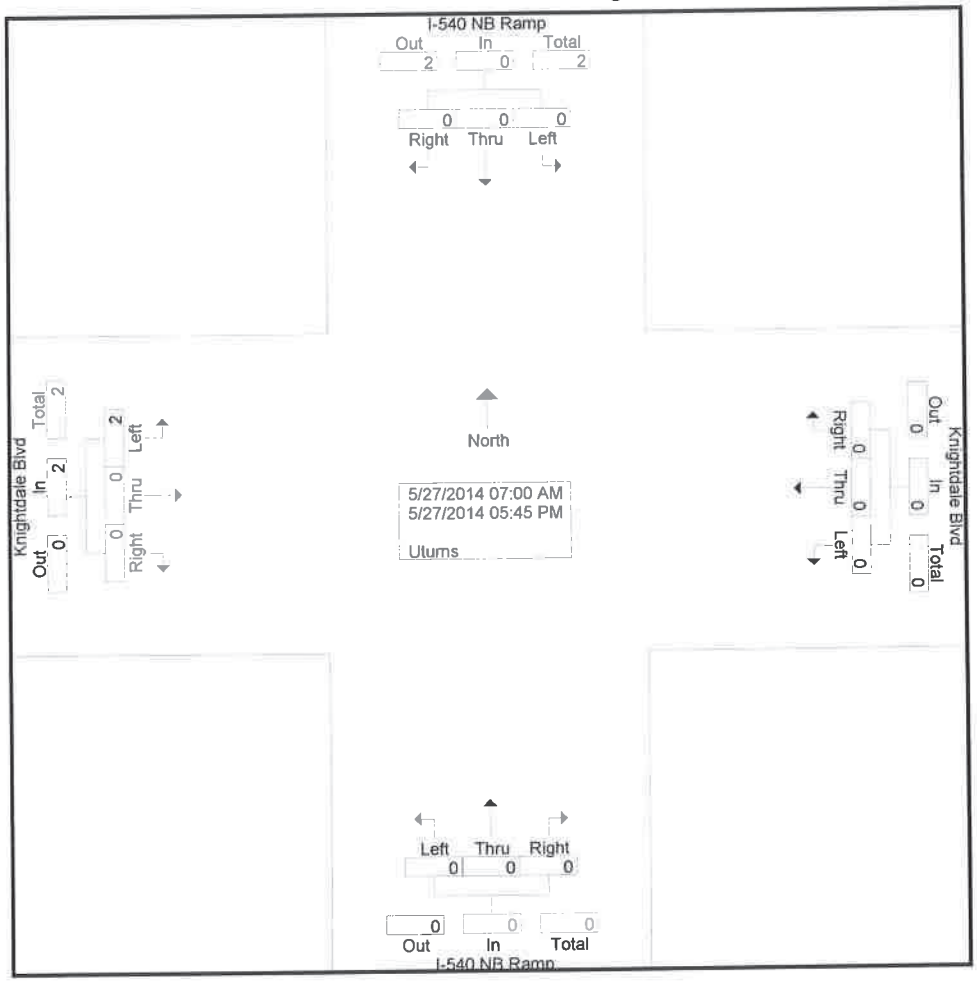
Site Code : 00052714
Start Date : 5/27/2014
Page No : 2



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File Name : Knightdale Blvd & I 540 NB Ramps
Site Code : 00052714
Start Date : 5/27/2014
Page No : 1

Groups Printed- Vehicles

	I-540 NB Ramp Southbound				Knightdale Blvd Westbound				I-540 NB Ramp Northbound				Knightdale Blvd 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	124	0	0	4	38	0	6	1	0	0	83	3	8	251	259
07:15 AM	0	0	0	0	160	0	0	3	57	0	11	0	0	0	89	2	5	317	322
07:30 AM	0	0	0	0	154	0	0	0	54	0	10	2	0	0	95	2	4	313	317
07:45 AM	0	0	0	0	106	0	0	3	61	0	13	2	0	0	100	3	8	280	288
Total	0	0	0	0	544	0	0	10	210	0	40	5	0	0	367	10	25	1161	1186
08:00 AM	0	0	0	0	126	0	0	6	56	0	12	2	0	0	68	1	9	262	271
08:15 AM	0	0	0	0	105	0	0	4	63	0	10	6	0	0	82	3	13	260	273
08:30 AM	0	0	0	0	97	0	0	6	55	0	15	10	0	0	72	0	16	239	255
08:45 AM	0	0	0	0	84	0	0	2	55	0	6	0	0	0	74	2	4	219	223
Total	0	0	0	0	412	0	0	18	229	0	43	18	0	0	296	6	42	980	1022
** BREAK**																			
04:00 PM	0	0	0	0	81	0	0	5	103	0	15	2	0	0	39	0	7	238	245
04:15 PM	0	0	0	0	100	0	0	4	95	0	8	3	0	0	64	0	7	267	274
04:30 PM	0	0	0	0	72	0	0	5	109	0	14	1	0	0	57	1	7	252	259
04:45 PM	0	0	0	0	107	0	0	4	120	0	7	1	0	0	56	3	8	290	298
Total	0	0	0	0	360	0	0	18	427	0	44	7	0	0	216	4	29	1047	1076
05:00 PM	0	0	0	0	126	0	0	3	120	0	13	0	0	0	89	0	3	348	351
05:15 PM	0	0	0	0	108	0	0	4	94	0	7	3	0	0	76	1	8	285	293
05:30 PM	0	0	0	0	113	0	0	3	146	0	14	1	0	0	76	0	4	349	353
05:45 PM	0	0	0	0	91	0	0	3	146	0	6	1	0	0	72	2	6	315	321
Total	0	0	0	0	438	0	0	13	506	0	40	5	0	0	313	3	21	1297	1318
Grand Total	0	0	0	0	1754	0	0	59	1372	0	167	35	0	0	1192	23	117	4485	4602
Apprch %	0	0	0		100	0	0		89.1	0	10.9		0	0	100				
Total %	0	0	0		39.1	0	0		30.6	0	3.7		0	0	26.6		2.5	97.5	

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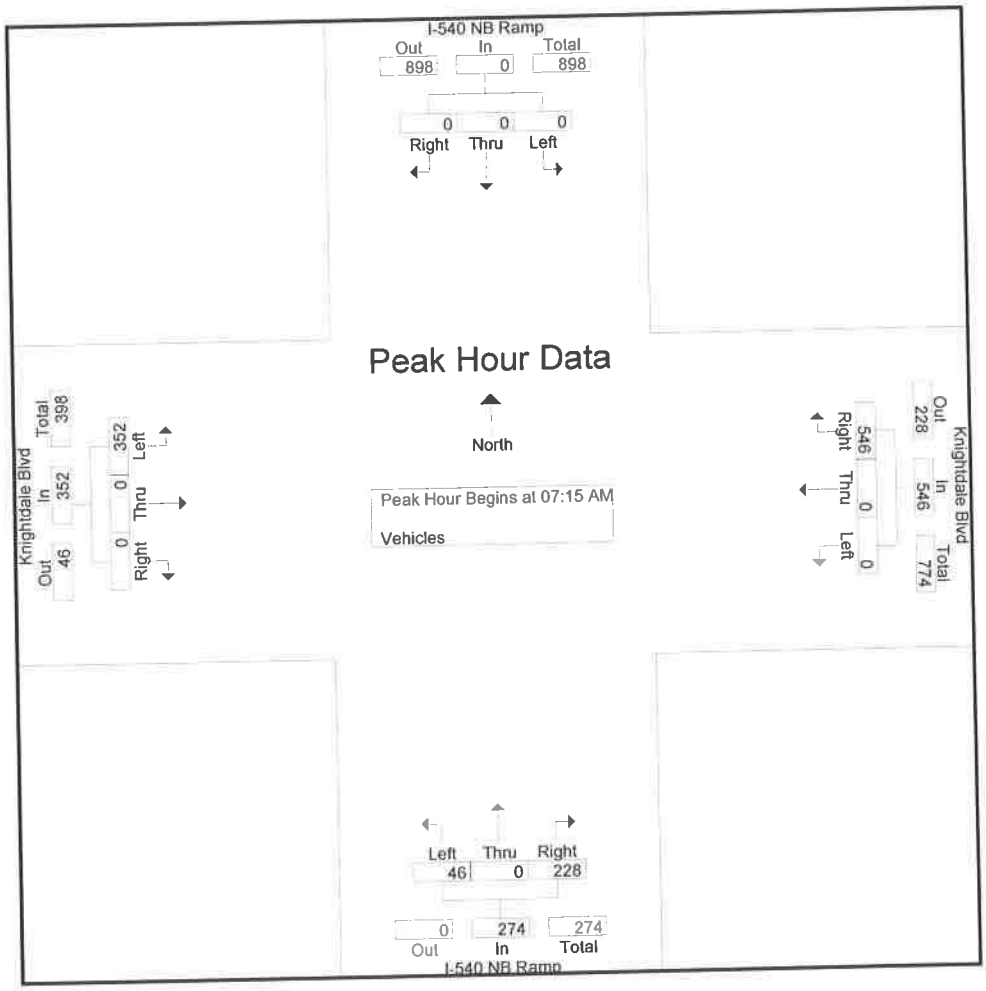
Site Code : 00052714
Start Date : 5/27/2014
Page No : 2

	I-540 NB Ramp Southbound				Knightdale Blvd Westbound				I-540 NB Ramp Northbound				Knightdale Blvd 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	0	0	0	0	**160**	0	0	**160**	57	0	11	68	0	0	89	89	**317**
07:30 AM	0	0	0	0	154	0	0	154	54	0	10	64	0	0	95	95	313
07:45 AM	0	0	0	0	106	0	0	106	**61**	0	**13**	**74**	0	0	**100**	**100**	280
08:00 AM	0	0	0	0	126	0	0	126	56	0	12	68	0	0	68	68	262
Total Volume	0	0	0	0	546	0	0	546	228	0	46	274	0	0	352	352	1172
% App. Total	0	0	0		100	0	0		83.2	0	16.8		0	0	100		
PHF	.000	.000	.000	.000	.853	.000	.000	.853	.934	.000	.885	.926	.000	.000	.880	.880	.924



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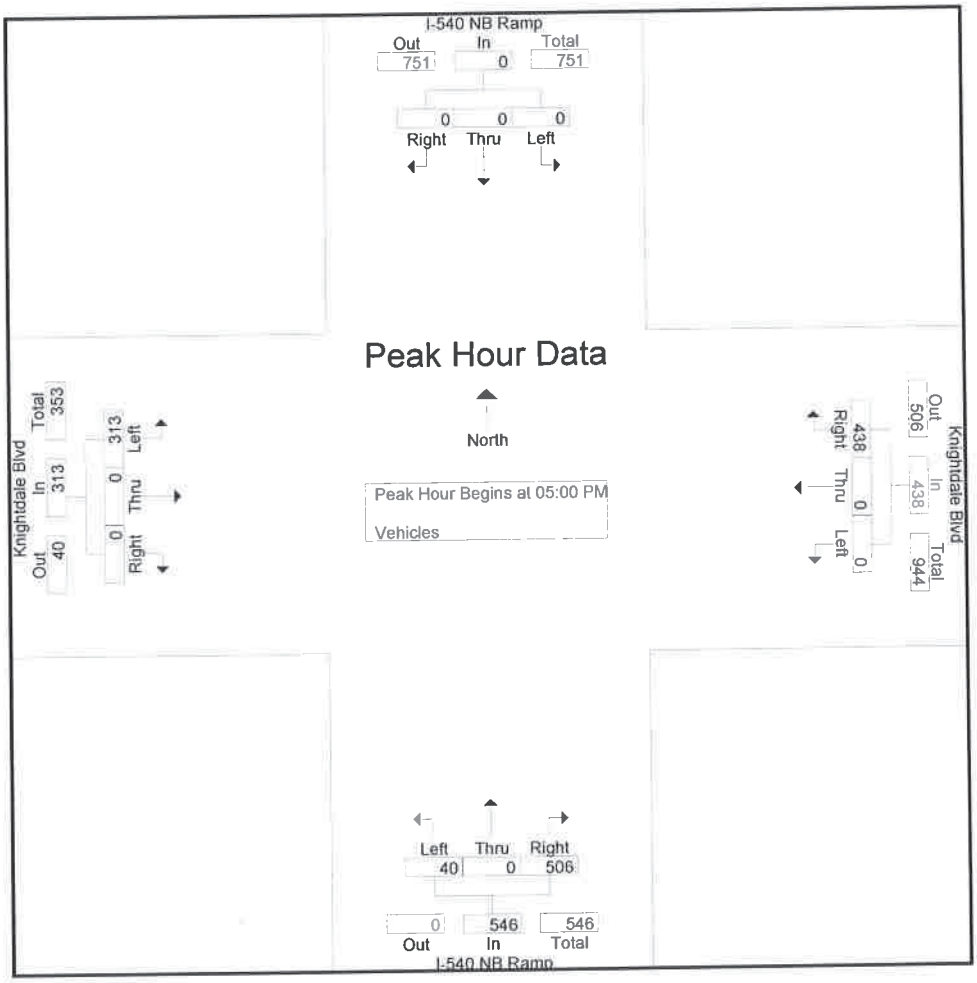
File Name : Knightdale Blvd & I 540 NB Ramps
Site Code : 00052714
Start Date : 5/27/2014
Page No : 3

	I-540 NB Ramp Southbound				Knightdale Blvd Westbound				I-540 NB Ramp Northbound				Knightdale Blvd 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	0	0	0	0	**126**	0	0	**126**	120	0	13	133	0	0	**89**	**89**	348
05:15 PM	0	0	0	0	108	0	0	108	94	0	7	101	0	0	76	76	285
05:30 PM	0	0	0	0	113	0	0	113	**146**	0	**14**	**160**	0	0	76	76	**349**
05:45 PM	0	0	0	0	91	0	0	91	146	0	6	152	0	0	72	72	315
Total Volume	0	0	0	0	438	0	0	438	506	0	40	546	0	0	313	313	1297
% App. Total	0	0	0		100	0	0		92.7	0	7.3		0	0	100		
PHF	.000	.000	.000	.000	.869	.000	.000	.869	.866	.000	.714	.853	.000	.000	.879	.879	.929



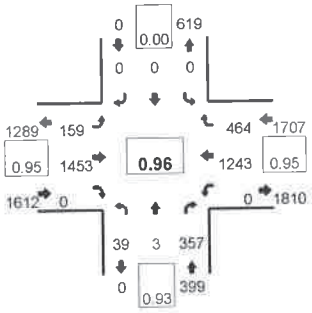
Type of peak hour being reported: Intersection Peak

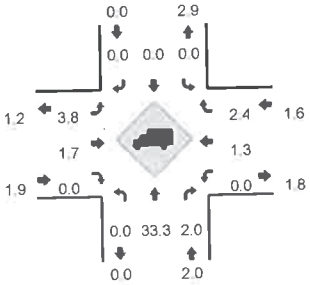
Method for determining peak hour: Total Entering Volume

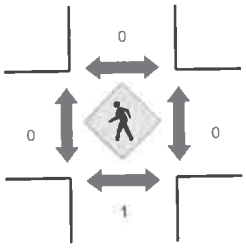
LOCATION: I-540 NB Ramps -- Knightdale Blvd
CITY/STATE: Knightdale, NC

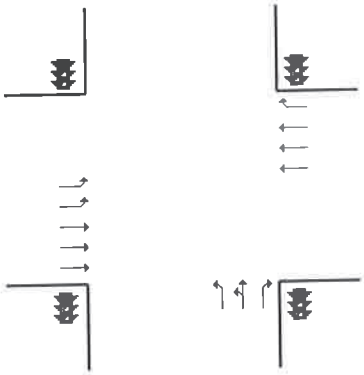
QC JOB #: 12618303
DATE: Sat, Jun 07 2014

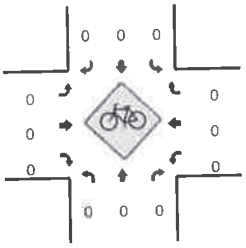
Peak-Hour: 12:30 PM -- 1:30 PM
Peak 15-Min: 12:45 PM -- 1:00 PM

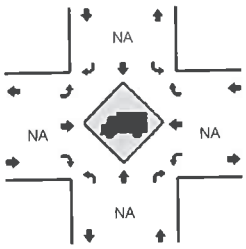


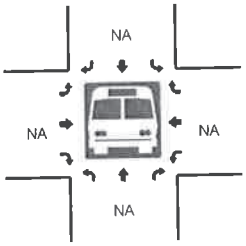












15-Min Count Period Beginning At	I-540 NB Ramps (Northbound)				I-540 NB Ramps (Southbound)				Knightdale Blvd (Eastbound)				Knightdale Blvd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
12:00 PM	14	0	72	0	0	0	0	0	24	349	0	0	0	300	96	0	855	
12:15 PM	12	0	92	0	0	0	0	0	41	321	0	0	0	296	102	0	864	
12:30 PM	11	0	97	0	0	0	0	0	42	361	0	4	0	312	114	0	941	
12:45 PM	11	1	101	0	0	0	0	0	46	386	0	1	0	306	117	0	969	3629
1:00 PM	9	1	85	0	0	0	0	0	39	349	0	0	0	305	106	0	894	3668
1:15 PM	8	1	74	0	0	0	0	0	25	357	0	2	0	320	127	0	914	3718
1:30 PM	12	0	69	0	0	0	0	0	58	375	0	0	0	310	111	0	935	3712
1:45 PM	10	1	73	0	0	0	0	0	37	337	0	2	0	286	119	0	865	3608

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	44	4	404	0	0	0	0	0	184	1544	0	4	0	1224	468	0	3876
Heavy Trucks	0	0	12		0	0	0		4	28	0		0	12	8		64
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