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

File Name : TW Alexander and Roche Dr
Site Code : 00040814
Start Date : 4/8/2014
Page No : 1

Groups Printed- turns

	Existing Driveway Southbound				TW Alexander Drive Westbound				Roche Drive Northbound				TW Alexander Drive Eastbound						
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	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
** BREAK**																			
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
** BREAK**																			
04:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
** BREAK**																			
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	2	2
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
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	5	0	0	5	5
Grand Total	0	0	0	0	0	0	1	0	0	0	0	0	0	0	7	0	0	8	8
Apprch %	0	0	0		0	0	100		0	0	0		0	0	100				
Total %	0	0	0		0	0	12.5		0	0	0		0	0	87.5		0	100	

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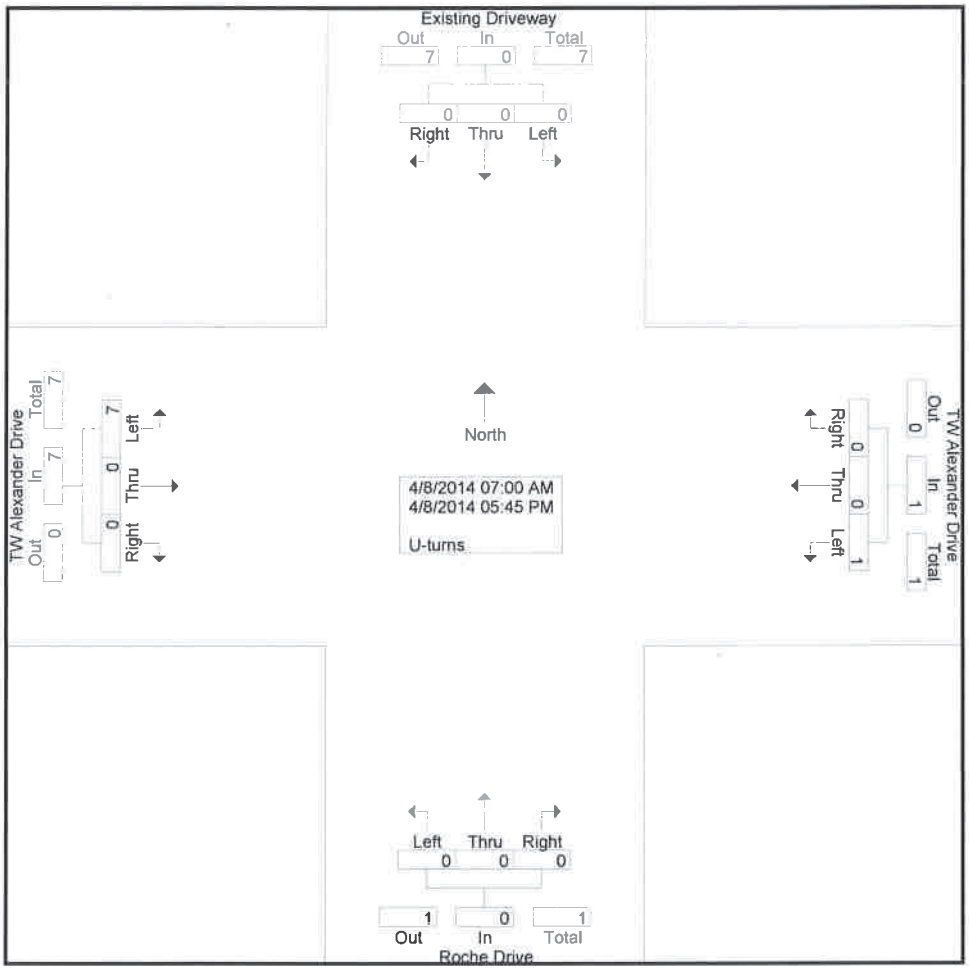
Start Date : 4/8/2014
Page No : 2



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Start Date : 4/8/2014
Page No : 1

Groups Printed- Vehicles

	Existing Driveway Southbound				TW Alexander Drive Westbound				Roche Drive Northbound				TW Alexander Drive Eastbound						
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Exclu Total	Inclu Total	Int Total
07:00 AM	0	0	0	0	1	289	4	2	0	0	0	0	0	0	3	0	2	297	299
07:15 AM	0	0	1	0	6	400	3	3	0	0	0	0	0	0	2	0	3	412	415
07:30 AM	0	0	0	0	12	492	5	4	0	0	0	0	2	0	7	0	4	518	522
07:45 AM	1	0	0	1	42	503	0	1	0	0	1	0	4	0	26	0	2	577	579
Total	1	0	1	1	61	1684	12	10	0	0	1	0	6	0	38	0	11	1804	1815
08:00 AM	2	0	1	0	35	587	1	3	0	0	0	0	0	0	13	0	3	639	642
08:15 AM	0	0	1	0	5	462	8	3	1	0	0	0	0	0	1	1	4	478	482
08:30 AM	2	0	0	1	12	435	6	2	1	0	0	0	0	0	1	0	3	457	460
08:45 AM	2	0	2	2	3	387	4	5	0	0	1	0	1	0	1	0	7	401	408
Total	6	0	4	3	55	1871	19	13	2	0	1	0	1	0	16	1	17	1975	1992
** BREAK**																			
04:00 PM	1	0	0	0	0	102	2	3	5	0	0	0	0	0	2	0	3	112	115
04:15 PM	0	0	1	0	0	121	1	2	2	0	0	0	0	0	2	1	3	127	130
04:30 PM	2	0	0	0	2	126	0	3	1	0	0	0	1	0	1	1	4	133	137
04:45 PM	6	0	4	1	4	153	0	1	7	0	3	0	0	0	2	0	2	179	181
Total	9	0	5	1	6	502	3	9	15	0	3	0	1	0	7	2	12	551	563
05:00 PM	83	0	41	1	0	129	0	0	6	0	0	0	0	0	2	0	1	261	262
05:15 PM	8	0	13	0	0	181	0	2	2	0	3	0	0	0	4	0	2	211	213
05:30 PM	7	0	3	0	4	175	1	1	4	0	1	0	0	0	3	0	1	198	199
05:45 PM	6	0	4	0	20	161	2	0	2	0	0	0	2	0	16	0	0	213	213
Total	104	0	61	1	24	646	3	3	14	0	4	0	2	0	25	0	4	883	887
Grand Total	120	0	71	6	146	4703	37	35	31	0	9	0	10	0	86	3	44	5213	5257
Apprch %	62.8	0	37.2		3	96.3	0.8		77.5	0	22.5		10.4	0	89.6				
Total %	2.3	0	1.4		2.8	90.2	0.7		0.6	0	0.2		0.2	0	1.6		0.8	99.2	

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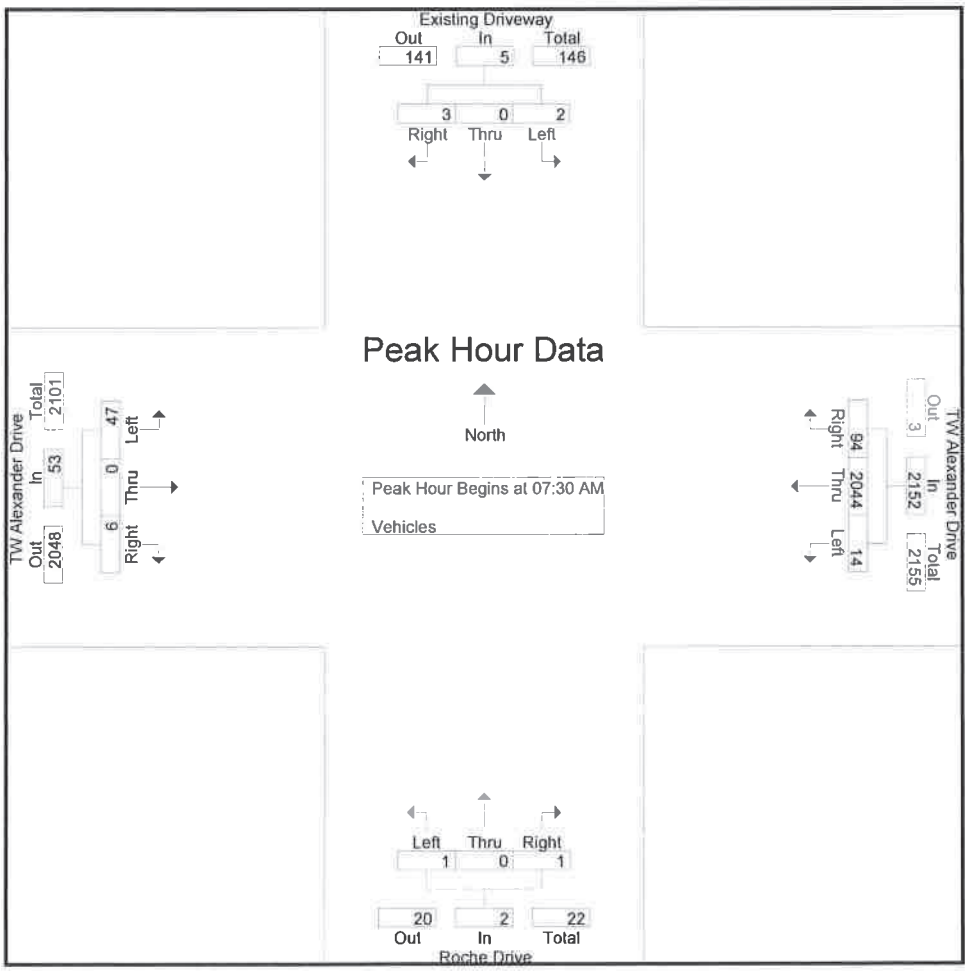
Page No : 2

	Existing Driveway Southbound				TW Alexander Drive Westbound				Roche Drive Northbound				TW Alexander Drive 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 07:30 AM																	
07:30 AM	0	0	0	0	12	492	5	509	0	0	0	0	2	0	7	9	518
07:45 AM	1	0	0	1	**42**	503	0	545	0	0	**1**	**1**	**4**	0	**26**	**30**	577
08:00 AM	**2**	0	**1**	**3**	35	**587**	1	**623**	0	0	0	0	0	0	13	13	**639**
08:15 AM	0	0	1	1	5	462	**8**	475	**1**	0	0	1	0	0	1	1	478
Total Volume	3	0	2	5	94	2044	14	2152	1	0	1	2	6	0	47	53	2212
% App. Total	60	0	40		4.4	95	0.7		50	0	50		11.3	0	88.7		
PHF	.375	.000	.500	.417	.560	.871	.438	.864	.250	.000	.250	.500	.375	.000	.452	.442	.865



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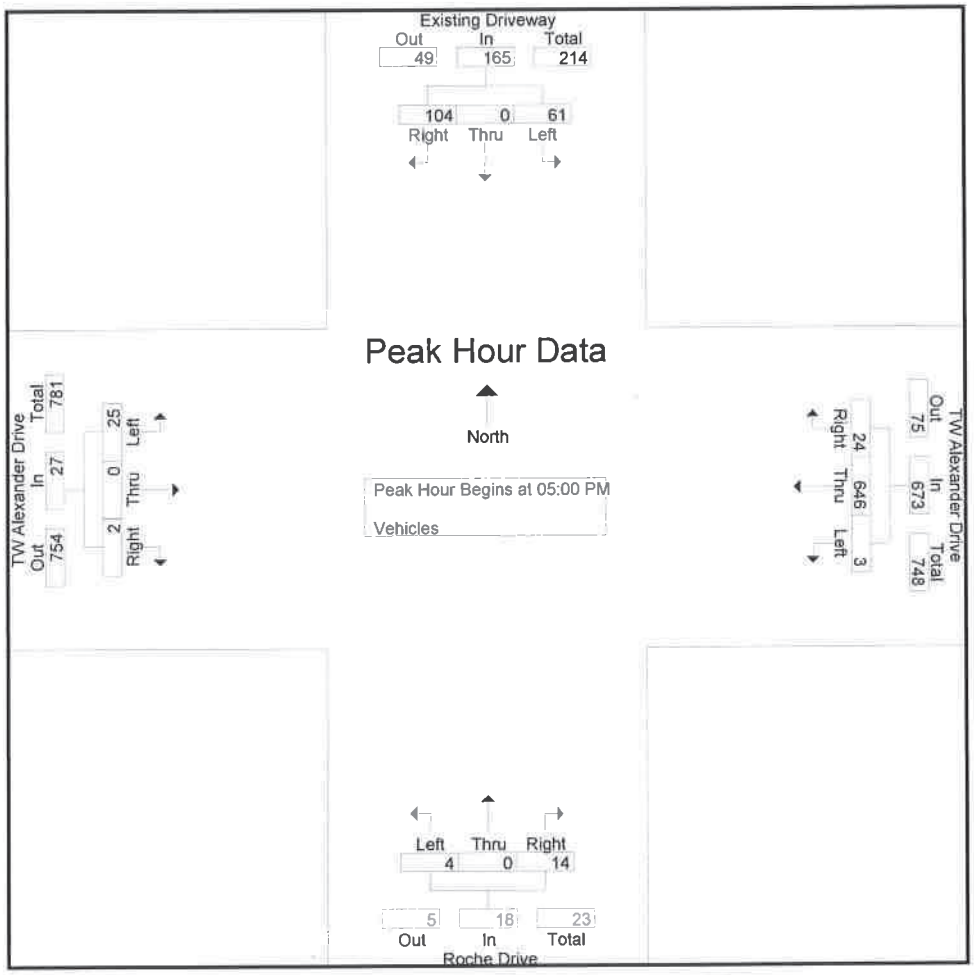
File Name : TW Alexander and Roche Dr
Site Code : 00040814
Start Date : 4/8/2014
Page No : 3

	Existing Driveway Southbound				TW Alexander Drive Westbound				Roche Drive Northbound				TW Alexander Drive 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	**83**	0	**41**	**124**	0	129	0	129	**6**	0	0	**6**	0	0	2	2	**261**
05:15 PM	8	0	13	21	0	**181**	0	181	2	0	**3**	5	0	0	4	4	211
05:30 PM	7	0	3	10	4	175	1	180	4	0	1	5	0	0	3	3	198
05:45 PM	6	0	4	10	**20**	161	**2**	**183**	2	0	0	2	**2**	0	**16**	**18**	213
Total Volume	104	0	61	165	24	646	3	673	14	0	4	18	2	0	25	27	883
% App. Total	63	0	37		3.6	96	0.4		77.8	0	22.2		7.4	0	92.6		
PHF	.313	.000	.372	.333	.300	.892	.375	.919	.583	.000	.333	.750	.250	.000	.391	.375	.846