RAMEY KEMP & ASSOCIATES
TRANSPORTATION ENGINEERS

5808 Faringdon Place, Suite 100
Raleigh, NC 27609
PH: 919 872-5115

File Name : US 401 and Raeford Rd
Site Code : 00112013
Start Date : 11/20/2013
Page No : 1

Groups Printed- Vehicles

	Raeford Road Southbound				US 401 Westbound				Two Bale Lane Northbound				US 401 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	18	0	2	1	1	101	6	4	4	7	12	0	10	249	50	1	6	460	466
07:15 AM	26	0	0	0	0	126	10	1	6	6	23	0	19	308	53	2	3	577	580
07:30 AM	33	4	4	2	3	153	13	5	7	6	27	0	18	339	76	2	9	683	692
07:45 AM	43	6	2	1	1	174	8	4	6	6	33	0	19	268	66	2	7	632	639
Total	120	10	8	4	5	554	37	14	23	25	95	0	66	1164	245	7	25	2352	2377
08:00 AM	21	10	6	0	2	132	13	4	5	15	21	0	25	265	61	3	7	576	583
08:15 AM	33	8	4	0	1	146	22	4	6	9	21	1	24	230	53	5	10	557	567
08:30 AM	14	10	2	0	1	131	9	9	11	17	31	0	22	190	52	6	15	490	505
08:45 AM	24	10	4	1	3	125	17	6	8	10	24	0	29	202	49	1	8	505	513
Total	92	38	16	1	7	534	61	23	30	51	97	1	100	887	215	15	40	2128	2168
BREAK																			
04:00 PM	68	22	8	0	2	201	23	2	13	22	45	0	23	242	46	2	4	715	719
04:15 PM	46	18	4	1	0	189	23	2	15	16	58	0	25	208	37	3	6	639	645
04:30 PM	53	12	4	0	8	201	27	0	11	7	58	0	34	237	39	7	7	691	698
04:45 PM	62	24	9	0	4	192	41	2	14	19	54	0	29	198	26	2	4	672	676
Total	229	76	25	1	14	783	114	6	53	64	215	0	111	885	148	14	21	2717	2738
05:00 PM	69	33	10	1	5	258	23	1	6	13	65	0	22	224	39	3	5	767	772
05:15 PM	65	18	8	0	2	253	28	0	8	19	58	0	16	276	52	4	4	803	807
05:30 PM	71	11	5	0	2	247	28	2	17	13	61	0	34	241	43	3	5	773	778
05:45 PM	76	14	7	0	3	241	40	5	8	12	54	0	26	242	55	2	7	778	785
Total	281	76	30	1	12	999	119	8	39	57	238	0	98	983	189	12	21	3121	3142
Grand Total	722	200	79	7	38	2870	331	51	145	197	645	1	375	3919	797	48	107	10318	10425
Apprch %	72.1	20	7.9		1.2	88.6	10.2		14.7	20	65.3		7.4	77	15.7				
Total %	7	1.9	0.8		0.4	27.8	3.2		1.4	1.9	6.3		3.6	38	7.7		1	99	

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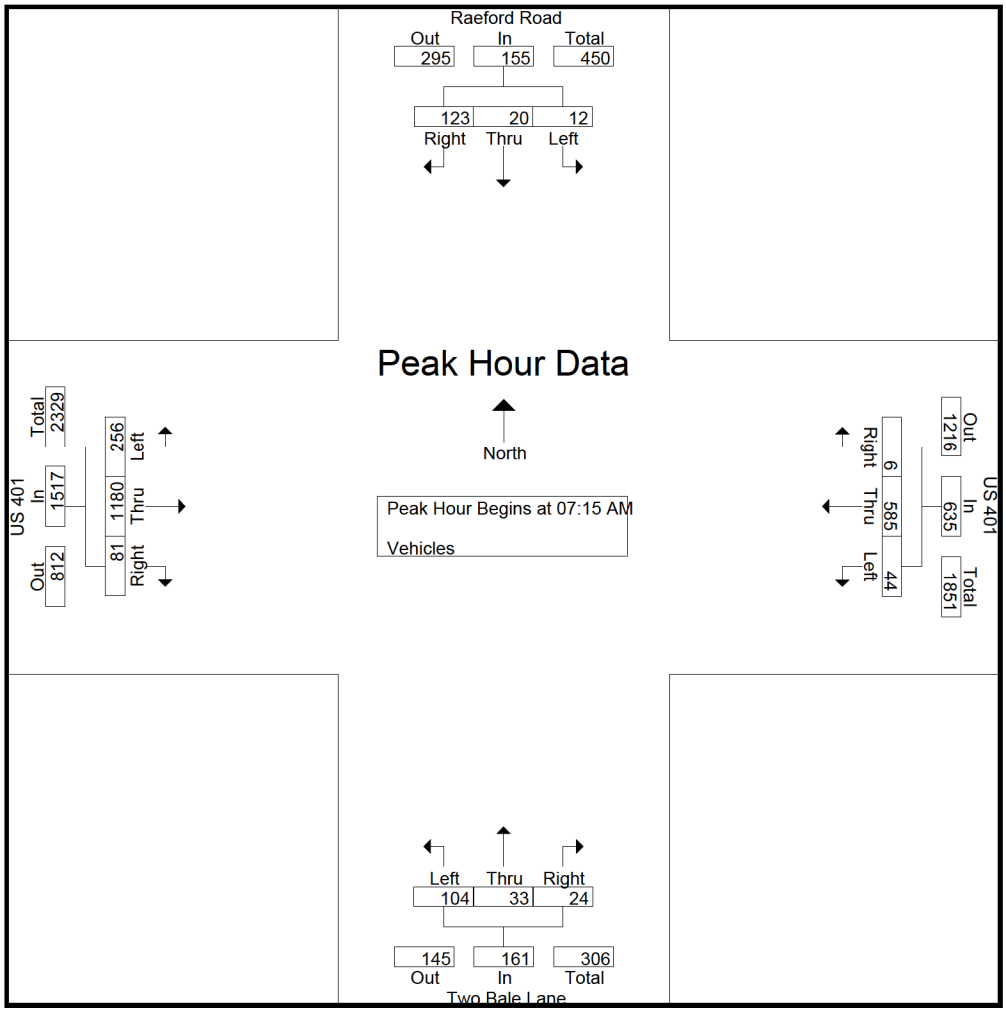
	Raeford Road Southbound				US 401 Westbound				Two Bale Lane Northbound				US 401 Eastbound				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 11:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	26	0	0	26	0	126	10	136	6	6	23	35	19	308	53	380	577
07:30 AM	33	4	4	41	**3**	153	**13**	169	**7**	6	27	40	18	**339**	**76**	**433**	**683**
07:45 AM	**43**	6	2	**51**	1	**174**	8	**183**	6	6	**33**	**45**	19	268	66	353	632
08:00 AM	21	**10**	**6**	37	2	132	13	147	5	**15**	21	41	**25**	265	61	351	576
Total Volume	123	20	12	155	6	585	44	635	24	33	104	161	81	1180	256	1517	2468
% App. Total	79.4	12.9	7.7		0.9	92.1	6.9		14.9	20.5	64.6		5.3	77.8	16.9		
PHF	.715	.500	.500	.760	.500	.841	.846	.867	.857	.550	.788	.894	.810	.870	.842	.876	.903



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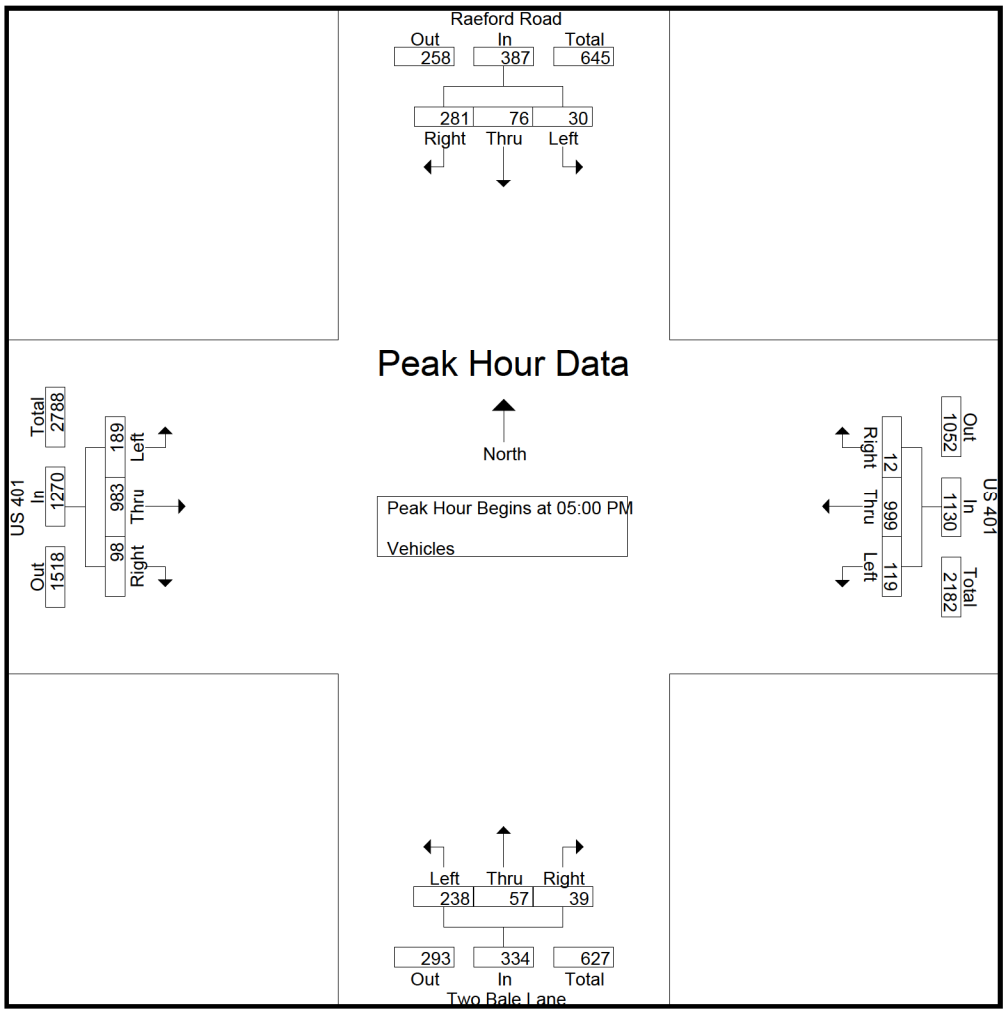
	Raeford Road Southbound				US 401 Westbound				Two Bale Lane Northbound				US 401 Eastbound				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	69	**33**	**10**	**112**	**5**	**258**	23	**286**	6	13	**65**	84	22	224	39	285	767
05:15 PM	65	18	8	91	2	253	28	283	8	**19**	58	85	16	**276**	52	**344**	**803**
05:30 PM	71	11	5	87	2	247	28	277	**17**	13	61	**91**	**34**	241	43	318	773
05:45 PM	**76**	14	7	97	3	241	**40**	284	8	12	54	74	26	242	**55**	323	778
Total Volume	281	76	30	387	12	999	119	1130	39	57	238	334	98	983	189	1270	3121
% App. Total	72.6	19.6	7.8		1.1	88.4	10.5		11.7	17.1	71.3		7.7	77.4	14.9		
PHF	.924	.576	.750	.864	.600	.968	.744	.988	.574	.750	.915	.918	.721	.890	.859	.923	.972



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Groups Printed- Uturns

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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																			
07:15 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
BREAK																			
Total	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
08:00 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
08:15 AM	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5	5
BREAK																			
Total	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6	6
BREAK																			
04:00 PM	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4	4
04:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
04:30 PM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	2
04:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8	8
05:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
05:15 PM	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5	5
05:30 PM	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	3
05:45 PM	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	3
Total	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	12	12
Grand Total	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	27	27
Apprch %	0	0	0		0	0	100		0	0	0		0	0	0				
Total %	0	0	0		0	0	100		0	0	0		0	0	0		0	100	

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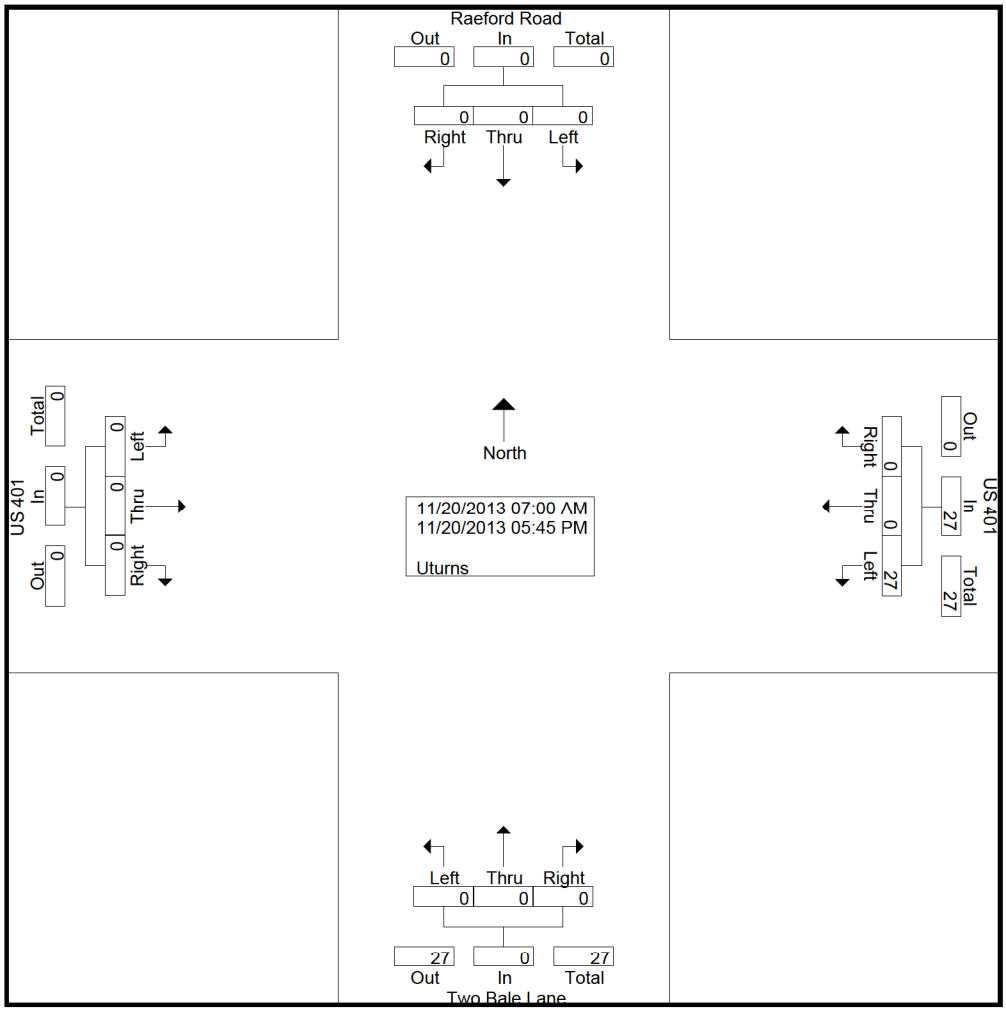
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