RAMEY KEMP & ASSOCIATES
TRANSPORTATION ENGINEERS

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

File Name : US 401 and Gillis Hill Road
Site Code : 00111913
Start Date : 11/19/2013
Page No : 1

Groups Printed- Vehicles

	Gillis Hill Road Southbound				US 401 Westbound				Gillis Hill Road 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	0	43	16	0	5	123	15	1	53	113	8	0	22	257	15	4	5	670	675
07:15 AM	0	43	9	0	6	78	18	5	46	106	11	0	15	285	12	4	9	629	638
07:30 AM	2	49	6	1	13	165	18	8	54	107	24	1	13	357	10	2	12	818	830
07:45 AM	1	61	6	2	4	141	32	5	42	85	17	0	16	265	8	4	11	678	689
Total	3	196	37	3	28	507	83	19	195	411	60	1	66	1164	45	14	37	2795	2832
08:00 AM	1	54	6	0	3	145	42	7	41	91	7	0	22	277	17	6	13	706	719
08:15 AM	0	34	8	0	12	163	27	7	38	83	16	1	9	212	8	2	10	610	620
08:30 AM	0	39	7	0	9	144	28	11	40	72	9	1	16	177	12	3	15	553	568
08:45 AM	0	27	14	0	17	115	31	8	35	60	16	1	7	194	2	4	13	518	531
Total	1	154	35	0	41	567	128	33	154	306	48	3	54	860	39	15	51	2387	2438
** BREAK**																			
04:00 PM	5	114	5	0	12	198	74	2	23	53	16	1	26	193	17	6	9	736	745
04:15 PM	1	108	6	0	10	247	75	0	30	37	32	0	31	182	22	3	3	781	784
04:30 PM	2	112	6	0	4	233	91	4	31	44	22	0	22	190	24	8	12	781	793
04:45 PM	3	125	8	0	18	201	90	0	35	46	22	0	32	190	14	6	6	784	790
Total	11	459	25	0	44	879	330	6	119	180	92	1	111	755	77	23	30	3082	3112
05:00 PM	4	124	4	0	10	231	83	2	39	54	23	0	31	172	17	5	7	792	799
05:15 PM	5	113	11	0	18	289	79	1	36	51	19	0	36	199	21	2	3	877	880
05:30 PM	2	118	5	0	11	262	80	4	36	49	23	0	31	207	24	9	13	848	861
05:45 PM	4	112	2	0	16	272	82	2	43	58	38	0	27	214	23	2	4	891	895
Total	15	467	22	0	55	1054	324	9	154	212	103	0	125	792	85	18	27	3408	3435
Grand Total	30	1276	119	3	168	3007	865	67	622	1109	303	5	356	3571	246	70	145	11672	11817
Apprch %	2.1	89.5	8.4		4.2	74.4	21.4		30.6	54.5	14.9		8.5	85.6	5.9				
Total %	0.3	10.9	1		1.4	25.8	7.4		5.3	9.5	2.6		3.1	30.6	2.1		1.2	98.8	

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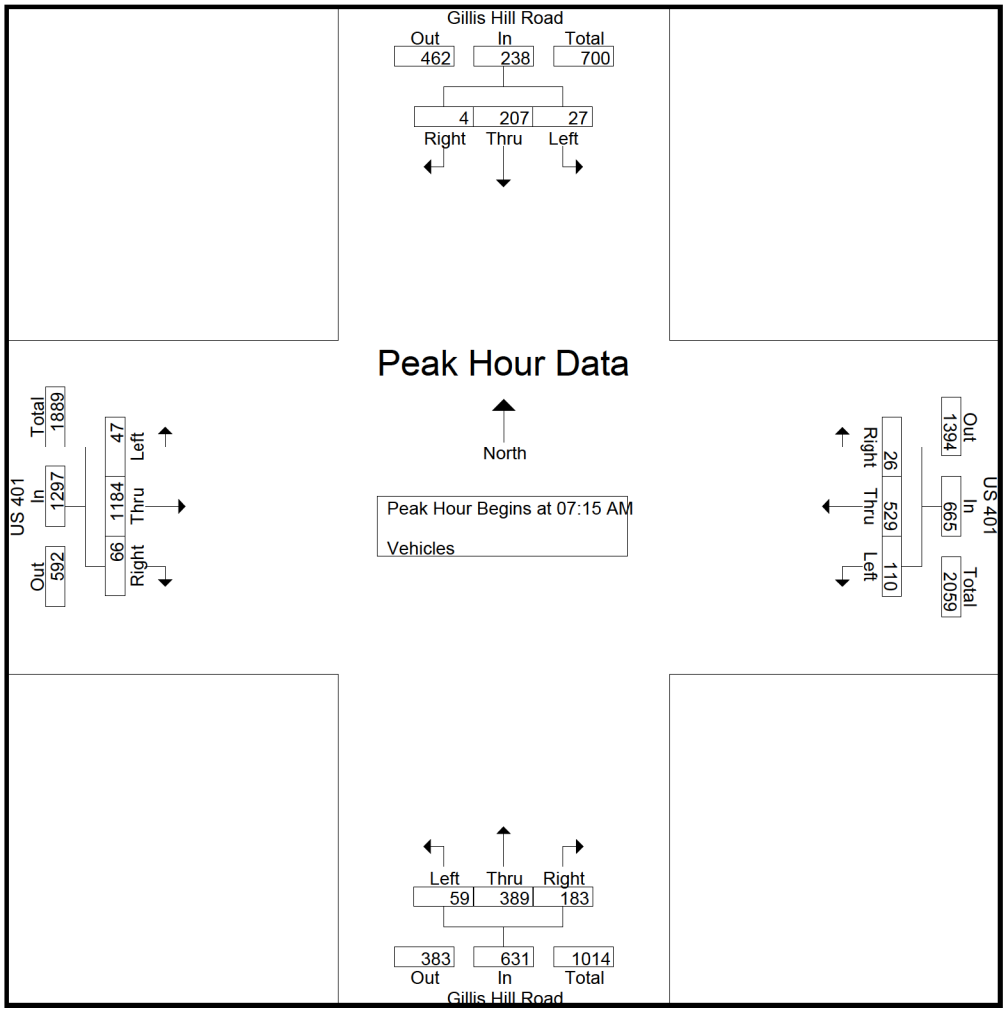
	Gillis Hill Road Southbound				US 401 Westbound				Gillis Hill Road Northbound				US 401 Eastbound				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 11:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	43	**9**	52	6	78	18	102	46	106	11	163	15	285	12	312	629
07:30 AM	**2**	49	6	57	**13**	**165**	18	**196**	**54**	**107**	**24**	**185**	13	**357**	10	**380**	**818**
07:45 AM	1	**61**	6	**68**	4	141	32	177	42	85	17	144	16	265	8	289	678
08:00 AM	1	54	6	61	3	145	**42**	190	41	91	7	139	**22**	277	**17**	316	706
Total Volume	4	207	27	238	26	529	110	665	183	389	59	631	66	1184	47	1297	2831
% App. Total	1.7	87	11.3		3.9	79.5	16.5		29	61.6	9.4		5.1	91.3	3.6		
PHF	.500	.848	.750	.875	.500	.802	.655	.848	.847	.909	.615	.853	.750	.829	.691	.853	.865



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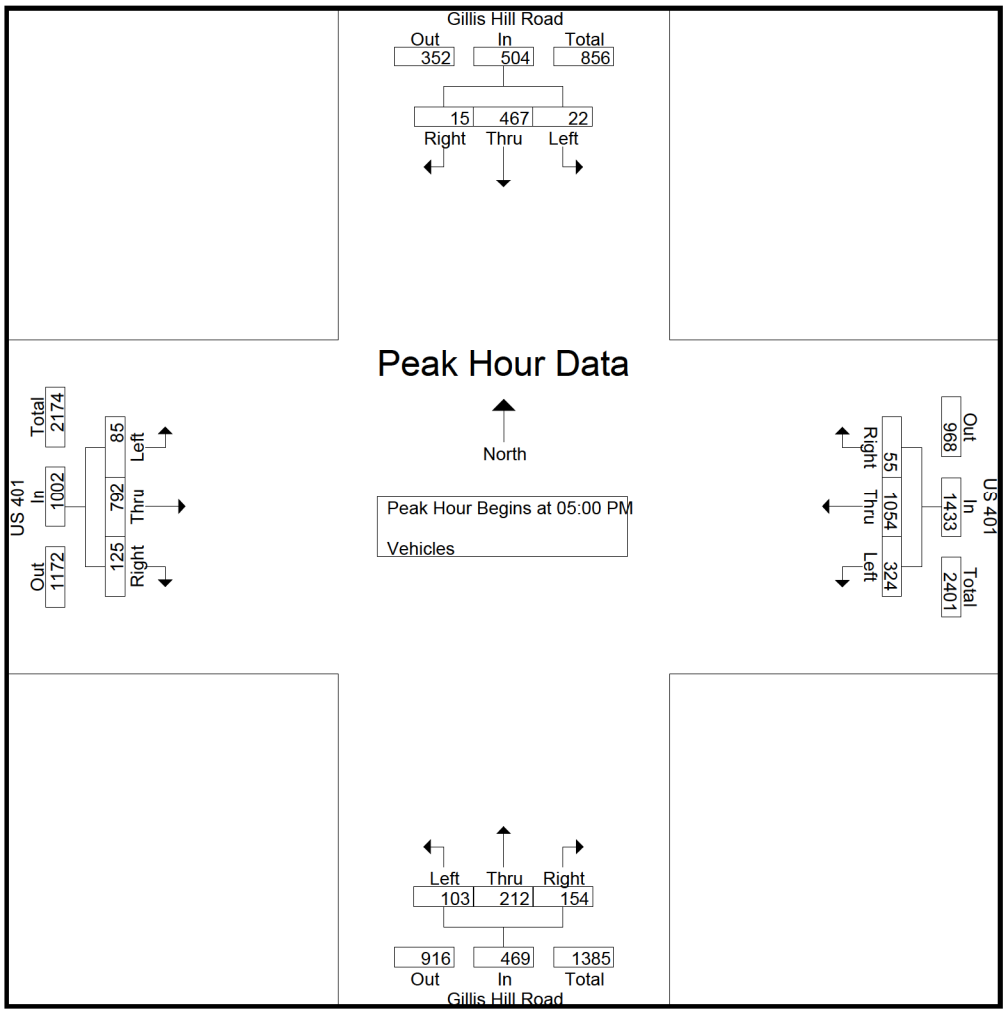
Page No : 3

	Gillis Hill Road Southbound				US 401 Westbound				Gillis Hill Road 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	4	**124**	4	**132**	10	231	**83**	324	39	54	23	116	31	172	17	220	792
05:15 PM	**5**	113	**11**	129	**18**	**289**	79	**386**	36	51	19	106	**36**	199	21	256	877
05:30 PM	2	118	5	125	11	262	80	353	36	49	23	108	31	207	**24**	262	848
05:45 PM	4	112	2	118	16	272	82	370	**43**	**58**	**38**	**139**	27	**214**	23	**264**	**891**
Total Volume	15	467	22	504	55	1054	324	1433	154	212	103	469	125	792	85	1002	3408
% App. Total	3	92.7	4.4		3.8	73.6	22.6		32.8	45.2	22		12.5	79	8.5		
PHF	.750	.942	.500	.955	.764	.912	.976	.928	.895	.914	.678	.844	.868	.925	.885	.949	.956