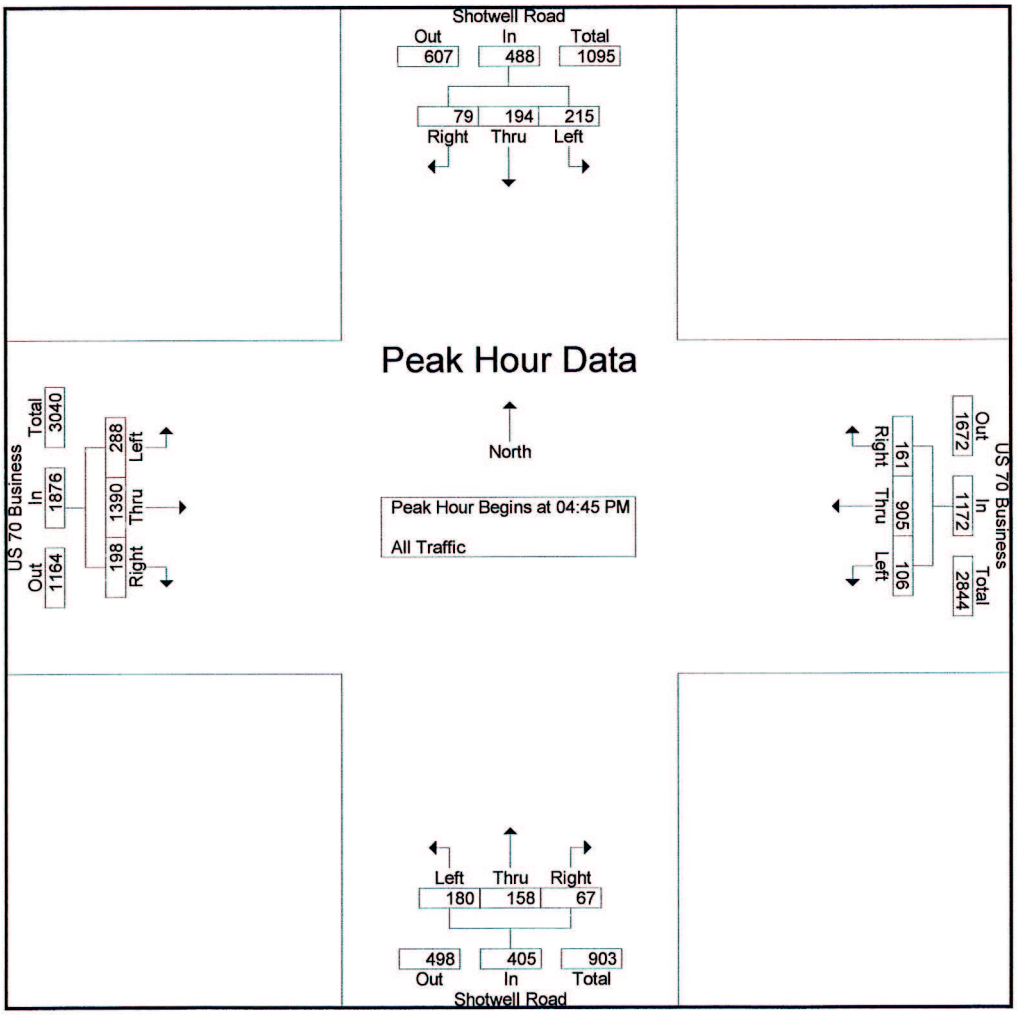
Morton & Morton Design Services, PLLC
4700 Homewood CT, Suite 200
Raleigh, North Carolina 27609
Ph. (919) 882-6066

www.mortonmorton.com

US 70 Business @ Shotwell Road
Clayton, NC
April 14, 2015 Counter: DM
Weather: Clear

File Name : US 70 Bus_Shotwell
Site Code : 04201501
Start Date : 4/14/2015
Page No : 3

	Shotwell Road Southbound				US 70 Business Westbound				Shotwell Road Northbound				US 70 Business Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	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 04:45 PM																	
04:45 PM	46	45	25	116	26	207	43	276	43	39	15	97	71	347	48	466	955
05:00 PM	58	55	18	131	23	229	39	291	42	44	11	97	93	327	48	468	987
05:15 PM	55	45	17	117	27	243	42	312	54	41	21	116	63	351	56	470	1015
05:30 PM	56	49	19	124	30	226	37	293	41	34	20	95	61	365	46	472	984
Total Volume	215	194	79	488	106	905	161	1172	180	158	67	405	288	1390	198	1876	3941
% App. Total	44.1	39.8	16.2		9	77.2	13.7		44.4	39	16.5		15.4	74.1	10.6		
PHF	.927	.882	.790	.931	.883	.931	.936	.939	.833	.898	.798	.873	.774	.952	.884	.994	.971



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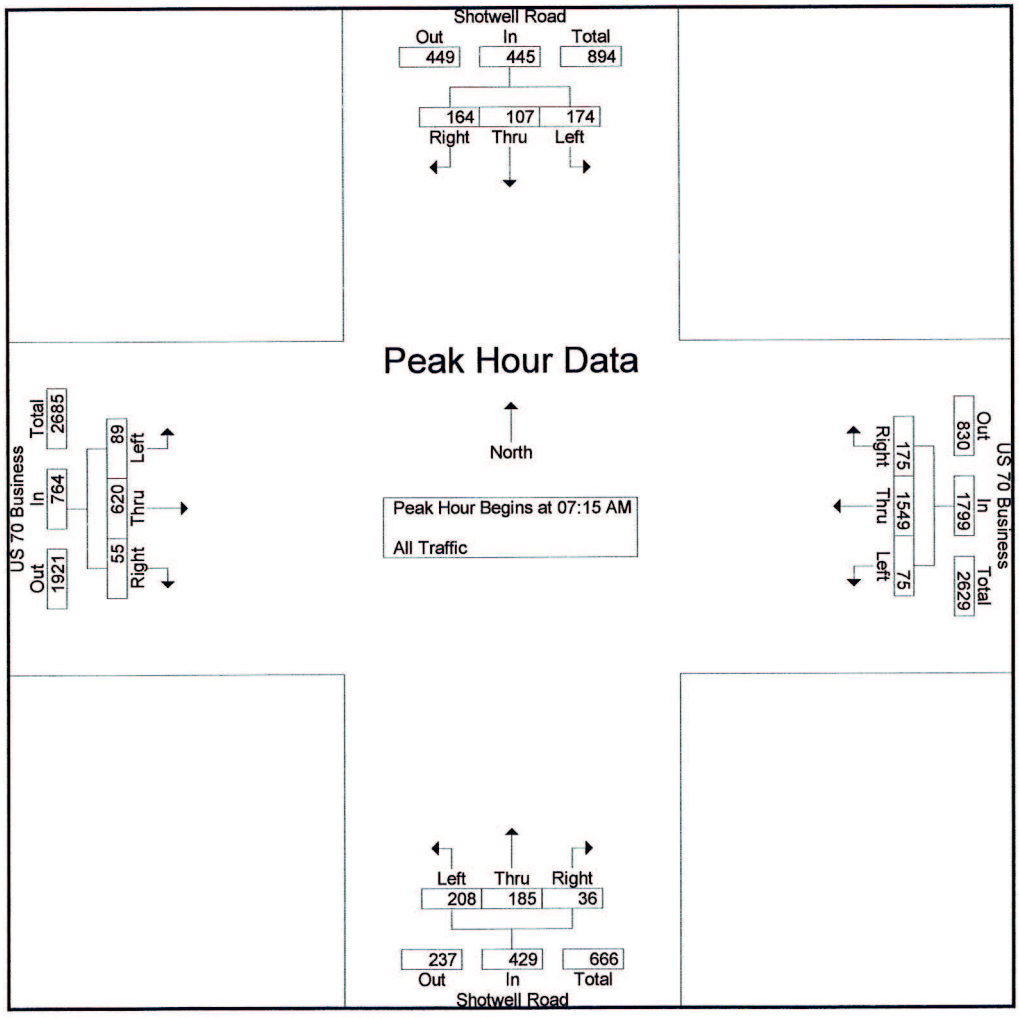
	Shotwell Road Southbound				US 70 Business Westbound				Shotwell Road Northbound				US 70 Business Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 11:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	35	27	43	105	12	467	46	525	39	54	6	99	16	135	14	165	894
07:30 AM	42	26	50	118	13	390	52	455	60	49	7	116	27	152	18	197	886
07:45 AM	38	29	37	104	22	386	38	446	53	48	9	110	23	177	11	211	871
08:00 AM	59	25	34	118	28	306	39	373	56	34	14	104	23	156	12	191	786
Total Volume	174	107	164	445	75	1549	175	1799	208	185	36	429	89	620	55	764	3437
% App. Total	39.1	24	36.9		4.2	86.1	9.7		48.5	43.1	8.4		11.6	81.2	7.2		
PHF	.737	.922	.820	.943	.670	.829	.841	.857	.867	.856	.643	.925	.824	.876	.764	.905	.961



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Groups Printed- All Traffic

	Shotwell Road Southbound					US 70 Business Westbound					Shotwell Road Northbound					US 70 Business Eastbound							
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	38	27	38	0	103	11	402	35	0	448	44	32	6	0	82	18	127	7	0	152	0	785	785
07:15 AM	35	27	43	0	105	12	467	46	0	525	39	54	6	0	99	16	135	14	0	165	0	894	894
07:30 AM	42	26	50	0	118	13	390	52	0	455	60	49	7	0	116	27	152	18	0	197	0	886	886
07:45 AM	38	29	37	0	104	22	386	38	0	446	53	48	9	0	110	23	177	11	0	211	0	871	871
Total	153	109	168	0	430	58	1645	171	0	1874	196	183	28	0	407	84	591	50	0	725	0	3436	3436
08:00 AM	59	25	34	0	118	28	306	39	0	373	56	34	14	0	104	23	156	12	0	191	0	786	786
08:15 AM	45	24	31	0	100	22	293	37	0	352	44	32	12	0	88	29	141	10	0	180	0	720	720
08:30 AM	30	21	38	0	89	26	281	33	0	340	43	37	11	0	91	27	130	14	0	171	0	691	691
08:45 AM	33	25	34	0	92	22	259	27	0	308	40	30	9	0	79	28	133	11	0	172	0	651	651
Total	167	95	137	0	399	98	1139	136	0	1373	183	133	46	0	362	107	560	47	0	714	0	2848	2848
*** BREAK ***																							
04:00 PM	46	39	28	0	113	18	166	20	0	204	57	21	13	0	91	42	275	41	0	358	0	766	766
04:15 PM	40	30	28	0	98	30	213	23	0	266	41	19	22	0	82	59	293	38	0	390	0	836	836
04:30 PM	53	42	21	0	116	30	206	33	1	269	44	38	11	0	93	68	338	44	0	450	1	928	929
04:45 PM	46	45	25	0	116	26	207	43	0	276	43	39	15	0	97	71	347	48	0	466	0	955	955
Total	185	156	102	0	443	104	792	119	1	1015	185	117	61	0	363	240	1253	171	0	1664	1	3485	3486
05:00 PM	58	55	18	0	131	23	229	39	0	291	42	44	11	0	97	93	327	48	0	468	0	987	987
05:15 PM	55	45	17	0	117	27	243	42	0	312	54	41	21	0	116	63	351	56	0	470	0	1015	1015
05:30 PM	56	49	19	0	124	30	226	37	0	293	41	34	20	0	95	61	365	46	0	472	0	984	984
05:45 PM	58	51	17	0	126	31	194	30	0	255	29	25	18	0	72	58	393	37	0	488	0	941	941
Total	227	200	71	0	498	111	892	148	0	1151	166	144	70	0	380	275	1436	187	0	1898	0	3927	3927
Grand Total	732	560	478	0	1770	371	4468	574	1	5413	730	577	205	0	1512	706	3840	455	0	5001	1	13696	13697
Apprch %	41.4	31.6	27			6.9	82.5	10.6			48.3	38.2	13.6			14.1	76.8	9.1					
Total %	5.3	4.1	3.5		12.9	2.7	32.6	4.2		39.5	5.3	4.2	1.5		11	5.2	28	3.3		36.5	0	100	