

Appendix F – Raw TMC and ATR Data

National Data & Surveying Services

Intersection Turning Movement Count

Location: Carolina Dr & Gateway Blvd
City: Manassas
Control: 2-Way Stop(NB/SB)

Project ID: 24-260054-002
Date: 3/14/2024

Data - Total

NS/EW Streets:	Carolina Dr				Carolina Dr				Gateway Blvd				Gateway Blvd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
6:30 AM	0	0	0	0	2	0	9	0	2	2	0	0	1	17	4	0	37
6:45 AM	0	0	1	0	2	0	3	0	3	0	0	0	0	17	8	0	34
7:00 AM	0	0	1	0	4	0	21	0	7	5	1	0	0	16	13	0	68
7:15 AM	0	0	0	0	3	0	13	0	5	9	1	0	0	10	4	0	45
7:30 AM	1	2	1	0	5	3	14	0	6	6	0	0	3	28	7	0	76
7:45 AM	0	0	1	0	7	2	18	0	6	2	0	1	3	25	6	0	71
8:00 AM	0	0	1	0	10	0	12	0	5	4	2	0	6	22	3	1	66
8:15 AM	0	0	0	0	10	1	10	0	2	10	1	0	1	19	14	0	68
TOTAL VOLUMES :	1	2	5	0	43	6	100	0	36	38	5	1	14	154	59	1	465
APPROACH %'s :	12.50%	25.00%	62.50%	0.00%	28.86%	4.03%	67.11%	0.00%	45.00%	47.50%	6.25%	1.25%	6.14%	67.54%	25.88%	0.44%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	1	2	3	0	32	6	54	0	19	22	3	1	13	94	30	1	281
PEAK HR FACTOR :	0.250	0.250	0.750	0.000	0.800	0.500	0.750	0.000	0.792	0.550	0.375	0.250	0.542	0.839	0.536	0.250	0.924
			0.375				0.852				0.865				0.908		
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
3:00 PM	0	2	1	0	11	2	4	0	18	15	0	1	1	10	3	0	68
3:15 PM	1	0	3	0	6	2	6	0	13	4	0	0	1	0	8	0	44
3:30 PM	0	0	1	0	5	0	7	0	14	16	0	0	2	7	10	0	62
3:45 PM	0	0	0	0	15	1	7	0	17	13	0	0	3	4	9	0	69
4:00 PM	1	3	5	0	10	1	13	0	15	18	1	0	5	5	5	0	82
4:15 PM	2	2	1	0	8	0	9	0	12	11	0	0	1	6	9	0	61
4:30 PM	1	1	0	0	11	0	7	0	6	22	0	0	0	13	8	0	69
4:45 PM	0	2	3	0	14	0	4	0	22	24	0	0	1	8	9	0	87
TOTAL VOLUMES :	5	10	14	0	80	6	57	0	117	123	1	1	14	53	61	0	542
APPROACH %'s :	17.24%	34.48%	48.28%	0.00%	55.94%	4.20%	39.86%	0.00%	48.35%	50.83%	0.41%	0.41%	10.94%	41.41%	47.66%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	4	8	9	0	43	1	33	0	55	75	1	0	7	32	31	0	299
PEAK HR FACTOR :	0.500	0.667	0.450	0.000	0.768	0.250	0.635	0.000	0.625	0.781	0.250	0.000	0.350	0.615	0.861	0.000	0.859
			0.583				0.802				0.712				0.833		

National Data & Surveying Services

Intersection Turning Movement Count

Location: Carolina Dr & Gateway Blvd
City: Manassas
Control: 2-Way Stop(NB/SB)

Project ID: 24-260054-002
Date: 3/14/2024

Data - Cars

NS/EW Streets:	Carolina Dr				Carolina Dr				Gateway Blvd				Gateway Blvd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
6:30 AM	0	0	0	0	2	0	9	0	2	2	0	0	1	17	4	0	37
6:45 AM	0	0	1	0	2	0	3	0	2	0	0	0	0	17	7	0	32
7:00 AM	0	0	1	0	3	0	20	0	7	4	1	0	0	15	12	0	63
7:15 AM	0	0	0	0	3	0	11	0	5	8	1	0	0	10	4	0	42
7:30 AM	1	2	1	0	5	3	13	0	6	4	0	0	3	28	7	0	73
7:45 AM	0	0	1	0	7	2	17	0	4	2	0	1	3	24	6	0	67
8:00 AM	0	0	1	0	10	0	12	0	4	3	2	0	6	22	3	1	64
8:15 AM	0	0	0	0	10	1	9	0	2	8	1	0	0	19	14	0	64
TOTAL VOLUMES :	1	2	5	0	42	6	94	0	32	31	5	1	13	152	57	1	442
APPROACH %'s :	12.50%	25.00%	62.50%	0.00%	29.58%	4.23%	66.20%	0.00%	46.38%	44.93%	7.25%	1.45%	5.83%	68.16%	25.56%	0.45%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	1	2	3	0	32	6	51	0	16	17	3	1	12	93	30	1	268
PEAK HR FACTOR :	0.250	0.250	0.750	0.000	0.800	0.500	0.750	0.000	0.667	0.531	0.375	0.250	0.500	0.830	0.536	0.250	0.918
	0.375				0.856				0.841				0.895				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
3:00 PM	0	2	1	0	10	2	3	0	17	14	0	0	1	9	2	0	61
3:15 PM	1	0	3	0	5	2	4	0	13	3	0	0	1	0	8	0	40
3:30 PM	0	0	1	0	4	0	7	0	14	15	0	0	2	6	10	0	59
3:45 PM	0	0	0	0	15	1	7	0	17	12	0	0	3	4	9	0	68
4:00 PM	1	3	4	0	10	1	13	0	15	17	1	0	3	4	5	0	77
4:15 PM	2	1	1	0	8	0	9	0	11	10	0	0	1	5	9	0	57
4:30 PM	1	1	0	0	11	0	6	0	6	22	0	0	0	10	8	0	65
4:45 PM	0	2	3	0	14	0	4	0	22	24	0	0	1	8	9	0	87
TOTAL VOLUMES :	5	9	13	0	77	6	53	0	115	117	1	0	12	46	60	0	514
APPROACH %'s :	18.52%	33.33%	48.15%	0.00%	56.62%	4.41%	38.97%	0.00%	49.36%	50.21%	0.43%	0.00%	10.17%	38.98%	50.85%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	4	7	8	0	43	1	32	0	54	73	1	0	5	27	31	0	286
PEAK HR FACTOR :	0.500	0.583	0.500	0.000	0.768	0.250	0.615	0.000	0.614	0.760	0.250	0.000	0.417	0.675	0.861	0.000	0.822
	0.594				0.792				0.696				0.875				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Carolina Dr & Gateway Blvd
City: Manassas
Control: 2-Way Stop(NB/SB)

Project ID: 24-260054-002
Date: 3/14/2024

Data - Bikes

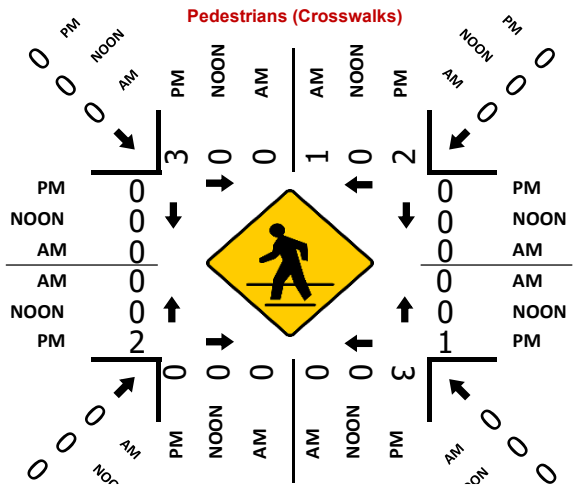
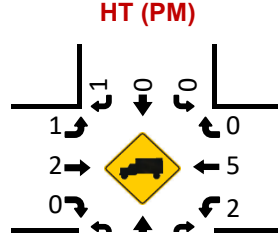
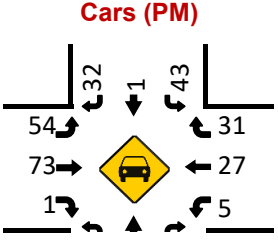
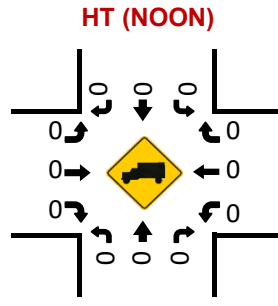
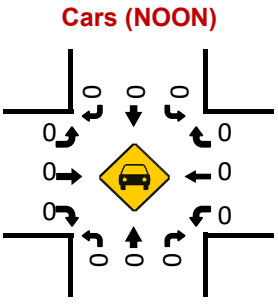
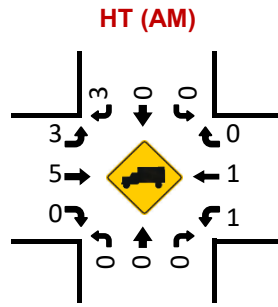
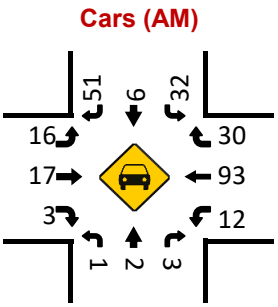
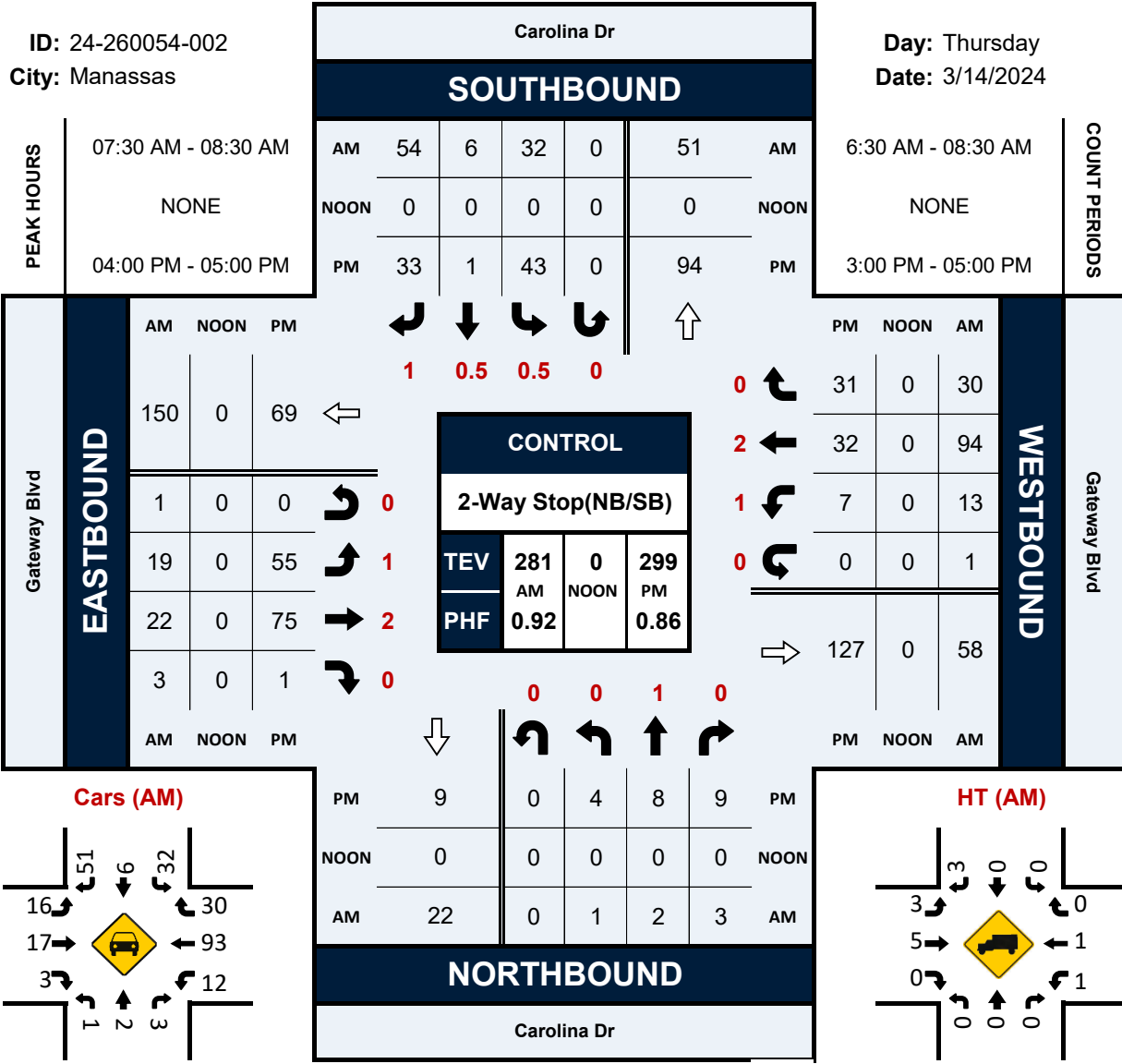
NS/EW Streets:	Carolina Dr				Carolina Dr				Gateway Blvd				Gateway Blvd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
6:30 AM	0	1	0	0	0.5	0.5	1	0	1	2	0	0	1	2	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %'s :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	3
4:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
4:15 PM	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	0	0	0	2	0	1	0	0	2	0	0	0	0	1	0	6
APPROACH %'s :	0	0	0	0	66.67%	0.00%	33.33%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	3
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.375

Carolina Dr & Gateway Blvd

Peak Hour Turning Movement Count

ID: 24-260054-002
City: Manassas

Day: Thursday
Date: 3/14/2024



Prepared by National Data & Surveying Services

L 8
F 7
F 4

ON
PM

PM
ON

L 1
F 1
F 0

Project ID: 24-260054-002
 Location: Carolina Dr & Gateway Blvd
 City: Manassas

Day: Thursday
 Date: 3/14/2024

Groups Printed - Cars, PU, Vans - Heavy Trucks

Start Time	Carolina Dr Northbound						Carolina Dr Southbound						Gateway Blvd Eastbound						Gateway Blvd Westbound						Int. Total
	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	
6:30 AM	0	0	0	0	0	0	2	0	9	0	0	11	2	2	0	0	0	4	1	17	4	0	0	22	37
6:45 AM	0	0	1	0	0	1	2	0	3	0	0	5	3	0	0	0	0	3	0	17	8	0	0	25	34
Total	0	0	1	0	0	1	4	0	12	0	0	16	5	2	0	0	0	7	1	34	12	0	0	47	71
7:00 AM	0	0	1	0	0	1	4	0	21	0	0	25	7	5	1	0	0	13	0	16	13	0	0	29	68
7:15 AM	0	0	0	0	0	0	3	0	13	0	0	16	5	9	1	0	0	15	0	10	4	0	0	14	45
7:30 AM	1	2	1	0	0	4	5	3	14	0	0	22	6	6	0	0	0	12	3	28	7	0	0	38	76
7:45 AM	0	0	1	0	0	1	7	2	18	0	1	27	6	2	0	1	0	9	3	25	6	0	0	34	71
Total	1	2	3	0	0	6	19	5	66	0	1	90	24	22	2	1	0	49	6	79	30	0	0	115	260
8:00 AM	0	0	1	0	0	1	10	0	12	0	0	22	5	4	2	0	0	11	6	22	3	1	0	32	66
8:15 AM	0	0	0	0	0	0	10	1	10	0	0	21	2	10	1	0	0	13	1	19	14	0	0	34	68
Total	0	0	1	0	0	1	20	1	22	0	0	43	7	14	3	0	0	24	7	41	17	1	0	66	134
BREAK																									
3:00 PM	0	2	1	0	1	3	11	2	4	0	1	17	18	15	0	1	0	34	1	10	3	0	0	14	68
3:15 PM	1	0	3	0	1	4	6	2	6	0	0	14	13	4	0	0	0	17	1	0	8	0	0	9	44
3:30 PM	0	0	1	0	1	1	5	0	7	0	0	12	14	16	0	0	0	30	2	7	10	0	0	19	62
3:45 PM	0	0	0	0	0	0	15	1	7	0	1	23	17	13	0	0	0	30	3	4	9	0	0	16	69
Total	1	2	5	0	3	8	37	5	24	0	2	66	62	48	0	1	0	111	7	21	30	0	0	58	243
4:00 PM	1	3	5	0	0	9	10	1	13	0	0	24	15	18	1	0	0	34	5	5	5	0	1	15	82
4:15 PM	2	2	1	0	0	5	8	0	9	0	1	17	12	11	0	0	0	23	1	6	9	0	0	16	61
4:30 PM	1	1	0	0	0	2	11	0	7	0	2	18	6	22	0	0	0	28	0	13	8	0	0	21	69
4:45 PM	0	2	3	0	3	5	14	0	4	0	2	18	22	24	0	0	2	46	1	8	9	0	0	18	87
Total	4	8	9	0	3	21	43	1	33	0	5	77	55	75	1	0	2	131	7	32	31	0	1	70	299
Grand Total	6	12	19	0	6	37	123	12	157	0	8	292	153	161	6	2	2	322	28	207	120	1	1	356	1007
Apprch %	16.2	32.4	51.4	0.0	16.2		42.1	4.1	53.8	0.0	2.7		47.5	50.0	1.9	0.6	0.6		7.9	58.1	33.7	0.3	0.3		
Total %	0.6	1.2	1.9	0.0	0.6	3.7	12.2	1.2	15.6	0.0	0.8	29.0	15.2	16.0	0.6	0.2	0.2	32.0	2.8	20.6	11.9	0.1	0.1	35.4	
Cars, PU, Vans	6	11	18	0		35	119	12	147	0		278	147	148	6	1		302	25	198	117	1		341	956
% Cars, PU, Vans	100.0	91.7	94.7	0.0		94.6	96.7	100.0	93.6	0.0		95.2	96.1	91.9	100.0	50.0		93.8	89.3	95.7	97.5	100.0		95.8	94.9
Heavy trucks	0	1	1	0		2	4	0	10	0		14	6	13	0	1		20	3	9	3	0		15	51
%Heavy trucks	0.0	8.3	5.3	0.0		5.4	3.3	0.0	6.4	0.0		4.8	3.9	8.1	0.0	50.0		6.2	10.7	4.3	2.5	0.0		4.2	5.1

Project ID: 24-260054-002
 Location: Carolina Dr & Gateway Blvd
 City: Manassas

PEAK HOURS

Day: Thursday
 Date: 3/14/2024

AM

Start Time	Carolina Dr Northbound					Carolina Dr Southbound					Gateway Blvd Eastbound					Gateway Blvd Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 06:30 AM - 08:30 AM																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
7:30 AM	1	2	1	0	4	5	3	14	0	22	6	6	0	0	12	3	28	7	0	38	76
7:45 AM	0	0	1	0	1	7	2	18	0	27	6	2	0	1	9	3	25	6	0	34	71
8:00 AM	0	0	1	0	1	10	0	12	0	22	5	4	2	0	11	6	22	3	1	32	66
8:15 AM	0	0	0	0	0	10	1	10	0	21	2	10	1	0	13	1	19	14	0	34	68
Total Volume	1	2	3	0	6	32	6	54	0	92	19	22	3	1	45	13	94	30	1	138	281
% App. Total	16.7	33.3	50.0	0.0	100	34.8	6.5	58.7	0.0	100	42.2	48.9	6.7	2.2	100	9.4	68.1	21.7	0.7	100	
PHF					0.375	0.852					0.865					0.908					0.924
Cars, PU, Vans	1	2	3	0	6	32	6	51	0	89	16	17	3	1	37	12	93	30	1	136	268
% Cars, PU, Vans	100.0	100.0	100.0	0.0	100.0	100.0	100.0	94.4	0.0	96.7	84.2	77.3	100.0	100.0	82.2	92.3	98.9	100.0	100.0	98.6	95.4
Heavy trucks	0	0	0	0	0	0	0	3	0	3	3	5	0	0	8	1	1	0	0	2	13
%Heavy trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	3.3	15.8	22.7	0.0	0.0	17.8	7.7	1.1	0.0	0.0	1.4	4.6

PM

Start Time	Carolina Dr Northbound					Carolina Dr Southbound					Gateway Blvd Eastbound					Gateway Blvd Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 03:00 PM - 05:00 PM																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
4:00 PM	1	3	5	0	9	10	1	13	0	24	15	18	1	0	34	5	5	5	0	15	82
4:15 PM	2	2	1	0	5	8	0	9	0	17	12	11	0	0	23	1	6	9	0	16	61
4:30 PM	1	1	0	0	2	11	0	7	0	18	6	22	0	0	28	0	13	8	0	21	69
4:45 PM	0	2	3	0	5	14	0	4	0	18	22	24	0	0	46	1	8	9	0	18	87
Total Volume	4	8	9	0	21	43	1	33	0	77	55	75	1	0	131	7	32	31	0	70	299
% App. Total	19.0	38.1	42.9	0.0	100	55.8	1.3	42.9	0.0	100	42.0	57.3	0.8	0.0	100	10.0	45.7	44.3	0.0	100	
PHF					0.583	0.802					0.712					0.833					0.859
Cars, PU, Vans	4	7	8	0	19	43	1	32	0	76	54	73	1	0	128	5	27	31	0	63	286
% Cars, PU, Vans	100.0	87.5	88.9	0.0	90.5	100.0	100.0	97.0	0.0	98.7	98.2	97.3	100.0	0.0	97.7	71.4	84.4	100.0	0.0	90.0	95.7
Heavy trucks	0	1	1	0	2	0	0	1	0	1	1	2	0	0	3	2	5	0	0	7	13
%Heavy trucks	0.0	12.5	11.1	0.0	9.5	0.0	0.0	3.0	0.0	1.3	1.8	2.7	0.0	0.0	2.3	28.6	15.6	0.0	0.0	10.0	4.3

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Observation Rd
City: Manassas
Control: 1-Way Stop(EB)

Project ID: 24-260054-003
Date: 3/14/2024

Data - Total

NS/EW Streets:	Wakeman Dr				Wakeman Dr				Observation Rd				Observation Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
6:30 AM	2	9	0	0	0	10	4	0	0	0	5	0	0	0	0	0	30
6:45 AM	8	4	0	0	0	13	8	0	0	1	7	0	0	0	0	0	41
7:00 AM	13	8	0	0	0	15	12	0	0	6	9	1	0	0	0	0	64
7:15 AM	7	11	0	0	0	10	3	0	0	11	5	0	0	0	0	0	47
7:30 AM	13	9	0	0	0	21	12	0	0	3	4	0	0	0	0	0	62
7:45 AM	6	6	0	0	0	21	11	0	0	6	19	0	0	0	0	0	69
8:00 AM	13	6	0	0	0	15	7	0	0	3	6	0	0	0	0	0	50
8:15 AM	1	10	0	0	0	15	7	0	0	4	9	0	0	0	0	0	46
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	63	63	0	0	0	120	64	0	34	0	64	1	0	0	0	0	409
	50.00%	50.00%	0.00%	0.00%	0.00%	65.22%	34.78%	0.00%	34.34%	0.00%	64.65%	1.01%	0	0	0	0	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	39	34	0	0	0	67	38	0	26	0	37	1	0	0	0	0	242
PEAK HR FACTOR :	0.750	0.773	0.000	0.000	0.000	0.798	0.792	0.000	0.591	0.000	0.487	0.250	0.000	0.000	0.000	0.000	0.877
	0.830				0.795				0.640								
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
3:00 PM	14	20	0	0	0	8	8	0	0	8	8	0	0	0	0	0	66
3:15 PM	10	10	0	0	0	6	8	0	0	8	9	0	0	0	0	0	51
3:30 PM	13	22	0	0	0	10	4	0	0	2	10	0	0	0	0	0	61
3:45 PM	11	18	0	0	0	7	0	0	0	2	4	0	0	0	0	0	42
4:00 PM	17	20	0	0	0	8	6	0	0	3	7	0	0	0	0	0	61
4:15 PM	12	14	0	0	0	9	6	0	0	5	4	0	0	0	0	0	50
4:30 PM	12	8	0	0	0	8	13	0	0	12	9	0	0	0	0	0	62
4:45 PM	12	17	0	0	0	4	3	0	0	14	10	0	0	0	0	0	60
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	101	129	0	0	0	60	48	0	54	0	61	0	0	0	0	0	453
	43.91%	56.09%	0.00%	0.00%	0.00%	55.56%	44.44%	0.00%	46.96%	0.00%	53.04%	0.00%	0	0	0	0	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	53	59	0	0	0	29	28	0	34	0	30	0	0	0	0	0	233
PEAK HR FACTOR :	0.779	0.738	0.000	0.000	0.000	0.806	0.538	0.000	0.607	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.940
	0.757				0.679				0.667								

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Observation Rd
City: Manassas
Control: 1-Way Stop(EB)

Project ID: 24-260054-003
Date: 3/14/2024

Data - Cars

NS/EW Streets:		Wakeman Dr				Wakeman Dr				Observation Rd				Observation Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU		
6:30 AM	2	9	0	0	0	10	4	0	0	0	5	0	0	0	0	0	30	
6:45 AM	8	3	0	0	0	13	8	0	1	0	7	0	0	0	0	0	40	
7:00 AM	13	8	0	0	0	14	11	0	5	0	9	1	0	0	0	0	61	
7:15 AM	6	10	0	0	0	9	3	0	8	0	5	0	0	0	0	0	41	
7:30 AM	13	9	0	0	0	21	7	0	2	0	4	0	0	0	0	0	56	
7:45 AM	6	4	0	0	0	20	11	0	4	0	19	0	0	0	0	0	64	
8:00 AM	13	6	0	0	0	15	6	0	3	0	6	0	0	0	0	0	49	
8:15 AM	1	10	0	0	0	15	7	0	4	0	9	0	0	0	0	0	46	
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :	62	59	0	0	0	117	57	0	27	0	64	1	0	0	0	0	387	
	51.24%	48.76%	0.00%	0.00%	0.00%	67.24%	32.76%	0.00%	29.35%	0.00%	69.57%	1.09%						
PEAK HR :	07:00 AM - 08:00 AM																	TOTAL
PEAK HR VOL :	38	31	0	0	0	64	32	0	19	0	37	1	0	0	0	0	222	
PEAK HR FACTOR :	0.731	0.775	0.000	0.000	0.000	0.762	0.727	0.000	0.594	0.000	0.487	0.250	0.000	0.000	0.000	0.000	0.867	
	0.784				0.774				0.620									
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU		
3:00 PM	14	18	0	0	0	8	5	0	7	0	7	0	0	0	0	0	59	
3:15 PM	9	10	0	0	0	6	4	0	5	0	8	0	0	0	0	0	42	
3:30 PM	13	22	0	0	0	10	4	0	2	0	10	0	0	0	0	0	61	
3:45 PM	11	16	0	0	0	6	0	0	2	0	4	0	0	0	0	0	39	
4:00 PM	17	20	0	0	0	8	5	0	3	0	6	0	0	0	0	0	59	
4:15 PM	12	14	0	0	0	8	5	0	4	0	4	0	0	0	0	0	47	
4:30 PM	12	8	0	0	0	8	11	0	12	0	9	0	0	0	0	0	60	
4:45 PM	12	16	0	0	0	3	3	0	14	0	10	0	0	0	0	0	58	
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :	100	124	0	0	0	57	37	0	49	0	58	0	0	0	0	0	425	
	44.64%	55.36%	0.00%	0.00%	0.00%	60.64%	39.36%	0.00%	45.79%	0.00%	54.21%	0.00%						
PEAK HR :	04:00 PM - 05:00 PM																	TOTAL
PEAK HR VOL :	53	58	0	0	0	27	24	0	33	0	29	0	0	0	0	0	224	
PEAK HR FACTOR :	0.779	0.725	0.000	0.000	0.000	0.844	0.545	0.000	0.589	0.000	0.725	0.000	0.000	0.000	0.000	0.000	0.933	
	0.750				0.671				0.646									

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Observation Rd
City: Manassas
Control: 1-Way Stop(EB)

Project ID: 24-260054-003
Date: 3/14/2024

Data - HT

NS/EW Streets:	Wakeman Dr				Wakeman Dr				Observation Rd				Observation Rd					
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU		
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0
7:15 AM	1	1	0	0	0	1	1	0	0	3	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0
7:45 AM	0	2	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	1	1	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0
APPROACH %'s :	20.00%	80.00%	0.00%	0.00%	0.00%	30.00%	70.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0	0	0	0
PEAK HR :	07:00 AM - 08:00 AM																TOTAL	
PEAK HR VOL :	1	3	0	0	0	3	6	0	0	7	0	0	0	0	0	0	0	0
PEAK HR FACTOR :	0.250	0.375	0.000	0.000	0.000	0.750	0.300	0.000	0.000	0.583	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.500				0.450				0.583								0.833	

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU		
3:00 PM	0	2	0	0	0	0	3	0	0	1	0	1	0	0	0	0	0	0
3:15 PM	1	0	0	0	0	0	4	0	0	3	0	1	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	1	5	0	0	0	3	11	0	0	5	0	3	0	0	0	0	0	0
APPROACH %'s :	16.67%	83.33%	0.00%	0.00%	0.00%	21.43%	78.57%	0.00%	0.00%	62.50%	0.00%	37.50%	0.00%	0.00%	0	0	0	0
PEAK HR :	04:00 PM - 05:00 PM																TOTAL	
PEAK HR VOL :	0	1	0	0	0	2	4	0	0	1	0	1	0	0	0	0	0	0
PEAK HR FACTOR :	0.000	0.250	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000
	0.250				0.750				0.500								0.750	

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Observation Rd
City: Manassas

Project ID: 24-260054-003
Date: 3/14/2024

Data - Pedestrians (Crosswalks)

NS/EW Streets:	Wakeman Dr		Wakeman Dr		Observation Rd		Observation Rd		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		TOTAL
	EB	WB	EB	WB	NB	SB	NB	SB	
6:30 AM	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0
APPROACH %'s :									
PEAK HR :	07:00 AM - 08:00 AM								TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :									

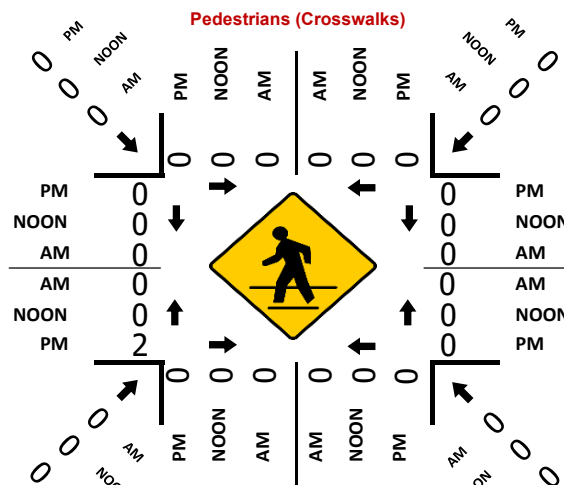
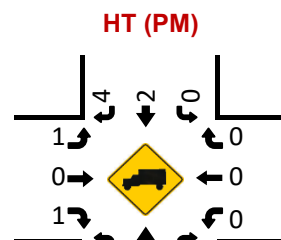
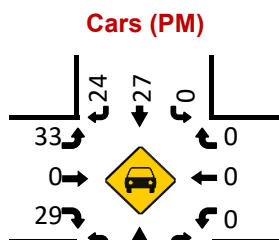
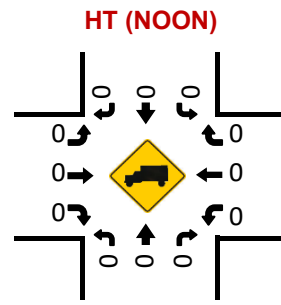
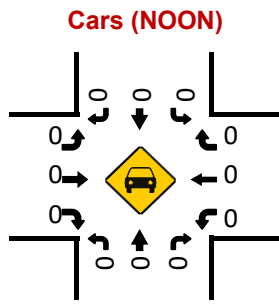
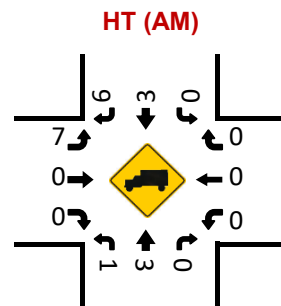
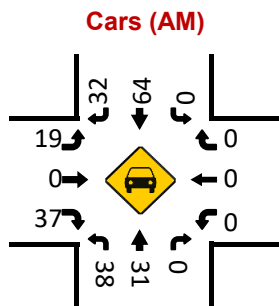
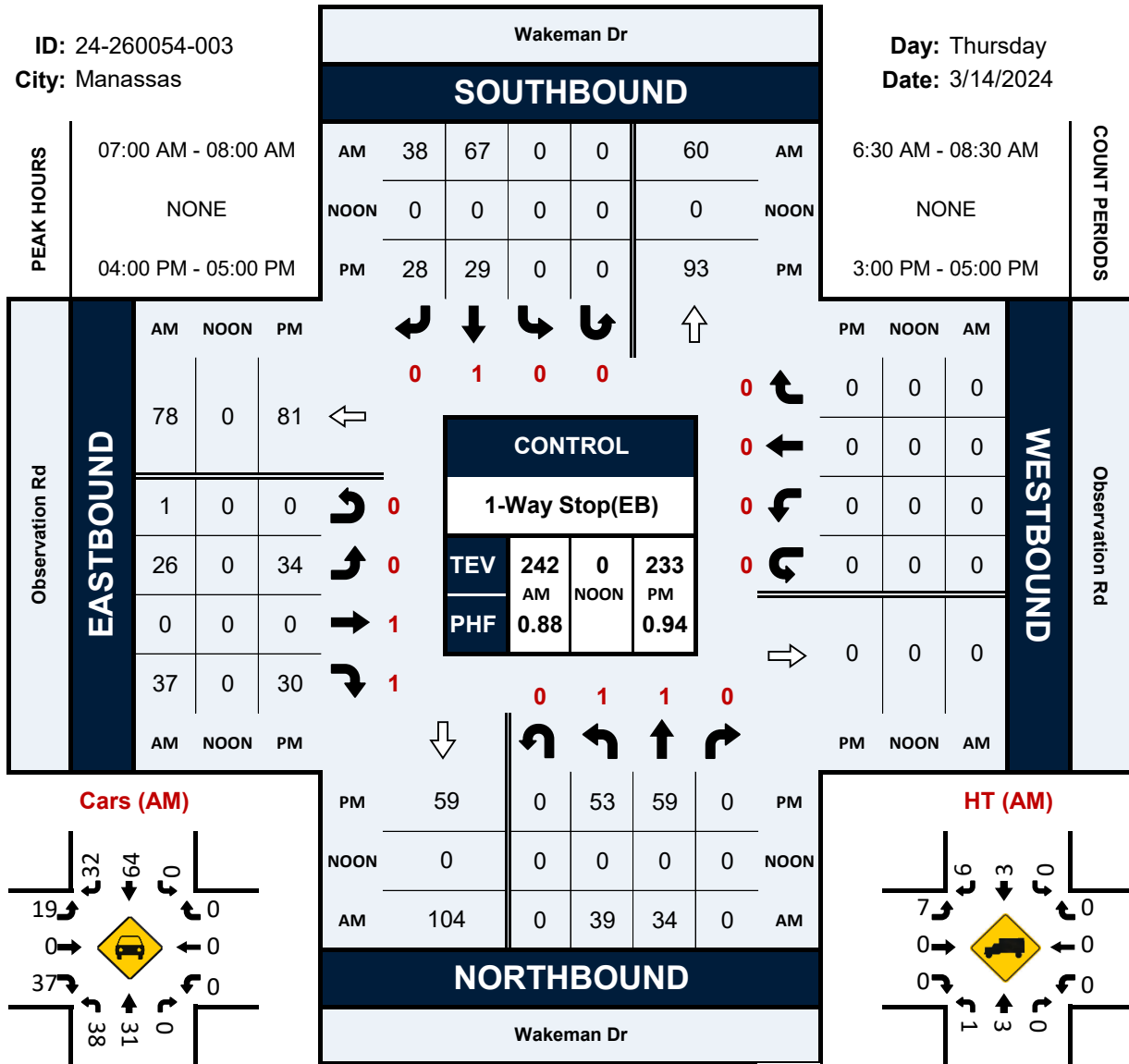
PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		TOTAL
	EB	WB	EB	WB	NB	SB	NB	SB	
3:00 PM	1	0	0	0	0	0	0	0	1
3:15 PM	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	2	0	2
TOTAL VOLUMES :	1	0	0	0	0	0	2	0	3
APPROACH %'s :	100.00%	0.00%					100.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM								TOTAL
PEAK HR VOL :	0	0	0	0	0	0	2	0	2
PEAK HR FACTOR :							0.250	0.250	0.250

Wakeman Dr & Observation Rd

Peak Hour Turning Movement Count

ID: 24-260054-003
City: Manassas

Day: Thursday
Date: 3/14/2024



Prepared by National Data & Surveying Services

10
158
153

PM

PM

10
11
10

Project ID: 24-260054-003
 Location: Wakeman Dr & Observation Rd
 City: Manassas

Day: Thursday
 Date: 3/14/2024

Groups Printed - Cars, PU, Vans - Heavy Trucks

Start Time	Wakeman Dr Northbound						Wakeman Dr Southbound						Observation Rd Eastbound						Observation Rd Westbound						Int. Total		
	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total			
6:30 AM	2	9	0	0	0	11	0	10	4	0	0	14	0	0	5	0	0	5	0	0	0	0	0	0	0	0	30
6:45 AM	8	4	0	0	0	12	0	13	8	0	0	21	1	0	7	0	0	8	0	0	0	0	0	0	0	0	41
Total	10	13	0	0	0	23	0	23	12	0	0	35	1	0	12	0	0	13	0	0	0	0	0	0	0	0	71
7:00 AM	13	8	0	0	0	21	0	15	12	0	0	27	6	0	9	1	0	16	0	0	0	0	0	0	0	0	64
7:15 AM	7	11	0	0	0	18	0	10	3	0	0	13	11	0	5	0	0	16	0	0	0	0	0	0	0	0	47
7:30 AM	13	9	0	0	0	22	0	21	12	0	0	33	3	0	4	0	0	7	0	0	0	0	0	0	0	0	62
7:45 AM	6	6	0	0	0	12	0	21	11	0	0	32	6	0	19	0	0	25	0	0	0	0	0	0	0	0	69
Total	39	34	0	0	0	73	0	67	38	0	0	105	26	0	37	1	0	64	0	0	0	0	0	0	0	0	242
8:00 AM	13	6	0	0	0	19	0	15	7	0	0	22	3	0	6	0	0	9	0	0	0	0	0	0	0	0	50
8:15 AM	1	10	0	0	0	11	0	15	7	0	0	22	4	0	9	0	0	13	0	0	0	0	0	0	0	0	46
Total	14	16	0	0	0	30	0	30	14	0	0	44	7	0	15	0	0	22	0	0	0	0	0	0	0	0	96
BREAK																											
3:00 PM	14	20	0	0	0	34	0	8	8	0	1	16	8	0	8	0	0	16	0	0	0	0	0	0	0	0	66
3:15 PM	10	10	0	0	0	20	0	6	8	0	0	14	8	0	9	0	0	17	0	0	0	0	0	0	0	0	51
3:30 PM	13	22	0	0	0	35	0	10	4	0	0	14	2	0	10	0	0	12	0	0	0	0	0	0	0	0	61
3:45 PM	11	18	0	0	0	29	0	7	0	0	0	7	2	0	4	0	0	6	0	0	0	0	0	0	0	0	42
Total	48	70	0	0	0	118	0	31	20	0	1	51	20	0	31	0	0	51	0	0	0	0	0	0	0	0	220
4:00 PM	17	20	0	0	0	37	0	8	6	0	0	14	3	0	7	0	0	10	0	0	0	0	0	0	0	0	61
4:15 PM	12	14	0	0	0	26	0	9	6	0	0	15	5	0	4	0	0	9	0	0	0	0	0	0	0	0	50
4:30 PM	12	8	0	0	0	20	0	8	13	0	0	21	12	0	9	0	0	21	0	0	0	0	0	0	0	0	62
4:45 PM	12	17	0	0	0	29	0	4	3	0	0	7	14	0	10	0	2	24	0	0	0	0	0	0	0	0	60
Total	53	59	0	0	0	112	0	29	28	0	0	57	34	0	30	0	2	64	0	0	0	0	0	0	0	0	233
Grand Total	164	192	0	0	0	356	0	180	112	0	1	292	88	0	125	1	2	214	0	0	0	0	0	0	0	0	862
Apprch %	46.1	53.9	0.0	0.0	0.0		0.0	61.6	38.4	0.0	0.3		41.1	0.0	58.4	0.5	0.9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total %	19.0	22.3	0.0	0.0	0.0	41.3	0.0	20.9	13.0	0.0	0.1	33.9	10.2	0.0	14.5	0.1	0.2	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cars, PU, Vans	162	183	0	0	0	345	0	174	94	0	0	268	76	0	122	1	0	199	0	0	0	0	0	0	0	0	812
% Cars, PU, Vans	98.8	95.3	0.0	0.0	0.0	96.9	0.0	96.7	83.9	0.0	0.0	91.8	86.4	0.0	97.6	100.0	0.0	93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.2
Heavy trucks	2	9	0	0	0	11	0	6	18	0	0	24	12	0	3	0	0	15	0	0	0	0	0	0	0	0	50
%Heavy trucks	1.2	4.7	0.0	0.0	0.0	3.1	0.0	3.3	16.1	0.0	0.0	8.2	13.6	0.0	2.4	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8

Project ID: 24-260054-003
 Location: Wakeman Dr & Observation Rd
 City: Manassas

PEAK HOURS

Day: Thursday
 Date: 3/14/2024

AM

Start Time	Wakeman Dr Northbound					Wakeman Dr Southbound					Observation Rd Eastbound					Observation Rd Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 06:30 AM - 08:30 AM																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
7:00 AM	13	8	0	0	21	0	15	12	0	27	6	0	9	1	16	0	0	0	0	0	64
7:15 AM	7	11	0	0	18	0	10	3	0	13	11	0	5	0	16	0	0	0	0	0	47
7:30 AM	13	9	0	0	22	0	21	12	0	33	3	0	4	0	7	0	0	0	0	0	62
7:45 AM	6	6	0	0	12	0	21	11	0	32	6	0	19	0	25	0	0	0	0	0	69
Total Volume	39	34	0	0	73	0	67	38	0	105	26	0	37	1	64	0	0	0	0	0	242
% App. Total	53.4	46.6	0.0	0.0	100	0.0	63.8	36.2	0.0	100	40.6	0.0	57.8	1.6	100	0.0	0.0	0.0	0.0	0.0	
PHF	0.830					0.795					0.640					0.877					
Cars, PU, Vans	38	31	0	0	69	0	64	32	0	96	19	0	37	1	57	0	0	0	0	0	222
% Cars, PU, Vans	97.4	91.2	0.0	0.0	94.5	0.0	95.5	84.2	0.0	91.4	73.1	0.0	100.0	100.0	89.1	0.0	0.0	0.0	0.0	0.0	91.7
Heavy trucks	1	3	0	0	4	0	3	6	0	9	7	0	0	0	7	0	0	0	0	0	20
%Heavy trucks	2.6	8.8	0.0	0.0	5.5	0.0	4.5	15.8	0.0	8.6	26.9	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0	8.3

PM

Start Time	Wakeman Dr Northbound					Wakeman Dr Southbound					Observation Rd Eastbound					Observation Rd Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 03:00 PM - 05:00 PM																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
4:00 PM	17	20	0	0	37	0	8	6	0	14	3	0	7	0	10	0	0	0	0	0	61
4:15 PM	12	14	0	0	26	0	9	6	0	15	5	0	4	0	9	0	0	0	0	0	50
4:30 PM	12	8	0	0	20	0	8	13	0	21	12	0	9	0	21	0	0	0	0	0	62
4:45 PM	12	17	0	0	29	0	4	3	0	7	14	0	10	0	24	0	0	0	0	0	60
Total Volume	53	59	0	0	112	0	29	28	0	57	34	0	30	0	64	0	0	0	0	0	233
% App. Total	47.3	52.7	0.0	0.0	100	0.0	50.9	49.1	0.0	100	53.1	0.0	46.9	0.0	100	0.0	0.0	0.0	0.0	0.0	
PHF	0.757					0.679					0.667					0.940					
Cars, PU, Vans	53	58	0	0	111	0	27	24	0	51	33	0	29	0	62	0	0	0	0	0	224
% Cars, PU, Vans	100.0	98.3	0.0	0.0	99.1	0.0	93.1	85.7	0.0	89.5	97.1	0.0	96.7	0.0	96.9	0.0	0.0	0.0	0.0	0.0	96.1
Heavy trucks	0	1	0	0	1	0	2	4	0	6	1	0	1	0	2	0	0	0	0	0	9
%Heavy trucks	0.0	1.7	0.0	0.0	0.9	0.0	6.9	14.3	0.0	10.5	2.9	0.0	3.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	3.9

National Data & Surveying Services

Intersection Turning Movement Count

Location: Observation Rd & Piper Ln/Observation Rd
City: Manassas
Control: 1-Way Stop(SB)

Project ID: 24-260054-005
Date: 3/14/2024

Data - Total

NS/EW Streets:	Observation Rd				Observation Rd				Piper Ln/Observation Rd				Piper Ln/Observation Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
6:30 AM	0	0	0	0	0	0	3	0	8	0	0	0	0	0	0	0	11
6:45 AM	0	0	0	0	1	0	13	0	9	0	0	0	0	0	0	0	23
7:00 AM	0	0	0	0	0	0	10	0	21	0	0	0	0	0	0	0	31
7:15 AM	0	0	0	0	0	0	5	0	19	0	0	0	0	0	0	0	24
7:30 AM	0	0	0	0	0	0	16	0	7	0	0	0	0	0	0	0	23
7:45 AM	0	0	0	0	0	0	9	1	28	0	0	0	0	0	0	0	38
8:00 AM	0	0	0	0	0	0	8	0	10	0	0	0	0	0	0	0	18
8:15 AM	0	0	0	0	0	0	5	0	13	0	0	0	0	0	0	0	18
TOTAL VOLUMES :	0	0	0	0	1	0	69	1	115	0	0	0	0	0	0	0	186
APPROACH %'s :					1.41%	0.00%	97.18%	1.41%	100.00%	0.00%	0.00%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																
PEAK HR VOL :	0	0	0	0	0	0	40	1	75	0	0	0	0	0	0	0	116
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.250	0.670	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.763
							0.641				0.670						
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	0	0	0	0	1	0	15	2	8	0	0	1	0	0	0	0	27
3:15 PM	0	0	0	0	0	0	20	1	12	0	0	0	0	0	0	0	33
3:30 PM	0	0	0	0	0	0	15	1	5	0	0	0	0	0	0	0	21
3:45 PM	0	0	0	0	0	0	9	3	4	0	0	0	0	0	0	0	16
4:00 PM	0	0	0	0	0	0	22	0	5	0	0	0	0	0	0	0	27
4:15 PM	0	0	0	0	0	0	16	0	7	0	0	0	0	0	1	0	24
4:30 PM	0	0	0	0	0	0	32	1	7	0	0	0	0	0	1	0	41
4:45 PM	0	0	0	0	0	0	22	1	9	0	0	0	0	0	0	0	32
TOTAL VOLUMES :	0	0	0	0	1	0	151	9	57	0	0	1	0	0	2	0	221
APPROACH %'s :					0.62%	0.00%	93.79%	5.59%	98.28%	0.00%	0.00%	1.72%	0.00%	0.00%	100.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																
PEAK HR VOL :	0	0	0	0	0	0	92	2	28	0	0	0	0	0	2	0	124
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.719	0.500	0.778	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.756
							0.712				0.778				0.500		

National Data & Surveying Services

Intersection Turning Movement Count

Location: Observation Rd & Piper Ln/Observation Rd
City: Manassas
Control: 1-Way Stop(SB)

Project ID: 24-260054-005
Date: 3/14/2024

Data - Cars

NS/EW Streets:	Observation Rd				Observation Rd				Piper Ln/Observation Rd				Piper Ln/Observation Rd					
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
	6:30 AM	0	0	0	0	0	0	3	0	8	0	0	0	0	0	0	0	11
	6:45 AM	0	0	0	0	1	0	13	0	7	0	0	0	0	0	0	0	21
	7:00 AM	0	0	0	0	0	0	10	0	21	0	0	0	0	0	0	0	31
	7:15 AM	0	0	0	0	0	0	5	0	16	0	0	0	0	0	0	0	21
	7:30 AM	0	0	0	0	0	0	10	0	6	0	0	0	0	0	0	0	16
	7:45 AM	0	0	0	0	0	0	9	1	26	0	0	0	0	0	0	0	36
	8:00 AM	0	0	0	0	0	0	7	0	10	0	0	0	0	0	0	0	17
	8:15 AM	0	0	0	0	0	0	5	0	13	0	0	0	0	0	0	0	18
TOTAL VOLUMES :	0	0	0	0	1	0	62	1	107	0	0	0	0	0	0	0	171	
APPROACH %'s :					1.56%	0.00%	96.88%	1.56%	100.00%	0.00%	0.00%	0.00%						
PEAK HR :	07:00 AM - 08:00 AM						34	1	69	0	0	0	0	0	0	0	104	
PEAK HR VOL :	0	0	0	0	0	0	0.850	0.250	0.663	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.722	
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.875	0.250	0.663	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.722	
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
	3:00 PM	0	0	0	0	0	0	12	2	6	0	0	1	0	0	0	0	21
	3:15 PM	0	0	0	0	0	0	18	0	10	0	0	0	0	0	0	0	28
	3:30 PM	0	0	0	0	0	0	15	1	5	0	0	0	0	0	0	0	21
	3:45 PM	0	0	0	0	0	0	9	3	4	0	0	0	0	0	0	0	16
	4:00 PM	0	0	0	0	0	0	21	0	4	0	0	0	0	0	0	0	25
	4:15 PM	0	0	0	0	0	0	15	0	7	0	0	0	0	0	0	0	22
	4:30 PM	0	0	0	0	0	0	30	1	7	0	0	0	0	0	1	0	39
	4:45 PM	0	0	0	0	0	0	22	1	9	0	0	0	0	0	0	0	32
TOTAL VOLUMES :	0	0	0	0	0	0	142	8	52	0	0	1	0	0	1	0	204	
APPROACH %'s :					0.00%	0.00%	94.67%	5.33%	98.11%	0.00%	0.00%	1.89%	0.00%	0.00%	100.00%	0.00%		
PEAK HR :	04:00 PM - 05:00 PM						88	2	27	0	0	0	0	0	1	0	118	
PEAK HR VOL :	0	0	0	0	0	0	0.733	0.500	0.750	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.756	
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.726	0.500	0.750	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.756	

National Data & Surveying Services

Intersection Turning Movement Count

Location: Observation Rd & Piper Ln/Observation Rd
City: Manassas
Control: 1-Way Stop(SB)

Project ID: 24-260054-005
Date: 3/14/2024

Data - HT

NS/EW Streets:	Observation Rd				Observation Rd				Piper Ln/Observation Rd				Piper Ln/Observation Rd				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
7:30 AM	0	0	0	0	0	0	6	0	1	0	0	0	0	0	0	0	7
7:45 AM	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
8:00 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	0	0	0	0	0	7	0	8	0	0	0	0	0	0	0	15
APPROACH %'s :					0.00%	0.00%	100.00%	0.00%	100.00%	0.00%	0.00%	0.00%					
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	6	0	6	0	0	0	0	0	0	0	12
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.429
							0.250				0.500						
PM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	0	0	0	0	1	0	3	0	2	0	0	0	0	0	0	0	6
3:15 PM	0	0	0	0	0	0	2	1	2	0	0	0	0	0	0	0	5
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
4:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2
4:30 PM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	0	0	0	1	0	9	1	5	0	0	0	0	0	1	0	17
APPROACH %'s :					9.09%	0.00%	81.82%	9.09%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	4	0	1	0	0	0	0	0	1	0	6
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.750
							0.500				0.250				0.250		

National Data & Surveying Services

Intersection Turning Movement Count

Location: Observation Rd & Piper Ln/Observation Rd
City: Manassas
Control: 1-Way Stop(SB)

Project ID: 24-260054-005
Date: 3/14/2024

Data - Bikes

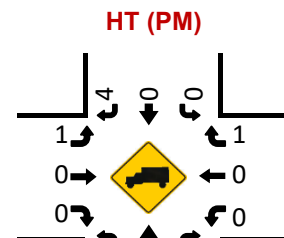
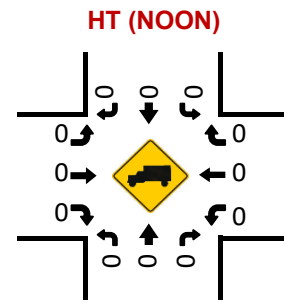
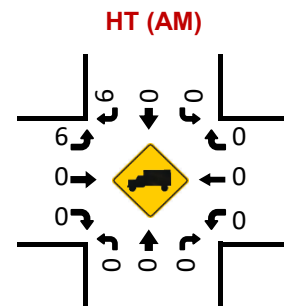
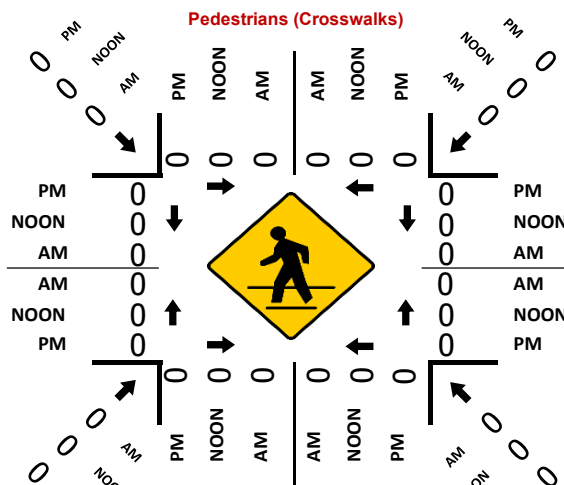
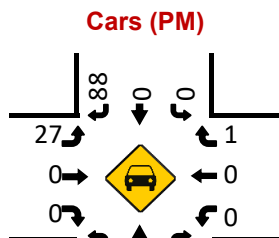
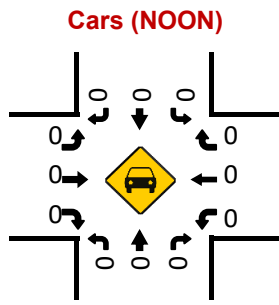
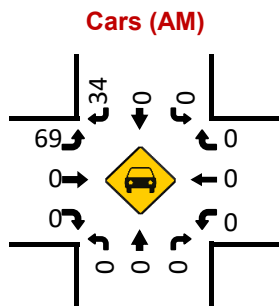
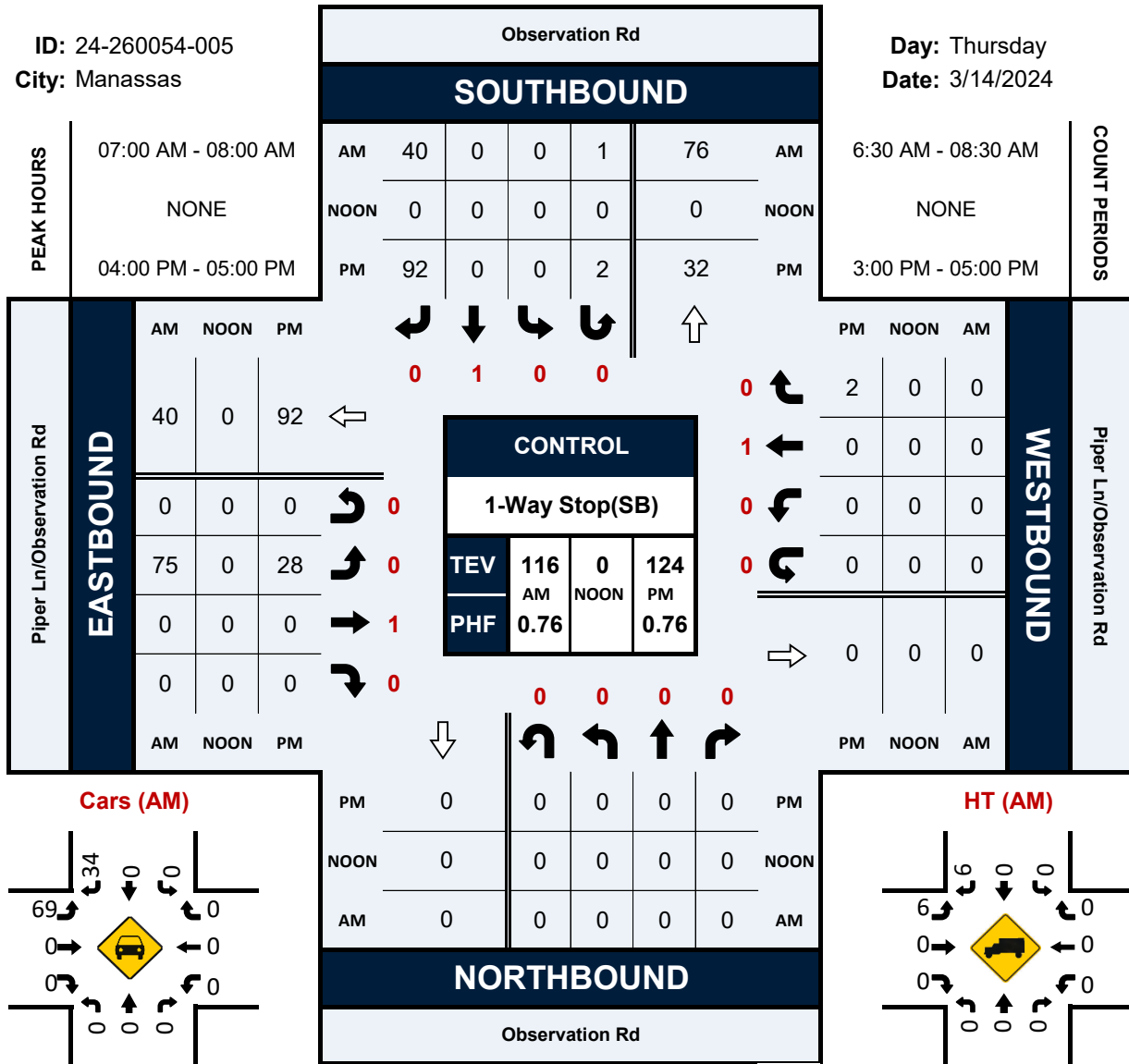
NS/EW Streets:	Observation Rd				Observation Rd				Piper Ln/Observation Rd				Piper Ln/Observation Rd					
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	
	6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %'s :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PEAK HR :	07:00 AM - 08:00 AM				0	0	0	0	0	0	0	0	0	0	0	0	0	
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	
	3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	4:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL VOLUMES :	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	
APPROACH %'s :	0	0	0	0	0.00%	0.00%	100.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0	0	0	0	0	
PEAK HR :	04:00 PM - 05:00 PM				0	0	1	0	0	0	0	0	0	0	0	0	1	
PEAK HR VOL :	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	

Observation Rd & Piper Ln/Observation Rd

Peak Hour Turning Movement Count

ID: 24-260054-005
City: Manassas

Day: Thursday
Date: 3/14/2024



Prepared by National Data & Surveying Services

03 01 05

PM ON

NOV PM

03 01 05

Project ID: 24-260054-005

Location: Observation Rd & Piper Ln/Observation Rd

City: Manassas

Day: Thursday

Date: 3/14/2024

Groups Printed - Cars, PU, Vans - Heavy Trucks

Start Time	Observation Rd Northbound						Observation Rd Southbound						Piper Ln/Observation Rd Eastbound						Piper Ln/Observation Rd Westbound						Int. Total						
	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total							
6:30 AM	0	0	0	0	0	0	0	0	3	0	0	3	8	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	11
6:45 AM	0	0	0	0	0	0	1	0	13	0	0	14	9	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	23
Total	0	0	0	0	0	0	1	0	16	0	0	17	17	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	34
7:00 AM	0	0	0	0	0	0	0	0	10	0	0	10	21	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	31
7:15 AM	0	0	0	0	0	0	0	0	5	0	0	5	19	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	24
7:30 AM	0	0	0	0	0	0	0	0	16	0	0	16	7	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	23
7:45 AM	0	0	0	0	0	0	0	0	9	1	0	10	28	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	38
Total	0	0	0	0	0	0	0	0	40	1	0	41	75	0	0	0	0	75	0	0	0	0	0	0	0	0	0	0	0	0	116
8:00 AM	0	0	0	0	0	0	0	0	8	0	0	8	10	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	18
8:15 AM	0	0	0	0	0	0	0	0	5	0	0	5	13	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	18
Total	0	0	0	0	0	0	0	0	13	0	0	13	23	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	36
BREAK																															
3:00 PM	0	0	0	0	0	0	1	0	15	2	0	18	8	0	0	1	0	9	0	0	0	0	0	0	0	0	0	0	0	0	27
3:15 PM	0	0	0	0	0	0	0	0	20	1	0	21	12	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	33
3:30 PM	0	0	0	0	0	0	0	0	15	1	0	16	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	21
3:45 PM	0	0	0	0	0	0	0	0	9	3	0	12	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	16
Total	0	0	0	0	0	0	1	0	59	7	0	67	29	0	0	1	0	30	0	0	0	0	0	0	0	0	0	0	0	0	97
4:00 PM	0	0	0	0	0	0	0	0	22	0	0	22	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	27
4:15 PM	0	0	0	0	0	0	0	0	16	0	0	16	7	0	0	0	0	7	0	0	1	0	0	1	0	0	0	0	0	1	24
4:30 PM	0	0	0	0	0	0	0	0	32	1	0	33	7	0	0	0	0	7	0	0	1	0	0	1	0	0	0	0	0	1	41
4:45 PM	0	0	0	0	0	0	0	0	22	1	0	23	9	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	32
Total	0	0	0	0	0	0	0	0	92	2	0	94	28	0	0	0	0	28	0	0	2	0	0	2	0	0	0	0	0	2	124
Grand Total	0	0	0	0	0	0	2	0	220	10	0	232	172	0	0	1	0	173	0	0	2	0	0	2	0	0	0	0	0	2	407
Apprch %	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	94.8	4.3	0.0	99.4	0.0	0.0	0.6	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	54.1	2.5	0.0	57.0	42.3	0.0	0.0	0.2	0.0	42.5	0.0	0.0	0.5	0.0	0.0	0.5							
Cars, PU, Vans	0	0	0	0	0	0	1	0	204	9	0	214	159	0	0	1	0	160	0	0	1	0	0	1	0	0	0	0	0	1	375
% Cars, PU, Vans	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	92.7	90.0	0.0	92.2	92.4	0.0	0.0	100.0	0.0	92.5	0.0	0.0	50.0	0.0	0.0	50.0						92.1	
Heavy trucks	0	0	0	0	0	0	1	0	16	1	0	18	13	0	0	0	0	13	0	0	1	0	0	1	0	0	0	0	0	1	32
%Heavy trucks	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	7.3	10.0	0.0	7.8	7.6	0.0	0.0	0.0	0.0	7.5	0.0	0.0	50.0	0.0	0.0	50.0						7.9	

Project ID: 24-260054-005

Location: Observation Rd & Piper Ln/Observation Rd
 City: Manassas

PEAK HOURS

Day: Thursday
 Date: 3/14/2024

AM

Start Time	Observation Rd Northbound					Observation Rd Southbound					Piper Ln/Observation Rd Eastbound					Piper Ln/Observation Rd Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 06:30 AM - 08:30 AM																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
7:00 AM	0	0	0	0	0	0	0	10	0	10	21	0	0	0	21	0	0	0	0	0	31
7:15 AM	0	0	0	0	0	0	0	5	0	5	19	0	0	0	19	0	0	0	0	0	24
7:30 AM	0	0	0	0	0	0	0	16	0	16	7	0	0	0	7	0	0	0	0	0	23
7:45 AM	0	0	0	0	0	0	0	9	1	10	28	0	0	0	28	0	0	0	0	0	38
Total Volume	0	0	0	0	0	0	0	40	1	41	75	0	0	0	75	0	0	0	0	0	116
% App. Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.6	2.4	100	100.0	0.0	0.0	0.0	100	0.0	0.0	0.0	0.0	0.0	0
PHF										0.641	0.670										0.763
Cars, PU, Vans	0	0	0	0	0	0	0	34	1	35	69	0	0	0	69	0	0	0	0	0	104
% Cars, PU, Vans	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.0	100.0	85.4	92.0	0.0	0.0	0.0	92.0	0.0	0.0	0.0	0.0	0.0	89.7
Heavy trucks	0	0	0	0	0	0	0	6	0	6	6	0	0	0	6	0	0	0	0	0	12
%Heavy trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	14.6	8.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	10.3

PM

Start Time	Observation Rd Northbound					Observation Rd Southbound					Piper Ln/Observation Rd Eastbound					Piper Ln/Observation Rd Westbound					Int. Total	
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total		
Peak Hour Analysis from 03:00 PM - 05:00 PM																						
Peak Hour for Entire Intersection Begins at 04:00 PM																						
4:00 PM	0	0	0	0	0	0	0	22	0	22	5	0	0	0	5	0	0	0	0	0	27	
4:15 PM	0	0	0	0	0	0	0	16	0	16	7	0	0	0	7	0	0	1	0	1	24	
4:30 PM	0	0	0	0	0	0	0	32	1	33	7	0	0	0	7	0	0	1	0	1	41	
4:45 PM	0	0	0	0	0	0	0	22	1	23	9	0	0	0	9	0	0	0	0	0	32	
Total Volume	0	0	0	0	0	0	0	92	2	94	28	0	0	0	28	0	0	2	0	2	124	
% App. Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.9	2.1	100	100.0	0.0	0.0	0.0	100	0.0	0.0	100.0	0.0	100	0	
PHF										0.712	0.778										0.500	0.756
Cars, PU, Vans	0	0	0	0	0	0	0	88	2	90	27	0	0	0	27	0	0	1	0	1	118	
% Cars, PU, Vans	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.7	100.0	95.7	96.4	0.0	0.0	0.0	96.4	0.0	0.0	50.0	0.0	50.0	95.2	
Heavy trucks	0	0	0	0	0	0	0	4	0	4	1	0	0	0	1	0	0	1	0	1	6	
%Heavy trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	4.3	3.6	0.0	0.0	0.0	3.6	0.0	0.0	50.0	0.0	50.0	4.8	

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Harry J Parrish Blvd West (Northern)
City: Manassas
Control: 1-Way Stop(EB)

Project ID: 24-260054-007
Date: 3/14/2024

Data - Total

NS/EW Streets:	Wakeman Dr				Wakeman Dr				Harry J Parrish Blvd West (Northern)				Harry J Parrish Blvd West (Northern)				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
6:30 AM	0	1	0	0	0	7	3	0	0.5	0	0.5	0	0	0	0	0	25
6:45 AM	3	12	0	0	0	7	6	0	1	0	0	0	0	0	0	0	29
7:00 AM	2	23	0	0	0	8	6	0	2	0	0	0	0	0	0	0	41
7:15 AM	0	23	0	0	0	8	3	0	4	0	0	0	0	0	0	0	38
7:30 AM	0	22	0	0	0	12	4	0	0	0	1	0	0	0	0	0	39
7:45 AM	4	16	0	0	0	15	9	0	3	0	0	0	0	0	0	0	47
8:00 AM	2	23	0	0	0	11	3	0	4	0	0	0	0	0	0	0	43
8:15 AM	2	15	0	0	0	7	2	0	2	0	1	0	0	0	0	0	29
TOTAL VOLUMES :	15	147	0	0	0	75	36	0	16	0	2	0	0	0	0	0	291
APPROACH %'s :	9.26%	90.74%	0.00%	0.00%	0.00%	67.57%	32.43%	0.00%	88.89%	0.00%	11.11%	0.00%					
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	6	84	0	0	0	46	19	0	11	0	1	0	0	0	0	0	167
PEAK HR FACTOR :	0.375	0.913	0.000	0.000	0.000	0.767	0.528	0.000	0.688	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.888
	0.900				0.677				0.750								
PM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	0	1	0	0	0	1	1	0	0.5	0	0.5	0	0	0	0	0	59
3:15 PM	3	28	0	0	0	8	9	0	8	0	2	1	0	0	0	0	29
3:30 PM	0	6	0	0	0	15	3	0	5	0	0	0	0	0	0	0	49
3:45 PM	3	19	0	0	0	16	4	0	6	0	1	0	0	0	0	0	34
4:00 PM	0	16	0	0	0	12	3	0	1	0	2	0	0	0	0	0	47
4:15 PM	2	23	0	0	0	18	1	0	1	0	2	0	0	0	0	0	42
4:30 PM	6	13	0	0	0	18	1	0	4	0	0	0	0	0	0	0	24
4:45 PM	0	9	0	0	0	12	1	0	1	0	1	0	0	0	0	0	43
4:45 PM	1	22	0	0	0	13	4	0	2	0	1	0	0	0	0	0	
TOTAL VOLUMES :	15	136	0	0	0	112	26	0	28	0	9	1	0	0	0	0	327
APPROACH %'s :	9.93%	90.07%	0.00%	0.00%	0.00%	81.16%	18.84%	0.00%	73.68%	0.00%	23.68%	2.63%					
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	11	71	0	0	0	64	9	0	12	0	5	0	0	0	0	0	172
PEAK HR FACTOR :	0.458	0.772	0.000	0.000	0.000	0.889	0.563	0.000	0.500	0.000	0.625	0.000	0.000	0.000	0.000	0.000	0.878
	0.820				0.913				0.607								

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Harry J Parrish Blvd West (Northern)
City: Manassas
Control: 1-Way Stop(EB)

Project ID: 24-260054-007
Date: 3/14/2024

Data - Cars

NS/EW Streets:	Wakeman Dr				Wakeman Dr				Harry J Parrish Blvd West (Northern)				Harry J Parrish Blvd West (Northern)				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
6:30 AM	2	12	0	0	0	7	3	0	0	0	0	0	0	0	0	0	24
6:45 AM	3	12	0	0	0	6	6	0	0	1	0	0	0	0	0	0	28
7:00 AM	1	23	0	0	0	8	6	0	0	2	0	0	0	0	0	0	40
7:15 AM	0	22	0	0	0	8	2	0	0	2	0	0	0	0	0	0	34
7:30 AM	0	22	0	0	0	12	4	0	0	0	0	1	0	0	0	0	39
7:45 AM	4	15	0	0	0	15	9	0	0	3	0	0	0	0	0	0	46
8:00 AM	2	23	0	0	0	11	3	0	0	4	0	0	0	0	0	0	43
8:15 AM	2	15	0	0	0	7	2	0	0	2	0	0	0	0	0	0	28
TOTAL VOLUMES :	14	144	0	0	0	74	35	0	0	14	0	1	0	0	0	0	282
APPROACH %'s :	8.86%	91.14%	0.00%	0.00%	0.00%	67.89%	32.11%	0.00%	0.00%	93.33%	0.00%	6.67%	0.00%	0.00%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	6	82	0	0	0	46	18	0	0	9	0	1	0	0	0	0	162
PEAK HR FACTOR :	0.375	0.891	0.000	0.000	0.000	0.767	0.500	0.000	0.000	0.563	0.000	0.250	0.000	0.000	0.000	0.000	0.880
	0.880				0.667				0.625								
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
3:00 PM	3	25	0	0	0	7	9	0	0	8	0	2	1	0	0	0	55
3:15 PM	0	6	0	0	0	14	3	0	0	5	0	0	0	0	0	0	28
3:30 PM	2	18	0	0	0	16	4	0	0	6	0	1	0	0	0	0	47
3:45 PM	0	15	0	0	0	11	3	0	0	1	0	2	0	0	0	0	32
4:00 PM	2	22	0	0	0	17	1	0	0	1	0	2	0	0	0	0	45
4:15 PM	5	13	0	0	0	17	1	0	0	4	0	0	0	0	0	0	40
4:30 PM	0	9	0	0	0	12	1	0	0	1	0	1	0	0	0	0	24
4:45 PM	1	22	0	0	0	13	3	0	0	2	0	1	0	0	0	0	42
TOTAL VOLUMES :	13	130	0	0	0	107	25	0	0	28	0	9	1	0	0	0	313
APPROACH %'s :	9.09%	90.91%	0.00%	0.00%	0.00%	81.06%	18.94%	0.00%	0.00%	73.68%	0.00%	23.68%	2.63%	0.00%	0.00%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	9	68	0	0	0	61	9	0	0	12	0	5	0	0	0	0	164
PEAK HR FACTOR :	0.450	0.773	0.000	0.000	0.000	0.897	0.563	0.000	0.000	0.500	0.000	0.625	0.000	0.000	0.000	0.000	0.872
	0.802				0.875				0.607								

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Harry J Parrish Blvd West (Northern)
City: Manassas
Control: 1-Way Stop(EB)

Project ID: 24-260054-007
Date: 3/14/2024

Data - HT

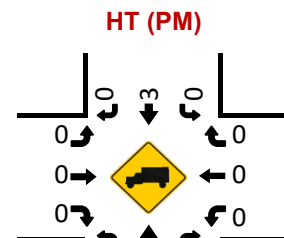
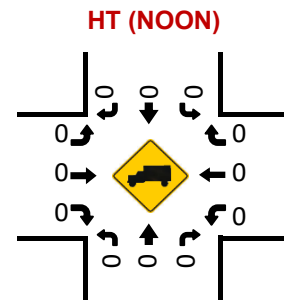
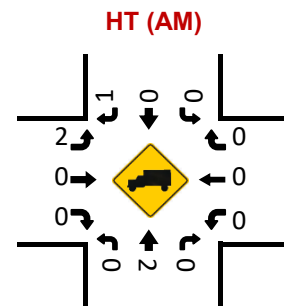
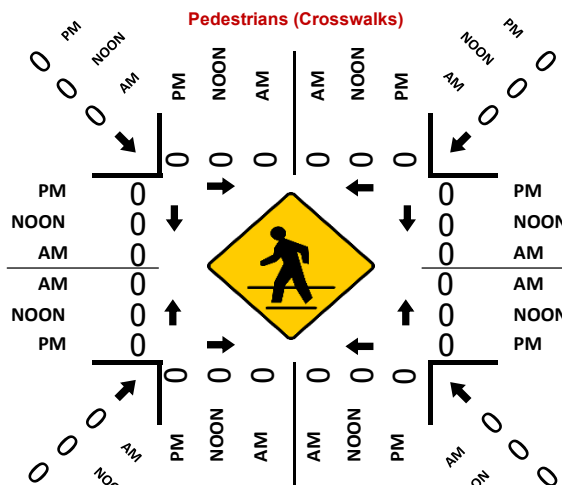
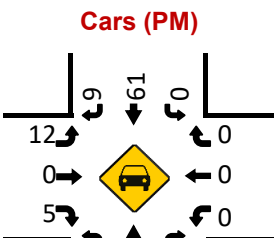
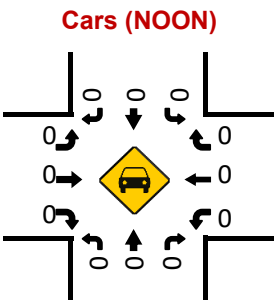
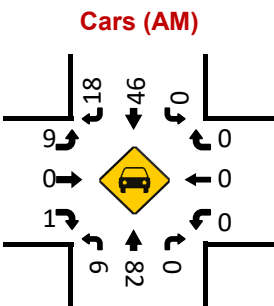
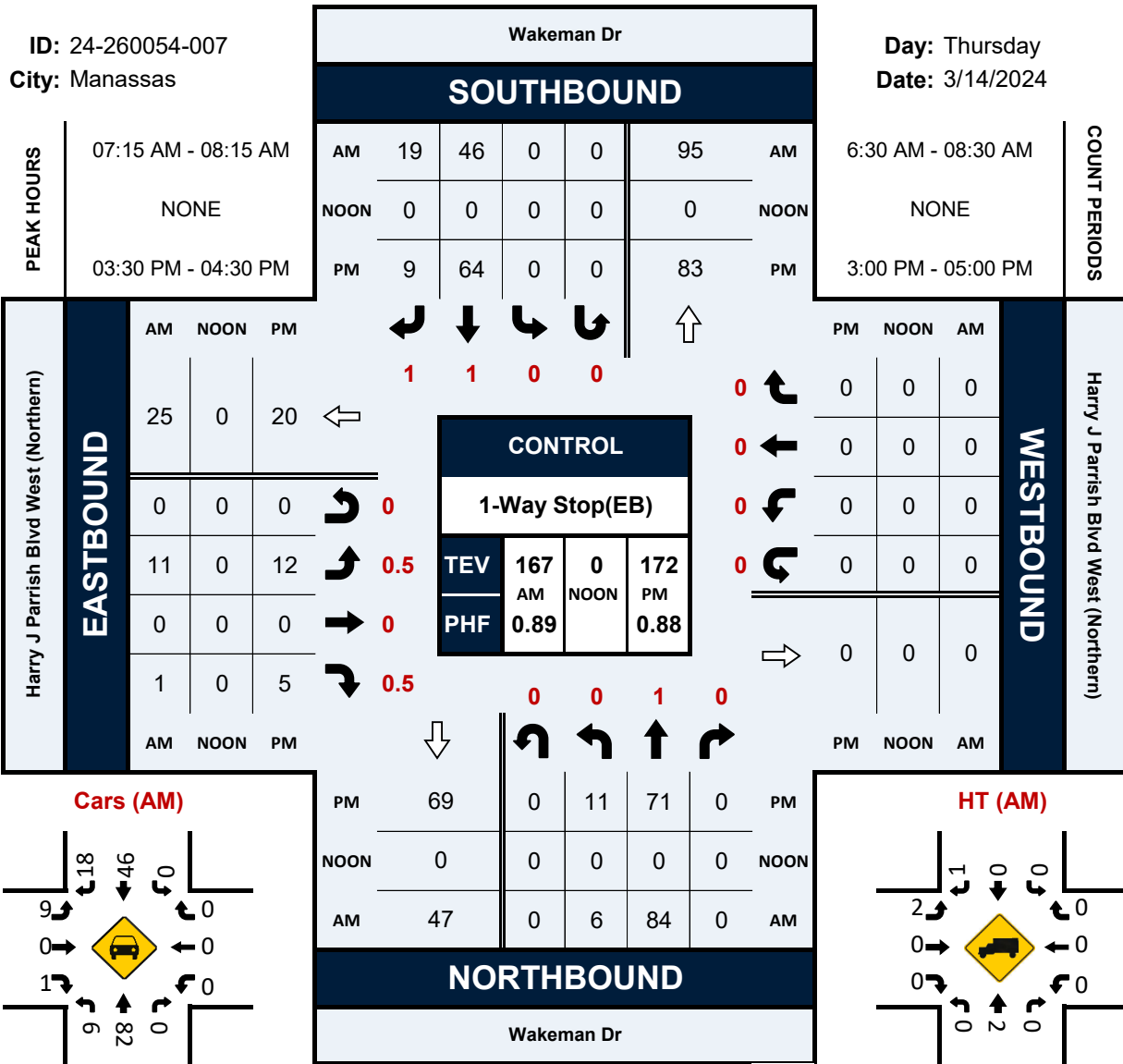
NS/EW Streets:	Wakeman Dr				Wakeman Dr				Harry J Parrish Blvd West (Northern)				Harry J Parrish Blvd West (Northern)				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
6:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6:45 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:00 AM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7:15 AM	0	1	0	0	0	0	1	0	0	2	0	0	0	0	0	0	4
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
TOTAL VOLUMES :	1	3	0	0	0	1	1	0	0	2	0	1	0	0	0	0	9
APPROACH %'s :	25.00%	75.00%	0.00%	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	66.67%	0.00%	33.33%	0.00%	0.00%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	0	2	0	0	0	0	1	0	0	2	0	0	0	0	0	0	5
PEAK HR FACTOR :	0.000	0.500	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.313
	0.500				0.250				0.250								
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
3:00 PM	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
3:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3:30 PM	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3:45 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
4:00 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
4:15 PM	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
TOTAL VOLUMES :	2	6	0	0	0	5	1	0	0	0	0	0	0	0	0	0	14
APPROACH %'s :	25.00%	75.00%	0.00%	0.00%	0.00%	83.33%	16.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	2	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	8
PEAK HR FACTOR :	0.500	0.750	0.000	0.000	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000
	0.625				0.750												

Wakeman Dr & Harry J Parrish Blvd West (Northern)

Peak Hour Turning Movement Count

ID: 24-260054-007
City: Manassas

Day: Thursday
Date: 3/14/2024



Prepared by National Data & Surveying Services

10
168
19

NOV
PM

NOV
PM

10
13
12

Project ID: 24-260054-007

Location: Wakeman Dr & Harry J Parrish Blvd West (Northern)
 City: Manassas

PEAK HOURS

Day: Thursday
 Date: 3/14/2024

AM

Start Time	Wakeman Dr Northbound					Wakeman Dr Southbound					Harry J Parrish Blvd West (Northern) Eastbound					Harry J Parrish Blvd West (Northern) Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 06:30 AM - 08:30 AM																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
7:15 AM	0	23	0	0	23	0	8	3	0	11	4	0	0	0	4	0	0	0	0	0	38
7:30 AM	0	22	0	0	22	0	12	4	0	16	0	0	1	0	1	0	0	0	0	0	39
7:45 AM	4	16	0	0	20	0	15	9	0	24	3	0	0	0	3	0	0	0	0	0	47
8:00 AM	2	23	0	0	25	0	11	3	0	14	4	0	0	0	4	0	0	0	0	0	43
Total Volume	6	84	0	0	90	0	46	19	0	65	11	0	1	0	12	0	0	0	0	0	167
% App. Total	6.7	93.3	0.0	0.0	100	0.0	70.8	29.2	0.0	100	91.7	0.0	8.3	0.0	100	0.0	0.0	0.0	0.0	0	
PHF					0.900						0.677						0.750	0.888			
Cars, PU, Vans	6	82	0	0	88	0	46	18	0	64	9	0	1	0	10	0	0	0	0	0	162
% Cars, PU, Vans	100.0	97.6	0.0	0.0	97.8	0.0	100.0	94.7	0.0	98.5	81.8	0.0	100.0	0.0	83.3	0.0	0.0	0.0	0.0	0.0	97.0
Heavy trucks	0	2	0	0	2	0	0	1	0	1	2	0	0	0	2	0	0	0	0	0	5
%Heavy trucks	0.0	2.4	0.0	0.0	2.2	0.0	0.0	5.3	0.0	1.5	18.2	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	3.0

PM

Start Time	Wakeman Dr Northbound					Wakeman Dr Southbound					Harry J Parrish Blvd West (Northern) Eastbound					Harry J Parrish Blvd West (Northern) Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 03:00 PM - 05:00 PM																					
Peak Hour for Entire Intersection Begins at 03:30 PM																					
3:30 PM	3	19	0	0	22	0	16	4	0	20	6	0	1	0	7	0	0	0	0	0	49
3:45 PM	0	16	0	0	16	0	12	3	0	15	1	0	2	0	3	0	0	0	0	0	34
4:00 PM	2	23	0	0	25	0	18	1	0	19	1	0	2	0	3	0	0	0	0	0	47
4:15 PM	6	13	0	0	19	0	18	1	0	19	4	0	0	0	4	0	0	0	0	0	42
Total Volume	11	71	0	0	82	0	64	9	0	73	12	0	5	0	17	0	0	0	0	0	172
% App. Total	13.4	86.6	0.0	0.0	100	0.0	87.7	12.3	0.0	100	70.6	0.0	29.4	0.0	100	0.0	0.0	0.0	0.0	0	
PHF					0.820						0.913						0.607	0.878			
Cars, PU, Vans	9	68	0	0	77	0	61	9	0	70	12	0	5	0	17	0	0	0	0	0	164
% Cars, PU, Vans	81.8	95.8	0.0	0.0	93.9	0.0	95.3	100.0	0.0	95.9	100.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	95.3
Heavy trucks	2	3	0	0	5	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	8
%Heavy trucks	18.2	4.2	0.0	0.0	6.1	0.0	4.7	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Harry J Parrish Blvd East (Central)
City: Manassas
Control: 2-Way Stop(EB/WB)

Project ID: 24-260054-008
Date: 3/14/2024

Data - Total

NS/EW Streets:	Wakeman Dr				Wakeman Dr				Harry J Parrish Blvd East (Central)				Harry J Parrish Blvd East (Central)				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
6:30 AM	0	0	0	0	7	0	0	0	0	0	0	0	0	0	15	0	22
6:45 AM	0	1	1	0	3	4	0	0	0	0	0	0	2	3	14	1	29
7:00 AM	2	3	0	0	7	1	0	0	0	0	1	0	3	2	22	0	41
7:15 AM	1	3	0	0	7	0	1	0	0	1	0	0	1	0	19	0	33
7:30 AM	1	1	0	0	11	1	1	0	0	0	1	0	0	5	21	0	42
7:45 AM	1	0	0	0	10	5	0	0	0	1	0	0	6	2	21	0	46
8:00 AM	0	1	0	0	6	4	1	0	0	0	0	0	5	1	23	0	41
8:15 AM	0	0	0	0	5	2	0	0	0	0	0	0	3	1	17	0	28
TOTAL VOLUMES :	5	9	1	0	56	17	3	0	1	2	1	0	20	14	152	1	282
APPROACH %'s :	33.33%	60.00%	6.67%	0.00%	73.68%	22.37%	3.95%	0.00%	25.00%	50.00%	25.00%	0.00%	10.70%	7.49%	81.28%	0.53%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	3	5	0	0	34	10	3	0	1	2	0	0	12	8	84	0	162
PEAK HR FACTOR :	0.750	0.417	0.000	0.000	0.773	0.500	0.750	0.000	0.250	0.500	0.000	0.000	0.500	0.400	0.913	0.000	0.880
	0.500				0.783				0.750				0.897				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
PM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
	3:00 PM	0	6	2	0	9	1	0	0	11	1	0	0	1	1	15	0
3:15 PM	0	0	2	0	13	2	0	0	4	0	0	0	1	1	3	0	26
3:30 PM	0	4	5	0	14	3	0	0	2	1	0	0	1	0	14	0	44
3:45 PM	1	1	1	0	13	1	0	0	0	1	4	0	0	1	15	0	38
4:00 PM	1	3	3	0	19	1	0	0	1	2	0	0	1	0	21	0	52
4:15 PM	0	2	2	0	16	2	0	0	0	1	0	0	0	0	17	0	40
4:30 PM	0	4	4	0	12	1	0	0	0	1	0	0	2	0	5	0	29
4:45 PM	1	6	1	0	11	2	1	0	1	0	0	0	1	0	16	0	40
TOTAL VOLUMES :	3	26	20	0	107	13	1	0	19	7	4	0	7	3	106	0	316
APPROACH %'s :	6.12%	53.06%	40.82%	0.00%	88.43%	10.74%	0.83%	0.00%	63.33%	23.33%	13.33%	0.00%	6.03%	2.59%	91.38%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	2	10	11	0	62	7	0	0	3	5	4	0	2	1	67	0	174
PEAK HR FACTOR :	0.500	0.625	0.550	0.000	0.816	0.583	0.000	0.000	0.375	0.625	0.250	0.000	0.500	0.250	0.798	0.000	0.837
	0.639				0.863				0.600				0.795				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Harry J Parrish Blvd East (Central)
City: Manassas
Control: 2-Way Stop(EB/WB)

Project ID: 24-260054-008
Date: 3/14/2024

Data - Cars

NS/EW Streets:	Wakeman Dr				Wakeman Dr				Harry J Parrish Blvd East (Central)				Harry J Parrish Blvd East (Central)				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
6:30 AM	0	0	0	0	7	0	0	0	0	0	0	0	0	0	14	0	21
6:45 AM	0	1	1	0	3	3	0	0	0	0	0	0	2	3	14	1	28
7:00 AM	2	3	0	0	7	1	0	0	0	0	1	0	3	2	21	0	40
7:15 AM	1	3	0	0	7	0	1	0	1	0	0	0	1	0	18	0	32
7:30 AM	1	1	0	0	11	1	1	0	0	1	0	0	0	5	21	0	42
7:45 AM	1	0	0	0	10	5	0	0	0	1	0	0	6	2	20	0	45
8:00 AM	0	1	0	0	6	4	1	0	0	0	0	0	5	1	23	0	41
8:15 AM	0	0	0	0	5	2	0	0	0	0	0	0	2	1	17	0	27
TOTAL VOLUMES :	5	9	1	0	56	16	3	0	1	2	1	0	19	14	148	1	276
APPROACH %'s :	33.33%	60.00%	6.67%	0.00%	74.67%	21.33%	4.00%	0.00%	25.00%	50.00%	25.00%	0.00%	10.44%	7.69%	81.32%	0.55%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	3	5	0	0	34	10	3	0	1	2	0	0	12	8	82	0	160
PEAK HR FACTOR :	0.750	0.417	0.000	0.000	0.773	0.500	0.750	0.000	0.250	0.500	0.000	0.000	0.500	0.400	0.891	0.000	0.889
	0.500				0.783				0.750				0.879				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
3:00 PM	0	6	2	0	9	0	0	0	11	1	0	0	1	1	12	0	43
3:15 PM	0	0	2	0	13	1	0	0	4	0	0	0	1	1	3	0	25
3:30 PM	0	4	4	0	14	3	0	0	2	1	0	0	1	0	12	0	41
3:45 PM	1	1	1	0	12	1	0	0	0	1	4	0	0	1	14	0	36
4:00 PM	1	3	3	0	18	1	0	0	1	2	0	0	1	0	20	0	50
4:15 PM	0	2	2	0	16	1	0	0	0	1	0	0	0	0	16	0	38
4:30 PM	0	4	3	0	12	1	0	0	0	1	0	0	2	0	5	0	28
4:45 PM	1	6	1	0	11	2	1	0	1	0	0	0	1	0	16	0	40
TOTAL VOLUMES :	3	26	18	0	105	10	1	0	19	7	4	0	7	3	98	0	301
APPROACH %'s :	6.38%	55.32%	38.30%	0.00%	90.52%	8.62%	0.86%	0.00%	63.33%	23.33%	13.33%	0.00%	6.48%	2.78%	90.74%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	2	10	10	0	60	6	0	0	3	5	4	0	2	1	62	0	165
PEAK HR FACTOR :	0.500	0.625	0.625	0.000	0.833	0.500	0.000	0.000	0.375	0.625	0.250	0.000	0.500	0.250	0.775	0.000	0.825
	0.688				0.868				0.600				0.774				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Harry J Parrish Blvd East (Central)
City: Manassas
Control: 2-Way Stop(EB/WB)

Project ID: 24-260054-008
Date: 3/14/2024

Data - HT

NS/EW Streets:	Wakeman Dr				Wakeman Dr				Harry J Parrish Blvd East (Central)				Harry J Parrish Blvd East (Central)						
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL		
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU			
6:30 AM	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0.5	0.5	0	0	1
6:45 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
TOTAL VOLUMES :	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	4	0	0	6
APPROACH %'s :					0.00%	100.00%	0.00%	0.00%					20.00%	0.00%	80.00%	0.00%			
PEAK HR :	07:15 AM - 08:15 AM																		TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500
															0.500				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL		
PM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU			
	3:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	4
3:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	
3:30 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3	
3:45 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2	
4:00 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2	
4:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2	
4:30 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL VOLUMES :	0	0	2	0	2	3	0	0	0	0	0	0	0	0	8	0	0	15	
APPROACH %'s :	0.00%	0.00%	100.00%	0.00%	40.00%	60.00%	0.00%	0.00%					0.00%	0.00%	100.00%	0.00%			
PEAK HR :	03:30 PM - 04:30 PM																		TOTAL
PEAK HR VOL :	0	0	1	0	2	1	0	0	0	0	0	0	0	0	5	0	0	9	
PEAK HR FACTOR :	0.000	0.000	0.250	0.000	0.500	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.750	
			0.250				0.750								0.625				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Harry J Parrish Blvd East (Central)
City: Manassas
Control: 2-Way Stop(EB/WB)

Project ID: 24-260054-008
Date: 3/14/2024

Data - Bikes

NS/EW Streets:	Wakeman Dr				Wakeman Dr				Harry J Parrish Blvd East (Central)				Harry J Parrish Blvd East (Central)						
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL		
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU			
6:30 AM	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0.5	0.5	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0.5	0.5	0	0	0
APPROACH %'s :	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	100.00%	0.00%	0	0
PEAK HR :	07:15 AM - 08:15 AM																TOTAL		
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250
													0.250						
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL		
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU			
3:00 PM	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	2
3:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
3:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
3:45 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:00 PM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	6	1	0	0	2	0	0	0	0	1	0	0	0	1	0	0	0	10
APPROACH %'s :	0.00%	85.71%	14.29%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0	0	0	0.00%	100.00%	0.00%	0.00%	0	0
PEAK HR :	03:30 PM - 04:30 PM																TOTAL		
PEAK HR VOL :	0	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	5
PEAK HR FACTOR :	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.625
													0.250						

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Harry J Parrish Blvd East (Central)
City: Manassas

Project ID: 24-260054-008
Date: 3/14/2024

Data - Pedestrians (Crosswalks)

NS/EW Streets:	Wakeman Dr		Wakeman Dr		Harry J Parrish Blvd East (Central)		Harry J Parrish Blvd East (Central)		TOTAL
	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	
AM									
6:30 AM	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES : APPROACH %'s :	0	0	0	0	0	0	0	0	0
PEAK HR :	07:15 AM - 08:15 AM								TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :									

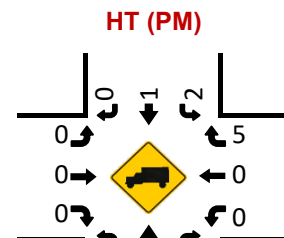
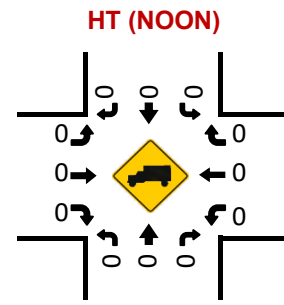
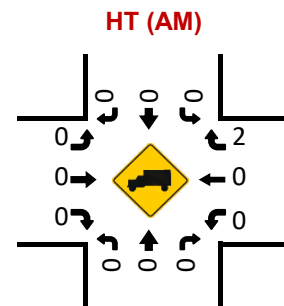
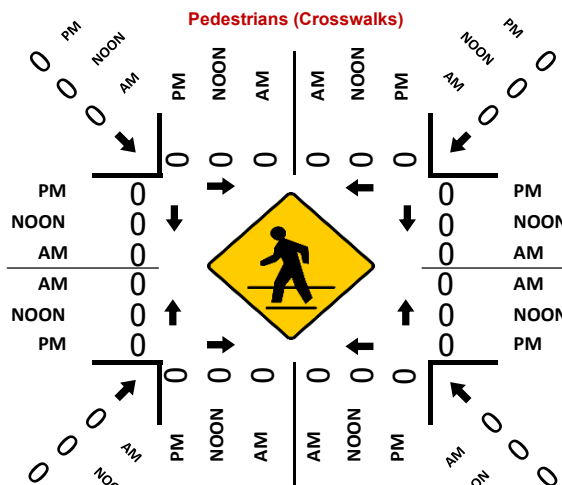
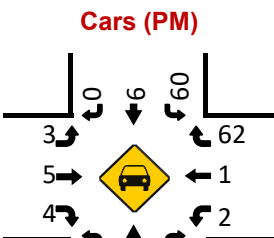
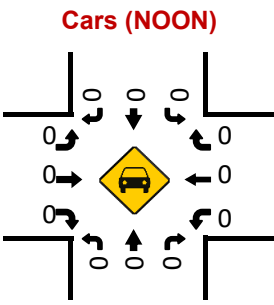
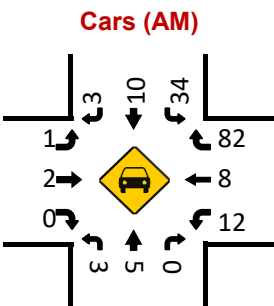
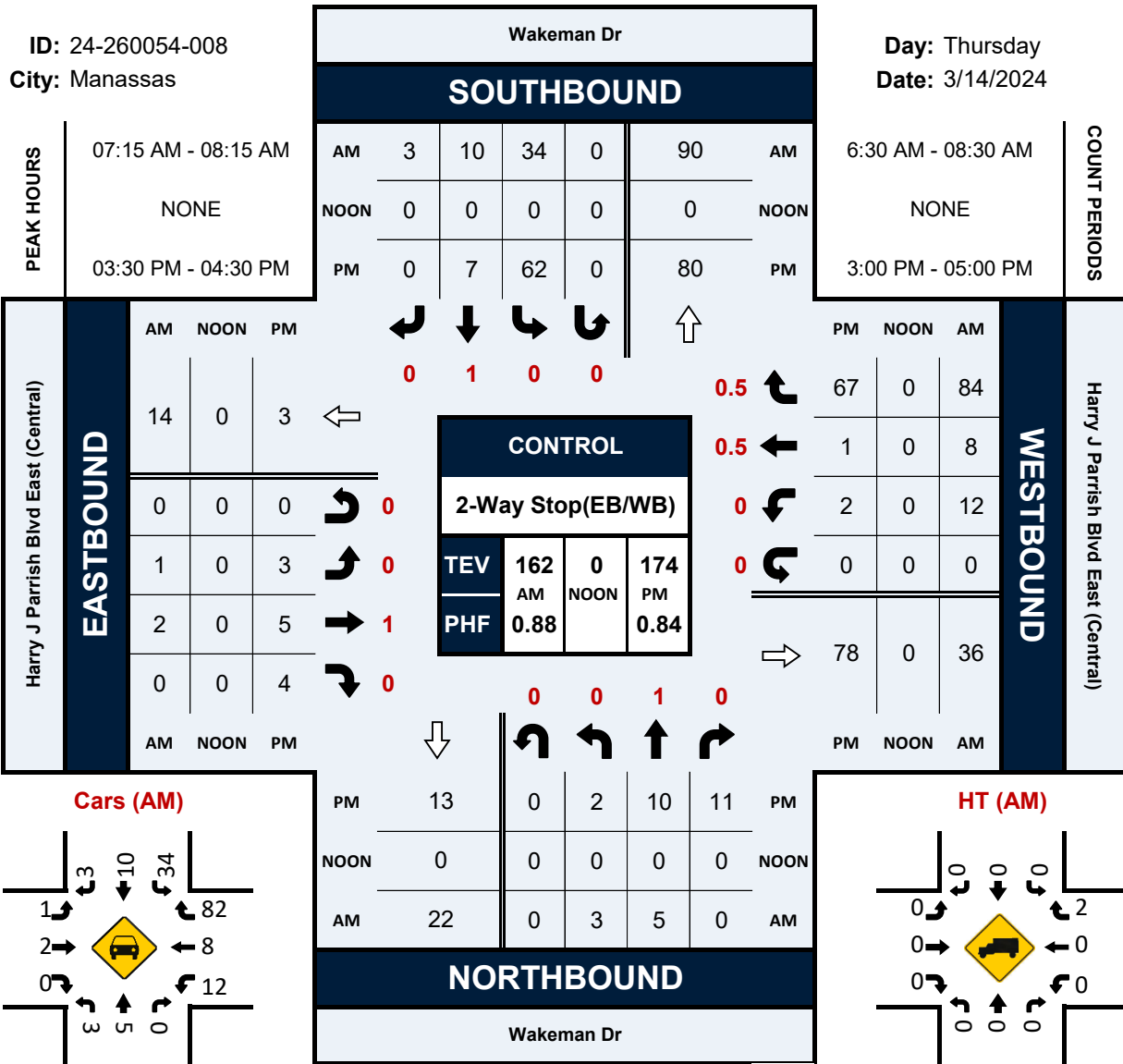
NS/EW Streets:	Wakeman Dr		Wakeman Dr		Harry J Parrish Blvd East (Central)		Harry J Parrish Blvd East (Central)		TOTAL
	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	
PM									
3:00 PM	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES : APPROACH %'s :	0	0	0	0	0	0	0	0	0
PEAK HR :	03:30 PM - 04:30 PM								TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :									

Wakeman Dr & Harry J Parrish Blvd East (Central)

Peak Hour Turning Movement Count

ID: 24-260054-008
City: Manassas

Day: Thursday
Date: 3/14/2024



Prepared by National Data & Surveying Services

L 10
H 10
F 2

ON
PM

PM
ON

L 1
H 0
F 0

Project ID: 24-260054-008

Location: Wakeman Dr & Harry J Parrish Blvd East (Central)

City: Manassas

Day: Thursday

Date: 3/14/2024

Groups Printed - Cars, PU, Vans - Heavy Trucks

Start Time	Wakeman Dr Northbound						Wakeman Dr Southbound						Harry J Parrish Blvd East (Central) Eastbound						Harry J Parrish Blvd East (Central) Westbound						Int. Total	
	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total		
6:30 AM	0	0	0	0	0	0	7	0	0	0	0	7	0	0	0	0	0	0	0	0	15	0	0	0	15	22
6:45 AM	0	1	1	0	0	2	3	4	0	0	0	7	0	0	0	0	0	0	2	3	14	1	0	0	20	29
Total	0	1	1	0	0	2	10	4	0	0	0	14	0	0	0	0	0	0	2	3	29	1	0	0	35	51
7:00 AM	2	3	0	0	0	5	7	1	0	0	0	8	0	0	1	0	0	1	3	2	22	0	0	0	27	41
7:15 AM	1	3	0	0	0	4	7	0	1	0	0	8	1	0	0	0	0	1	1	0	19	0	0	0	20	33
7:30 AM	1	1	0	0	0	2	11	1	1	0	0	13	0	1	0	0	0	1	0	5	21	0	0	0	26	42
7:45 AM	1	0	0	0	0	1	10	5	0	0	0	15	0	1	0	0	0	1	6	2	21	0	0	0	29	46
Total	5	7	0	0	0	12	35	7	2	0	0	44	1	2	1	0	0	4	10	9	83	0	0	0	102	162
8:00 AM	0	1	0	0	0	1	6	4	1	0	0	11	0	0	0	0	0	0	5	1	23	0	0	0	29	41
8:15 AM	0	0	0	0	0	0	5	2	0	0	0	7	0	0	0	0	0	0	3	1	17	0	0	0	21	28
Total	0	1	0	0	0	1	11	6	1	0	0	18	0	0	0	0	0	0	8	2	40	0	0	0	50	69
BREAK																										
3:00 PM	0	6	2	0	0	8	9	1	0	0	0	10	11	1	0	0	0	12	1	1	15	0	0	0	17	47
3:15 PM	0	0	2	0	0	2	13	2	0	0	0	15	4	0	0	0	0	4	1	1	3	0	0	0	5	26
3:30 PM	0	4	5	0	0	9	14	3	0	0	0	17	2	1	0	0	0	3	1	0	14	0	0	0	15	44
3:45 PM	1	1	1	0	0	3	13	1	0	0	0	14	0	1	4	0	0	5	0	1	15	0	0	0	16	38
Total	1	11	10	0	0	22	49	7	0	0	0	56	17	3	4	0	0	24	3	3	47	0	0	0	53	155
4:00 PM	1	3	3	0	0	7	19	1	0	0	0	20	1	2	0	0	0	3	1	0	21	0	0	0	22	52
4:15 PM	0	2	2	0	0	4	16	2	0	0	0	18	0	1	0	0	0	1	0	0	17	0	0	0	17	40
4:30 PM	0	4	4	0	0	8	12	1	0	0	0	13	0	1	0	0	0	1	2	0	5	0	0	0	7	29
4:45 PM	1	6	1	0	0	8	11	2	1	0	0	14	1	0	0	0	0	1	1	0	16	0	0	0	17	40
Total	2	15	10	0	0	27	58	6	1	0	0	65	2	4	0	0	0	6	4	0	59	0	0	0	63	161
Grand Total	8	35	21	0	0	64	163	30	4	0	0	197	20	9	5	0	0	34	27	17	258	1	0	0	303	598
Apprch %	12.5	54.7	32.8	0.0	0.0		82.7	15.2	2.0	0.0	0.0		58.8	26.5	14.7	0.0	0.0		8.9	5.6	85.1	0.3	0.0			
Total %	1.3	5.9	3.5	0.0	0.0	10.7	27.3	5.0	0.7	0.0	0.0	32.9	3.3	1.5	0.8	0.0	0.0	5.7	4.5	2.8	43.1	0.2	0.0		50.7	
Cars, PU, Vans	8	35	19	0	0	62	161	26	4	0	0	191	20	9	5	0	0	34	26	17	246	1	0	0	290	577
% Cars, PU, Vans	100.0	100.0	90.5	0.0	0.0	96.9	98.8	86.7	100.0	0.0	0.0	97.0	100.0	100.0	100.0	0.0	0.0	100.0	96.3	100.0	95.3	100.0			95.7	96.5
Heavy trucks	0	0	2	0	0	2	2	4	0	0	0	6	0	0	0	0	0	0	1	0	12	0	0	0	13	21
%Heavy trucks	0.0	0.0	9.5	0.0	0.0	3.1	1.2	13.3	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	4.7	0.0			4.3	3.5

Project ID: 24-260054-008

Location: Wakeman Dr & Harry J Parrish Blvd East (Central)

City: Manassas

PEAK HOURS

Day: Thursday

Date: 3/14/2024

AM

Start Time	Wakeman Dr Northbound					Wakeman Dr Southbound					Harry J Parrish Blvd East (Central) Eastbound					Harry J Parrish Blvd East (Central) Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 06:30 AM - 08:30 AM																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
7:15 AM	1	3	0	0	4	7	0	1	0	8	1	0	0	0	1	1	0	19	0	20	33
7:30 AM	1	1	0	0	2	11	1	1	0	13	0	1	0	0	1	0	5	21	0	26	42
7:45 AM	1	0	0	0	1	10	5	0	0	15	0	1	0	0	1	6	2	21	0	29	46
8:00 AM	0	1	0	0	1	6	4	1	0	11	0	0	0	0	0	5	1	23	0	29	41
Total Volume	3	5	0	0	8	34	10	3	0	47	1	2	0	0	3	12	8	84	0	104	162
% App. Total	37.5	62.5	0.0	0.0	100	72.3	21.3	6.4	0.0	100	33.3	66.7	0.0	0.0	100	11.5	7.7	80.8	0.0	100	
PHF	0.500					0.783					0.750					0.897					0.880
Cars, PU, Vans	3	5	0	0	8	34	10	3	0	47	1	2	0	0	3	12	8	82	0	102	160
% Cars, PU, Vans	100.0	100.0	0.0	0.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	0.0	100.0	100.0	100.0	97.6	0.0	98.1	98.8
Heavy trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
%Heavy trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	1.9	1.2

PM

Start Time	Wakeman Dr Northbound					Wakeman Dr Southbound					Harry J Parrish Blvd East (Central) Eastbound					Harry J Parrish Blvd East (Central) Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 03:00 PM - 05:00 PM																					
Peak Hour for Entire Intersection Begins at 03:30 PM																					
3:30 PM	0	4	5	0	9	14	3	0	0	17	2	1	0	0	3	1	0	14	0	15	44
3:45 PM	1	1	1	0	3	13	1	0	0	14	0	1	4	0	5	0	1	15	0	16	38
4:00 PM	1	3	3	0	7	19	1	0	0	20	1	2	0	0	3	1	0	21	0	22	52
4:15 PM	0	2	2	0	4	16	2	0	0	18	0	1	0	0	1	0	0	17	0	17	40
Total Volume	2	10	11	0	23	62	7	0	0	69	3	5	4	0	12	2	1	67	0	70	174
% App. Total	8.7	43.5	47.8	0.0	100	89.9	10.1	0.0	0.0	100	25.0	41.7	33.3	0.0	100	2.9	1.4	95.7	0.0	100	
PHF	0.639					0.863					0.600					0.795					0.837
Cars, PU, Vans	2	10	10	0	22	60	6	0	0	66	3	5	4	0	12	2	1	62	0	65	165
% Cars, PU, Vans	100.0	100.0	90.9	0.0	95.7	96.8	85.7	0.0	0.0	95.7	100.0	100.0	100.0	0.0	100.0	100.0	100.0	92.5	0.0	92.9	94.8
Heavy trucks	0	0	1	0	1	2	1	0	0	3	0	0	0	0	0	0	0	5	0	5	9
%Heavy trucks	0.0	0.0	9.1	0.0	4.3	3.2	14.3	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	7.1	5.2

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clover Hill Rd & Harry J Parrish Blvd
City: Manassas
Control: 2-Way Stop(EB/WB)

Project ID: 24-260054-009
Date: 3/14/2024

Data - Total

NS/EW Streets:	Clover Hill Rd				Clover Hill Rd				Harry J Parrish Blvd				Harry J Parrish Blvd				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
6:30 AM	0	0	0	0	14	0	31	0	7	1	0	0	0	0	0	0	53
6:45 AM	0	0	0	0	12	0	38	0	13	0	0	0	0	0	12	0	75
7:00 AM	0	0	0	0	13	0	56	0	27	2	0	0	0	0	3	0	101
7:15 AM	0	0	0	0	11	0	53	0	7	0	0	0	0	0	5	0	76
7:30 AM	0	0	0	0	10	0	45	0	5	0	0	0	0	0	1	0	61
7:45 AM	0	0	0	0	4	0	45	0	11	2	0	0	0	0	1	0	63
8:00 AM	0	0	0	0	8	0	32	0	11	0	0	0	0	1	0	0	52
8:15 AM	0	0	0	0	6	0	25	0	5	2	0	0	0	0	1	0	39
TOTAL VOLUMES :	0	0	0	0	78	0	325	0	86	7	0	0	0	1	23	0	520
APPROACH %'s :					19.35%	0.00%	80.65%	0.00%	92.47%	7.53%	0.00%	0.00%	0.00%	4.17%	95.83%	0.00%	
PEAK HR :	06:45 AM - 07:45 AM																TOTAL
PEAK HR VOL :	0	0	0	0	46	0	192	0	52	2	0	0	0	0	21	0	313
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.885	0.000	0.857	0.000	0.481	0.250	0.000	0.000	0.000	0.000	0.438	0.000	0.775
						0.862				0.466				0.438			
PM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	0	0	0	0	2	0	10	0	20	1	0	0	0	0	10	0	43
3:15 PM	0	0	0	0	0	0	8	0	28	1	0	0	0	0	8	0	45
3:30 PM	0	0	0	0	0	0	10	0	29	0	0	0	0	1	16	0	56
3:45 PM	0	0	0	0	0	0	21	0	23	0	0	0	0	1	7	0	52
4:00 PM	0	0	0	0	0	0	10	0	36	0	0	0	0	2	18	0	66
4:15 PM	0	0	0	0	1	0	13	0	29	0	0	0	0	0	7	0	50
4:30 PM	0	0	0	0	0	0	12	0	21	1	0	0	0	0	2	0	36
4:45 PM	0	0	0	0	0	0	17	0	16	0	0	0	0	1	1	0	35
TOTAL VOLUMES :	0	0	0	0	3	0	101	0	202	3	0	0	0	5	69	0	383
APPROACH %'s :					2.88%	0.00%	97.12%	0.00%	98.54%	1.46%	0.00%	0.00%	0.00%	6.76%	93.24%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	0	0	0	0	1	0	54	0	117	0	0	0	0	4	48	0	224
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.250	0.000	0.643	0.000	0.813	0.000	0.000	0.000	0.000	0.500	0.667	0.000	0.848
						0.655				0.813				0.650			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clover Hill Rd & Harry J Parrish Blvd
City: Manassas
Control: 2-Way Stop(EB/WB)

Project ID: 24-260054-009
Date: 3/14/2024

Data - Cars

NS/EW Streets:	Clover Hill Rd				Clover Hill Rd				Harry J Parrish Blvd				Harry J Parrish Blvd				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
6:30 AM	0	0	0	0	14	0	26	0	2	1	0	0	0	0	0	0	43
6:45 AM	0	0	0	0	12	0	36	0	5	0	0	0	0	0	12	0	65
7:00 AM	0	0	0	0	13	0	52	0	5	2	0	0	0	0	3	0	75
7:15 AM	0	0	0	0	11	0	52	0	4	0	0	0	0	0	5	0	72
7:30 AM	0	0	0	0	10	0	41	0	5	0	0	0	0	0	1	0	57
7:45 AM	0	0	0	0	4	0	42	0	10	2	0	0	0	0	1	0	59
8:00 AM	0	0	0	0	8	0	31	0	10	0	0	0	0	1	0	0	50
8:15 AM	0	0	0	0	6	0	23	0	4	2	0	0	0	0	1	0	36
TOTAL VOLUMES :	0	0	0	0	78	0	303	0	45	7	0	0	0	1	23	0	457
APPROACH %'s :					20.47%	0.00%	79.53%	0.00%	86.54%	13.46%	0.00%	0.00%	0.00%	4.17%	95.83%	0.00%	
PEAK HR :	06:45 AM - 07:45 AM																TOTAL
PEAK HR VOL :	0	0	0	0	46	0	181	0	19	2	0	0	0	0	21	0	269
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.885	0.000	0.870	0.000	0.950	0.250	0.000	0.000	0.000	0.000	0.438	0.000	0.897
					0.873				0.750				0.438				
PM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	0	0	0	0	2	0	6	0	20	1	0	0	0	0	10	0	39
3:15 PM	0	0	0	0	0	0	7	0	26	1	0	0	0	0	8	0	42
3:30 PM	0	0	0	0	0	0	8	0	29	0	0	0	0	1	13	0	51
3:45 PM	0	0	0	0	0	0	16	0	22	0	0	0	0	1	7	0	46
4:00 PM	0	0	0	0	0	0	10	0	34	0	0	0	0	2	18	0	64
4:15 PM	0	0	0	0	0	0	12	0	28	0	0	0	0	0	7	0	47
4:30 PM	0	0	0	0	0	0	10	0	20	1	0	0	0	0	1	0	32
4:45 PM	0	0	0	0	0	0	15	0	16	0	0	0	0	1	1	0	33
TOTAL VOLUMES :	0	0	0	0	2	0	84	0	195	3	0	0	0	5	65	0	354
APPROACH %'s :					2.33%	0.00%	97.67%	0.00%	98.48%	1.52%	0.00%	0.00%	0.00%	7.14%	92.86%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	46	0	113	0	0	0	0	4	45	0	208
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.719	0.000	0.831	0.000	0.000	0.000	0.000	0.500	0.625	0.000	0.813
					0.719				0.831				0.613				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clover Hill Rd & Harry J Parrish Blvd
City: Manassas
Control: 2-Way Stop(EB/WB)

Project ID: 24-260054-009
Date: 3/14/2024

Data - HT

NS/EW Streets:	Clover Hill Rd				Clover Hill Rd				Harry J Parrish Blvd				Harry J Parrish Blvd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
6:30 AM	0	0	0	0	0	0	5	0	5	0	0	0	0	0	0	0	10
6:45 AM	0	0	0	0	0	0	2	0	8	0	0	0	0	0	0	0	10
7:00 AM	0	0	0	0	0	0	4	0	22	0	0	0	0	0	0	0	26
7:15 AM	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	4
7:30 AM	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
7:45 AM	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	4
8:00 AM	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
8:15 AM	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	3
TOTAL VOLUMES :	0	0	0	0	0	0	22	0	41	0	0	0	0	0	0	0	63
APPROACH %'s :					0.00%	0.00%	100.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0	0	0	
PEAK HR :	06:45 AM - 07:45 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	11	0	33	0	0	0	0	0	0	0	44
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.688	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.423
							0.688				0.375						
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
3:00 PM	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
3:15 PM	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	3
3:30 PM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3	0	5
3:45 PM	0	0	0	0	0	0	5	0	1	0	0	0	0	0	0	0	6
4:00 PM	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
4:15 PM	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	3
4:30 PM	0	0	0	0	0	0	2	0	1	0	0	0	0	0	1	0	4
4:45 PM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
TOTAL VOLUMES :	0	0	0	0	1	0	17	0	7	0	0	0	0	0	4	0	29
APPROACH %'s :					5.56%	0.00%	94.44%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	0	0	0	0	1	0	8	0	4	0	0	0	0	0	3	0	16
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.250	0.000	0.400	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.667
							0.450				0.500				0.250		

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clover Hill Rd & Harry J Parrish Blvd
City: Manassas
Control: 2-Way Stop(EB/WB)

Project ID: 24-260054-009
Date: 3/14/2024

Data - Bikes

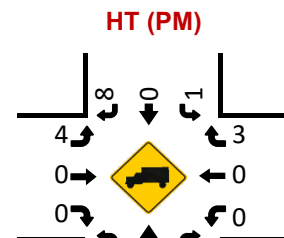
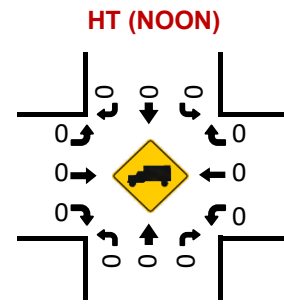
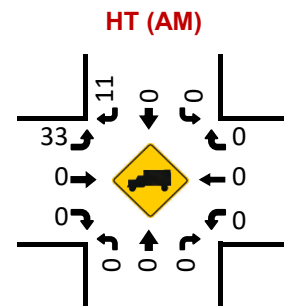
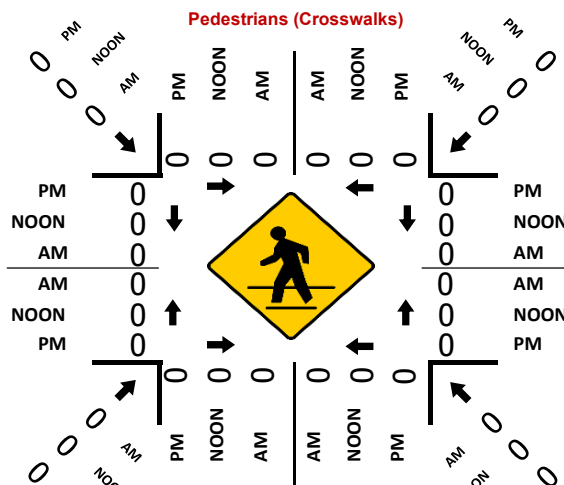
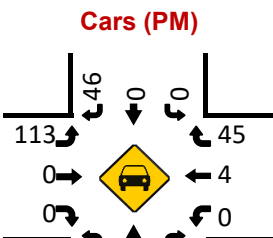
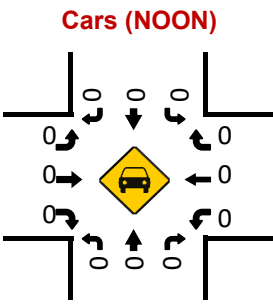
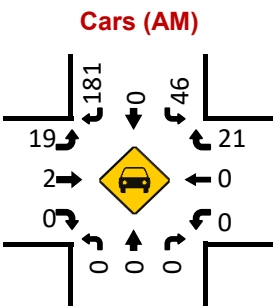
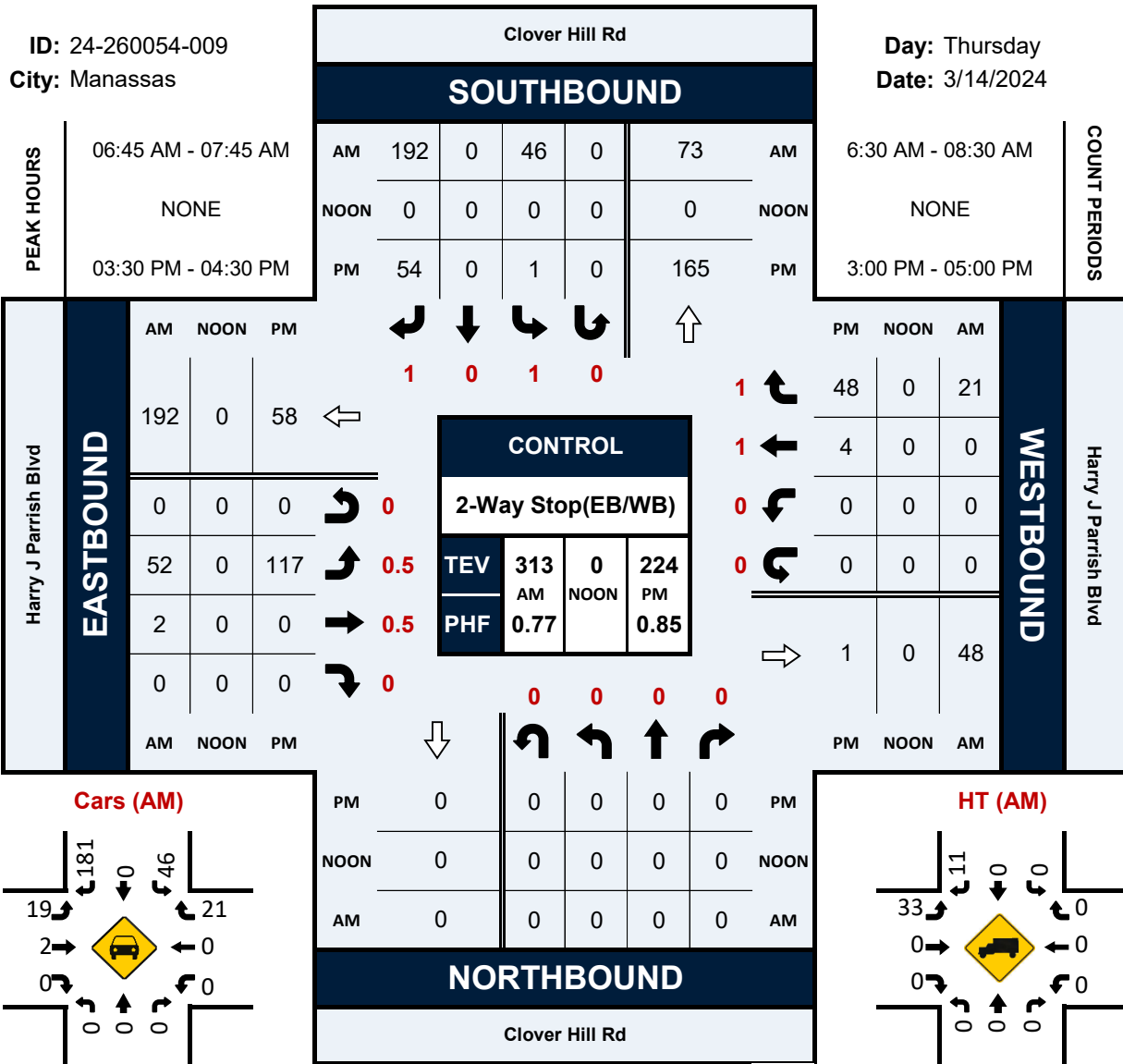
NS/EW Streets:	Clover Hill Rd				Clover Hill Rd				Harry J Parrish Blvd				Harry J Parrish Blvd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
APPROACH %'s :					0.00%	0.00%	100.00%	0.00%									
PEAK HR :	06:45 AM - 07:45 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
3:30 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	0	0	0	0	0	2	0	0	1	0	0	0	1	0	0	4
APPROACH %'s :					0.00%	0.00%	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500

Clover Hill Rd & Harry J Parrish Blvd

Peak Hour Turning Movement Count

ID: 24-260054-009
City: Manassas

Day: Thursday
Date: 3/14/2024



Prepared by National Data & Surveying Services

03 01 05

PM ON

NOV PM

03 01 05

Project ID: 24-260054-009

Location: Clover Hill Rd & Harry J Parrish Blvd
 City: Manassas

Day: Thursday
 Date: 3/14/2024

Groups Printed - Cars, PU, Vans - Heavy Trucks

Start Time	Clover Hill Rd Northbound						Clover Hill Rd Southbound						Harry J Parrish Blvd Eastbound						Harry J Parrish Blvd Westbound						Int. Total						
	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total							
6:30 AM	0	0	0	0	0	0	14	0	31	0	0	45	7	1	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	53
6:45 AM	0	0	0	0	0	0	12	0	38	0	0	50	13	0	0	0	0	13	0	0	12	0	0	0	12	0	0	0	0	12	75
Total	0	0	0	0	0	0	26	0	69	0	0	95	20	1	0	0	0	21	0	0	12	0	0	0	12	0	0	0	0	128	
7:00 AM	0	0	0	0	0	0	13	0	56	0	0	69	27	2	0	0	0	29	0	0	3	0	0	0	3	0	0	0	0	101	
7:15 AM	0	0	0	0	0	0	11	0	53	0	0	64	7	0	0	0	0	7	0	0	5	0	0	0	5	0	0	0	0	76	
7:30 AM	0	0	0	0	0	0	10	0	45	0	0	55	5	0	0	0	0	5	0	0	1	0	0	0	1	0	0	0	0	61	
7:45 AM	0	0	0	0	0	0	4	0	45	0	0	49	11	2	0	0	0	13	0	0	1	0	0	0	1	0	0	0	0	63	
Total	0	0	0	0	0	0	38	0	199	0	0	237	50	4	0	0	0	54	0	0	10	0	0	0	10	0	0	0	0	301	
8:00 AM	0	0	0	0	0	0	8	0	32	0	0	40	11	0	0	0	0	11	0	1	0	0	0	0	1	0	0	0	0	52	
8:15 AM	0	0	0	0	0	0	6	0	25	0	0	31	5	2	0	0	0	7	0	0	1	0	0	0	1	0	0	0	0	39	
Total	0	0	0	0	0	0	14	0	57	0	0	71	16	2	0	0	0	18	0	1	1	0	0	0	2	0	0	0	0	91	
BREAK																															
3:00 PM	0	0	0	0	0	0	2	0	10	0	0	12	20	1	0	0	0	21	0	0	10	0	0	0	10	0	0	0	0	43	
3:15 PM	0	0	0	0	0	0	0	0	8	0	0	8	28	1	0	0	0	29	0	0	8	0	0	0	8	0	0	0	0	45	
3:30 PM	0	0	0	0	0	0	0	0	10	0	0	10	29	0	0	0	0	29	0	1	16	0	0	0	17	0	0	0	0	56	
3:45 PM	0	0	0	0	0	0	0	0	21	0	0	21	23	0	0	0	0	23	0	1	7	0	0	0	8	0	0	0	0	52	
Total	0	0	0	0	0	0	2	0	49	0	0	51	100	2	0	0	0	102	0	2	41	0	0	0	43	0	0	0	0	196	
4:00 PM	0	0	0	0	0	0	0	0	10	0	0	10	36	0	0	0	0	36	0	2	18	0	0	0	20	0	0	0	0	66	
4:15 PM	0	0	0	0	0	0	1	0	13	0	0	14	29	0	0	0	0	29	0	0	7	0	0	0	7	0	0	0	0	50	
4:30 PM	0	0	0	0	0	0	0	0	12	0	0	12	21	1	0	0	0	22	0	0	2	0	0	0	2	0	0	0	0	36	
4:45 PM	0	0	0	0	0	0	0	0	17	0	0	17	16	0	0	0	0	16	0	1	1	0	0	0	2	0	0	0	0	35	
Total	0	0	0	0	0	0	1	0	52	0	0	53	102	1	0	0	0	103	0	3	28	0	0	0	31	0	0	0	0	187	
Grand Total	0	0	0	0	0	0	81	0	426	0	0	507	288	10	0	0	0	298	0	6	92	0	0	0	98	0	0	0	0	903	
Apprch %	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	84.0	0.0	0.0	96.6	3.4	0.0	0.0	0.0	96.6	3.4	0.0	0.0	0.0	0.0	6.1	93.9	0.0	0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	47.2	0.0	0.0	56.1	31.9	1.1	0.0	0.0	0.0	33.0	0.0	0.7	10.2	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	10.9	
Cars, PU, Vans	0	0	0	0	0	0	80	0	387	0	0	467	240	10	0	0	0	250	0	6	88	0	0	0	94	0	0	0	0	811	
% Cars, PU, Vans	0.0	0.0	0.0	0.0	0.0	0.0	98.8	0.0	90.8	0.0	0.0	92.1	83.3	100.0	0.0	0.0	0.0	83.9	0.0	100.0	95.7	0.0	0.0	0.0	95.9	0.0	0.0	0.0	0.0	89.8	
Heavy trucks	0	0	0	0	0	0	1	0	39	0	0	40	48	0	0	0	0	48	0	0	4	0	0	0	4	0	0	0	0	92	
%Heavy trucks	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	9.2	0.0	0.0	7.9	16.7	0.0	0.0	0.0	0.0	16.1	0.0	0.0	4.3	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	10.2	

Project ID: 24-260054-009

Location: Clover Hill Rd & Harry J Parrish Blvd
 City: Manassas

PEAK HOURS

Day: Thursday
 Date: 3/14/2024

AM

Start Time	Clover Hill Rd Northbound					Clover Hill Rd Southbound					Harry J Parrish Blvd Eastbound					Harry J Parrish Blvd Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 06:30 AM - 08:30 AM																					
Peak Hour for Entire Intersection Begins at 06:45 AM																					
6:45 AM	0	0	0	0	0	12	0	38	0	50	13	0	0	0	13	0	0	12	0	12	75
7:00 AM	0	0	0	0	0	13	0	56	0	69	27	2	0	0	29	0	0	3	0	3	101
7:15 AM	0	0	0	0	0	11	0	53	0	64	7	0	0	0	7	0	0	5	0	5	76
7:30 AM	0	0	0	0	0	10	0	45	0	55	5	0	0	0	5	0	0	1	0	1	61
Total Volume	0	0	0	0	0	46	0	192	0	238	52	2	0	0	54	0	0	21	0	21	313
% App. Total	0.0	0.0	0.0	0.0	0.0	19.3	0.0	80.7	0.0	100	96.3	3.7	0.0	0.0	100	0.0	0.0	100.0	0.0	100	
PHF						0.862					0.466					0.438					0.775
Cars, PU, Vans	0	0	0	0	0	46	0	181	0	227	19	2	0	0	21	0	0	21	0	21	269
% Cars, PU, Vans	0.0	0.0	0.0	0.0	0.0	100.0	0.0	94.3	0.0	95.4	36.5	100.0	0.0	0.0	38.9	0.0	0.0	100.0	0.0	100.0	85.9
Heavy trucks	0	0	0	0	0	0	0	11	0	11	33	0	0	0	33	0	0	0	0	0	44
%Heavy trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	4.6	63.5	0.0	0.0	0.0	61.1	0.0	0.0	0.0	0.0	0.0	14.1

PM

Start Time	Clover Hill Rd Northbound					Clover Hill Rd Southbound					Harry J Parrish Blvd Eastbound					Harry J Parrish Blvd Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 03:00 PM - 05:00 PM																					
Peak Hour for Entire Intersection Begins at 03:30 PM																					
3:30 PM	0	0	0	0	0	0	0	10	0	10	29	0	0	0	29	0	1	16	0	17	56
3:45 PM	0	0	0	0	0	0	0	21	0	21	23	0	0	0	23	0	1	7	0	8	52
4:00 PM	0	0	0	0	0	0	0	10	0	10	36	0	0	0	36	0	2	18	0	20	66
4:15 PM	0	0	0	0	0	1	0	13	0	14	29	0	0	0	29	0	0	7	0	7	50
Total Volume	0	0	0	0	0	1	0	54	0	55	117	0	0	0	117	0	4	48	0	52	224
% App. Total	0.0	0.0	0.0	0.0	0.0	1.8	0.0	98.2	0.0	100	100.0	0.0	0.0	0.0	100	0.0	7.7	92.3	0.0	100	
PHF						0.655					0.813					0.650					0.848
Cars, PU, Vans	0	0	0	0	0	0	0	46	0	46	113	0	0	0	113	0	4	45	0	49	208
% Cars, PU, Vans	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.2	0.0	83.6	96.6	0.0	0.0	0.0	96.6	0.0	100.0	93.8	0.0	94.2	92.9
Heavy trucks	0	0	0	0	0	1	0	8	0	9	4	0	0	0	4	0	0	3	0	3	16
%Heavy trucks	0.0	0.0	0.0	0.0	0.0	100.0	0.0	14.8	0.0	16.4	3.4	0.0	0.0	0.0	3.4	0.0	0.0	6.3	0.0	5.8	7.1

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clover Hill Rd & Prince William Pkwy
City: Manassas
Control: Signalized

Project ID: 24-260054-010
Date: 3/14/2024

Data - Total

NS/EW Streets:	Clover Hill Rd				Clover Hill Rd				Prince William Pkwy				Prince William Pkwy				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	0.5 NL	0.5 NT	1 NR	0 NU	0.5 SL	0.5 ST	1 SR	0 SU	1 EL	2 ET	1 ER	0 EU	1 WL	2 WT	1 WR	0 WU	TOTAL
6:30 AM	5	1	2	0	10	7	33	0	8	274	20	0	19	471	11	0	861
6:45 AM	13	2	6	0	8	9	41	0	8	248	25	0	17	405	10	0	792
7:00 AM	21	2	7	0	17	7	60	1	15	228	32	0	28	392	8	0	818
7:15 AM	9	1	6	0	9	6	48	0	9	322	27	0	31	441	7	0	916
7:30 AM	1	0	5	0	8	4	35	0	10	327	29	1	22	417	10	0	869
7:45 AM	3	3	5	0	11	8	39	0	9	337	20	0	21	470	9	2	937
8:00 AM	4	0	8	0	10	7	41	0	12	314	12	0	21	362	14	0	805
8:15 AM	4	0	2	0	4	1	44	0	13	295	13	0	19	379	13	0	787
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	60	9	41	0	77	49	341	1	84	2345	178	1	178	3337	82	2	6785
	54.55%	8.18%	37.27%	0.00%	16.45%	10.47%	72.86%	0.21%	3.22%	89.92%	6.83%	0.04%	4.95%	92.72%	2.28%	0.06%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	34	6	23	0	45	25	182	1	43	1214	108	1	102	1720	34	2	3540
PEAK HR FACTOR :	0.405	0.500	0.821	0.000	0.662	0.781	0.758	0.250	0.717	0.901	0.844	0.250	0.823	0.915	0.850	0.250	0.945
	0.525				0.744				0.931				0.925				
PM	0.5 NL	0.5 NT	1 NR	0 NU	0.5 SL	0.5 ST	1 SR	0 SU	1 EL	2 ET	1 ER	0 EU	1 WL	2 WT	1 WR	0 WU	TOTAL
3:00 PM	17	2	11	0	11	2	29	0	32	394	4	1	6	321	14	0	844
3:15 PM	15	4	16	0	12	3	30	0	35	432	3	2	4	333	12	1	902
3:30 PM	21	7	13	0	15	1	25	0	40	448	4	0	3	363	15	2	957
3:45 PM	11	5	19	0	11	6	25	0	39	523	10	0	5	369	12	2	1037
4:00 PM	20	5	29	0	11	0	35	0	41	513	3	0	9	350	11	1	1028
4:15 PM	8	6	22	0	11	2	28	0	46	550	4	0	6	308	17	4	1012
4:30 PM	3	9	11	0	10	0	32	0	43	479	3	0	9	365	13	0	977
4:45 PM	3	3	11	0	12	4	27	0	37	511	6	0	7	316	18	0	955
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	98	41	132	0	93	18	231	0	313	3850	37	3	49	2725	112	10	7712
	36.16%	15.13%	48.71%	0.00%	27.19%	5.26%	67.54%	0.00%	7.45%	91.60%	0.88%	0.07%	1.69%	94.10%	3.87%	0.35%	
PEAK HR :	03:45 PM - 04:45 PM																TOTAL
PEAK HR VOL :	42	25	81	0	43	8	120	0	169	2065	20	0	29	1392	53	7	4054
PEAK HR FACTOR :	0.525	0.694	0.698	0.000	0.977	0.333	0.857	0.000	0.918	0.939	0.500	0.000	0.806	0.943	0.779	0.438	0.977
	0.685				0.929				0.939				0.954				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clover Hill Rd & Prince William Pkwy
City: Manassas
Control: Signalized

Project ID: 24-260054-010
Date: 3/14/2024

Data - Cars

NS/EW Streets:		Clover Hill Rd				Clover Hill Rd				Prince William Pkwy				Prince William Pkwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU		
6:30 AM	0	1	1	0	9	7	31	0	6	238	17	0	17	438	9	0	774	
6:45 AM	7	2	6	0	7	9	40	0	7	211	23	0	16	389	9	0	726	
7:00 AM	3	2	3	0	15	7	57	1	13	197	31	0	26	359	8	0	722	
7:15 AM	4	1	6	0	8	6	47	0	8	272	27	0	30	408	6	0	823	
7:30 AM	1	0	5	0	8	4	35	0	10	285	29	1	18	391	10	0	797	
7:45 AM	2	3	5	0	10	8	39	0	8	289	18	0	20	419	9	1	831	
8:00 AM	3	0	8	0	9	7	40	0	11	264	11	0	21	331	10	0	715	
8:15 AM	3	0	2	0	4	1	42	0	13	252	13	0	17	346	13	0	706	
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
	23	9	36	0	70	49	331	1	76	2008	169	1	165	3081	74	1	6094	
APPROACH %'s :	33.82%	13.24%	52.94%	0.00%	15.52%	10.86%	73.39%	0.22%	3.37%	89.09%	7.50%	0.04%	4.97%	92.77%	2.23%	0.03%		
PEAK HR :	07:00 AM - 08:00 AM																	TOTAL
PEAK HR VOL :	10	6	19	0	41	25	178	1	39	1043	105	1	94	1577	33	1	3173	
PEAK HR FACTOR :	0.625	0.500	0.792	0.000	0.683	0.781	0.781	0.250	0.750	0.902	0.847	0.250	0.783	0.941	0.825	0.250	0.955	
	0.795				0.766				0.914				0.949					
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU		
3:00 PM	17	2	11	0	11	2	29	0	32	367	1	1	5	275	10	0	763	
3:15 PM	15	4	15	0	12	3	28	0	35	395	2	0	4	307	10	1	831	
3:30 PM	18	7	13	0	15	0	25	0	40	411	3	0	3	312	13	1	861	
3:45 PM	10	5	18	0	11	6	25	0	39	493	6	0	4	318	9	2	946	
4:00 PM	19	5	28	0	10	0	34	0	40	484	3	0	9	294	9	1	936	
4:15 PM	8	6	21	0	11	2	28	0	45	537	2	0	6	272	14	3	955	
4:30 PM	3	7	11	0	9	0	31	0	43	461	2	0	8	324	11	0	910	
4:45 PM	3	3	11	0	11	4	25	0	37	495	4	0	7	287	15	0	902	
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
	93	39	128	0	90	17	225	0	311	3643	23	1	46	2389	91	8	7104	
APPROACH %'s :	35.77%	15.00%	49.23%	0.00%	27.11%	5.12%	67.77%	0.00%	7.82%	91.58%	0.58%	0.03%	1.82%	94.28%	3.59%	0.32%		
PEAK HR :	03:45 PM - 04:45 PM																	TOTAL
PEAK HR VOL :	40	23	78	0	41	8	118	0	167	1975	13	0	27	1208	43	6	3747	
PEAK HR FACTOR :	0.526	0.821	0.696	0.000	0.932	0.333	0.868	0.000	0.928	0.919	0.542	0.000	0.750	0.932	0.768	0.500	0.981	
	0.678				0.949				0.923				0.936					

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clover Hill Rd & Prince William Pkwy
City: Manassas
Control: Signalized

Project ID: 24-260054-010
Date: 3/14/2024

Data - HT

NS/EW Streets:	Clover Hill Rd				Clover Hill Rd				Prince William Pkwy				Prince William Pkwy				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	0.5 NL	0.5 NT	1 NR	0 NU	0.5 SL	0.5 ST	1 SR	0 SU	1 EL	2 ET	1 ER	0 EU	1 WL	2 WT	1 WR	0 WU	TOTAL
6:30 AM	5	0	1	0	1	0	2	0	2	36	3	0	2	33	2	0	87
6:45 AM	6	0	0	0	1	0	1	0	1	37	2	0	1	16	1	0	66
7:00 AM	18	0	4	0	2	0	3	0	2	31	1	0	2	33	0	0	96
7:15 AM	5	0	0	0	1	0	1	0	1	50	0	0	1	33	1	0	93
7:30 AM	0	0	0	0	0	0	0	0	0	42	0	0	4	26	0	0	72
7:45 AM	1	0	0	0	1	0	0	0	1	48	2	0	1	51	0	1	106
8:00 AM	1	0	0	0	1	0	1	0	1	50	1	0	0	31	4	0	90
8:15 AM	1	0	0	0	0	0	2	0	0	43	0	0	2	33	0	0	81
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	37	0	5	0	7	0	10	0	8	337	9	0	13	256	8	1	691
	88.10%	0.00%	11.90%	0.00%	41.18%	0.00%	58.82%	0.00%	2.26%	95.20%	2.54%	0.00%	4.68%	92.09%	2.88%	0.36%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	24	0	4	0	4	0	4	0	4	171	3	0	8	143	1	1	367
PEAK HR FACTOR :	0.333	0.000	0.250	0.000	0.500	0.000	0.333	0.000	0.500	0.855	0.375	0.000	0.500	0.701	0.250	0.250	0.866
	0.318				0.400				0.873				0.722				
PM	0.5 NL	0.5 NT	1 NR	0 NU	0.5 SL	0.5 ST	1 SR	0 SU	1 EL	2 ET	1 ER	0 EU	1 WL	2 WT	1 WR	0 WU	TOTAL
3:00 PM	0	0	0	0	0	0	0	0	0	27	3	0	1	46	4	0	81
3:15 PM	0	0	1	0	0	0	2	0	0	37	1	2	0	26	2	0	71
3:30 PM	3	0	0	0	0	1	0	0	0	37	1	0	0	51	2	1	96
3:45 PM	1	0	1	0	0	0	0	0	0	30	4	0	1	51	3	0	91
4:00 PM	1	0	1	0	1	0	1	0	1	29	0	0	0	56	2	0	92
4:15 PM	0	0	1	0	0	0	0	0	1	13	2	0	0	36	3	1	57
4:30 PM	0	2	0	0	1	0	1	0	0	18	1	0	1	41	2	0	67
4:45 PM	0	0	0	0	1	0	2	0	0	16	2	0	0	29	3	0	53
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	5	2	4	0	3	1	6	0	2	207	14	2	3	336	21	2	608
	45.45%	18.18%	36.36%	0.00%	30.00%	10.00%	60.00%	0.00%	0.89%	92.00%	6.22%	0.89%	0.83%	92.82%	5.80%	0.55%	
PEAK HR :	03:45 PM - 04:45 PM																TOTAL
PEAK HR VOL :	2	2	3	0	2	0	2	0	2	90	7	0	2	184	10	1	307
PEAK HR FACTOR :	0.500	0.250	0.750	0.000	0.500	0.000	0.500	0.000	0.500	0.750	0.438	0.000	0.500	0.821	0.833	0.250	0.834
	0.875				0.500				0.728				0.849				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clover Hill Rd & Prince William Pkwy
City: Manassas
Control: Signalized

Project ID: 24-260054-010
Date: 3/14/2024

Data - Bikes

NS/EW Streets:	Clover Hill Rd				Clover Hill Rd				Prince William Pkwy				Prince William Pkwy				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	0.5 NL	0.5 NT	1 NR	0 NU	0.5 SL	0.5 ST	1 SR	0 SU	1 EL	2 ET	1 ER	0 EU	1 WL	2 WT	1 WR	0 WU	TOTAL
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
APPROACH %'s :					0.00%	100.00%	0.00%	0.00%									
PEAK HR :	07:00 AM - 08:00 AM																1
PEAK HR VOL :	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250

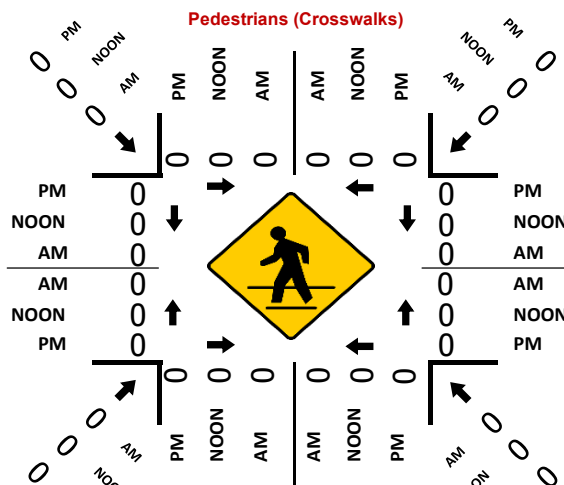
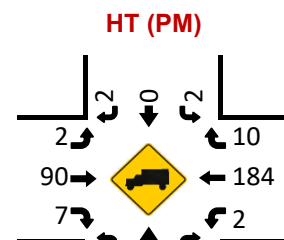
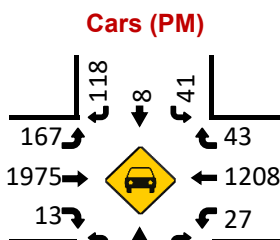
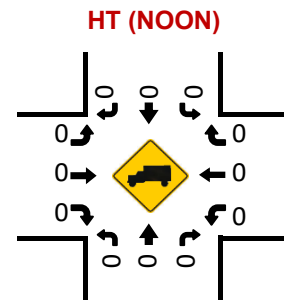
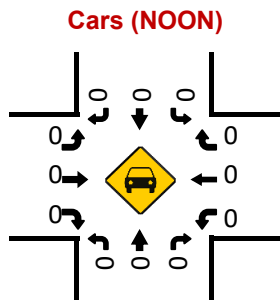
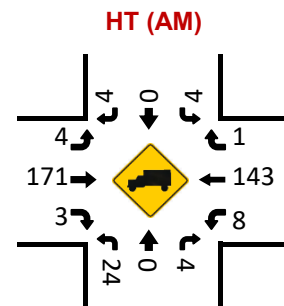
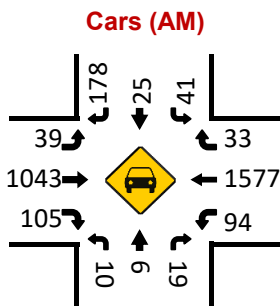
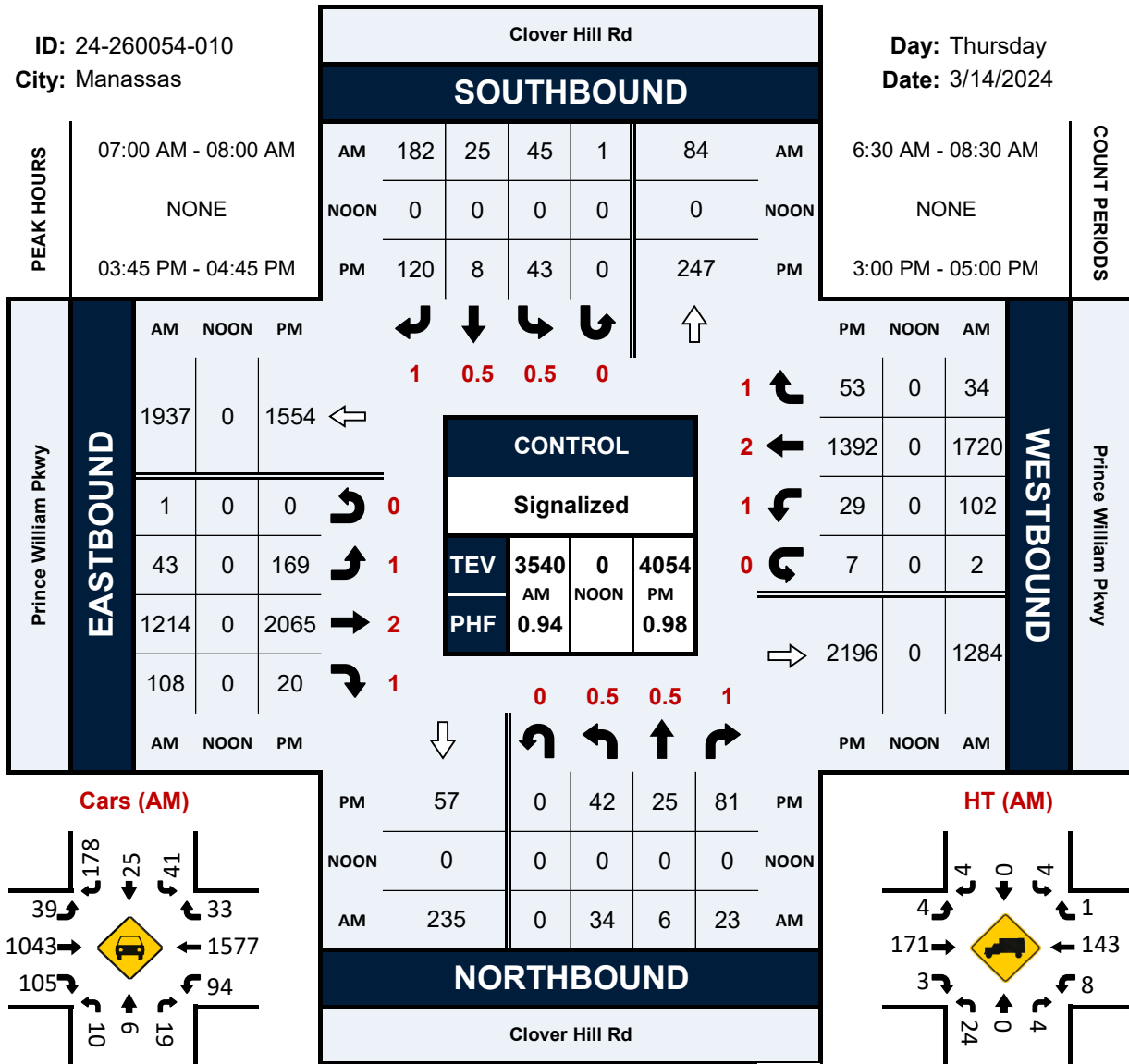
NS/EW Streets:	Clover Hill Rd				Clover Hill Rd				Prince William Pkwy				Prince William Pkwy				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
PM	0.5 NL	0.5 NT	1 NR	0 NU	0.5 SL	0.5 ST	1 SR	0 SU	1 EL	2 ET	1 ER	0 EU	1 WL	2 WT	1 WR	0 WU	TOTAL
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL VOLUMES :	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	3
APPROACH %'s :					0.00%	100.00%	0.00%	0.00%					0.00%	0.00%	100.00%	0.00%	
PEAK HR :	03:45 PM - 04:45 PM																1
PEAK HR VOL :	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250

Clover Hill Rd & Prince William Pkwy

Peak Hour Turning Movement Count

ID: 24-260054-010
City: Manassas

Day: Thursday
Date: 3/14/2024



1 78
2 23
3 40

PM ON

PM ON

1 3
2 2
3 2

Project ID: 24-260054-010
 Location: Clover Hill Rd & Prince William Pkwy
 City: Manassas

Day: Thursday
 Date: 3/14/2024

Groups Printed - Cars, PU, Vans - Heavy Trucks

Start Time	Clover Hill Rd Northbound						Clover Hill Rd Southbound						Prince William Pkwy Eastbound						Prince William Pkwy Westbound						Int. Total
	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	Left	Thru	Rgt	Uturn	Peds	App. Total	
6:30 AM	5	1	2	0	0	8	10	7	33	0	0	50	8	274	20	0	0	302	19	471	11	0	0	501	861
6:45 AM	13	2	6	0	0	21	8	9	41	0	0	58	8	248	25	0	0	281	17	405	10	0	0	432	792
Total	18	3	8	0	0	29	18	16	74	0	0	108	16	522	45	0	0	583	36	876	21	0	0	933	1653
7:00 AM	21	2	7	0	0	30	17	7	60	1	0	85	15	228	32	0	0	275	28	392	8	0	0	428	818
7:15 AM	9	1	6	0	0	16	9	6	48	0	0	63	9	322	27	0	0	358	31	441	7	0	0	479	916
7:30 AM	1	0	5	0	0	6	8	4	35	0	0	47	10	327	29	1	0	367	22	417	10	0	0	449	869
7:45 AM	3	3	5	0	0	11	11	8	39	0	0	58	9	337	20	0	0	366	21	470	9	2	0	502	937
Total	34	6	23	0	0	63	45	25	182	1	0	253	43	1214	108	1	0	1366	102	1720	34	2	0	1858	3540
8:00 AM	4	0	8	0	0	12	10	7	41	0	0	58	12	314	12	0	0	338	21	362	14	0	0	397	805
8:15 AM	4	0	2	0	0	6	4	1	44	0	0	49	13	295	13	0	0	321	19	379	13	0	0	411	787
Total	8	0	10	0	0	18	14	8	85	0	0	107	25	609	25	0	0	659	40	741	27	0	0	808	1592
BREAK																									
3:00 PM	17	2	11	0	0	30	11	2	29	0	0	42	32	394	4	1	0	431	6	321	14	0	0	341	844
3:15 PM	15	4	16	0	0	35	12	3	30	0	0	45	35	432	3	2	0	472	4	333	12	1	0	350	902
3:30 PM	21	7	13	0	0	41	15	1	25	0	0	41	40	448	4	0	0	492	3	363	15	2	0	383	957
3:45 PM	11	5	19	0	0	35	11	6	25	0	0	42	39	523	10	0	0	572	5	369	12	2	0	388	1037
Total	64	18	59	0	0	141	49	12	109	0	0	170	146	1797	21	3	0	1967	18	1386	53	5	0	1462	3740
4:00 PM	20	5	29	0	0	54	11	0	35	0	0	46	41	513	3	0	0	557	9	350	11	1	0	371	1028
4:15 PM	8	6	22	0	0	36	11	2	28	0	0	41	46	550	4	0	0	600	6	308	17	4	0	335	1012
4:30 PM	3	9	11	0	0	23	10	0	32	0	0	42	43	479	3	0	0	525	9	365	13	0	0	387	977
4:45 PM	3	3	11	0	0	17	12	4	27	0	0	43	37	511	6	0	0	554	7	316	18	0	0	341	955
Total	34	23	73	0	0	130	44	6	122	0	0	172	167	2053	16	0	0	2236	31	1339	59	5	0	1434	3972
Grand Total	158	50	173	0	0	381	170	67	572	1	0	810	397	6195	215	4	0	6811	227	6062	194	12	0	6495	14497
Apprch %	41.5	13.1	45.4	0.0	0.0		21.0	8.3	70.6	0.1	0.0		5.8	91.0	3.2	0.1	0.0		3.5	93.3	3.0	0.2	0.0		
Total %	1.1	0.3	1.2	0.0	0.0	2.6	1.2	0.5	3.9	0.0	0.0	5.6	2.7	42.7	1.5	0.0	0.0	47.0	1.6	41.8	1.3	0.1	0.0	44.8	
Cars, PU, Vans	116	48	164	0	0	328	160	66	556	1	0	783	387	5651	192	2	0	6232	211	5470	165	9	0	5855	13198
% Cars, PU, Vans	73.4	96.0	94.8	0.0	0.0	86.1	94.1	98.5	97.2	100.0	0.0	96.7	97.5	91.2	89.3	50.0	91.5	93.0	90.2	85.1	75.0	0.0	90.1	91.0	
Heavy trucks	42	2	9	0	0	53	10	1	16	0	0	27	10	544	23	2	0	579	16	592	29	3	0	640	1299
%Heavy trucks	26.6	4.0	5.2	0.0	0.0	13.9	5.9	1.5	2.8	0.0	0.0	3.3	2.5	8.8	10.7	50.0	8.5	7.0	9.8	14.9	25.0	0.0	9.9	9.0	

Project ID: 24-260054-010
 Location: Clover Hill Rd & Prince William Pkwy
 City: Manassas

PEAK HOURS

Day: Thursday
 Date: 3/14/2024

AM

Start Time	Clover Hill Rd Northbound					Clover Hill Rd Southbound					Prince William Pkwy Eastbound					Prince William Pkwy Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 06:30 AM - 08:30 AM																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
7:00 AM	21	2	7	0	30	17	7	60	1	85	15	228	32	0	275	28	392	8	0	428	818
7:15 AM	9	1	6	0	16	9	6	48	0	63	9	322	27	0	358	31	441	7	0	479	916
7:30 AM	1	0	5	0	6	8	4	35	0	47	10	327	29	1	367	22	417	10	0	449	869
7:45 AM	3	3	5	0	11	11	8	39	0	58	9	337	20	0	366	21	470	9	2	502	937
Total Volume	34	6	23	0	63	45	25	182	1	253	43	1214	108	1	1366	102	1720	34	2	1858	3540
% App. Total	54.0	9.5	36.5	0.0	100	17.8	9.9	71.9	0.4	100	3.1	88.9	7.9	0.1	100	5.5	92.6	1.8	0.1	100	
PHF	0.525					0.744					0.931					0.925					0.945
Cars, PU, Vans	10	6	19	0	35	41	25	178	1	245	39	1043	105	1	1188	94	1577	33	1	1705	3173
% Cars, PU, Vans	29.4	100.0	82.6	0.0	55.6	91.1	100.0	97.8	100.0	96.8	90.7	85.9	97.2	100.0	87.0	92.2	91.7	97.1	50.0	91.8	89.6
Heavy trucks	24	0	4	0	28	4	0	4	0	8	4	171	3	0	178	8	143	1	1	153	367
%Heavy trucks	70.6	0.0	17.4	0.0	44.4	8.9	0.0	2.2	0.0	3.2	9.3	14.1	2.8	0.0	13.0	7.8	8.3	2.9	50.0	8.2	10.4

PM

Start Time	Clover Hill Rd Northbound					Clover Hill Rd Southbound					Prince William Pkwy Eastbound					Prince William Pkwy Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 03:00 PM - 05:00 PM																					
Peak Hour for Entire Intersection Begins at 03:45 PM																					
3:45 PM	11	5	19	0	35	11	6	25	0	42	39	523	10	0	572	5	369	12	2	388	1037
4:00 PM	20	5	29	0	54	11	0	35	0	46	41	513	3	0	557	9	350	11	1	371	1028
4:15 PM	8	6	22	0	36	11	2	28	0	41	46	550	4	0	600	6	308	17	4	335	1012
4:30 PM	3	9	11	0	23	10	0	32	0	42	43	479	3	0	525	9	365	13	0	387	977
Total Volume	42	25	81	0	148	43	8	120	0	171	169	2065	20	0	2254	29	1392	53	7	1481	4054
% App. Total	28.4	16.9	54.7	0.0	100	25.1	4.7	70.2	0.0	100	7.5	91.6	0.9	0.0	100	2.0	94.0	3.6	0.5	100	
PHF	0.685					0.929					0.939					0.954					0.977
Cars, PU, Vans	40	23	78	0	141	41	8	118	0	167	167	1975	13	0	2155	27	1208	43	6	1284	3747
% Cars, PU, Vans	95.2	92.0	96.3	0.0	95.3	95.3	100.0	98.3	0.0	97.7	98.8	95.6	65.0	0.0	95.6	93.1	86.8	81.1	85.7	86.7	92.4
Heavy trucks	2	2	3	0	7	2	0	2	0	4	2	90	7	0	99	2	184	10	1	197	307
%Heavy trucks	4.8	8.0	3.7	0.0	4.7	4.7	0.0	1.7	0.0	2.3	1.2	4.4	35.0	0.0	4.4	6.9	13.2	18.9	14.3	13.3	7.6

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Harry J Parrish Blvd West (Southern)
City: Manassas
Control: 1-Way Stop(EB)

Project ID: 24-260054-011
Date: 3/14/2024

Data - Total

NS/EW Streets:	Wakeman Dr				Wakeman Dr				Harry J Parrish Blvd West (Southern)				Harry J Parrish Blvd West (Southern)				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
6:30 AM	0	1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	1
6:45 AM	0	0	0	0	0	5	0	1	1	0	1	0	0	0	0	0	8
7:00 AM	0	1	0	0	0	5	0	0	4	0	0	0	0	0	0	0	10
7:15 AM	0	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5
7:30 AM	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	3
7:45 AM	0	0	0	0	0	11	0	0	1	0	0	0	0	0	0	0	12
8:00 AM	0	0	0	0	0	9	0	0	1	0	0	0	0	0	0	0	10
8:15 AM	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
TOTAL VOLUMES :	0	6	0	0	0	38	0	1	8	0	1	0	0	0	0	0	54
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	97.44%	0.00%	2.56%	88.89%	0.00%	11.11%	0.00%					
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	1	0	0	0	26	0	0	3	0	0	0	0	0	0	0	30
PEAK HR FACTOR :	0.000	0.250	0.000	0.000	0.000	0.591	0.000	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625
	0.250				0.591				0.750								
PM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	0	6	0	0	0	2	0	0	2	0	1	0	0	0	0	0	11
3:15 PM	0	1	0	0	0	3	0	0	1	0	0	0	0	0	0	0	5
3:30 PM	0	7	0	0	0	4	0	0	2	0	0	0	0	0	0	0	13
3:45 PM	0	3	0	0	0	5	0	0	0	0	0	0	0	0	0	0	8
4:00 PM	0	7	0	0	0	2	0	0	0	0	0	0	0	0	0	0	9
4:15 PM	0	3	0	0	0	2	0	0	2	0	0	0	0	0	0	0	7
4:30 PM	0	7	0	0	0	3	0	0	0	0	0	0	0	0	0	0	10
4:45 PM	0	8	0	0	0	3	0	0	0	0	0	0	0	0	0	0	11
TOTAL VOLUMES :	0	42	0	0	0	24	0	0	7	0	1	0	0	0	0	0	74
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	87.50%	0.00%	12.50%	0.00%					
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	25	0	0	0	10	0	0	2	0	0	0	0	0	0	0	37
PEAK HR FACTOR :	0.000	0.781	0.000	0.000	0.000	0.833	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.841
	0.781				0.833				0.250								

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Harry J Parrish Blvd West (Southern)
City: Manassas
Control: 1-Way Stop(EB)

Project ID: 24-260054-011
Date: 3/14/2024

Data - Cars

NS/EW Streets:	Wakeman Dr				Wakeman Dr				Harry J Parrish Blvd West (Southern)				Harry J Parrish Blvd West (Southern)					
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU		
6:30 AM	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	1
6:45 AM	0	0	0	0	0	4	0	1	0	1	0	1	0	0	0	0	0	7
7:00 AM	0	1	0	0	0	5	0	0	0	4	0	0	0	0	0	0	10	
7:15 AM	0	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5	
7:30 AM	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	3	
7:45 AM	0	0	0	0	0	11	0	0	0	1	0	0	0	0	0	0	12	
8:00 AM	0	0	0	0	0	9	0	0	0	1	0	0	0	0	0	0	10	
8:15 AM	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4	
TOTAL VOLUMES :	0	6	0	0	0	36	0	1	0	8	0	1	0	0	0	0	52	
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	97.30%	0.00%	2.70%	0.00%	88.89%	0.00%	11.11%	0.00%	0.00%	0.00%	0.00%		
PEAK HR :	07:30 AM - 08:30 AM																TOTAL	
PEAK HR VOL :	0	1	0	0	0	25	0	0	0	3	0	0	0	0	0	0	29	
PEAK HR FACTOR :	0.000	0.250	0.000	0.000	0.000	0.568	0.000	0.000	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.000	0.604	
	0.250				0.568				0.750									
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL	
PM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU		
	3:00 PM	0	6	0	0	0	1	0	0	0	2	0	1	0	0	0	0	10
3:15 PM	0	1	0	0	0	2	0	0	0	1	0	0	0	0	0	0	4	
3:30 PM	0	6	0	0	0	4	0	0	0	2	0	0	0	0	0	0	12	
3:45 PM	0	3	0	0	0	5	0	0	0	0	0	0	0	0	0	0	8	
4:00 PM	0	7	0	0	0	2	0	0	0	0	0	0	0	0	0	0	9	
4:15 PM	0	3	0	0	0	1	0	0	0	2	0	0	0	0	0	0	6	
4:30 PM	0	6	0	0	0	3	0	0	0	0	0	0	0	0	0	0	9	
4:45 PM	0	8	0	0	0	3	0	0	0	0	0	0	0	0	0	0	11	
TOTAL VOLUMES :	0	40	0	0	0	21	0	0	0	7	0	1	0	0	0	0	69	
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	87.50%	0.00%	12.50%	0.00%	0.00%	0.00%	0.00%		
PEAK HR :	04:00 PM - 05:00 PM																TOTAL	
PEAK HR VOL :	0	24	0	0	0	9	0	0	0	2	0	0	0	0	0	0	35	
PEAK HR FACTOR :	0.000	0.750	0.000	0.000	0.000	0.750	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.795	
	0.750				0.750				0.250									

National Data & Surveying Services

Intersection Turning Movement Count

Location: Wakeman Dr & Harry J Parrish Blvd West (Southern)
City: Manassas
Control: 1-Way Stop(EB)

Project ID: 24-260054-011
Date: 3/14/2024

Data - Bikes

NS/EW Streets:	Wakeman Dr				Wakeman Dr				Harry J Parrish Blvd West (Southern)				Harry J Parrish Blvd West (Southern)				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
6:30 AM	0	1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0
APPROACH %'s :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR :	07:30 AM - 08:30 AM				0	0	0	0	0	0	0	0	0	0	0	0	TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0

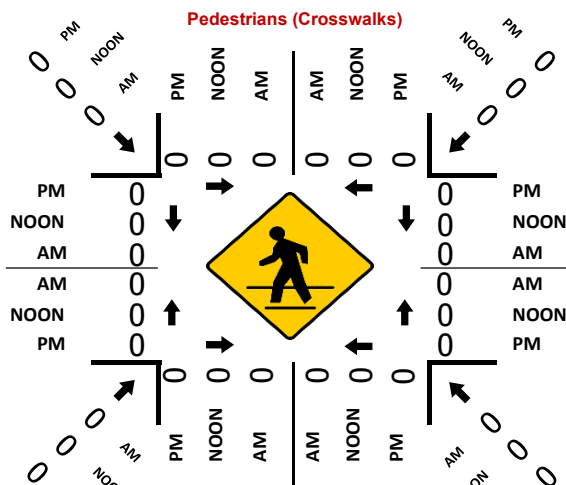
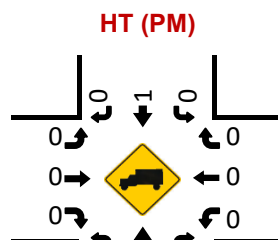
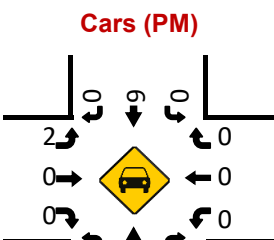
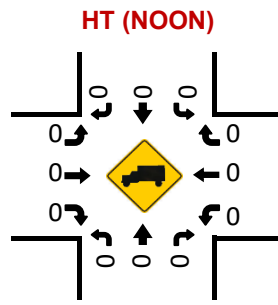
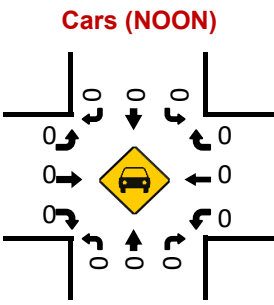
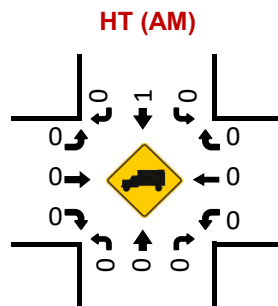
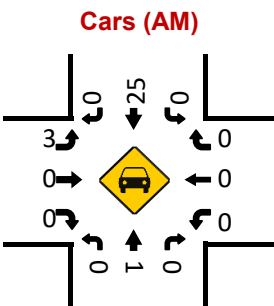
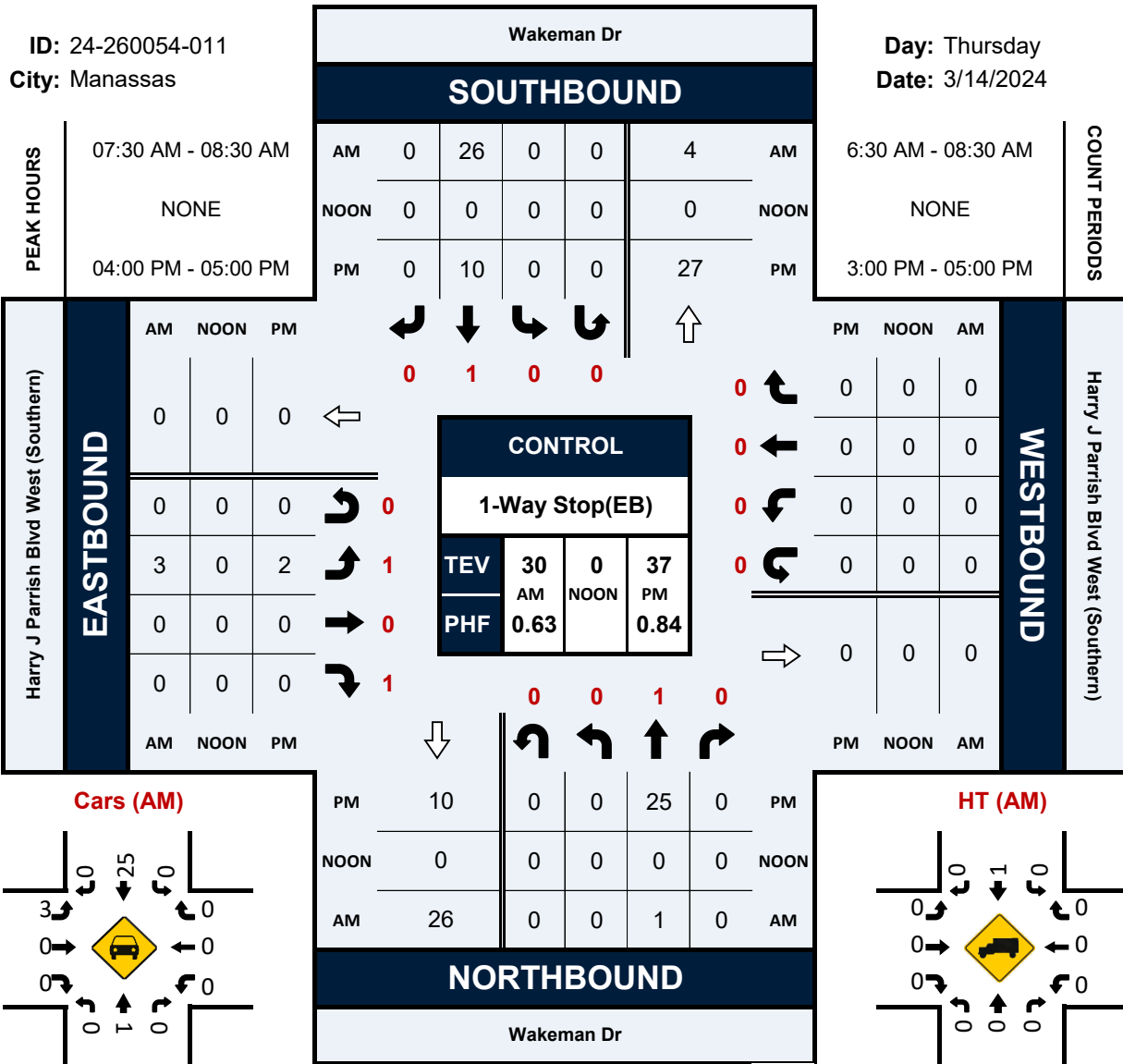
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
3:00 PM	0	1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0
3:15 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
3:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:45 PM	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
4:00 PM	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	0	7	0	0	0	2	0	0	0	0	3	0	0	0	0	0	12
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0	0	0	0	
PEAK HR :	04:00 PM - 05:00 PM				0	0	0	0	0	0	2	0	0	0	0	0	TOTAL
PEAK HR VOL :	0	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	5
PEAK HR FACTOR :	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.417

Wakeman Dr & Harry J Parrish Blvd West (Southern)

Peak Hour Turning Movement Count

ID: 24-260054-011
City: Manassas

Day: Thursday
Date: 3/14/2024



20
24
20

ON
PM

NOV
PM

20
1
20

Project ID: 24-260054-011

Location: Wakeman Dr & Harry J Parrish Blvd West (Southern)
 City: Manassas

PEAK HOURS

Day: Thursday
 Date: 3/14/2024

AM

Start Time	Wakeman Dr Northbound					Wakeman Dr Southbound					Harry J Parrish Blvd West (Southern) Eastbound					Harry J Parrish Blvd West (Southern) Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 06:30 AM - 08:30 AM																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
7:30 AM	0	1	0	0	1	0	1	0	0	1	1	0	0	0	1	0	0	0	0	0	3
7:45 AM	0	0	0	0	0	0	11	0	0	11	1	0	0	0	1	0	0	0	0	0	12
8:00 AM	0	0	0	0	0	0	9	0	0	9	1	0	0	0	1	0	0	0	0	0	10
8:15 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Total Volume	0	1	0	0	1	0	26	0	0	26	3	0	0	0	3	0	0	0	0	0	30
% App. Total	0.0	100.0	0.0	0.0	100	0.0	100.0	0.0	0.0	100	100.0	0.0	0.0	0.0	100	0.0	0.0	0.0	0.0	0	
PHF	0.250					0.591					0.750					0.625					
Cars, PU, Vans	0	1	0	0	1	0	25	0	0	25	3	0	0	0	3	0	0	0	0	0	29
% Cars, PU, Vans	0.0	100.0	0.0	0.0	100.0	0.0	96.2	0.0	0.0	96.2	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	96.7
Heavy trucks	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
%Heavy trucks	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3

PM

Start Time	Wakeman Dr Northbound					Wakeman Dr Southbound					Harry J Parrish Blvd West (Southern) Eastbound					Harry J Parrish Blvd West (Southern) Westbound					Int. Total
	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	Left	Thru	Rgt	Utum	App. Total	
Peak Hour Analysis from 03:00 PM - 05:00 PM																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
4:00 PM	0	7	0	0	7	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	9
4:15 PM	0	3	0	0	3	0	2	0	0	2	2	0	0	0	2	0	0	0	0	0	7
4:30 PM	0	7	0	0	7	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	10
4:45 PM	0	8	0	0	8	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	11
Total Volume	0	25	0	0	25	0	10	0	0	10	2	0	0	0	2	0	0	0	0	0	37
% App. Total	0.0	100.0	0.0	0.0	100	0.0	100.0	0.0	0.0	100	100.0	0.0	0.0	0.0	100	0.0	0.0	0.0	0.0	0	
PHF	0.781					0.833					0.250					0.841					
Cars, PU, Vans	0	24	0	0	24	0	9	0	0	9	2	0	0	0	2	0	0	0	0	0	35
% Cars, PU, Vans	0.0	96.0	0.0	0.0	96.0	0.0	90.0	0.0	0.0	90.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	94.6
Heavy trucks	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
%Heavy trucks	0.0	4.0	0.0	0.0	4.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4