

Division of Traffic Engineering and Operations
Department of Transportation
Montgomery County, Maryland

TRAFFIC STUDY

I. IDENTIFICATION:

Location: Springfield Neighborhood

Study Date: January 2024

Police District: Bethesda

Study By: Oscar Yen

Recommended Approval: OY

Recommended Approval: MT

Approved: MLP 4-25-2024

II. PURPOSE:

To evaluate potential adverse traffic safety impacts along Springfield Neighborhood roadways because of the Westbard Avenue/Ridgefield Road relocation project.

III. STREET CLASSIFICATION:

<u>Street Name</u>	<u>CSDG* Classification</u>	<u>Posted Speed</u>
Cromwell Drive	Neighborhood Street	20
Springfield Drive	Neighborhood Street	20
Westbard Avenue	Neighborhood Street	20
Ogden Road	Neighborhood Street	20
Ridgefield Road	Neighborhood Street	20
Devonshire Drive	Neighborhood Street	20
Brookeway Drive	Neighborhood Street	20

*Complete Street Design Guide

IV. DISCUSSION:

With the Westbard Avenue/Ridgefield Road relocation project completed, Springfield Neighborhood residents contacted the MCDOT requesting an evaluation to determine if the project had an impact on traffic safety along neighborhood streets. The evaluation was conducted on the following roadways:

Cromwell Drive from MD 396 to Ridgefield Road is a 32 foot wide undivided roadway with 16 foot travel lanes and no shoulders. Speed humps are present from MD 396 to Springfield Drive. There are no on-street parking restrictions. Torpedo islands placed to calm traffic are present near the Wood Acres Elementary School which is located on the west side of the roadway between Searl Terrace and Wilshire Drive.

Springfield Drive from MD 190 to Cromwell Drive is also a 32 foot wide undivided roadway with 16 foot wide travel lanes and no shoulders. Speed humps are present from Ridgefield Road to Cromwell Drive. There are no on-street parking restrictions. .

Westbard Avenue (residential) from MD 190 to Westbard Avenue (business) is a 42 foot wide undivided roadway with 11 foot wide travel lanes and 10 foot wide shoulder on both sides of the road. Speed humps are present from MD 190 to Westbard Avenue (business). There are no on-street parking restrictions.

Ogden Road from MD 190 to Springfield Drive is a 24 foot wide undivided roadway with no markings dividing the travel lanes and no shoulders. There are no on-street parking restrictions.

Ridgefield Road from Springfield Drive to Westbard Avenue (residential) is a 24 foot wide undivided roadway with no markings dividing the travel lanes and no shoulders. Speed humps are present from Springfield Drive to Westbard Avenue (residential). There are no on-street parking restrictions.

Devonshire Drive from MD 190 to Cromwell Drive is a 36 foot wide undivided roadway with 13 foot travel lanes and no shoulders. There are no on-street parking restrictions.

Brookeway Drive from MD 396 to Cromwell Drive is a 26 foot wide undivided roadway with no markings dividing the travel lanes and no shoulders. There are no on-street parking restrictions.

AREA MAP



V. ANALYSIS:

Cromwell Drive: 48-hour speed and volume assessment were conducted at 5303 Cromwell Drive on January 10 and 11, 2024, and revealed an average speed of 27 mph for northbound and 21 mph for southbound directions with majority of motorists traveling below 32 mph and 24 mph respectively. The highest volume during morning peak hour were 140 vehicles for northbound and 226 vehicles for southbound directions; afternoon peak were 178 and 122 vehicles respectively.

Springfield Drive: 48-hour speed and volume assessment were conducted at 5909 Springfield Drive on January 10 and 11, 2024, and revealed an average speed of 21 mph for northbound and 18 mph for southbound directions with majority of motorists traveling below 24 mph and 21 mph respectively. The highest volume during morning peak hour were 41 vehicles for northbound and 105 vehicles for southbound directions; afternoon peak were 57 and 118 vehicles respectively.

Westbard Avenue (residential): 48-hour speed and volume assessment were conducted between 5516 and 5518 Westbard Avenue on January 10 and 11, 2024, and revealed an average speed of 19 mph for northbound and 21 mph for southbound directions with majority of motorists traveling below 24 mph and 26 mph respectively. The highest volume during morning peak hour were seven vehicles for northbound and 19 vehicles for southbound directions; afternoon peak were eight and 21 vehicles respectively.

Ogden Road: 48-hour speed and volume assessment were conducted at 5709 Ogden Road on January 10 and 11, 2024, and revealed an average speed of 21 mph for northbound and 22 mph for southbound directions with majority of motorists traveling below 25 mph and 26 mph respectively. The highest volume during morning peak hour were 30 vehicles for northbound and 50 vehicles for southbound directions; afternoon peak were 65 and 42 vehicles respectively.

Ridgefield Road: 48-hour speed and volume assessment were conducted at 5320 Ridgefield Road on January 31 and February 1, 2024, and revealed an average speed of 16 mph for northbound and 19 mph for southbound directions with majority of motorists traveling below 21 mph and 23 mph respectively. The highest volume during morning peak hour were 27 vehicles for northbound and 11 vehicles for southbound directions; afternoon peak were 52 and 32 vehicles respectively.

Devonshire Drive: 48-hour speed and volume assessment were conducted at 5808 Devonshire Drive on January 24 and 25, 2024, and revealed an average speed of 22 mph for northbound and southbound directions with majority of motorists traveling below 24 mph and 25 mph respectively. The highest volume during morning peak hour were 27 vehicles for northbound and 11 vehicles for southbound directions; afternoon peak were 52 and 32 vehicles respectively.

Brookeway Drive: 48-hour speed and volume assessment were conducted at 5403 Brookeway Drive on January 10 and 11, 2024, and revealed an average speed of 18 mph for northbound and 19 mph for southbound directions with majority of motorists traveling below 22 mph for both directions. The highest volume during morning peak hour were 27 vehicles for northbound and 14 vehicles for southbound directions; afternoon peak were 70 and 11 vehicles respectively.

A summary of the speed and volume data is provided in the tables below. Detailed speed and volume data can be found in **Appendix B**

Speed Data				
Location	Direction of Travel	Posted Speed Limit (mph)	Average Speed (mph)	85 th Percentile Speed (mph)
5909 Springfield Road	NB	20	21	24
5909 Springfield Road	SB	20	18	22
5303 Cromwell Drive	NB	20	27	34
5303 Cromwell Drive	SB	20	21	24
5709 Ogden Road	NB	20	21	25
5709 Ogden Road	SB	20	22	26
5808 Devonshire Drive	NB	20	22	24
5808 Devonshire Drive	SB	20	22	25
5403 Brookeway Drive	NB	20	18	22
5403 Brookeway Drive	SB	20	19	22
5320 Ridgefield Road	NB	20	16	21
5320 Ridgefield Road	SB	20	19	23
5500 Block of Westbard Ave	NB	20	19	24
5500 Block of Westbard Ave	SB	20	21	26

Volume Data				
Location	Direction of Travel	AM Peak (Highest Volume)	PM Peak (Highest Volume)	48-Hour Total
5909 Springfield Road	NB	41	57	558
5909 Springfield Road	SB	105	118	1765
5303 Cromwell Drive	NB	140	178	2532
5303 Cromwell Drive	SB	226	122	1238
5709 Ogden Road	NB	30	65	868
5709 Ogden Road	SB	50	42	664
5808 Devonshire Drive	NB	11	15	214
5808 Devonshire Drive	SB	128	101	1831
5403 Brookeway Drive	NB	27	70	555
5403 Brookeway Drive	SB	14	11	171
5320 Ridgefield Road	NB	27	52	909

5320 Ridgefield Road	SB	22	32	545
5500 Block of Westbard Ave	NB	7	8	117
5500 Block of Westbard Ave	SB	19	21	284

Pedestrian Movement Volume

Pedestrian movement volumes were also collected from 6 AM to 7 PM (13 hours counts) at the intersections below:

- 1) Cromwell Drive at Marengo Road
 - a. Total of 101 pedestrians crossing Cromwell Drive.
- 2) Cromwell Drive at Lamar Road
 - a. Total of seven pedestrian crossing Cromwell Drive.
- 3) Cromwell Drive at Knollwood Road
 - a. Total of 81 pedestrians crossing Cromwell Drive.

VI. CONCLUSION:

Based on our review, we noticed that there are some areas where improvements can be made to enhance traffic safety within the Springfield Neighborhood (SN). At several locations where a SN street intersects with Maryland Department of Transportation State Highway Administration (MDOT SHA) roadway, the SN may pursue time of day access restrictions (see below). MCDOT has listed several SN roadways that include planned traffic safety improvements, below:

- Cromwell Drive from Ridgefield Road to Springfield Drive (Wood Acres Elementary School)
 - Stripe white edge line to provide 10.5 foot lanes. This is to narrow the road in conjunction with the existing torpedo islands and the proposed bump-out.
 - Convert existing school crossing (Cromwell Drive at school driveway) to an all-way stop control.
 - Remove existing crosswalk spanning Cromwell Drive at Newington Road intersection. Existing crosswalk is not the designated school crossing nor comply with the American with Disability Act (ADA).
 - Proposed improvements should be implemented by November 2024, weather and schedule permitting.
 - See **Appendix A** for concept sketches.

- Cromwell Drive at Marengo Road
 - Install a marked crosswalk with a pedestrian refuge median spanning Cromwell Drive.
 - Proposed improvement should be implemented by November 2024, weather and schedule permitting.
 - See **Appendix A** for concept sketch.
- Cromwell Drive at Knollwood Road
 - Install a marked crosswalk with a pedestrian refuge median spanning Cromwell Drive.
 - Proposed improvement should be implemented by November 2024, weather and schedule permitting.
 - See **Appendix A** for concept sketch.
- Cromwell Drive at Brookeway Drive
 - Consider a roundabout to calm traffic at Cromwell Drive and Brookeway Drive with the consensus from the community and a request from the president if the Springfield Civic Association. If implemented, parking along the roadway within the roundabout would no longer be permitted.
 - Implementation date to be determined.
 - See **Appendix A** for concept sketch.
- Springfield Drive at Ridgefield Road
 - Install a marked crosswalk with a pedestrian refuge median spanning Springfield Drive.
 - Proposed improvement should be implemented by November 2024, weather and schedule permitting.
 - See **Appendix A** for concept sketch.
- Ridgefield Avenue
 - No recommended improvements.

- MD 190 at Westbard Avenue (Between Ridgefield Road and MD 190)
 - Pending approval from MDOT SHA, close the median to restrict left turns from Westbard Avenue to MD 190. Left turns from MD 190 into Westbard Avenue will still be permitted.
 - See **Appendix A** for concept sketch.

- MD 190 (River Road) at Springfield Drive
 - This intersection is a candidate for a time of day access restriction per Executive Regulation 17-94AM Access Restriction.
 - The restriction will be for the right turns from MD 190 to Springfield Drive. The restriction will apply to both residents and non-residents.
 - Requests for access restriction must be made by the local citizens' association which represents a significant number of residents or by petition from 15 percent of the households in the area.

- MD 190 at Ogden Road
 - Pending approval from MDOT SHA, close the median to restrict left turns from Ogden Road to MD 190. Left turns from MD 190 into Ogden Road will still be permitted.
 - See **Appendix A** for concept sketch.
 - This intersection may be a candidate for a time of day access restriction per Executive Regulation 17-94AM. The restriction would be for the right turns from MD 190 to Ogden Road.
 - The restriction will apply to both residents and non-residents.
 - Requests for access restriction must be made by the local citizens' association which represents a significant number of residents or by petition from 15 percent of the households in the area.

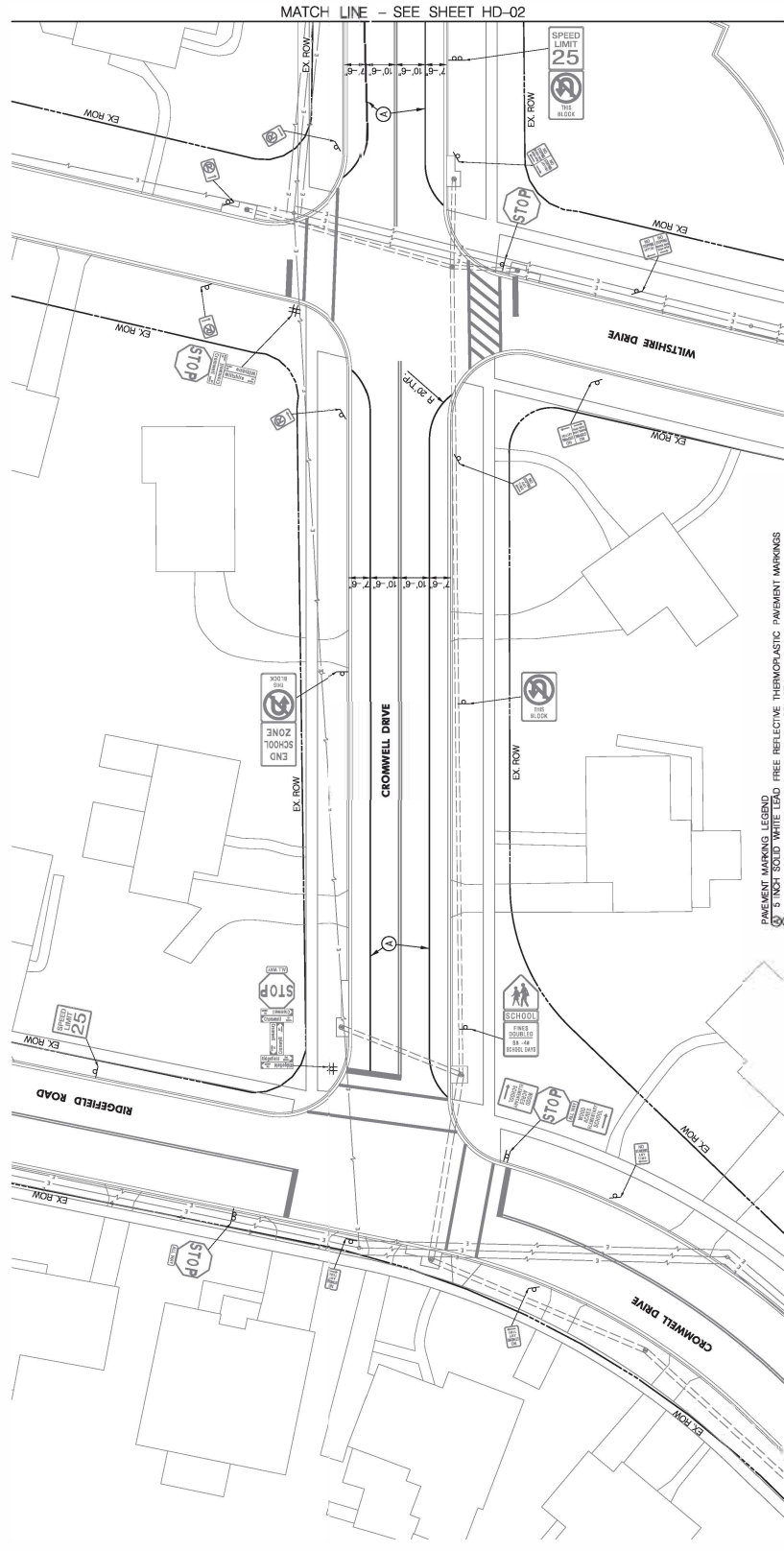
- MD 396 (Massachusetts Avenue) at Cromwell Drive
 - This intersection is a candidate for a time of day access restriction per Executive Regulation 17-94AM.
 - The restriction will apply to both residents and non-residents.
 - Requests for access restriction must be made by the local citizens' association which represents a significant number of residents or by petition from 15 percent of the households in the area.

- MD 396 at Brookeway Drive
 - This intersection may be a candidate for a time of day access restriction if a time a day access restriction per Executive Regulation 17-94AM.
 - The restriction will apply to both residents and non-residents.
 - Requests for access restriction must be made by the local citizens' association which represents a significant number of residents or by petition from 15 percent of the households in the area.
- Various Locations
 - MCDOT will upgrade all existing crosswalk markings to ladder markings.
 - Proposed improvements should be implemented in between July 1, 2024, and June 30, 2025.
 - See **Appendix A** for locations.

APPENDIX A

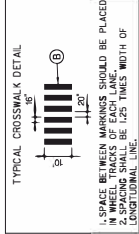


- MATERIAL LIST**
- 1. MAINTENANCE OF TRAFFIC
 - 150. 5" SOLID WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVENT MARKINGS
 - 2400. 18" SOLID WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVENT MARKINGS
 - 305. 5" FURNISH AND INSTALL GROUND MOUNTED SHEET ALUMINUM SIGNS
 - 34.5. 5" FURNISH AND INSTALL GROUND MOUNTED SIGN SUPPORTS
 - 22. 5" FURNISH AND INSTALL GROUND MOUNTED SIGN USING NEW SUPPORTS
 - 70. 5" METAL SIGN SUPPORTS (ANY PRELAW DESIGN)



PAVENT MARKING LEGEND

- ① 5" SOLID WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVENT MARKINGS
- ② 18" SOLID WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVENT MARKINGS
- ③ REMOVE EXISTING PAVENT MARKINGS



- GENERAL NOTES**
1. MAINTENANCE OF TRAFFIC WILL BE MAINTAINED BY THE CONTRACTOR UTILIZING CONSTRUCTION CLOSURE PLAN.
 2. RIGHT OF WAY LINES SHOWN ARE NOT OFFICIAL RIGHT OF WAY AND EASEMENT INFORMATION SEE APPROPRIATE RIGHT OF WAY PLATS.
 3. ALL PROPOSED GEOMETRIC IMPROVEMENTS ARE BASED OFF OF AVAILABLE GIS MAPING.
 4. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
 5. MARKINGS ARE MEASURED FROM FACE OF CURB TO CENTER OF MARKING THE MINIMUM TRAVEL LANE WIDTH SHALL BE 10' WIDE.
 6. THE CONTRACTOR SHALL CENTER THE PROPOSED CROSSWALKS ON THE EXISTING PROPOSED SIDEWALK MARKS.
 7. THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IS MAINTAINED FOR PROPOSED GEOMETRIC IMPROVEMENTS.

GEOMETRIC LEGEND

— EXISTING — PROPOSED

ROADWAY LEGEND

- ① TURFGRASS
- ② CONCRETE SIDEWALK
- ③ DETECTABLE WARNING SURFACE
- ④ PAVEMENTSIDEWALK REMOVAL
- ⑤ FULL DEPTH PAVEMENT

DATE	BY	REVISION	DESIGNED BY	DRAWN BY	CHECKED BY

HD-01
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRAFFIC ENGINEERING & OPERATIONS
MONTGOMERY COUNTY, MARYLAND

CONCEPT PLAN
CROMWELL DRIVE
RIDGEFIELD ROAD TO
SPRINGFIELD DRIVE

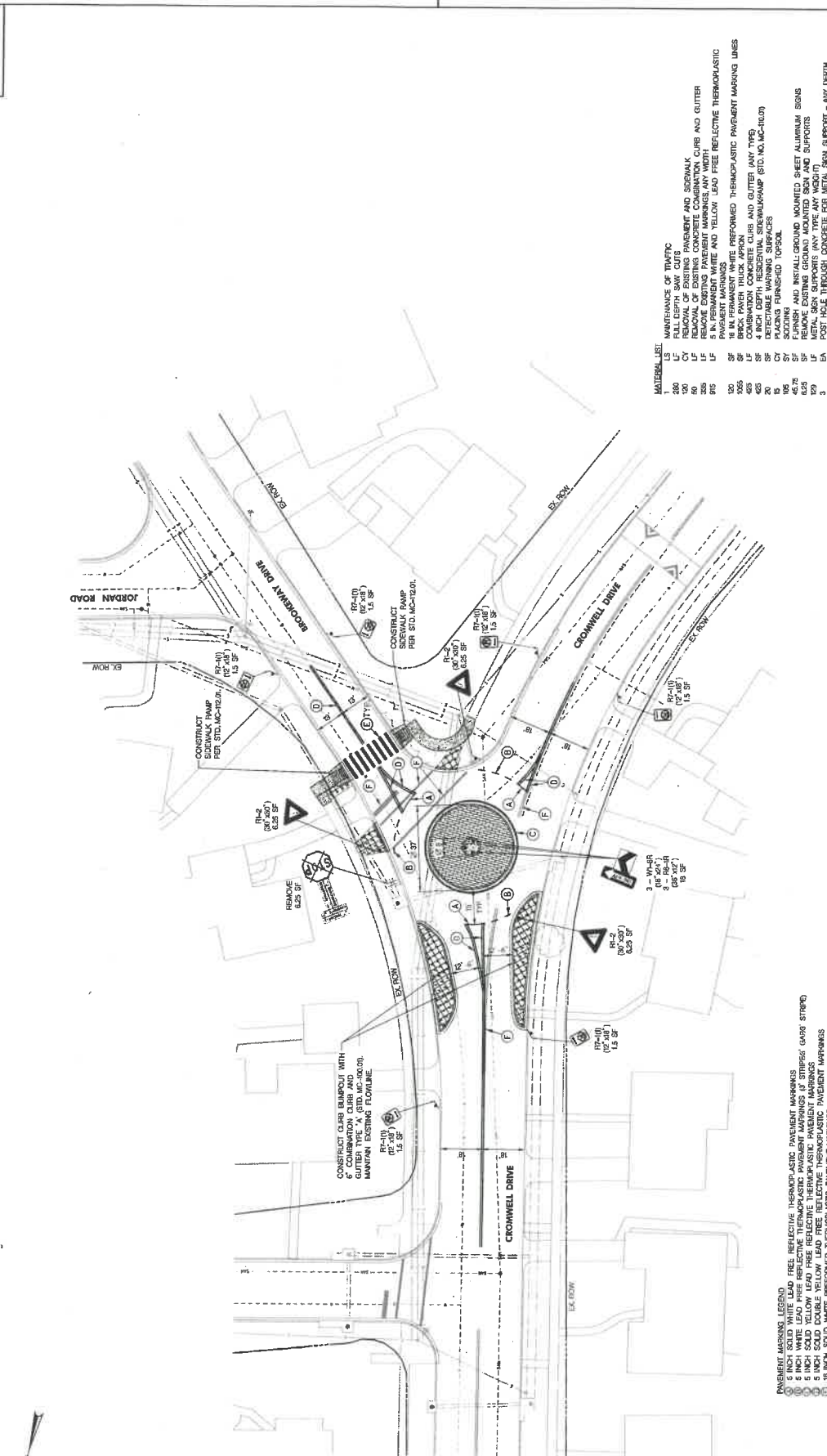
SCALE: 1" = 40' 20'

CONCEPT - NOT FOR CONSTRUCTION

DESIGNED BY: KUM Drawn By: KUM
CHECKED BY: KUM
DATE: 11/11/2019
11/11/2019
11/11/2019
11/11/2019
11/11/2019
11/11/2019

Cromwell Drive from Ridgefield Road to Springfield Drive





HD-01	DEPARTMENT OF TRANSPORTATION DIVISION OF TRAFFIC ENGINEERING & OPERATIONS MONTGOMERY COUNTY, MARYLAND
CONCEPT PLAN CROMWELL DRIVE AT BROOKWAY DRIVE INTERSECTION IMPROVEMENTS	

[illegible]

ROADWAY LEGEND	
	TURFGRASS
	CONCRETE SIDEWALK
	DETECTABLE WARNING SURFACE
	PAVEMENT/SIDEWALK REMOVAL
	BRICK PAVER TRUCK ASPON
	FULL DEPTH PAVEMENT

1. SPACE BETWEEN MARGINS SHOULD BE PLACED IN 2-FOOT PACKS OF EACH LINE.

2. SPACING BETWEEN LINES BE 1.25 TIMES WIDTH OF LONGITUDINAL LINE.

NOT TO SCALE

20' 0 20' 40'

SCALE: 1" = 20'

THE CONTRACTOR UTILIZING MONTGOMERY COUNTY
RIGHT OF WAY AND EASEMENT INFORMATION SEE
ED OFF OF AVAILABLE GIS MAPPING.
CONSTRUCTION WITH MEDIA STANDARDS
OF CLUBS TO CENTER OF TURNING, THE MINIMUM
CROSSWALK ON THE PROPOSED SIDEWALK RAMP.

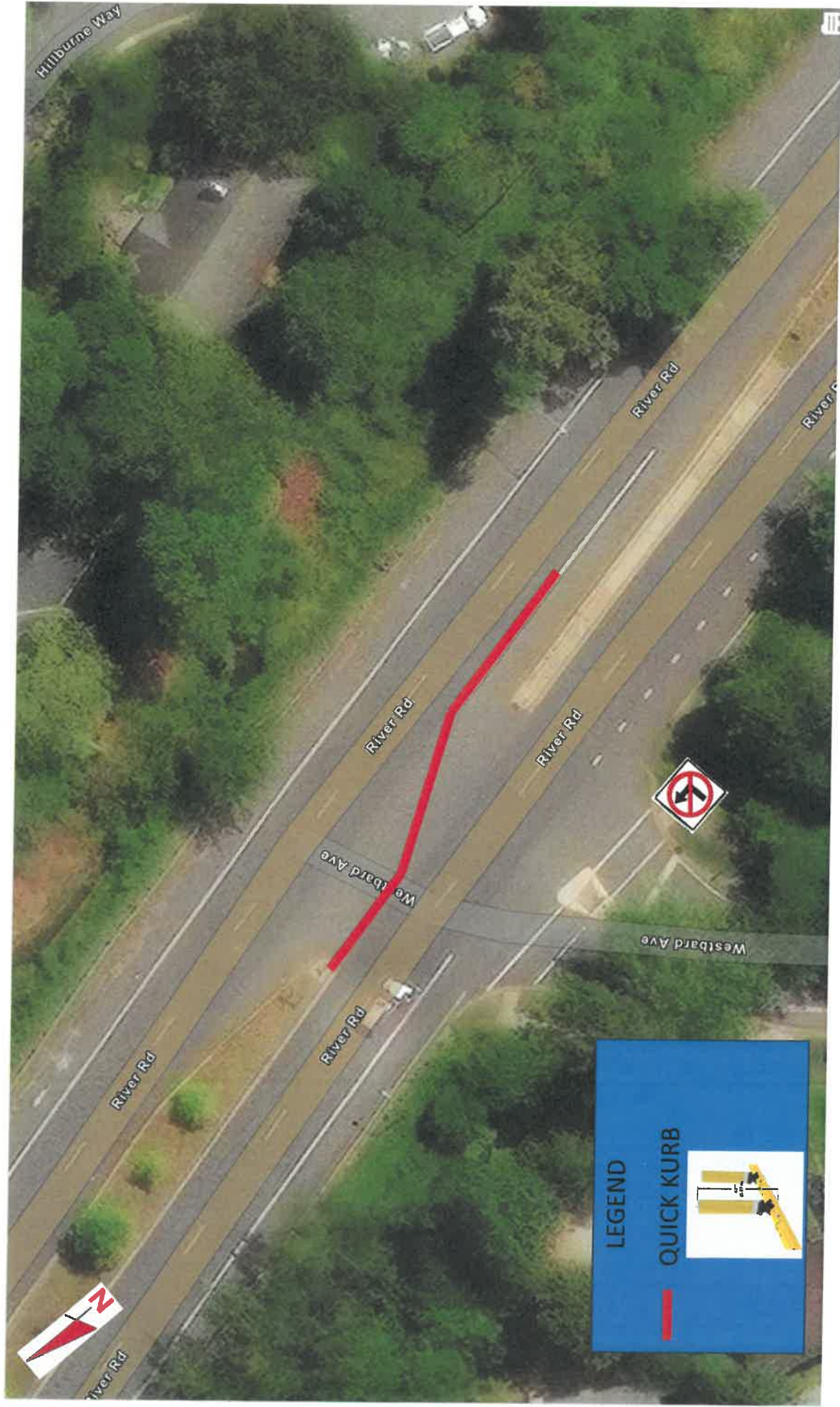
GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY STANDARD TYPICALS FOR TRAFFIC CONTROL.
2. RIGHT OF WAY LINES SHOWN ARE NOT OFFICIAL.
3. PROPORTIONATE RIGHT OF WAY PLANS.
4. ALL PAVEMENT GEOMETRIC IMPROVEMENTS ARE BASED ON THE EXISTING PAVEMENT.
5. ALL PAVEMENT IMPROVEMENTS SHALL BE INSTALLED IN THE EXISTING PAVEMENT FACE.
6. LANE DIMENSIONS ARE SHOWN ON FACE.
7. TRAVEL LANE WIDTH SHALL BE 10' WIDE.
8. THE CONTRACTOR SHALL CENTER THE PROPOSED SIDEWALK ON THE EXISTING SIDEWALK.
9. ALL CROSSWALKS SHALL BE 10' WIDE.





MD 190 at Ogden Road

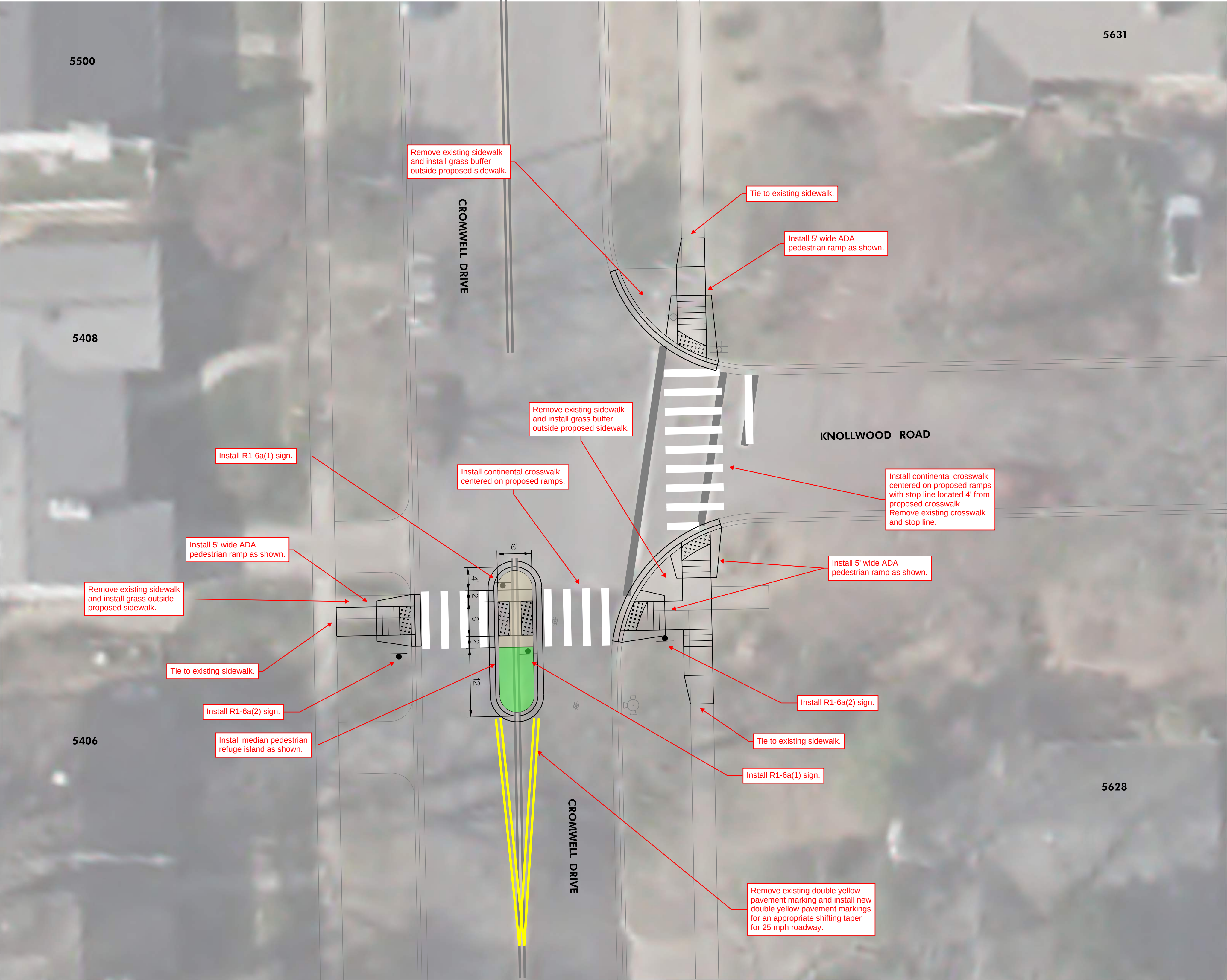
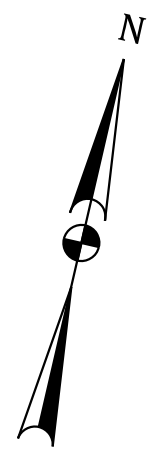


MD 190 at Westbard Avenue (Residential)

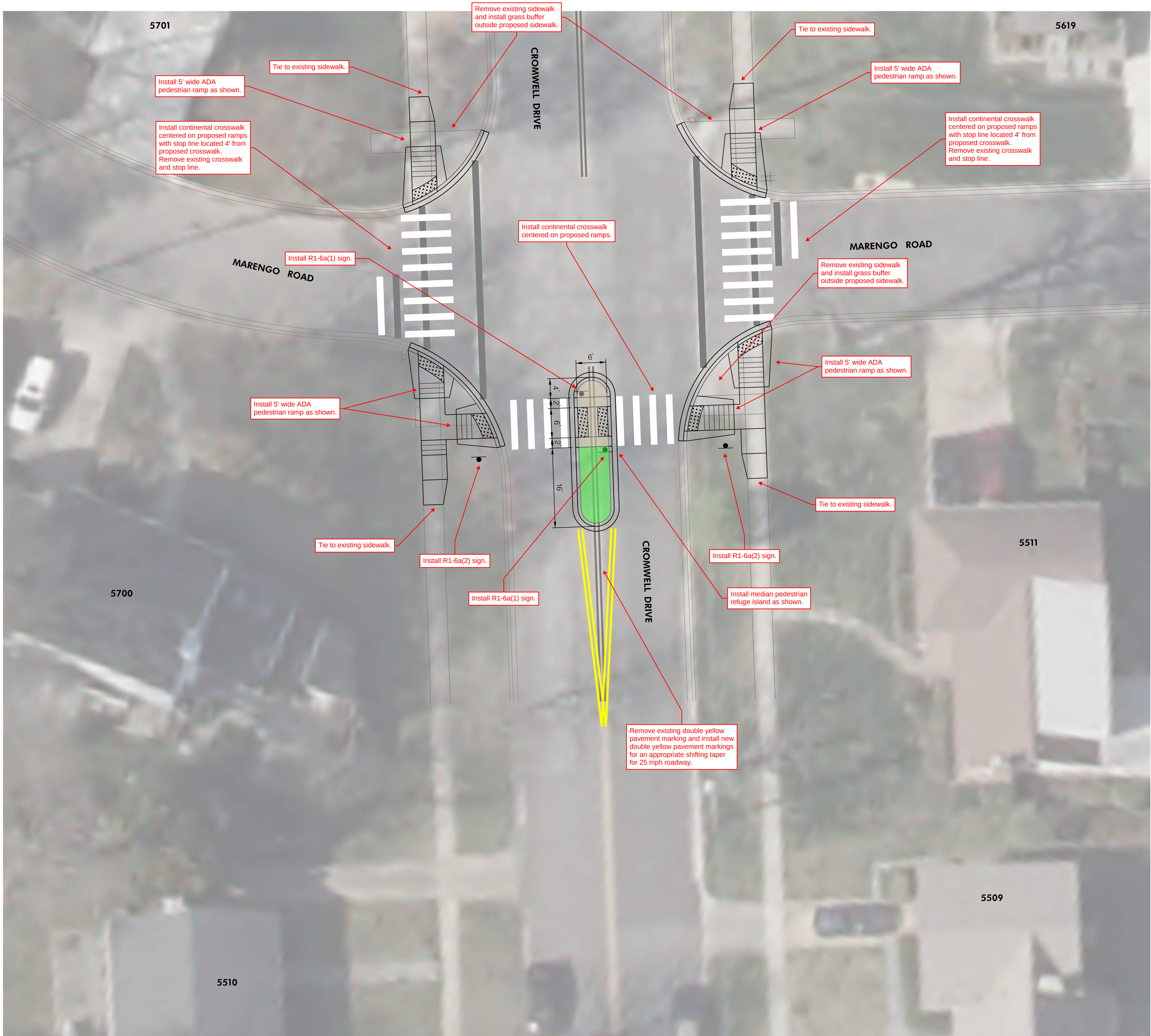
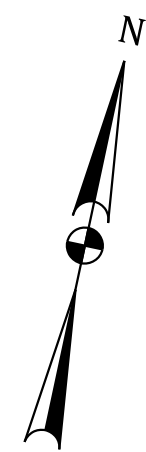


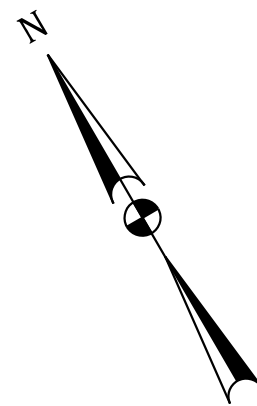
Proposed Crosswalk Marking Upgrade - Various Locations

CROMWELL DRIVE AT KNOLLWOOD ROAD PEDESTRIAN CROSSING

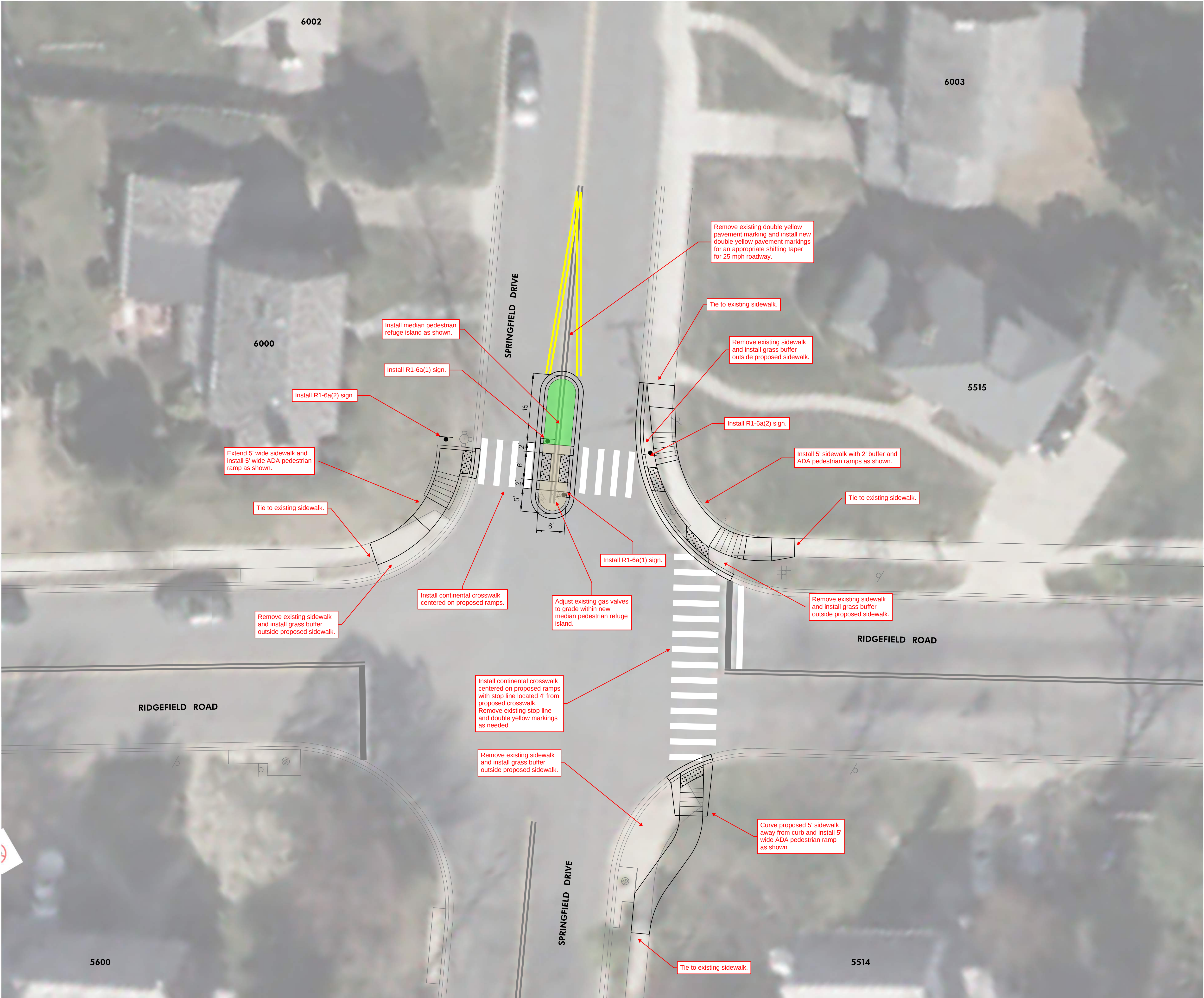


CROMWELL DRIVE AT MARENGO ROAD PEDESTRIAN CROSSING





SPRINGFIELD DRIVE AT RIDGEFIELD ROAD PEDESTRIAN CROSSING



APPENDIX B

SB	Start Time	15		16		21		26		31		36		41		46		51		56		61		66		71		76		85th		95th	
		1	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
	01/10/24	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	*	*		
	01:00	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	*	*			
	02:00	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	*	*			
	03:00	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	*	*			
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	12 PM	1	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	19	23			
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	19:00	2	2	2	3	0																											

MCV Associates, Inc
4605-C Pincrest Office Park Drive
Alexandria, VA 22312
Phone: 703-914-4850

Site Code: WO 1732
Station ID: SN:023587
Brookeway Drive
Near 5403 Brookeway Drive
Latitude: 0' 0.0000 Undefined

NB	Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th	95th			
		15	20	25	30	35	40	45	50	55	60	65	70	75	999		Percent	Percent			
	01/11/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*			
	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*			
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	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*			
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*			
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	06:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19			
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	10:00	1	6	6	0	0	0	0	1	0	0	0	0	0	0	14	24	46			
	11:00	2	2	2	0	0	0	0	0	0	0	0	0	0	0	6	22	24			
	12 PM	5	6	7	0	0	0	0	0	0	0	0	0	0	0	18	23	24			
	13:00	3	4	6	0	0	0	0	0	0	0	0	0	0	0	13	23	24			
	14:00	3	8	6	2	0	0	0	0	0	0	0	0	0	0	19	24	27			
	15:00	13	34	12	0	0	0	0	0	0	0	0	0	0	0	59	21	23			
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	17:00	2	16	5	0	0	0	0	0	0	0	0	0	0	0	23	21	23			
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	19:00	1	9	0	0	0	0	0	0	0	0	0	0	0	0	10	19	19			
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	23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19			
	Total	38	149	71	2	0	0	0	1	0	0	0	0	0	0	261					
	Percent	14.6%	57.1%	27.2%	0.8%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%						
	AM																				
	Peak	07:00	08:00	08:00															08:00		
	Vol.	3	14	6	10:00														21		
	PM																				
	Peak	15:00	15:00	15:00	14:00														15:00		
	Vol.	13	34	12	2														59		
	Total	38	149	71	2	0	0	0	1	0	0	0	0	0	0	0	261				
	Percent	14.6%	57.1%	27.2%	0.8%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%						

Stats
10 MPH Pace Speed : 16-25 MPH
Number in Pace : 220
Percent in Pace : 84.3%
Number of Vehicles > 55 MPH : 0
Mean speed (Average): 18 MPH

MCV Associates, Inc
4605-C Pinecrest Office Park Drive
Alexandria, VA 22312
Phone: 703-914-4850

Site Code: WO 1733
Station ID: SN:023587
Cromwell Drive
Near 5305 cromwell Drive
Latitude: 0' 0.0000 Undefined

NB	Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
		15	20	25	30	35	40	45	50	55	60	65	70	75	999			
	01/10/24	0	2	0	2	2	0	0	0	0	0	0	0	0	0	6	32	34
	01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	33	34
	02:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	33	34
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	04:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	33	34
	05:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	28	29
	06:00	0	0	2	6	4	1	0	0	0	0	0	0	0	0	13	33	36
	07:00	3	6	14	20	16	2	0	0	0	0	0	0	0	0	61	32	34
	08:00	3	7	34	53	34	9	0	0	0	0	0	0	0	0	140	33	36
	09:00	2	7	11	24	6	1	0	0	0	0	0	0	0	0	51	29	33
	10:00	1	4	12	14	5	2	0	0	0	0	0	0	0	0	38	31	35
	11:00	4	4	15	28	11	0	1	0	0	0	0	0	0	0	63	31	34
	12 PM	2	7	17	22	16	0	0	0	0	0	0	0	0	0	64	32	33
	13:00	0	1	12	32	11	1	2	0	0	0	0	0	0	0	59	32	35
	14:00	2	5	13	43	10	6	1	0	0	0	0	0	0	0	80	32	37
	15:00	2	10	28	68	26	7	0	0	0	0	0	0	0	0	141	32	34
	16:00	6	16	39	66	31	8	0	0	0	0	0	0	0	0	166	32	34
	17:00	3	9	25	60	30	5	4	0	0	0	0	0	0	0	136	33	37
	18:00	1	6	24	48	23	3	1	0	1	0	0	0	0	0	107	32	34
	19:00	1	3	8	21	9	2	0	0	0	0	0	0	0	0	44	32	34
	20:00	3	2	13	10	1	2	0	0	0	0	0	0	0	0	31	29	36
	21:00	0	6	4	8	9	1	0	0	0	0	0	0	0	0	28	33	34
	22:00	0	3	4	6	4	0	0	0	0	0	0	0	0	0	17	31	33
	23:00	1	1	4	1	1	0	0	0	0	0	0	0	0	0	8	28	32
	Total	34	101	281	533	252	50	9	0	1	0	0	0	0	0	1261		
	Percent	2.7%	8.0%	22.3%	42.3%	20.0%	4.0%	0.7%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
	AM																	
	Peak	11:00	08:00	08:00	08:00	08:00	08:00	11:00								08:00		
	Vol.	4	7	34	53	34	9	1								140		
	PM																	
	Peak	16:00	16:00	16:00	15:00	16:00	16:00	17:00		18:00						16:00		
	Vol.	6	16	39	68	31	8	4		1						166		
	Total	34	101	281	533	252	50	9	0	1	0	0	0	0	0	1261		
	Percent	2.7%	8.0%	22.3%	42.3%	20.0%	4.0%	0.7%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

Stats
10 MPH Pace Speed : 21-30 MPH
Number in Pace : 814
Percent in Pace : 64.6%
Number of Vehicles > 55 MPH : 0
Mean speed (Average): 27 MPH

MCV Associates, Inc
4605-C Pinecrest Office Park Drive
Alexandria, VA 22312
Phone: 703-914-4850

Site Code: WO 1733
Station ID: SN:023587
Cromwell Drive
Near 5305 cromwell Drive
Latitude: 0' 0.0000 Undefined

NB	Start Time	1		16		21		26		31		36		41		46		51		56		61		66		71		76		85th		95th
		15	20	0	0	1	0	2	0	2	0	3	40	45	45	50	50	55	60	65	70	75	79	84	89	94	99	104	Percent	Percent		
01/11/24																																
	01:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	33	34
	02:00	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	1	39	39	
	03:00	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	*	*	
	04:00	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	*	*	
	05:00	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	06:00	0	0	0	0	4	0	7	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	29	29	
	07:00	0	8	0	0	11	0	21	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	34	38	
	08:00	1	6	0	0	33	0	56	0	26	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	32	34	
	09:00	3	2	0	0	8	0	20	0	13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127	32	34	
	10:00	0	3	0	0	4	0	15	0	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	33	34	
	11:00	2	2	0	0	10	0	26	0	15	6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	33	34	
	12 PM	2	2	0	0	9	0	18	0	24	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	60	34	37	
	13:00	0	1	0	0	3	0	19	0	12	9	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	37	39	
	14:00	3	3	0	0	14	0	27	0	27	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	34	37	
	15:00	4	8	0	0	28	0	61	0	57	15	0	0	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	178	34	38	
	16:00	3	3	0	0	38	0	62	0	33	18	0	0	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	162	34	39	
	17:00	0	8	0	0	32	0	47	0	38	8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134	33	36	
	18:00	3	13	0	0	25	0	32	0	30	13	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	34	38	
	19:00	0	3	0	0	14	0	15	0	13	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	34	37	
	20:00	3	2	0	0	14	0	12	0	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	33	36	
	21:00	1	2	0	0	3	0	8	0	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	34	38	
	22:00	0	0	0	0	4	0	5	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	33	35	
	23:00	0	0	0	0	0	0	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	33	34	
Total		25	66	255	459	36.1%	27.1%	344	105	8.3%	1.1%	14	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1271	33		
Percent		2.0%	5.2%	20.1%	36.1%	27.1%	8.3%	1.1%	8.3%	1.1%	0.2%	0.0%	0.2%	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%			
AM																																
Peak	Vol.	3	8	08:00	08:00	33	08:00	56	11:00	6	11:00	08:00																				
PM																																
Peak	Vol.	4	13	18:00	16:00	38	16:00	62	15:00	18	15:00	12:00																				
Total	25	66	255	459	36.1%	27.1%	344	105	8.3%	1.1%	14	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1271	33		
Percent	2.0%	5.2%	20.1%	36.1%	27.1%	8.3%	1.1%	8.3%	1.1%	0.2%	0.0%	0.2%	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%			

Stats
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 803
Percent in Pace : 63.2%
Number of Vehicles > 55 MPH : 0
Mean speed (Average): 28 MPH

MCV Associates, Inc
4605-C Pinecrest Office Park Drive
Alexandria, VA 22312
Phone: 703-914-4850

Site Code: WO 1733
Station ID: SN:023587
Cromwell Drive
Near 5305 cromwell Drive
Latitude: 0' 0.0000 Undefined

SB	Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th	95th
		15	20	25	30	35	40	45	50	55	60	65	70	75	999		Percent	Percent
	01/11/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	29	29
	04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	14
	05:00	1	1	5	0	0	0	0	0	0	0	0	0	0	0	7	23	24
	06:00	1	3	14	2	0	0	0	0	0	0	0	0	0	0	20	24	27
	07:00	12	32	43	10	1	0	0	0	0	0	0	0	0	0	98	24	28
	08:00	21	74	74	7	2	0	0	0	0	0	0	0	0	0	178	23	25
	09:00	4	32	50	7	1	0	0	0	0	0	0	0	0	0	94	24	27
	10:00	1	7	36	13	1	0	0	0	0	0	0	0	0	0	58	27	29
	11:00	2	13	30	14	1	0	0	0	0	0	0	0	0	0	60	27	29
	12 PM	3	8	43	15	1	0	0	0	0	0	0	0	0	0	70	26	29
	13:00	5	11	29	6	0	0	0	0	0	0	0	0	0	0	51	24	27
	14:00	3	11	30	10	0	0	0	0	0	0	0	0	0	0	54	25	28
	15:00	11	32	58	8	0	0	0	0	0	0	0	0	0	0	109	24	26
	16:00	13	41	50	16	2	0	0	0	0	0	0	0	0	0	122	24	28
	17:00	4	30	56	7	0	1	0	0	0	0	0	0	0	0	98	24	27
	18:00	1	15	39	12	0	0	0	0	0	0	0	0	0	0	67	25	28
	19:00	1	11	28	8	0	1	0	0	0	0	0	0	0	0	49	26	29
	20:00	0	5	10	5	0	0	0	0	0	0	0	0	0	0	20	27	29
	21:00	1	4	9	2	1	0	0	0	0	0	0	0	0	0	17	26	30
	22:00	0	3	6	2	0	0	0	0	0	0	0	0	0	0	11	25	28
	23:00	0	2	5	0	0	0	0	0	0	0	0	0	0	0	7	23	24
	Total	85	335	615	145	10	2	0	0	0	0	0	0	0	0	1192		
	Percent	7.1%	28.1%	51.6%	12.2%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
	AM																	
	Peak	08:00	08:00	08:00	11:00	08:00										08:00		
	Vol.	21	74	74	14	2										178		
	PM																	
	Peak	16:00	16:00	15:00	16:00	16:00	17:00									16:00		
	Vol.	13	41	58	16	2	1									122		
	Total	85	335	615	145	10	2	0	0	0	0	0	0	0	0	1192		
	Percent	7.1%	28.1%	51.6%	12.2%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

Stats
10 MPH Pace Speed : 16-25 MPH
Number in Pace : 950
Percent in Pace : 79.7%
Number of Vehicles > 55 MPH : 0
Mean speed (Average): 21 MPH

Endesco, Inc.
15245 Shady Grove Rd, Suite 335,
Rockville, MD 20850
Phone: 301-987-8776

Site Code: WO:1731
Station ID: SN:023587
Devonshire Drive
Nea 5808 Devonshire Drive
Latitude: 0 0.0000 Undefined

SB	Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
	01/25/24	15	20	25	30	35	40	45	50	55	60	65	70	75	999	2	24	24
	01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24
	05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	06:00	1	4	4	0	0	0	0	0	0	0	0	0	0	0	9	23	24
	07:00	2	22	29	9	0	0	0	0	0	0	0	0	0	0	62	24	28
	08:00	3	30	70	22	0	0	0	0	0	0	0	0	0	0	125	25	28
	09:00	2	19	20	6	0	0	0	0	0	0	0	0	0	0	47	24	28
	10:00	2	12	25	3	0	0	0	0	0	0	0	0	0	0	42	24	26
	11:00	2	14	25	7	0	0	0	0	0	0	0	0	0	0	48	24	28
	12 PM	2	15	35	12	0	0	0	0	0	0	0	0	0	0	64	26	28
	13:00	0	10	28	8	1	0	0	0	0	0	0	0	0	0	47	26	29
	14:00	0	17	33	7	0	0	0	0	0	0	0	0	0	0	57	24	27
	15:00	0	22	36	13	1	0	0	0	0	0	0	0	0	0	72	26	28
	16:00	1	23	57	7	0	0	0	0	0	0	0	0	0	0	88	24	26
	17:00	2	25	68	6	0	0	0	0	0	0	0	0	0	0	101	24	25
	18:00	0	35	30	2	0	0	0	0	0	0	0	0	0	0	67	23	24
	19:00	1	14	13	1	0	0	0	0	0	0	0	0	0	0	29	23	24
	20:00	1	21	14	0	0	0	0	0	0	0	0	0	0	0	36	23	24
	21:00	1	9	7	0	0	0	0	0	0	0	0	0	0	0	17	23	24
	22:00	0	5	4	2	0	0	0	0	0	0	0	0	0	0	11	25	28
	23:00	0	4	3	1	0	0	0	0	0	0	0	0	0	0	8	24	27
	Total	20	302	504	106	2	0	0	0	0	0	0	0	0	0	934		
	Percent	2.1%	32.3%	54.0%	11.3%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
	AM Peak Vol.	3	30	70	22											08:00		
	PM Peak Vol.	2	35	68	13	1										125		
	Total	20	302	504	106	2	0	0	0	0	0	0	0	0	0	101		
	Percent	2.1%	32.3%	54.0%	11.3%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	934		
	15th Percentile :																	
	50th Percentile :																	
	85th Percentile :																	
	95th Percentile :																	

Stats
10 MPH Pace Speed : 16-25 MPH
Number in Pace : 806
Percent in Pace : 86.3%
Number of Vehicles > 55 MPH : 0
Mean speed (Average): 22 MPH

[illegible]

AM Peak Vol.	09:00	07:00	10:00	07:00	07:00	07:00
	3	12	15	4		30
PM Peak Vol.	15:00	15:00	16:00	18:00	18:00	16:00
	7	16	43	6	2	65
Total Percent	28 6.7%	131 31.3%	213 51.0%	40 9.6%	0 0.0%	0 0.0%

Stats	10 MPH Pace Speed :	16-25 MPH
	Number in Pace :	344
	Percent in Pace :	82.3%
	Number of Vehicles > 55 MPH :	0
	Mean speed (Average) :	21 MPH

MCV Associates, Inc
4605-C Pincrest Office Park Drive
Alexandria, VA 22312
Phone: 703-914-4850

Site Code: WO 1730
Station ID: SN:023587
Ogden Road
Near 5709 Ogden Road
Latitude: 0 0.0000 Undefined

SB	Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
	01/10/24	15	20	25	30	35	40	45	50	55	60	65	70	75	999	0	*	*
	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	06:00	2	2	4	1	0	0	0	0	0	0	0	0	0	0	1	12	14
	07:00	1	10	18	4	0	0	0	0	0	0	0	0	0	0	9	24	27
	08:00	3	13	28	5	0	1	0	0	0	0	0	0	0	0	33	24	27
	09:00	3	1	8	2	0	0	0	0	0	0	0	0	0	0	50	24	28
	10:00	2	6	8	5	1	0	0	0	0	0	0	0	0	0	14	24	28
	11:00	3	3	6	2	0	0	0	0	0	0	0	0	0	0	22	27	29
	12 PM	1	3	11	1	0	0	0	0	0	0	0	0	0	0	14	24	28
	13:00	2	1	5	2	0	0	0	0	0	0	0	0	0	0	16	24	26
	14:00	0	10	8	3	0	0	0	0	0	0	0	0	0	0	10	26	28
	15:00	9	9	18	4	2	0	0	0	0	0	0	0	0	0	21	24	28
	16:00	0	5	5	3	1	0	0	0	0	0	0	0	0	0	42	24	29
	17:00	2	8	11	4	0	0	0	0	0	0	0	0	0	0	14	28	31
	18:00	1	2	9	4	0	0	0	0	0	0	0	0	0	0	25	25	28
	19:00	4	2	13	3	1	0	0	0	0	0	0	0	0	0	16	27	29
	20:00	0	3	11	1	0	0	0	0	0	0	0	0	0	0	23	25	29
	21:00	0	0	6	2	0	0	0	0	0	0	0	0	0	0	15	24	26
	22:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	8	27	28
	23:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	23	24
	Total	34	79	171	48	5	1	0	0	0	0	0	0	0	0	338		29
	Percent	10.1%	23.4%	50.6%	14.2%	1.5%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM		08:00	08:00	08:00	08:00	10:00	08:00									08:00		
Peak Vol.		3	13	28	5	1	1									50		
PM		15:00	14:00	15:00	15:00	15:00										15:00		
Peak Vol.		9	10	18	4	2										42		
Total		34	79	171	48	5	1	0	0	0	0	0	0	0	0	338		
Percent		10.1%	23.4%	50.6%	14.2%	1.5%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
15th Percentile :						16 MPH												
50th Percentile :						21 MPH												
85th Percentile :						25 MPH												
95th Percentile :						28 MPH												

Stats

10 MPH Pace Speed :	16-25 MPH
Number in Pace :	250
Percent in Pace :	74.0%
Number of Vehicles > 55 MPH :	0
Mean speed (Average):	21 MPH

MCV Associates, Inc
4605-C Pinecrest Office Park Drive
Alexandria, VA 22312
Phone: 703-914-4850

Site Code: WO 1730
Station ID: SN:023587
Ogden Road
Near 5709 Ogden Road
Latitude: 0 0.0000 Undefined

NB	Start Time		1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	Percent	Percent
01/11/24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	4	27	29
07:00	3	11	12	3	0	0	0	0	0	0	0	0	0	0	0	0	3	32	34
08:00	2	5	15	6	0	0	0	0	0	0	0	0	0	0	0	0	29	24	27
09:00	1	5	7	3	0	0	0	0	0	0	0	0	0	0	0	0	28	26	28
10:00	1	3	5	3	0	0	1	0	0	0	0	0	0	0	0	0	16	26	28
11:00	0	8	9	4	0	0	0	0	0	0	0	0	0	0	0	0	13	28	41
12 PM	2	3	13	4	0	0	0	0	0	0	0	0	0	0	0	0	21	26	28
13:00	1	4	6	2	0	0	0	0	0	0	0	0	0	0	0	0	22	25	28
14:00	4	5	17	7	0	0	0	0	0	0	0	0	0	0	0	0	13	25	28
15:00	8	22	23	4	1	0	0	0	0	0	0	0	0	0	0	0	33	26	28
16:00	2	17	30	8	1	0	0	0	0	0	0	1	0	0	0	0	59	24	28
17:00	5	17	21	8	0	0	0	0	0	0	1	0	0	0	0	0	58	25	28
18:00	3	14	21	7	0	0	0	0	0	0	0	0	0	0	0	0	52	25	29
19:00	1	5	8	3	0	0	0	0	0	0	0	0	0	0	0	0	45	25	28
20:00	1	5	8	2	0	0	0	0	0	0	0	0	0	0	0	0	17	25	28
21:00	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	16	24	27
22:00	0	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	7	22	24
23:00	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	10	23	24
Total	36	135	206	67	3	0	1	0	1	1	1	1	0	0	0	0	450		29
Percent	8.0%	30.0%	45.8%	14.9%	0.7%	0.0%	0.2%	0.0%	0.2%	0.2%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	3	11	15	6	1		10:00										07:00		
PM Peak Vol.	8	22	30	8	1		1										29		
Total	36	135	206	67	3	0	1	0	1	1	1	1	0	0	0	0	450		
Percent	8.0%	30.0%	45.8%	14.9%	0.7%	0.0%	0.2%	0.0%	0.2%	0.2%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%			
15th Percentile :																			
50th Percentile :																			
85th Percentile :																			
95th Percentile :																			

Stats
10 MPH Pace Speed : 16-25 MPH
Number in Pace : 341
Percent in Pace : 75.8%
Number of Vehicles > 55 MPH : 1
Mean speed (Average): 21 MPH

[illegible]

AM Peak Vol.	08:00	07:00	08:00	07:00	07:00	08:00	07:00	07:00	08:00	07:00	08:00
	5	11	15	8	1						37
PM Peak Vol.	15:00	16:00	15:00	17:00	18:00	15:00	17:00	18:00	15:00	17:00	15:00
	3	11	18	6	2						32
Total Percent	27 8.3%	80 24.5%	145 44.5%	70 21.5%	4 1.2%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%

Stats	10 MPH Pace Speed :	16-25 MPH
	Number in Pace :	225
	Percent in Pace :	69.0%
	Number of Vehicles > 55 MPH :	0
	Mean speed (Average):	22 MPH

Site Code: WO 1734
Station ID: SN-023587

Start Time		1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
		15	20	25	30	35	40	45	50	55	60	65	70	75	999			
NB	01/10/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	23	24
	05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	06:00	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	27	28
	07:00	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	4	29
	08:00	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	4	24
	09:00	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4	27
	10:00	1	2	1	3	0	0	0	0	0	0	0	0	0	0	0	8	32
	11:00	1	1	2	3	3	0	0	0	0	0	0	0	0	0	0	7	29
	12 PM	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	27
	13:00	2	0	1	2	0	0	0	0	0	0	0	0	0	0	0	5	28
	14:00	0	3	5	3	3	1	0	0	0	0	0	0	0	0	0	12	31
	15:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3	34
	16:00	1	2	3	2	2	0	0	0	0	0	0	0	0	0	0	8	27
	17:00	0	2	5	2	2	0	0	0	0	0	0	0	0	0	0	9	26
	18:00	0	2	3	4	2	1	0	0	0	0	0	0	0	0	0	10	29
	19:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	24
	20:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	23
	21:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	34
	22:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	34
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total		8	19	29	26	6	0	0	0	0	0	0	0	0	0	88		
Percent		9.1%	21.6%	33.0%	29.5%	6.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM																		
Peak		07:00	06:00	08:00	10:00	10:00										10:00		
Vol.		1	2	3	3	1										8		
PM																		
Peak		12:00	14:00	14:00	18:00	14:00										14:00		
Vol.		2	3	5	4	1										12		
Total		8	19	29	26	6	0	0	0	0	0	0	0	0	0	88		
Percent		9.1%	21.6%	33.0%	29.5%	6.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
		15th Percentile : 16 MPH																
		50th Percentile : 22 MPH																
		85th Percentile : 28 MPH																
		95th Percentile : 31 MPH																
Stats		10 MPH Pace Speed :		21-30 MPH														
		Number in Pace :		55														
		Percent in Pace :		62.5%														
		Number of Vehicles > 55 MPH :		0														
		Mean speed (Average) :		23 MPH														

MCV Associates, Inc
4605-C Pincrest Office Park Drive
Alexandria, VA 22312
Phone: 703-914-4850

Site Code: WO 1734
Station ID: SN:023587
Osceola Road
Near 5815 Osceola Road
Latitude: 0' 0.0000 Undefined

SB	Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th	95th		
		15	20	25	30	35	40	45	50	55	60	65	70	75	999		Percent	Percent		
	01/10/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24		
	07:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	24	24		
	08:00	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5	19	19		
	09:00	1	3	1	0	0	0	0	0	0	0	0	0	0	0	5	21	23		
	10:00	1	1	2	1	0	0	0	0	0	0	0	0	0	0	5	26	28		
	11:00	1	2	3	1	0	0	0	0	0	0	0	0	0	0	7	24	28		
	12 PM	2	3	5	2	0	0	0	0	0	0	0	0	0	0	12	25	28		
	13:00	1	3	3	1	0	0	0	0	0	0	0	0	0	0	8	24	27		
	14:00	1	6	4	2	0	0	0	0	0	0	0	0	0	0	13	25	28		
	15:00	1	3	7	1	0	0	0	0	0	0	0	0	0	0	12	24	26		
	16:00	0	2	4	0	0	0	0	0	0	0	0	0	0	0	6	23	24		
	17:00	0	3	5	1	0	0	0	0	0	0	0	0	0	0	9	24	27		
	18:00	0	4	4	0	0	0	0	0	0	0	0	0	0	0	8	23	24		
	19:00	0	3	3	1	0	0	0	0	0	0	0	0	0	0	7	24	28		
	20:00	0	2	2	1	0	0	0	0	0	0	0	0	0	0	5	26	28		
	21:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	29	29		
	22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24		
	23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	Total	8	40	48	12	0	0	0	0	0	0	0	0	0	0	108				
	Percent	7.4%	37.0%	44.4%	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%					
	AM																			
	Peak	09:00	08:00	07:00	10:00														11:00	
	Vol.	1	5	3	1														7	
	PM																			
	Peak	12:00	14:00	15:00	12:00														14:00	
	Vol.	2	6	7	2														13	
	Total	8	40	48	12	0	0	0	0	0	0	0	0	0	0	0	108			
	Percent	7.4%	37.0%	44.4%	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				

Stats

10 MPH Pace Speed :	16-25 MPH
Number in Pace :	88
Percent in Pace :	81.5%
Number of Vehicles > 55 MPH :	0
Mean speed (Average):	21 MPH

MCV Associates, Inc
4605-C Pincrest Office Park Drive
Alexandria, VA 22312
Phone: 703-914-4850

Site Code: WO 1734
Station ID: SN:023587
Osceola Road
Near 5815 Osceola Road
Latitude: 0' 0.0000 Undefined

SB	Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	85th	95th
	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Percent	Percent
01/11/24		0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	29
01:00		0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19
02:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
03:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
04:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
05:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
06:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
07:00		2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	*
08:00		1	3	2	0	0	0	0	0	0	0	0	0	0	0	6	23
09:00		1	1	1	1	1	0	0	0	0	0	0	0	0	0	6	22
10:00		0	1	2	1	0	0	0	0	0	0	0	0	0	0	5	31
11:00		1	2	2	1	0	0	0	0	0	0	0	0	0	0	4	27
12 PM		0	4	0	1	0	0	0	0	0	0	0	0	0	0	6	25
13:00		2	1	5	2	0	0	0	0	0	0	0	0	0	0	5	26
14:00		2	2	4	1	1	0	0	0	0	0	0	0	0	0	10	26
15:00		2	6	2	1	1	0	0	0	0	0	0	0	0	0	10	27
16:00		1	5	2	0	0	0	0	0	0	0	0	0	0	0	11	23
17:00		2	2	6	0	0	0	0	0	0	0	0	0	0	0	8	22
18:00		3	4	3	0	0	0	0	0	0	0	0	0	0	0	10	23
19:00		0	5	4	0	1	0	0	0	0	0	0	0	0	0	10	22
20:00		0	1	2	0	0	0	0	0	0	0	0	0	0	0	10	24
21:00		0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	23
22:00		0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	24
23:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19
Total		17	40	39	9	3	0	0	0	0	0	0	0	0	0	0	*
Percent		15.7%	37.0%	36.1%	8.3%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	108	
AM Peak		07:00	08:00	07:00	00:00	09:00											
Vol.		2	3	3	1	1											
PM Peak		18:00	15:00	17:00	13:00	14:00											
Vol.		3	6	6	2	1											
Total		17	40	39	9	3	0	0	0	0	0	0	0	0	0	11	
Percent		15.7%	37.0%	36.1%	8.3%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	108	
15th Percentile :																	
50th Percentile :																	
85th Percentile :																	
95th Percentile :																	

Stats
10 MPH Pace Speed : 16-25 MPH
Number in Pace : 79
Percent in Pace : 73.1%
Number of Vehicles > 55 MPH : 0
Mean speed (Average): 19 MPH

Endesco, Inc.
15245 Shady Grove Rd, Suite 335,
Rockville, MD 20850
Phone No: 301 -987-8776

Site Code: WO: 1778
Station ID: SN:023587
Ridgefield Road
Near 5320 Ridgefield Road
Latitude: 0' 0.0000 Undefined

North Bound		1	16	21	26	31	36	41	46	51	56	61	66	71	76	85th	95th
Start	Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Percent
01/31/24	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	05:00	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	06:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	14
	07:00	4	7	3	0	0	0	0	0	0	0	0	0	0	0	14	19
	08:00	8	15	3	1	0	0	0	0	0	0	0	0	0	0	27	23
	09:00	7	7	2	0	0	0	0	0	0	0	0	0	0	0	16	19
	10:00	7	8	4	1	0	0	0	0	0	0	0	0	0	0	20	22
	11:00	6	9	7	1	0	0	0	0	0	0	0	0	0	0	23	25
	12 PM	9	12	6	1	0	0	0	0	0	0	0	0	0	0	28	24
	13:00	11	14	12	0	0	0	0	0	0	0	0	0	0	0	37	24
	14:00	8	19	4	0	0	0	0	0	0	0	0	0	0	0	31	19
	15:00	10	17	13	1	0	0	0	0	0	0	0	0	0	0	41	23
	16:00	9	27	7	0	0	0	0	0	0	0	0	0	0	0	43	20
	17:00	6	27	12	0	0	0	0	0	0	0	0	0	0	0	45	22
	18:00	11	24	7	1	0	0	0	0	0	0	0	0	0	0	43	21
	19:00	10	12	1	1	0	0	0	0	0	0	0	0	0	0	24	19
	20:00	7	13	8	0	0	0	0	0	0	0	0	0	0	0	28	24
	21:00	3	11	1	0	0	0	0	0	0	0	0	0	0	0	15	19
	22:00	1	3	1	0	0	0	0	0	0	0	0	0	0	0	5	21
	23:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	23
Total		122	228	91	7	0	0	0	0	0	0	0	0	0	0	448	12
Percent		27.2%	50.9%	20.3%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
AM		08:00	08:00	11:00	08:00											08:00	
Peak		Vol.	8	15	7	1										27	
PM		13:00	16:00	15:00	12:00											17:00	
Peak		Vol.	11	27	13	1										45	
Total		122	228	91	7	0	0	0	0	0	0	0	0	0	0	448	
Percent		27.2%	50.9%	20.3%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		15th Percentile : 8 MPH															
		50th Percentile : 17 MPH															
		85th Percentile : 21 MPH															
		95th Percentile : 24 MPH															

Stats

10 MPH Pace Speed :	16-25 MPH
Number in Pace :	319
Percent in Pace :	71.2%
Number of Vehicles > 20 MPH :	98
Percent of Vehicles > 20 MPH :	21.9%
Mean Speed(Average) :	16 MPH

Endesco, Inc.
15245 Shady Grove Rd, Suite 335,
Rockville, MD 20850
Phone No: 301 -987-8776

Site Code: WO: 1778
Station ID: SN:023587
Ridgefield Road
Near 5320 Ridgefield Road
Latitude: 0' 0.0000 Undefined

South Bound		1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999				
01/31/24	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	24	24
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
06:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	18	19
07:00	2	9	8	0	0	0	0	0	0	0	0	0	0	0	0	3	18	19
08:00	4	9	8	0	0	0	0	0	0	0	0	0	0	0	0	19	23	24
09:00	1	7	4	0	0	0	0	0	0	0	0	0	0	0	0	21	23	24
10:00	0	6	5	1	0	0	0	0	0	0	0	0	0	0	0	12	22	24
11:00	1	5	6	4	0	0	0	0	0	0	0	0	0	0	0	16	24	26
12 PM	0	7	7	1	0	0	0	0	0	0	0	0	0	0	0	15	27	29
13:00	3	9	6	1	0	0	0	0	0	0	0	0	0	0	0	19	24	26
14:00	1	11	7	1	0	0	0	0	0	0	0	0	0	0	0	20	23	25
15:00	4	9	12	1	0	0	0	0	0	0	0	0	0	0	0	26	23	25
16:00	2	8	9	1	0	0	0	0	0	0	0	0	0	0	0	20	23	24
17:00	5	7	7	0	0	0	0	0	0	0	0	0	0	0	0	19	22	24
18:00	3	6	11	1	0	0	0	0	0	0	0	0	0	0	0	21	24	24
19:00	1	7	5	1	0	0	0	0	0	0	0	0	0	0	0	14	23	26
20:00	2	6	3	0	0	0	0	0	0	0	0	0	0	0	0	11	22	24
21:00	2	6	3	0	0	0	0	0	0	0	0	0	0	0	0	11	22	24
22:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	22	24
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	34	116	103	12	0	0	0	0	0	0	0	0	0	0	0	265		
Percent	12.8%	43.8%	38.9%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	07:00	07:00	11:00												08:00		
Vol.	4	9	8	4												21		
PM Peak	17:00	14:00	15:00	12:00												15:00		
Vol.	5	11	12	1												26		
Total	34	116	103	12	0	0	0	0	0	0	0	0	0	0	0	265		
Percent	12.8%	43.8%	38.9%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
Stats																		
10 MPH Pace Speed : 16-25 MPH																		
Number in Pace : 219																		
Percent in Pace : 82.6%																		
Number of Vehicles > 20 MPH : 115																		
Percent of Vehicles > 20 MPH : 43.4%																		
Mean Speed(Average) : 19 MPH																		

Endesco, Inc.
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Phone No: 301 -987-8776

Site Code: WO: 1778
Station ID: SN:023587
Ridgefield Road
Near 5320 Ridgefield Road
Latitude: 0' 0.0000 Undefined

North Bound		1	16	21	26	31	36	41	46	51	56	61	66	71	76	85th	95th
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	Percent	Percent
02/01/24	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	24
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	14
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
05:00	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	14
06:00	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	4	17
07:00	5	13	7	0	0	0	0	0	0	0	0	0	0	0	0	5	19
08:00	5	12	9	0	0	0	0	0	0	0	0	0	0	0	0	25	24
09:00	8	10	1	0	0	0	0	0	0	0	0	0	0	0	0	26	24
10:00	2	6	2	0	0	0	0	0	0	0	0	0	0	0	0	19	20
11:00	6	15	3	0	0	0	0	0	0	0	0	0	0	0	0	10	23
12 PM	8	15	9	1	0	0	0	0	0	0	0	0	0	0	0	24	23
13:00	9	10	10	1	0	0	0	0	0	0	0	0	0	0	0	33	24
14:00	7	19	11	0	0	0	0	0	0	0	0	0	0	0	0	30	24
15:00	9	18	8	0	0	0	0	0	0	0	0	0	0	0	0	37	24
16:00	14	30	8	0	0	0	0	0	0	0	0	0	0	0	0	35	23
17:00	10	26	8	0	0	0	0	0	0	0	0	0	0	0	0	52	23
18:00	6	28	11	0	0	0	0	0	0	0	0	0	0	0	0	44	23
19:00	4	15	8	0	0	0	0	0	0	0	0	0	0	0	0	45	23
20:00	9	10	4	0	0	0	0	0	0	0	0	0	0	0	0	27	24
21:00	3	6	2	0	0	0	0	0	0	0	0	0	0	0	0	23	23
22:00	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	11	23
23:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	23
Total	115	241	103	2	0	0	0	0	0	0	0	0	0	0	0	3	12
Percent	24.9%	52.3%	22.3%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	461	
AM Peak	09:00	11:00	08:00													08:00	
Vol.	8	15	9													26	
PM Peak	16:00	16:00	14:00	12:00												16:00	
Vol.	14	30	11	1												52	
Total	115	241	103	2	0	0	0	0	0	0	0	0	0	0	0	461	
Percent	24.9%	52.3%	22.3%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	461	

Stats

10 MPH Pace Speed :	16-25 MPH
Number in Pace :	344
Percent in Pace :	74.6%
Number of Vehicles > 20 MPH :	105
Percent of Vehicles > 20 MPH :	22.8%
Mean Speed(Average) :	17 MPH

Endesco, Inc.
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Site Code: WO: 1778
Station ID: SN:023587
Ridgefield Road
Near 5320 Ridgefield Road
Latitude: 0' 0.0000 Undefined

North Bound		1	16	21	26	31	36	41	46	51	56	61	66	71	76	85th	95th
Start	Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Percent
01/31/24	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	05:00	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	06:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	14
	07:00	4	7	3	0	0	0	0	0	0	0	0	0	0	0	14	19
	08:00	8	15	3	1	0	0	0	0	0	0	0	0	0	0	27	23
	09:00	7	7	2	0	0	0	0	0	0	0	0	0	0	0	16	19
	10:00	7	8	4	1	0	0	0	0	0	0	0	0	0	0	20	22
	11:00	6	9	7	1	0	0	0	0	0	0	0	0	0	0	23	25
	12 PM	9	12	6	1	0	0	0	0	0	0	0	0	0	0	28	24
	13:00	11	14	12	0	0	0	0	0	0	0	0	0	0	0	37	24
	14:00	8	19	4	0	0	0	0	0	0	0	0	0	0	0	31	19
	15:00	10	17	13	1	0	0	0	0	0	0	0	0	0	0	41	23
	16:00	9	27	7	0	0	0	0	0	0	0	0	0	0	0	43	20
	17:00	6	27	12	0	0	0	0	0	0	0	0	0	0	0	45	22
	18:00	11	24	7	1	0	0	0	0	0	0	0	0	0	0	43	21
	19:00	10	12	1	1	0	0	0	0	0	0	0	0	0	0	24	19
	20:00	7	13	8	0	0	0	0	0	0	0	0	0	0	0	28	24
	21:00	3	11	1	0	0	0	0	0	0	0	0	0	0	0	15	19
	22:00	1	3	1	0	0	0	0	0	0	0	0	0	0	0	5	21
	23:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	23
Total		122	228	91	7	0	0	0	0	0	0	0	0	0	0	448	12
Percent		27.2%	50.9%	20.3%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
AM		08:00	08:00	11:00	08:00											08:00	
Peak		Vol.	8	15	7	1										27	
PM		13:00	16:00	15:00	12:00											17:00	
Peak		Vol.	11	27	13	1										45	
Total		122	228	91	7	0	0	0	0	0	0	0	0	0	0	448	
Percent		27.2%	50.9%	20.3%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		15th Percentile : 8 MPH															
		50th Percentile : 17 MPH															
		85th Percentile : 21 MPH															
		95th Percentile : 24 MPH															

Stats

10 MPH Pace Speed :	16-25 MPH
Number in Pace :	319
Percent in Pace :	71.2%
Number of Vehicles > 20 MPH :	98
Percent of Vehicles > 20 MPH :	21.9%
Mean Speed(Average) :	16 MPH

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Station ID: SN:023587
Ridgefield Road
Near 5320 Ridgefield Road
Latitude: 0' 0.0000 Undefined

South Bound		1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999				
01/31/24	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	24	24
	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	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	*	*
	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	18	19
	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	18	19
	2	9	8	0	0	0	0	0	0	0	0	0	0	0	0	19	23	24
	4	9	8	0	0	0	0	0	0	0	0	0	0	0	0	21	23	24
	1	7	4	0	0	0	0	0	0	0	0	0	0	0	0	12	22	24
	0	6	5	1	0	0	0	0	0	0	0	0	0	0	0	12	24	26
	1	5	6	4	0	0	0	0	0	0	0	0	0	0	0	16	27	29
	12 PM	0	7	7	1	0	0	0	0	0	0	0	0	0	0	15	24	26
	13:00	3	9	6	1	0	0	0	0	0	0	0	0	0	0	19	23	25
	14:00	1	11	7	1	0	0	0	0	0	0	0	0	0	0	20	23	25
	15:00	4	9	12	1	0	0	0	0	0	0	0	0	0	0	26	23	24
	16:00	2	8	9	1	0	0	0	0	0	0	0	0	0	0	20	23	25
	17:00	5	7	7	0	0	0	0	0	0	0	0	0	0	0	19	22	24
	18:00	3	6	11	1	0	0	0	0	0	0	0	0	0	0	21	24	24
19:00	1	7	5	1	0	0	0	0	0	0	0	0	0	0	14	23	26	
20:00	2	6	3	0	0	0	0	0	0	0	0	0	0	0	11	22	24	
21:00	2	6	3	0	0	0	0	0	0	0	0	0	0	0	11	22	24	
22:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	22	24	
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	34	116	103	12	0	0	0	0	0	0	0	0	0	0	0	265		
Percent	12.8%	43.8%	38.9%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	07:00	07:00	11:00												08:00		
Vol.	4	9	8	4												21		
PM Peak	17:00	14:00	15:00	12:00												15:00		
Vol.	5	11	12	1												26		
Total	34	116	103	12	0	0	0	0	0	0	0	0	0	0	0	265		
Percent	12.8%	43.8%	38.9%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
Stats		10 MPH Pace Speed :		16-25 MPH														
		Number in Pace :		219														
		Percent in Pace :		82.6%														
Number of Vehicles > 20 MPH :		115																
Percent of Vehicles > 20 MPH :		43.4%																
Mean Speed(Average) :		19 MPH																

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Latitude: 0' 0.0000 Undefined

South Bound		1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th	95th
Start Time	15	20	25	30	35	40	45	45	50	55	60	65	70	75	99		Percent	Percent
02/01/24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	14
06:00	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	6	22	24
07:00	4	5	9	3	0	0	0	0	0	0	0	0	0	0	0	21	24	28
08:00	5	5	2	2	0	0	0	0	0	0	0	0	0	0	0	21	24	27
09:00	1	11	8	2	0	0	0	0	0	0	0	0	0	0	0	22	24	27
10:00	0	6	4	1	0	0	0	0	0	0	0	0	0	0	0	11	24	27
11:00	0	4	14	0	0	0	0	0	0	0	0	0	0	0	0	18	24	24
12 PM	2	11	9	2	0	0	0	0	0	0	0	0	0	0	0	24	24	26
13:00	3	2	5	2	0	0	0	0	0	0	0	0	0	0	0	12	25	28
14:00	1	6	3	2	0	0	0	0	0	0	0	0	0	0	0	12	25	28
15:00	2	18	10	2	0	0	0	0	0	0	0	0	0	0	0	32	23	25
16:00	7	11	10	0	0	0	0	0	0	0	0	0	0	0	0	28	22	24
17:00	4	8	8	2	0	0	0	0	0	0	0	0	0	0	0	22	24	27
18:00	3	4	4	0	0	0	0	0	0	0	0	0	0	0	0	11	22	24
19:00	0	5	4	0	0	0	0	0	0	0	0	0	0	0	0	9	23	24
20:00	0	8	5	0	0	0	0	0	0	0	0	0	0	0	0	13	23	24
21:00	0	5	2	1	0	0	0	0	0	0	0	0	0	0	0	8	24	27
22:00	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	5	21	23
23:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	23	24
Total	36	117	108	19	0	0	0	0	0	0	0	0	0	0	0	280		
Percent	12.9%	41.8%	38.6%	6.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	11:00	07:00												09:00		
Vol.	5	11	14	3												22		
PM Peak	16:00	15:00	15:00	12:00												15:00		
Vol.	7	18	10	2												32		
Total	36	117	108	19	0	0	0	0	0	0	0	0	0	0	0	280		
Percent	12.9%	41.8%	38.6%	6.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
Stats																		
10 MPH Pace Speed : 16-25 MPH																		
Number in Pace : 225																		
Percent in Pace : 80.4%																		
Number of Vehicles > 20 MPH : 127																		
Percent of Vehicles > 20 MPH : 45.4%																		
Mean Speed(Average) : 19 MPH																		

[illegible]

Stats	10 MPH Pace Speed :	16-25 MPH
	Number in Pace :	481
	Percent in Pace :	86.2%
	Number of Vehicles > 55 MPH :	0
	Mean speed (Average) :	21 MPH

MCV Associates, Inc
4605-C Pinecrest Office Park Drive
Alexandria, VA 22312
Phone: 703-914-4850

Site Code: WO 1729
Station ID: SN:023587
Springfield Road
Near 5909 Springfield Road
Latitude: 0° 0.0000 Undefined

NB	Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85			
01/11/24	01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	14
	05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	07:00	1	1	3	0	0	0	0	0	0	0	0	0	0	0	5	23	24
	08:00	0	9	13	3	0	0	0	0	0	0	0	0	0	0	25	24	27
	09:00	4	15	21	1	0	0	0	0	0	0	0	0	0	0	41	23	24
	10:00	1	7	16	5	0	0	0	0	0	0	0	0	0	0	29	25	28
	11:00	0	5	16	5	0	0	0	0	0	0	0	0	0	0	26	26	28
	12:00	1	14	25	3	0	0	0	0	0	0	0	0	0	0	43	24	26
	13:00	0	10	25	5	0	0	0	0	0	0	0	0	0	0	40	24	28
	14:00	4	9	10	2	0	0	0	0	0	0	0	0	0	0	25	24	26
	15:00	3	8	16	4	0	0	0	0	0	0	0	0	0	0	31	24	28
	16:00	1	18	24	4	1	0	0	0	0	0	0	0	0	0	48	24	28
	17:00	2	18	24	2	0	0	0	0	0	0	0	0	0	0	46	23	24
	18:00	3	21	20	0	0	0	0	0	0	0	0	0	0	0	44	23	24
	19:00	0	16	32	2	0	0	0	0	0	0	0	0	0	0	50	24	24
	20:00	2	17	12	3	0	0	0	0	0	0	0	0	0	0	34	24	27
	21:00	0	5	7	0	0	0	0	0	0	0	0	0	0	0	12	23	24
	22:00	0	8	5	0	0	0	0	0	0	0	0	0	0	0	13	23	24
	23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24
	Total	23	182	271	40	1	0	0	0	0	0	0	0	0	0	2	28	29
	Percent	4.4%	35.2%	52.4%	7.7%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	517		
AM		08:00	08:00	11:00	09:00													
Peak		Vol.	4	15	25	5												
PM		13:00	17:00	18:00	12:00	15:00												
Peak		Vol.	4	21	32	5	1											
Total		23	182	271	40	1	0	0	0	0	0	0	0	0	0	50		
Percent		4.4%	35.2%	52.4%	7.7%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	517		
15th Percentile :																		
50th Percentile :																		
85th Percentile :																		
95th Percentile :																		

Stats

10 MPH Pace Speed : 16-25 MPH
Number in Pace : 453
Percent in Pace : 87.6%
Number of Vehicles > 55 MPH : 0
Mean speed (Average): 21 MPH

MCV Associates, Inc
4605-C Pinecrest Office Park Drive
Alexandria, VA 22312
Phone: 703-914-4850

Site Code: WO 1729
Station ID: SN:023587
Springfield Road
Near 5909 Springfield Road
Latitude: 0° 0.0000 Undefined

SB	Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
		15	20	25	30	35	40	45	50	55	60	65	70	75	999			
	01/11/24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19
	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19
	05:00	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5	21	23
	06:00	1	10	4	0	0	0	0	0	0	0	0	0	0	0	15	22	24
	07:00	10	46	12	0	1	0	0	0	0	0	0	0	0	0	69	21	23
	08:00	12	62	26	0	0	0	0	0	0	0	0	0	0	0	100	22	24
	09:00	8	45	18	0	0	0	0	0	0	0	0	0	0	0	71	22	24
	10:00	2	18	14	3	0	0	0	0	0	0	0	0	0	0	37	24	26
	11:00	6	22	14	3	0	0	0	0	0	0	0	0	0	0	45	23	26
	12 PM	6	25	10	2	0	0	0	0	0	0	0	0	0	0	43	22	24
	13:00	3	21	18	1	0	0	0	0	0	0	0	0	0	0	43	23	24
	14:00	10	22	13	2	0	0	0	0	0	0	0	0	0	0	47	23	24
	15:00	22	71	16	1	0	0	0	0	0	0	0	0	0	0	110	20	23
	16:00	17	49	18	1	0	0	0	0	0	0	0	0	0	0	85	21	24
	17:00	13	51	10	1	0	0	0	0	0	0	0	0	0	0	75	19	23
	18:00	4	29	11	1	0	0	0	0	0	0	0	0	0	0	45	22	24
	19:00	6	11	9	2	0	0	0	0	0	0	0	0	0	0	28	23	26
	20:00	2	9	5	1	0	0	0	0	0	0	0	0	0	0	17	23	25
	21:00	1	3	1	0	0	0	0	0	0	0	0	0	0	0	5	21	23
	22:00	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5	19	19
	23:00	1	1	0	0	0	0	1	0	0	0	0	0	0	0	3	42	44
	Total	124	506	200	18	1	0	1	0	0	0	0	0	0	0	850		
	Percent	14.6%	59.5%	23.5%	2.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
	AM																	
	Peak	08:00	08:00	08:00	10:00	07:00										08:00		
	Vol.	12	62	26	3	1										100		
	PM																	
	Peak	15:00	15:00	13:00	12:00			23:00								15:00		
	Vol.	22	71	18	2			1								110		
	Total	124	506	200	18	1	0	1	0	0	0	0	0	0	0	850		
	Percent	14.6%	59.5%	23.5%	2.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

Stats	10 MPH Pace Speed :	16-25 MPH
	Number in Pace :	706
	Percent in Pace :	83.1%
	Number of Vehicles > 55 MPH :	0
	Mean speed (Average):	18 MPH

CS

[illegible]

Stats	10 MPH Pace Speed :	16-25 MPH
Number in Pace :	100	
Percent in Pace :	69.9%	
Number of Vehicles > 55 MPH :	0	
Mean speed (Average):	21 MPH	

MCV Associates, Inc
4605-C Pinecrest Office Park Drive
Alexandria, VA 22312
Phone: 703-914-4850

Site Code: WO 1735
Station ID: SN:023587
Westbard Avenue
Bet 5516 and 5518 Westbard Ave
Latitude: 0' 0.0000 Undefined

SB	Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th	95th		
		15	20	25	30	35	40	45	50	55	60	65	70	75	999		Percent	Percent		
	01/11/24	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24		
	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	14		
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	29	29		
	06:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3	28	29		
	07:00	4	3	0	0	0	0	0	0	0	0	0	0	0	0	7	18	19		
	08:00	0	3	1	1	0	0	0	0	0	0	0	0	0	0	5	26	28		
	09:00	4	8	5	2	0	0	0	0	0	0	0	0	0	0	19	24	27		
	10:00	5	4	0	0	0	0	0	0	0	0	0	0	0	0	9	18	19		
	11:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	27	29		
	12 PM	3	2	3	0	0	0	0	0	0	0	0	0	0	0	8	23	24		
	13:00	4	3	2	2	0	0	0	0	0	0	0	0	0	0	11	25	28		
	14:00	1	1	5	0	0	0	0	0	0	0	0	0	0	0	7	23	24		
	15:00	2	5	8	1	0	0	0	0	0	0	0	0	0	0	16	24	25		
	16:00	3	5	3	0	0	0	0	0	0	0	0	0	0	0	11	22	24		
	17:00	2	5	7	0	0	0	0	0	0	0	0	0	0	0	14	23	24		
	18:00	0	4	4	2	0	0	0	0	0	0	0	0	0	0	10	26	28		
	19:00	1	3	1	0	0	0	0	0	0	0	0	0	0	0	5	21	23		
	20:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	19	19		
	21:00	1	0	1	1	1	0	0	0	0	0	0	0	0	0	4	32	34		
	22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24		
	23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24		
	Total	31	50	46	13	1	0	0	0	0	0	0	0	0	0	141				
	Percent	22.0%	35.5%	32.6%	9.2%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%					
	AM	10:00	09:00	09:00	06:00														09:00	
	Peak Vol.	5	8	5	2														19	
	PM	13:00	15:00	15:00	13:00	21:00													15:00	
	Peak Vol.	4	5	8	2	1													16	
	Total	31	50	46	13	1	0	0	0	0	0	0	0	0	0	0	141			
	Percent	22.0%	35.5%	32.6%	9.2%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				