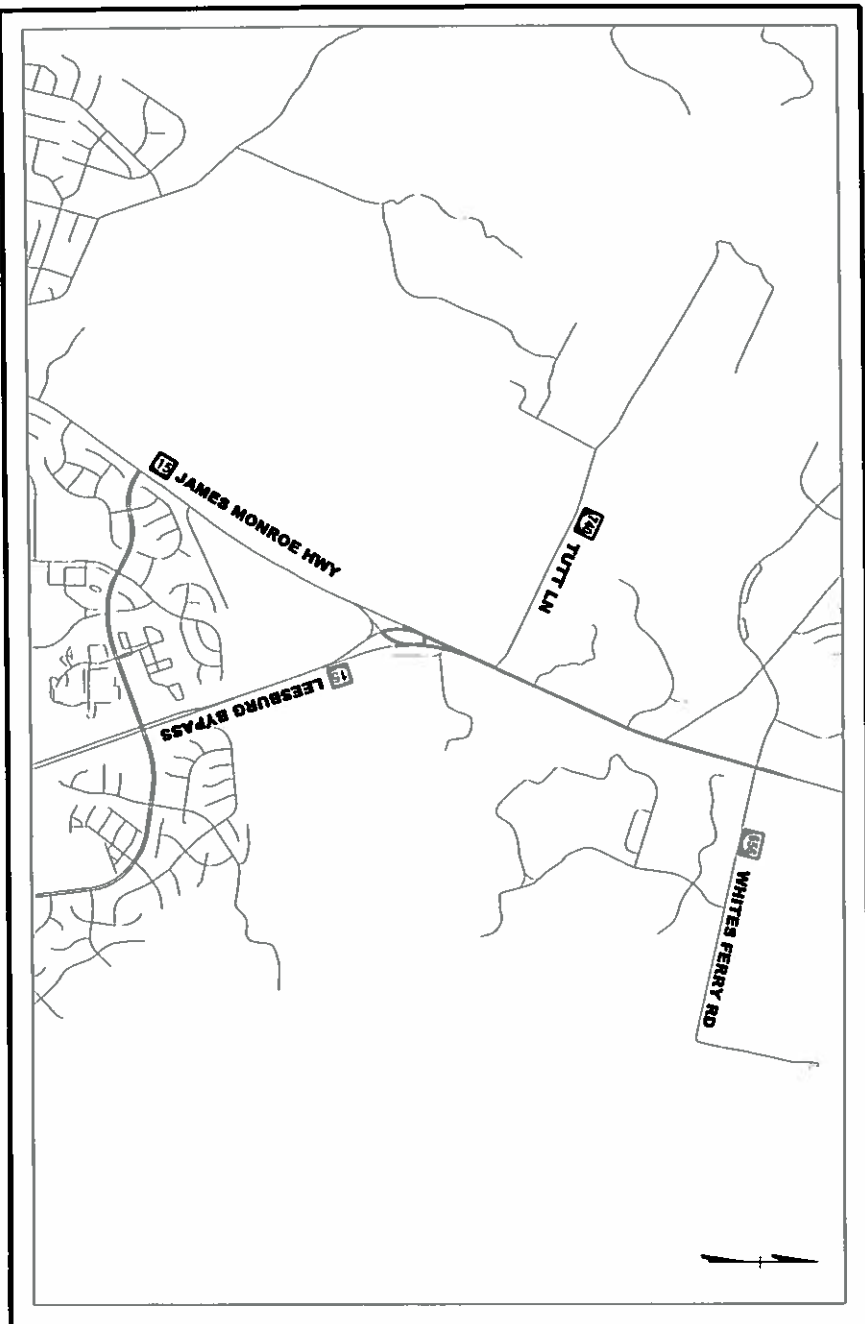




ROADWAY/LOCATION	FUNCTIONAL CLASSIFICATION	2018 AADT	%T	V MPH
US RT. 15 BYPASS AT US RT. 15 BUSINESS	URBAN PRINCIPAL ARTERIAL (OS-5)	25000	4%	45

US RT. 15 BYPASS AT US RT. 15 BUSINESS SIGNING AND MARKING IMPROVEMENT PLAN LOUDOUN COUNTY, VA



PROJECT LOCATION MAP
SCALE: 1" = 1500'

SHEET INDEX

SHEET NUMBER	SHEET DESCRIPTION
1	COVER
2	GENERAL NOTES
2A	SIGN SCHEDULE
3	SIGNING AND MARKING PLAN
4	SIGNING AND MARKING PLAN
5	SIGNING AND MARKING PLAN

Virginia Department of Transportation
Review of Working Drawings

Working drawings have been reviewed in accordance with Section 105.10 of the 2007 VDOT Road & Bridge Specifications with comments as follows:

Review Completed
 Correct and Resubmit
 Rejected - See Remarks
 Reviewed by: *Ann Shepherd* Date: *8/10/18*
Approved

PROJECT OWNER & CONSULTANT

CLIENT / OWNER
COUNTY OF LOUDOUN
DTCI
101 BLUE SEAL DR. SUITE 102
LEESBURG, VA 20177
PHONE: 703-737-8624

CIVIL ENGINEER
ATCS
2553 DULLES VIEW DRIVE
SUITE 300
HERNDON, VA 20171
PHONE: 703-430-7500
FAX: 703-430-0889

MANAGER: WARREN HUGHES, P.E.
DESIGN BY: ATCS CHECK BY: WC/H
DRAWN BY: JD CHECK BY: WC/H
SURV. CHECK: N/A
DATE: 02/27/2018
SCALE:



Warren E. Hughes



**SIGNING AND MARKING IMPROVEMENT PLAN
US RT. 15 BYPASS AT
US RT. 15 BUSINESS
SIGNING AND MARKING IMPROVEMENT**
PREPARED FOR
TRANSPORTATION AND CAPITAL INFRASTRUCTURE
CATOCTIN / LEESBURG DISTRICT LOUDOUN COUNTY / VIRGINIA



SHEET
1

SHEET NO. 1 OF 5

GENERAL NOTES

SIGNING AND PAVEMENT MARKING NOTES

01. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF:
 - a. THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
 - b. THE VIRGINIA SUPPLEMENT TO THE MUTCD
 - c. THE VDOT ROAD AND BRIDGE SPECIFICATIONS
 - d. THE VDOT ROAD AND BRIDGE STANDARDS AND ALL SPECIAL PROVISIONS IN EFFECT WHEN THE SIGN AND MARKING PLAN IS APPROVED
02. ANY EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE COMPLETELY ERADICATED
03. LIMITS SHOWN ON PROPOSED MARKINGS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO ENSURE THAT PROPOSED PAVEMENT MARKINGS CONTINUE UNTIL EXISTING PAVEMENT MARKING CAN BE MATCHED
04. ARROWS SHALL BE IN ACCORDANCE WITH THE FEDERAL MUTCD
05. LIMITS SHOWN ON PROPOSED PAVEMENT MARKINGS ARE APPROXIMATE ONLY AND SHALL BE MODIFIED IN THE FIELD AT THE DIRECTION OF THE ENGINEER TO ENSURE THAT PROPOSED PAVEMENT MARKINGS CONTINUE UNTIL EXISTING MARKINGS CAN BE MATCHED
06. THE CONTRACTOR SHALL RESTORE ANY PAVEMENT MARKINGS DAMAGED DURING CONSTRUCTION
07. SIGNS THAT ARE NOT IN REUSABLE CONDITION AS DETERMINED BY THE ENGINEER SHALL BE REPLACED
08. UNLESS OTHERWISE APPROVED BY THE ENGINEER, EXISTING TRAFFIC SIGNS WHICH ARE TO BE RELOCATED SHALL REMAIN IN PLACE UNTIL THE NEW SIGN STRUCTURE IS IN PLACE
09. ALL EXISTING AND PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. ALL PROPOSED SIGN LOCATIONS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

SHEET NO. 2 OF	SIGNING AND MARKING IMPROVEMENT PLAN US RT. 15 BYPASS AT US RT. 15 BUSINESS SIGNING AND MARKING IMPROVEMENT PREPARED FOR TRANSPORTATION AND CAPITAL INFRASTRUCTURE CATOCTIN / LEESBURG DISTRICT LOUDOUN COUNTY / VIRGINIA	 2000 BARKLE VOTE DRIVE, SUITE 200 HERRINGTON, VA 20179 703-436-7200 FAX 703-436-0800 http://www.atcspl.com	NUMBER: WARREN HUGHES, P.L. DESIGN BY: JCS CHECK BY: M/W DRAWN BY: JD CHECK BY: M/W SURV CHECK: N/A DATE: 02/21/2018 SCALE:	 Warren L. Hughes Professional Engineer No. 016127 State of Virginia	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Rev. No.</th> <th style="width: 70%;">Sheet Number and Revision Description</th> <th style="width: 20%;">Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Rev. No.	Sheet Number and Revision Description	Date									
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SIGN SCHEDULE

TEXT NO.	SIGN ASSEMBLY NOS.	TEXT	SIGN ASSEMBLY COMPONENTS			SIGN PANEL AREA (S.F.)			REMARKS
			MUTCD STD.	PANEL SIZE		QTY.	BY ASSEMBLY	ALL ASSEMBLIES	
1	1		W4-3	36	36	2	9	18	MOUNT TO EXISTING GROUND MOUNTED SIGN POSTS
2	2		M4-5	24	12	1	2	2	
			M3-3	24	12	1	2	2	
			M4-3	24	12	1	2	2	
			M1-4	24	24	1	4	4	
			M6-2	24	15	1	21875	21875	
3	3	Little Spring Rd NEXT RIGHT	NONE	72	30	1	15	15	STP-1 2 1/2" - 12GA
4	4		R3-4	24	24	1	4	4	MOUNT TO EXISTING DO NOT ENTER SIGN FACING NB US 15 (SEE SHEET 4)
6	6,7,9,10,11	LEFT LANE MUST TURN LEFT ATTU LANE	R3-7	30	30	5	625	3125	STP-1 2 1/2" - 12GA

TEXT NO.	SIGN ASSEMBLY NOS.	TEXT	SIGN ASSEMBLY COMPONENTS			SIGN PANEL AREA (S.F.)			REMARKS
			MUTCD STD.	PANEL SIZE		QTY.	BY ASSEMBLY	ALL ASSEMBLIES	
7	8	Little Spring Rd NEXT LEFT	NONE	72	30	1	15	15	MOUNT TO EXISTING WRONG WAY SIGN FACING SB US 15 (SEE SHEET 4)
8	9		OM3-L	12	36	1	3	3	STP-1 2 1/2" - 12GA
9	10		W4-3	36	36	2	9	18	
10	12	Leesburg Historic District KEEP RIGHT	NONE	96	48	1	32	32	MOUNT TO EXISTING GROUND MOUNTED SIGN POSTS
11	13		D9-2	24	24	1	4	4	MOUNT ON TOP OF SIGN 12 (SEE SHEET 5)
12	14		NONE	180	102	1	127.5	127.5	MOUNT TO EXISTING GROUND MOUNTED SIGN POSTS

NOTES:

- 1) ALL SIGNS SHALL BE ORIENTATED AS SHOWN ON THE PLANS.
- 2) SIGN COLOR COMBINATIONS SHALL BE IN ACCORDANCE WITH THE FHWA SHS BOOK AND THE 2011 VIRGINIA SHS BOOK OR AS NOTED IN THE PLANS.
- 3) ALL POSITIVE CONTRAST GUIDE AND SPECIFIC SERVICE SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-3 OR L-4 UNLESS OTHERWISE NOTED IN THE REMARKS. ALL OTHER SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-1 OR L-2 UNLESS OTHERWISE NOTED IN THE REMARKS.

- 4) ALL BLACK SHEETING SHALL BE NON-REFLECTIVE.
- 5) SIGN STRUCTURES SHALL BE INSTALLED PER THE NOTED SIGN STD.
- 6) ALL STD/STP-1 STRUCTURES TO BE SINGLE POST UNLESS OTHERWISE NOTED.
- 7) IF APPLICABLE, SEE SHEET 20 FOR NON-STANDARD TYPE VA AND VIA SIGN STRUCTURE DETAILS.

* SPECIAL ORDER

TRAFFIC CONTROL DEVICE PLANS
SIGNING AND PAVEMENT MARKINGS
SIGN SCHEDULE



SHEET NO. **2A** OF _____

SIGNING AND MARKING IMPROVEMENT PLAN
US RT. 15 BYPASS AT
US RT. 15 BUSINESS
SIGNING AND MARKING IMPROVEMENT
PREPARED FOR
TRANSPORTATION AND CAPITAL INFRASTRUCTURE
CATOCTIN / LEESBURG DISTRICT LOUDOUN COUNTY / VIRGINIA



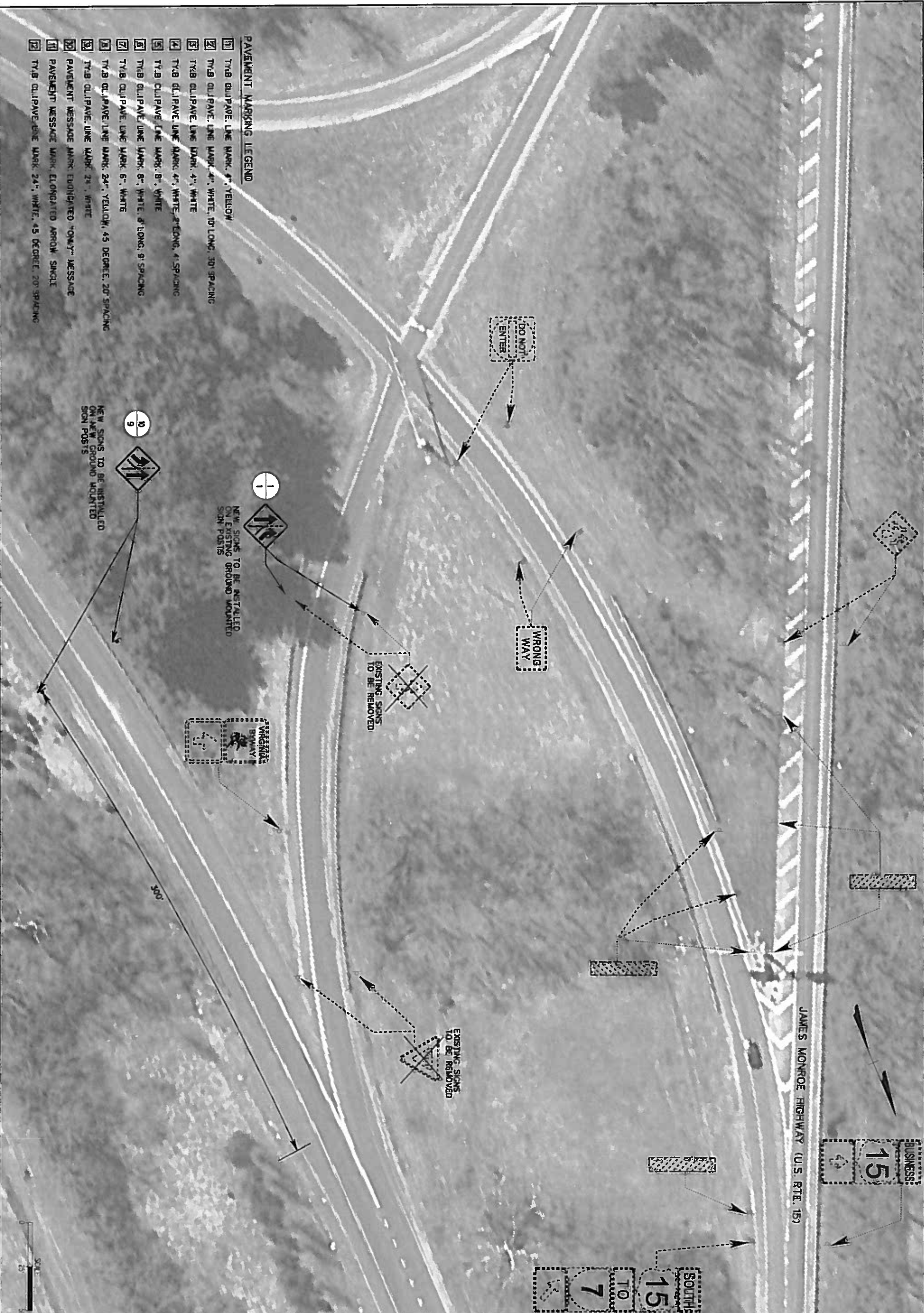
DESIGNED BY: WARREN HUGHES, P.E.
DRAWN BY: J.D. CHECKED BY: M.P./R.
DATE: 8/16/2018
SCALE: 1" = 25'



Warren E Hughes

Rev. No.	Revision Description	Date

- PAVEMENT MARKING LEGEND**
- 10 TYP CLIPPAVE. LINE MARK. 4", YELLOW
 - 1 TYP CLIPPAVE. LINE MARK. 4", WHITE, 10' LONG, 30" SPACING
 - 2 TYP CLIPPAVE. LINE MARK. 4", WHITE
 - 3 TYP CLIPPAVE. LINE MARK. 4", WHITE
 - 4 TYP CLIPPAVE. LINE MARK. 4", WHITE, 8' LONG, 4' SPACING
 - 5 TYP CLIPPAVE. LINE MARK. 4", WHITE, 8' LONG, 4' SPACING
 - 6 TYP CLIPPAVE. LINE MARK. 8", WHITE
 - 7 TYP CLIPPAVE. LINE MARK. 8", WHITE, 8' LONG, 9' SPACING
 - 8 TYP CLIPPAVE. LINE MARK. 8", WHITE, 8' LONG, 9' SPACING
 - 9 TYP CLIPPAVE. LINE MARK. 24", WHITE, 45 DEGREE, 20' SPACING
 - 10 PAVEMENT MESSAGE MARK. ELONGATED "ONLY" MESSAGE
 - 11 PAVEMENT MESSAGE MARK. ELONGATED ARROW, SINGLE
 - 12 TYP CLIPPAVE. LINE MARK. 24", WHITE, 45 DEGREE, 20' SPACING



SHEET NO. 3 OF

SIGNING AND MARKING IMPROVEMENT PLAN
US RT. 15 BYPASS AT
US RT. 15 BUSINESS
SIGNING AND MARKING IMPROVEMENT
 PREPARED FOR
TRANSPORTATION AND CAPITAL INFRASTRUCTURE
 CATOCTIN / LEESBURG DISTRICT LOUDOUN COUNTY / VIRGINIA

ATCS
 2000 SHILLER VIEW DRIVE, SUITE 200 FERRISBURG, VA 20101
 703-450-7300 FAX 703-450-0000
<http://www.atcspl.com>

MANAGER
 WARREN HUGHES, P.E.
 DESIGN BY: ATCS CHECK BY: M/W
 DRAWN BY: JI CHECK BY: M/W
 SURV. CHECK: N/A
 DATE: 6/10/2018
 SCALE: 1" = 25'

Warren Hughes
 PROFESSIONAL ENGINEER
 No. 0000000000
 State of Virginia

Rev No	Revision Description	Date





- PAVEMENT MARKING LEGEND**
- 1 TVB CLIPPAVE LINE MARK, 4", YELLOW
 - 2 TVB CLIPPAVE LINE MARK, 4", WHITE, 10' LONG, 30" SPACING
 - 3 TVB CLIPPAVE LINE MARK, 4", WHITE
 - 4 TVB CLIPPAVE LINE MARK, 4", WHITE, 2' LONG, 4" SPACING
 - 5 TVB CLIPPAVE LINE MARK, 8", WHITE
 - 6 TVB CLIPPAVE LINE MARK, 8", WHITE, 3' LONG, 9" SPACING
 - 7 TVB CLIPPAVE LINE MARK, 8", WHITE
 - 8 TVB CLIPPAVE LINE MARK, 24", YELLOW, 45 DEGREE, 20" SPACING
 - 9 TVB CLIPPAVE LINE MARK, 24", WHITE
 - 10 PAVEMENT MESSAGE MARK, ELONGATED "ONE-Y" MESSAGE
 - 11 PAVEMENT MESSAGE MARK, ELONGATED ARROW, SINGLE
 - 12 TVB CLIPPAVE LINE MARK, 24", WHITE, 45 DEGREE, 20" SPACING

NEW SIGNS TO BE INSTALLED ON NEW GROUND MOUNTED SIGN POST

LEFT LANE MUST TURN LEFT

AT RT LANE

LUGKETT'S POINT OF ROCKS MD 5
 10
 28

SHEET NO. OF	SIGNING AND MARKING IMPROVEMENT PLAN US RT. 15 BYPASS AT US RT. 15 BUSINESS SIGNING AND MARKING IMPROVEMENT PREPARED FOR TRANSPORTATION AND CAPITAL INFRASTRUCTURE CATOCTIN / LEESBURG DISTRICT LOUDOUN COUNTY / VIRGINIA	 3963 DOLLAR VIEW DRIVE, SUITE 200 MEMPHIS, VA 20111 703-438-7000 FAX 703-438-0000 http://www.atcs.com	MANAGER WARREN HUGHES, P.E. DESIGN BY: JES CHECKED BY: JH/WR DRAWN BY: JH CHECKED BY: JH/WR SURV. CHECK: N/A DATE: 8/10/2018 SCALE: 1" = 25'	 Warren E Hughes <small>Professional Engineer License No. 1016157 State of Virginia</small>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Rev. No.</th> <th>Revision Description</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Rev. No.	Revision Description	Date									
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