

ARUNDEL MILLS BLVD. IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

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NORTHBOUND MD 295

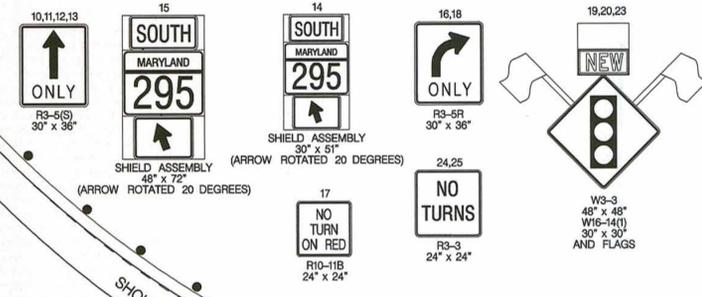
N.B. MD 295 OFF RAMP

MATCH LINE - SEE SHEET TS - 4840 G11

PROPOSED SIGNS

PROPOSED SIGNALS

NEMA PHASING



PHASING NOTES:  
 1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
 2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

**GENERAL NOTES**

1. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

GEOMETRIC LEGEND	
EXISTING	---
PROPOSED	---

UTILITY LEGEND	
AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

**CONSTRUCTION DETAILS**

A. INSTALL 27 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS)

B. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT./70 FT. MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS)

C. INSTALL 20 FT. BREAKAWAY PEDESTAL POLE WITH VIDEO DETECTION CAMERA (NOTE: INSTALL 1-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BEND)

D. INSTALL BASE MOUNTED CABINET (S-TYPE WITH BATTERY BACKUP) AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS)

E. INSTALL ELECTRICAL HANDHOLE

F. INSTALL 2 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED

G. INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED

H. INSTALL 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED

I. INSTALL 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - BORED

J. INSTALL METERED SERVICE PEDESTAL

K. PROPOSED UNDERGROUND ELECTRIC SERVICE

L. INSTALL 24 IN. SOLID WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE

M. INSTALL W3-3 SIGN APPROXIMATELY 400' IN ADVANCE OF THE STOPBAR ON TWO-4 IN. X 6 IN. WOOD SUPPORTS

N. CUT, CLEAN, GALVANIZE AND CAP MAST ARM

O. INSTALL 6 FT. X 22 FT. QUADRUPOLE TYPE (3-4-3) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING

P. INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC, FLEXIBLE CONDUIT - DETECTOR SLEEVE

**RED LINE REVISION NO. 1**  
 April 23, 2012  
 Install MD 295 off ramp queue detection  
 TEDD Approval: *[Signature]* 4-30-12

TRACKING NO. 11-AP-AA-024-XX

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION  
 ARUNDEL MILLS BLVD.  
 AND MD 295 RAMP (NORTH)  
 HANOVER, MARYLAND

**TRAFFIC CONCEPTS, INC.**  
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APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

TRAFFIC SIGNALIZATION PLAN			
SCALE	1" = 20'	DATE	3-22-12
CONTRACT NO.	BW996M82	COUNTY	ANNE ARUNDEL
DESIGNED BY	T. ZAYDEL	LOGMILE	02F71301.49
DRAWN BY	T. ZAYDEL	T.I.M.S. NO.	K-972
CHECKED BY	K. SCHMID	TOD NO.	
F.A.P. NO.	NA		
DRAWING NO.	TS - 4840	SHEET NO.	1 OF 3