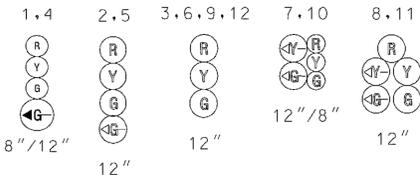


MD 162 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNALS



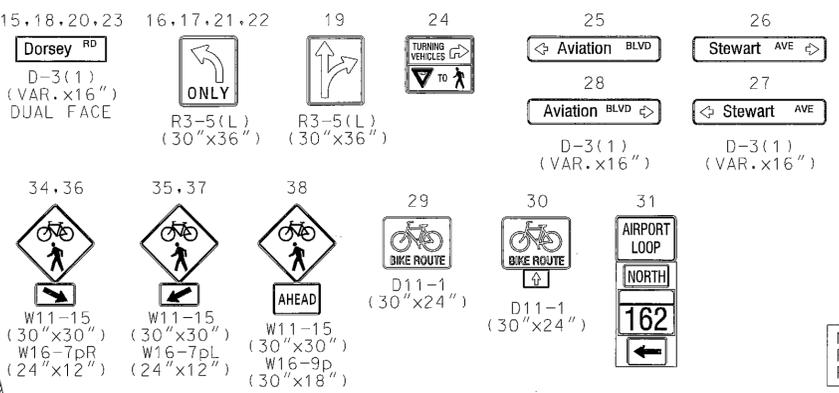
EXISTING SIGNAL HEADS TO BE REMOVED



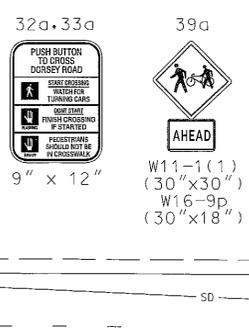
PROPOSED SIGNAL



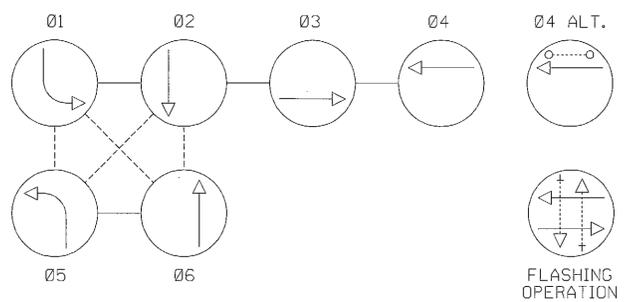
EXISTING SIGNS TO REMAIN



EXISTING SIGNS TO BE REMOVED

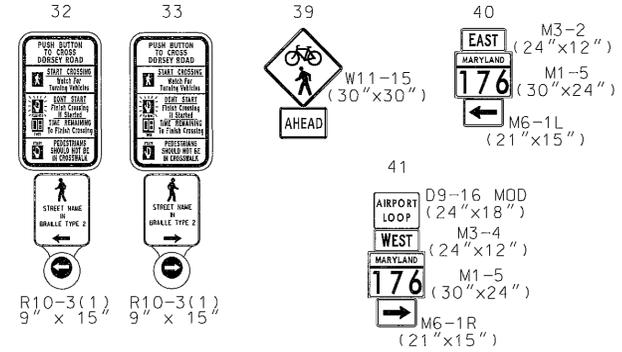


NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED SIGNS



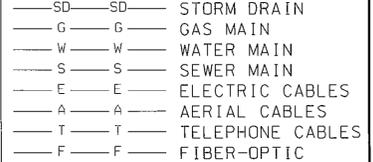
GENERAL NOTES

1. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
3. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
4. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" x 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
5. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
6. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E-2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

GEOMETRIC LEGEND



UTILITY LEGEND



TOD NO: XY139-03
SHA NO: AA189B53
MD 162, MD 170, MD 176 at Various Locations

WR&A
WHITMAN, REQUARDT & ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21231

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 176 (DORSEY ROAD) AT
MD 162 (AVIATION BOULEVARD) & STEWART AVENUE
(GLEN BURNIE, MD)

SIGNALIZATION PLAN SHEET

APPROVALS	REVISIONS	SCALE 1" = 20'	DATE 7/8/97	CONTRACT NO. BW 859-512
TEAM LEADER	J. INSTALL APS, CPS, AND ADA COMPLIANT CURB RAMP'S SHA NO. XY1395185 TMS L653 01/2012	DESIGNED BY LES TOWNSEND	COUNTY ANNE ARUNDEL	
ASST. DIV. CHIEF	H. RECONSTRUCT TRAFFIC SIGNAL TMS NO. E622 6/1/01	DRAWN BY LES TOWNSEND	LOGMILE 02016200.00	
DIVISION CHIEF	NML TH MAR DAZ BK [G] ASBUILT SHA NO. AA 893-505-572 6/12/98	CHECKED BY JOHN SPENCE	TMS NO.	
OFFICE DIRECTOR	RRZ	FAP. NO.	TOD NO.	
		TS NO. 102J	DRAWING TSP-7 OF 33	SHEET NO. 7 OF 33

- CONSTRUCTION DETAILS**
- A. USE EXISTING STEEL POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND ELECTRICAL CABLE, PUSHBUTTON AND ELECTRICAL CABLE, AND R10-4(1) SIGN. INSTALL NEW L.E.D. COUNTDOWN PEDESTRIAN SIGNAL HEAD. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.
 - B. USE EXISTING STEEL POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND ELECTRICAL CABLE, PUSHBUTTON, AND R10-4(1) SIGN. INSTALL NEW L.E.D. COUNTDOWN PEDESTRIAN SIGNAL HEAD AND AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS DORSEY ROAD"). DISCONNECT EXISTING PUSHBUTTON ELECTRICAL CABLE AND CONNECT ELECTRICAL CABLE TO NEW PUSHBUTTON. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.
 - C. USE EXISTING CONDUIT.
 - D. USE EXISTING HANDHOLE.
 - E. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT (2-WIRE CENTRAL CONTROL UNIT).
 - F. REMOVE EXISTING AND INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
 - G. REMOVE EXISTING MULTI-USE ASPHALT PATH AND INSTALL SIDEWALK RAMP (SEE SHEET TSP-8 FOR DETAILS) AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH STANDARD NO. MD 655.40
 - H. REMOVE EXISTING ASPHALT SIDEWALK AND INSTALL 5 IN. CONCRETE SIDEWALK.
 - J. INSTALL 5 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING. (3 FT. LINE WITH 3 FT. GAP)
 - K. INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS DORSEY ROAD"). (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
 - L. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - M. REMOVE EXISTING "HIKER/BIKER" W11-1(1) (30"x30") SIGN ONLY. EXISTING "AHEAD" W16-9p SIGN AND TUBULAR STEEL SIGN SUPPORT TO REMAIN. INSTALL PROPOSED "HIKER/BIKER" W11-15 (30"x30") SIGN ON EXISTING SIGN SUPPORT.
 - N. INSTALL PROPOSED SIGNS ON (1) 4"x6" TREATED WOOD SUPPORT (L=17') AS SHOWN.
 - O. INSTALL PROPOSED SIGNS ON (1) 4"x6" TREATED WOOD SUPPORT (L=19') AS SHOWN.

BY: bdonoway