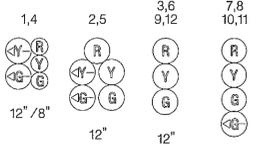


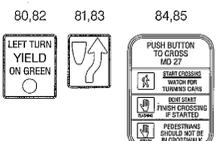
EXISTING LED SIGNALS TO REMAIN



EXISTING SIGNALS TO BE REMOVED



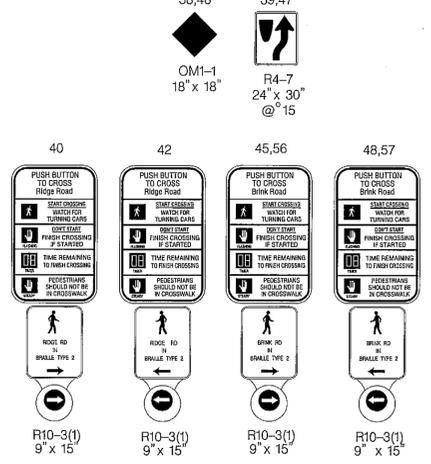
EXISTING SIGNALS TO BE REMOVED



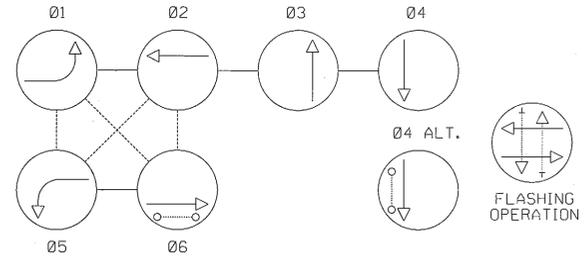
PROPOSED SIGNALS



PROPOSED SIGNS



NEMA PHASING

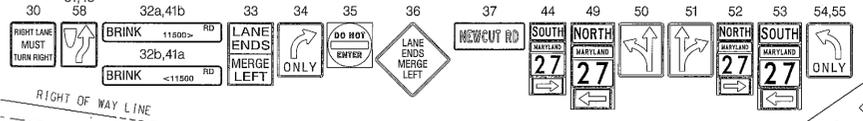


PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

MD 27 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

EXISTING VIDEO DETECTION
MONTGOMERY COUNTY SURVEILLANCE CAMERA

EXISTING SIGNS TO REMAIN



MD 27 SB (RIDGE ROAD)

MD 27 NB (RIDGE ROAD)

BRINK ROAD

CONSTRUCTION DETAILS:

- A. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL 10' PEDESTAL POLE (CUT TO 5') WITH BREAKAWAY COUPLINGS (MD 818.16-01), MODIFIED BASE, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
- C. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- D. INSTALL GROUND MOUNTED SIGN WITH ONE 4" x 4" WOOD POST.
- E. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- F. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
- G. USE EXISTING HANDHOLE
- H. USE EXISTING CONDUIT.
- J. USE EXISTING CABINET AND CONTROLLER. INSTALL 2-WIRE APS CENTRAL CONTROL UNIT INTO EXISTING CABINET.
- K. USE EXISTING SIGNAL POLE, SPAN WIRE, REMOVE PEDESTRIAN SIGNAL HEADS AND PUSHBUTTON. INSTALL NEW LED PEDESTRIAN SIGNAL HEAD.
- L. USE EXISTING SIGNAL POLE, SPAN WIRE, ATTACHED SIGNS AND REMOVE PEDESTRIAN SIGNAL HEAD.
- M. USE EXISTING SIGNAL POLE, SPAN WIRE, ATTACHED SIGNS, INSTALL NEW LED PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON AND SIGN.
- N. REMOVE EXISTING PEDESTAL POLE AND ALL ATTACHED EQUIPMENT.
- P. REMOVE EXISTING GROUND MOUNTED SIGN AND POST.
- Q. REMOVE EXISTING SIGNAL FOUNDATION.
- R. REMOVE EXISTING PAVEMENT MARKING.
- S. CAP AND ABANDON EXISTING CONDUIT.

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. 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 818.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
7. THE CONTRACTOR SHALL DELIVER APS PUSHBUTTON AND CENTRAL CONTROL UNIT TO MR. ROBERT RICKETTS AT THE MONTGOMERY COUNTY TECHNICAL CENTER AT 1283 SEVEN LOCKS RD ROCKVILLE, MD 20854 AT LEAST 3 WEEKS PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL HAVE APS MESSAGES PROGRAMMED FROM THE FACTORY AND DELIVER THE APS WAY FILES TO MR. ROBERT RICKETTS.
8. THE CONTRACTOR SHALL CONTACT MR. ROBERT RICKETTS AT (301) 279-1291 TO DELIVER APS EQUIPMENT FOR TESTING.
9. THE CONTRACTOR SHALL WORK ONE QUADRANT AT A TIME AND MAINTAIN PEDESTRIAN ACCESSIBILITY TO ALL OTHER QUADRANTS.

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED

UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC CABLES

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APPROVALS	REVISIONS
<p>TEAM LEADER</p> <p>ASST. DIR. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>03/13 T1MS-L711 SHA NO. XY1515185 INSTALL APS/CPS</p> <p>DM 10-22-02 RECONSTRUCTION DUE TO WIDENING SHA NO. BW956MB2</p> <p>MH TZ</p> <p>B DECEMBER 23, 1993 REBUILT DUE TO WIDENING OF MD 27 SHA NO. BW-634-822-312 M.A.M.</p>

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 27 (RIDGE ROAD) AT
BRINK ROAD
GERMANTOWN, MD

SIGNALIZATION PLAN SHEET			
SCALE 1" = 20'	ADVERTISED DATE 9-9-86	CONTRACT NO. M-563-509-385	
DESIGNED BY	COUNTY	MONTGOMERY	
DRAWN BY JOHN GREEZICKI	LOGMILE	15002700.54	
CHECKED BY DENNIS DODA	TMS NO.		
F.A.P. NO.	TOD NO.		
TS NO. 2200-D	DRAWING SG-1	OF 2	SHEET NO. 1 OF 3

PLOTTED: Thursday, March 21, 2013 AT 11:10 AM
FILE: P:\09-002 TEDD\Task 108 MD 27 Signal\Drawings\CADD\Working\MD27@BAM\pSG-P001_M027@BAM.dgn