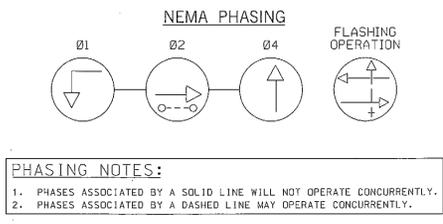


- EXISTING SIGNALS TO REMAIN**
 1, 2, 5, 6, 8, 9
 R
 Y
 G
 12"
- EXISTING SIGNALS TO BE REMOVED**
 3a, 10a, 11a
 R
 Y
 G
 12" OPTICALLY PROGRAMMED
- PROPOSED LED SIGNALS**
 7, 3, 4, 10, 11
 R
 Y
 G
 12" OPTICALLY PROGRAMMED
- PROPOSED SIGNS**
 12, 13, 25
 R10-3(1) (9"x15") W/ APS
 R10-3(1) (9"x15") W/ APS
 M3-1 (24"x12")
 M1-5 (24"x24")
 M6-1(R) (21"x15")
- EXISTING SIGNS TO REMAIN**
 15, 17, 29, 16/21, 18/20, 23, 24/30, 26/27, 28
 D-3(2) (72"x20")
 R3-5R (30"x36")
 D-3 (36"x8") DUAL FACED
 M3-3 (24"x12")
 M1-5 (24"x24")
 M6-2R (21"x15")
 D-3 (30"x8") DUAL FACED
 R3-5L (30"x36")



CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD 801.01-01), LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS INTERNATIONAL DRIVE") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- B. INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD 801.01-01), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS INTERNATIONAL DRIVE") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- C. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND ALL ASSOCIATED CABLE FROM STRAIN POLE.
- D. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD FROM STRAIN POLE. INSTALL LED TRAFFIC SIGNAL HEAD (POLE MOUNTED) AND LED COUNTDOWN PEDESTRIAN SIGNAL HEAD.
- E. REMOVE EXISTING TRAFFIC SIGNAL HEAD AND INSTALL OPTICALLY PROGRAMMED LED TRAFFIC SIGNAL HEAD (SPAN MOUNTED).
- F. INSTALL OPTICALLY PROGRAMMED LED TRAFFIC SIGNAL HEAD (SPAN MOUNTED).
- G. INSTALL VIDEO DETECTION CAMERA ON LIGHTING ARM.
- H. USE EXISTING BASE MOUNTED CABINET/CONTROLLER.
- J. USE EXISTING STRAIN POLE.
- K. USE EXISTING SPAN WIRE.
- L. INSTALL 2 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT-TRENCHED.
- M. INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT-TRENCHED.
- N. INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT-BORED.
- P. USE EXISTING CONDUIT.
- O. ABANDON EXISTING LOOP DETECTOR. REMOVE ALL ASSOCIATED LEAD-IN CABLE.
- R. INSTALL ELECTRICAL HANDHOLE.
- S. USE EXISTING ELECTRICAL HANDHOLE.
- T. INSTALL 12 IN. WHITE LEAD PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR CROSSWALK.
- U. INSTALL 24 IN. WHITE LEAD PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR STOPLINE.
- V. INSTALL 5 IN. YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR CENTER LINE.
- W. INSTALL MODIFIED SIDEWALK RAMP AND DETECTABLE WARNING SURFACE (STANDARD NO. MD-655.40). SEE GEOMETRIC DETAIL SHEET SG-02 FOR DETAILS.
- X. INSTALL 5 IN. CONCRETE SIDEWALK. SEE GEOMETRIC DETAIL SHEET SG-02 FOR DETAILS.
- Y. REMOVE EXISTING PAVEMENT MARKINGS.
- Z. INSTALL GROUND MOUNTED SIGN ON 1-4"x4" WOOD SUPPORT.

GENERAL NOTES

1. 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.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
3. ALL 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.
4. ALL EXISTING TRAFFIC EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO ANY SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS, PROPERLY LABEL EACH CABLE, AND REMOVE AND DISPOSE OF ALL UNUSED CABLE.
7. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SECTIONS 4E.08 AND 4E.10 AND FIGURES 4E-3 AND 4E-4 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.
8. 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%.
9. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
10. THE 10' MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
11. THE CONTRACTOR SHALL DELIVER APS PUSHBUTTONS AND THE CENTRAL CONTROL UNIT TO MR. ROBERT RICKETTS AT MONTGOMERY COUNTY TECHNICAL CENTER, 1283 SEVEN LOCKS ROAD, ROCKVILLE, MD 20854 AT LEAST 3 WEEKS PRIOR TO THE BEGINNING OF WORK. THE CONTRACTOR SHALL ALSO HAVE THE APS MESSAGES PROGRAMMED FROM THE FACTORY AND DELIVER THE APS WAV FILES TO MR. RICKETTS.
12. THE CONTRACTOR SHALL NOTIFY MR. KAMIL HAMUD AND MR. ROBERT RICKETTS 72 HOURS IN ADVANCE OF INTENDED WORK.
13. ALL CROSSWALKS SHALL BE CENTERED TO THE PROPOSED SIDEWALK RAMPS.
14. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
15. REFER TO GEOMETRIC DETAIL SHEET FOR CURB RAMP DETAILS.

GEOMETRIC LEGEND	
---	EXISTING
- - -	PROPOSED
UTILITY LEGEND	
---	STORM DRAIN
---	GAS MAIN
---	WATER MAIN
---	SEWER MAIN
---	ELECTRIC CABLES
---	AERIAL CABLES
---	TELEPHONE CABLES
---	FIBER-OPTIC

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION

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APPROVALS	REVISIONS
TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR	[REVISIONS TABLE]

TRAFFIC SIGNALIZATION PLAN			
SCALE 1"=20'	DATE	CONTRACT NO.	
DESIGNED BY	COUNTY	MONTGOMERY	
DRAWN BY	LOGMILE	15009708.42	
CHECKED BY	T.I.M.S. NO.		
F.A.P. NO.	T.O.D. NO.		
T.S. NO. 2147 A	SG-01 OF SG-03	SHEET NO. 1 OF 3	