



**REDLINE REVISION NO. 5**  
MD 175 AT DISNEY ROAD; REVISED POLE LOCATIONS IN THE NW QUADRANT

*[Signature]*  
LEAD TEAM LEADER APPROVAL

*[Signature]*  
DATE 11/28/13

- CONSTRUCTION DETAILS**
- A. REPOSITION SIGNAL HEADS ON MAST ARM TO ALIGN WITH FINAL MAINLINE LANE CONFIGURATION.
  - B. INSTALL OVERHEAD SIGNS AND VIDEO DETECTION CAMERAS ON MAST ARM.
  - C. INSTALL TRAFFIC SIGNAL HEADS ON MAST ARM.
  - D. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED.
  - E. INSTALL NON-INVASIVE PROBES WITHIN 3" SCHEDULE 80 RIGID PVC CONDUIT - BORED PRIOR TO FINAL ROAD SURFACE.
  - F. DURING CONSTRUCTION OF MEDIAN SET VIDEO DETECTION ZONE AS SHOWN.
  - G. INSTALL HANDHOLE.
  - H. REMOVE EXISTING OVERHEAD SIGN FROM MAST ARM.
  - J. EXISTING PEDESTRIAN SIGNAL AND PUSHBUTTON SHALL BE UNBAGGED.
  - K. INSTALL OVERHEAD SIGNS ON MAST ARM.
  - L. INSTALL 12" WHITE PERFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSWALK AND 24" WHITE PERFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOPLINE AT THE CONCLUSION OF SIGNAL RECONSTRUCTION AND ROADWAY OVERLAP. SEE ULTIMATE TRAFFIC SIGNAL PLAN (SG-03).

- GENERAL NOTES**
1. 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.
  2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, AND THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD STD. 816.03, MD STD. 818.01, MD 818.02, AND MD STD. 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.
  3. 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%.
  4. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE MCHRP 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 AND APPROVED BY THE DIRECTOR OF THE OFFICE OF TRAFFIC AND SAFETY.
  5. PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF THE SIDEWALK AND PEDESTRIAN RAMPS, AND THE INSTALLATION OF DETECTABLE WARNING SURFACES.
  6. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING UNUSED CABLES FROM EXISTING HANDHOLES AND CONDUITS UTILIZED FOR REVISION 'D'.
  7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND FOR PROPERLY LABELING EACH CABLE.
  8. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
  9. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
  10. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
  11. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLAN, OTHER THAN THOSE DETAILED ON THIS PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MD SHA STANDARDS.
  12. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
  13. THE CONTRACTOR IS RESPONSIBLE TO REWIRE ALL SIGNAL HEADS AT THEIR FINAL ULTIMATE LOCATION ALL EXTRA SLACK CABLE FOR HEAD SHIFTS SHALL BE REMOVED AND STANDARD DRIP LOOPS WILL REMAIN.

- MOT PHASE 5 NOTES**
1. SIGNAL-RELATED CONSTRUCTION IN THE PHASE WILL ENTAIL THE INSTALLATION OF SIGNAL HEAD AND SIGNS ON EXISTING MAST ARMS.
  2. SIGNAL HEADS, SIGNS, AND VIDEO DETECTION ALIGNMENT WILL MATCH THE TRAFFIC FLOW PATTERN FOR THIS PHASE OF CONSTRUCTION.
  3. WORK WILL ALSO INVOLVE INSTALLATION OF HANDHOLES AND SLOTTED CONDUIT IN THE ROADWAY FOR THE INSTALLING OF NON-INVASIVE PROBES.

**PHASE 5**

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 175 (ANNAPOLIS ROAD) AT  
26TH STREET/DISNEY ROAD  
FORT MEADE, MD

**MOT PHASE 5 - TRAFFIC SIGNAL PLAN**

SCALE 1" = 20' ADVERTISED DATE 4/26/1984 CONTRACT NO. AA 797-501-585

DESIGNED BY MICKEY CORNELIUS	COUNTY ANNE ARUNDEL
DRAWN BY MICKEY CORNELIUS	LOGMILE 02017507.10
CHECKED BY	TIMS NO.
F.A.P. NO. SEE TITLE SHEET	TOD NO.
TS NO. 1959D5	DRAWING SG-25.5 OF 26
	SHEET NO. 145 OF 195

**CENTURY ENGINEERING**  
CONSULTING ENGINEERS - PLANNERS  
10710 GILROY ROAD  
HUNT VALLEY, MD 21031  
REVISION 'D' 23299.36; 27257.35

APPROVALS	REVISIONS
TEAM LEADER	01 REDLINE NO. 5 1/2/2013
ASST. DIR. CHIEF	INSTALL NEW PEDESTAL POLE IN THE NW QUADRANT, RELOCATE SIGNAL POLE
DIVISION CHIEF	02 BRAC RECONSTRUCT TRAFFIC SIGNAL SHA # AA5805370 10/2010
OFFICE DIRECTOR	03 1/24/97
	ASBUILT SHA#: BW860802512
	RRZ