TOD NO: XY139-10
SHA NO: AA189B58
MD 173 @ Appian Way/MD 173 @ Duvall Hwy/Valley Rd/MD 177 @ Lake Shore Drive

APS NOTES

1. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60"x60" LEVEL LANDING AREA WITH A CROSS SLOPE LESS THAN OR EQUAL TO 2%.
2. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
3. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
4. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.08,4E.10 AND FIGURE 4E.3, 4E.4 AND THE NCHRP PUBLICATION, ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE. IF NOT MET THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATION UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

CONSTRUCTION DETAILS

A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE ON MODIFIED BASE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PUSH BUTTON AND SIGN. (NOTE: INSTALL 1-2" (SCHEDULE 80), 90 DEGREES CONDUIT BEND. SEE STD MD-801.01-01 FOR FOUNDATION DETAIL).
B. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE ON MODIFIED BASE WITH AUDIBLE/TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-2" (SCHEDULE 80), 90 DEGREES CONDUIT BEND. SEE STD MD-801.01-01 FOR FOUNDATION DETAIL).
C. USE EXISTING SIGNAL POLE. REMOVE EXISTING PEDESTRIAN SIGNAL, PUSH BUTTON AND SIGN. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD AND LED SIGNAL HEAD AS SHOWN ON PLAN.
D. USE EXISTING HANDHOLE.
E. USE EXISTING CONDUIT.
F. INSTALL 2 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
G. INSTALL 5 FT. x 5 FT CONCRETE SIDEWALK WITH DETECTABLE WARNING SURFACE (MD STD. 655.40).
H. REBUILD ISLAND.
J. INSTALL STANDARD MEDIAN CUT THROUGH (MD STD. 655.21) WITH DETECTABLE WARNING SURFACE (MD STD. 655.40).
K. INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES.
L. REMOVE EXISTING PAVEMENT MARKINGS.
M. USE EXISTING CABINET AND CONTROLLER.
N. REMOVE PEDESTAL POLE AND ALL ASSOCIATED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
P. USE EXISTING HANDHOLE. ADJUST HANDHOLE TO GRADE WITH NEW FRAME AND COVER.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA 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. ALL INTERNAL CABINET WIRING SHALL BE PERFORMED BY SHA FORCES.
5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND AND OVERHEAD 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 THE APPROPRIATE 800 SERIES STANDARD PLATES. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
7. THE CONTRACTOR SHALL MAINTAIN THE CONTINUOUS OPERATION OF ALL INTERCONNECT, VEHICULAR, PEDESTRIAN DETECTORS, AND LIGHTING DEVICES. IF ANY DEVICE IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPAIRED WITHIN 72 HOURS BY THE CONTRACTOR AT NO COST TO THE ADMINISTRATION AFTER NOTIFICATION BY THE ENGINEER.

GEOMETRIC LEGEND

- EXISTING
- PROPOSED

UTILITY LEGEND

- STORM DRAIN
- GAS MAIN
- WATER MAIN
- SEWER MAIN
- ELECTRIC CABLES
- AERIAL CABLES
- TELEPHONE CABLES
- FIBER-OPTIC

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APPROVALS: TEAM LEADER / ASST. DIV. CHIEF / DIVISION CHIEF / OFFICE DIRECTOR — ORIGINAL ON FILE

REVISIONS
Ⓔ APS/CPS UPGRADE
SHA NO. XY1395185 TIMS NO. L658 05/01/2013
KMP JPB WJN RDB MLP CJW
D UPGRADE FIRE STATION SIGNAL FOR SB MD 177 TIMS NO. H896 07/28/06
S.O.D.

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

MD 177(MOUNTAIN RD) at LAKE SHORE DR

LAKE SHORE, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' DATE ____ CONTRACT NO. ____

DESIGNED BY ____ COUNTY ANNE ARUNDEL
DRAWN BY W J NIES LOGMILE 02017706.13
CHECKED BY ____ TIMS NO. ____
F.A.P. NO. ____ TOD NO. ____

TS NO. 1807E DRAWING SG-01 OF 02 SHEET NO. 05 OF 06

PLOTTED: Monday, April 29, 2013 AT 05:21 PM
FILE: T:\173124A-TrafficDesignServices\TRF\104\plans\pSG-P001_M177@Lake.dgn

BORDER REV. DATE: June 1, 2004
DRILL HOLES
BY: kurgansky