

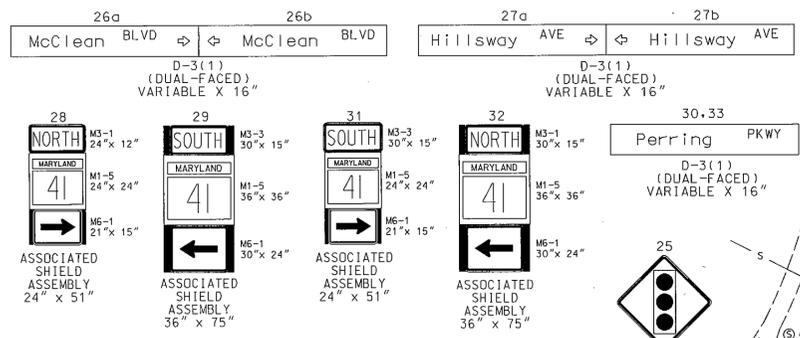
DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV: DATE: JUN 1, 2004

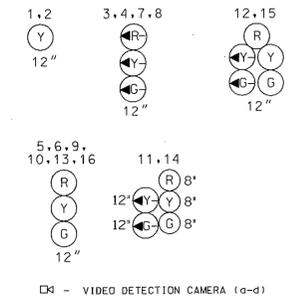
EXISTING SIGNS



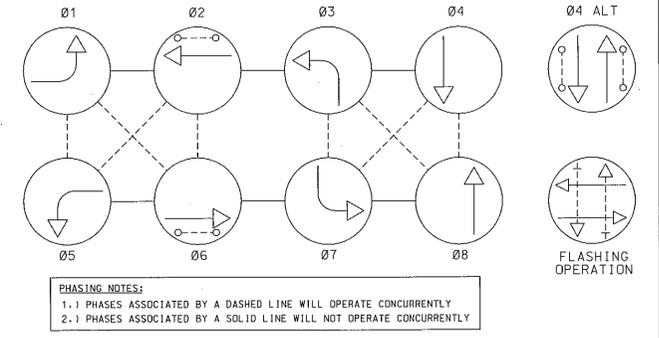
PROPOSED LED SIGNALS



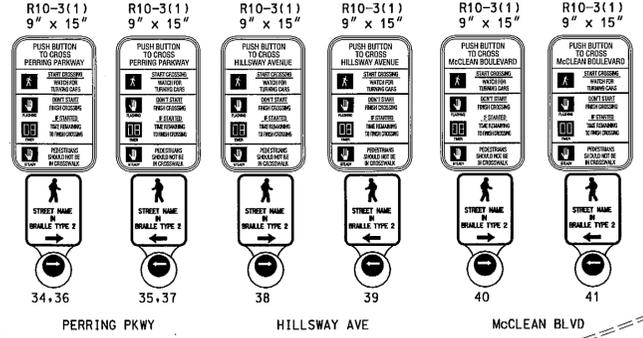
EXISTING SIGNALS



NEMA PHASING



PROPOSED SIGNS



CONSTRUCTION DETAILS

- A. Install 10' (18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with countdown pedestrian signal heads and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend).
- B. Install 5' (18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with APS pushbutton and pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend).
- C. Remove existing pedestrian signal heads with pushbutton from strain pole and install countdown pedestrian signal heads, APS pushbutton with pedestrian education sign as shown.
- D. Remove existing pedestrian signal heads from strain pole along with all associated pedestrian equipment as shown.
- E. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched). (Note: Contractor shall replace all sidewalk as a part of the installation of the proposed conduit.)
- F. Use existing handhole.
- G. Use existing conduit.
- H. Use existing span wire.
- J. Use existing cabinet and controller.
- K. Install handhole as shown.
- L. Install 2" polyvinyl chloride conduit (Schedule 80), remove existing 2" conduit and tie into existing 2" elbow from strain pole base as shown (trenched).
- M. Remove existing handhole. Cap and abandon existing conduit.
- N. Maintain existing overhead electrical service.

- GENERAL NOTES:
1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
  2. 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 816.03, MD 816.01, MD 816.02, and MD 816.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
  3. Poles are to be located so that they can be activated by a person in a wheelchair from a 60" x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
  4. If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.
  5. Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
  6. The 10" separation between pushbuttons is to be measured from face of pushbutton, not center to center of pole.
  7. Pushbutton arrows are to be parallel to the crossing for which they are intended.
  8. The contractor shall remove all unused wiring.

STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION

**MD 41 (PERRING PKWY) AND  
 MCCLEAN BLVD / HILLSWAY AVE**

PARKVILLE, MARYLAND

SCALE 1" = 20'		DATE 11-1-01	CONTRACT NO. BA766H52/B52
DESIGNED BY	COUNTY BALTIMORE		
DRAWN BY G COOK	LOGMILE 03004100.14		
CHECKED BY	TIMS NO. J529		
F.A.P. NO. B 238-476	TOD NO.		
TS NO. 849F	DRAWING NO. 1 OF 2	SHEET NO. OF	

REVISION "F"

STREET TRAFFIC STUDIES, LTD.  
 400 Crain Hwy., N.W.  
 Glen Burnie, MD 21061  
 PH (410) 590-5500  
 Fax (410) 590-6637

GEOMETRIC LEGEND

PROPOSED	---
EXISTING	---

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A-A
ELECTRIC	E-E
TELEPHONE	T-T
GAS	G-G
SEWER	S-S
WATER	W-W
CABLE TV	TV-TV

APPROVALS

TEAM LEADER

ASST. DIV.

DIVISION CHIEF

OFFICE DIRECTOR

REVISIONS

1	INSTALL APS AND OPS ON ALL LEGS OF THIS INTERSECTION	6-2-09
2	LED SIGNAL HEADS AND REPLACE	2-22-08
3	ADD NB H.I.B. AND INTERSECTION LIGHTING	9-01

TOD NO:XX448-35  
 SHA NO:BA838A55/B55  
 MD 41@ MCCLEAN BLVD/HILLSWAY AVE

6/17/2005 3:34:19 PM