DRILL HOLES

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BORDER REV: DATE: June 1, 2004

EXISTING SIGNS

28 TO MARYLAND 410 WEST

29 TO MARYLAND 410 EAST

32 EAST MARYLAND 410

49 WEST MARYLAND 450

50 EAST MARYLAND 450

51 WEST MARYLAND 450

NOTE: MD 450 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS (CONT.)

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS VETERAN'S PKWY — STREET NAME IN BRAILLE TYPE 2 — 45.46.47

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS VETERAN'S PKWY — STREET NAME IN BRAILLE TYPE 2 — 48

MD 410 (VETERAN'S PKWY)

EXISTING ROW

31.35 Veterans PKWY D3-1 (DUAL FACED) (variable x 16')

30.33.34. 37.39.40 ONLY R3-5L 30"x36"

36 RIGHT TURN SIGNAL

38 ONLY R3-5 30"x36"

INSET "B" SCALE 1"=20'

LOCATED 392' FROM PI OF ISLAND

50

ONLY ONLY

CONC. MEDIAN

MD 410 VETERAN'S PKWY

49

EXISTING EQUIPMENT

- ⊲ - EXISTING OPTICOM EYE
- ⊡ - EXISTING VIDEO DETECTION CAMERA (a-d)

PROPOSED SIGNS

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS ANNAPOLIS RD — STREET NAME IN BRAILLE TYPE 2 — 41.43

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS ANNAPOLIS RD — STREET NAME IN BRAILLE TYPE 2 — 42.44

ANNAPOLIS ROAD

PROPOSED SIGNALS

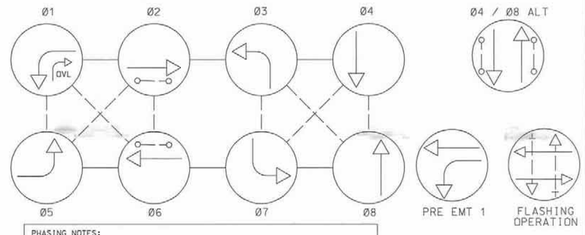
1.2.5-7.10. 13.14.16.17 — R Y G — 12"

3.4.8.9. 14.15.18.19 — R Y G — 12"

11.12 — 12"

20.21.22.23. 24.25.26.27 — LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

EXISTING ROW

THIS TRAFFIC SIGNAL IS INTERCONNECTED TO THE SIGNAL AT MD 450 AND MD 410. THE SHA TS NUMBER IS 3257.

SEE INSET "B"

SEE INSET "A"

SEE INSET "C"

INSET "A"

INSET "C" SCALE 1"=20'

MD 450 (ANNAPOLIS RD)

CONC. MEDIAN

S/W

EXISTING ROW

STOP HERE ON RED

GRASS MEDIAN

ONLY

LOCATED 773' FROM PI OF ISLAND

51

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 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
4. 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%.
5. The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.
6. Pushbutton arrows are to be parallel to the crossing for which they are intended.
7. Location of Accessible Pedestrian signal pushbuttons must meet location requirements Of MUTCD Sec. 4E.09 and Fig. 4E.2 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. The contractor shall remove all unused wiring.

CONSTRUCTION DETAILS

A. Remove existing traffic signal head and install proposed L.E.D. traffic signal head in same location.

[1] B. Use existing base mounted cabinet and controller. Install 4" PVC electrical conduit bend in existing cabinet foundation.

C. Install 5' breakaway pedestal pole and audible pushbutton with pedestrian education signs as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

D. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

E. Remove existing pedestrian signal heads, pushbutton and pedestrian education sign. Plug pushbutton hole. Install Countdown pedestrian signal heads as shown.

F. Remove existing traffic signal head, pedestrian signal heads, pushbutton and pedestrian education sign. Install traffic signal head, Countdown pedestrian signal heads, audible pushbutton and pedestrian education signs as shown.

G. Remove existing pedestrian signal heads, pushbutton and pedestrian education sign. Install Countdown pedestrian signal heads, audible pushbutton and pedestrian education signs as shown.

H. Remove existing handicapped ramp and install parallel handicapped ramp (Std No MD 655.12) with detectable warning surfaces (Std. No. MD 655.40) as shown.

J. Remove existing handicapped ramp, curb, sidewalk and detectable warning surfaces. Install depressed sidewalk with detectable warning surfaces (Std. No. MD 655.40) as shown

K. Install Standard type "A" curb.

L. Remove existing pavement marking and install 12" white heat applied, thermoplastic pavement marking (crosswalk)

M. Use existing handhole.

N. Use existing conduit.

O. Relocate existing video detector camera.

P. Remove all existing signal heads from mast arm and install LED signal heads onto mast arm as shown.

Q. Relocate existing overhead signs on existing mast arm as shown.

[1] R. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

[1] S. Install electrical handhole.

[1] T. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).

[1] REDLINE REVISION 01/15/2009

TEDD APPROVAL 1/15/2009

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—

REVISIONS "F"

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APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
JWA	
OFFICE DIRECTOR	

ORIGINAL ON FILE

(F) XX4455185 6/30/08 INSTALL COUNTDOWN PEDS W/ AUDIBLE PUSHBUTTONS

PLOTTED: THURSDAY, JANUARY 15, 2009 AT 01:04 PM
FILE: J:\DATA\H568\DRAWINGS\REDLINE NO. 1\5176.DGN

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 450 AND MD 410 EXTENDED

LANDOVER HILLS, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 2/20/89 CONTRACT NO.

DESIGNED BY JOHN GREEZICKI COUNTY PRINCE GEORGE'S
DRAWN BY RECBECCH SAGOS LOGMILE 16041006.53
CHECKED BY TIMS NO. H568
F.A.P. NO. TOD NO.

TS NO. 2279F | DRAWING NO. 1 OF 2 | SHEET NO. OF