

ENTRANCE TO BOWIE HIGH SCHOOL

APS NOTES:

1. PUSH BUTTONS 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%.
2. THE 10' SEPARATION BETWEEN PUSH BUTTONS IS TO BE MEASURED FROM FACE OF PUSH BUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
3. PUSH BUTTON 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.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 PUSH BUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
5. APS WILL FUNCTION AS FOLLOWS:

TO CROSS ANNAPOLIS RD AT BELAIR DR.

- A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS ANNAPOLIS AT BELAIR. WAIT."
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS ANNAPOLIS RD AT ENTRANCE TO BOWIE HIGH SCHOOL.

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"WAIT TO CROSS ANNAPOLIS AT SCHOOL ENTRANCE. WAIT."
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS ENTRANCE TO BOWIE HIGH SCHOOL AT ANNAPOLIS RD.

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GEOMETRIC CONSTRUCTION DETAILS:

- A. INSTALL PERPENDICULAR SIDEWALK RAMP (STANDARD NO. MD 655.11).
- B. INSTALL COMBINATION SIDEWALK RAMP (STANDARD NO. MD 655.13).
- C. INSTALL DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
- D. INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02).
- E. BEGIN 12% RAMP
- F. BEGIN 48" LEVEL LANDING AREA.
- G. TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT.
- H. TIE NEW CURB TO EXISTING CURB AT JOINT.
- J. REMOVE EXISTING RAMP, INSTALL NEW SIDEWALK AND TIE TO EXISTING SIDEWALK.
- K. REMOVE EXISTING SIDEWALK/BRICK AND BACKFILL WITH SEED AND MULCH.
- L. REMOVE EXISTING SIDEWALK RAMP AND USE EXISTING DECORATIVE BRICKS. REMOVE AND RESET DECORATIVE BRICKS AS NECESSARY.
- M. INSTALL CONCRETE FLARE AS SHOWN.

MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

TOD No: XX354-10
SHA No: PG01A55/K55
MD 450 @ Belair Drive/Entrance to Bowie High School

MD 450 WB (ANNAPOLIS RD)

MD 450 EB (ANNAPOLIS RD)

BELAIR DR

BY: xieoyu

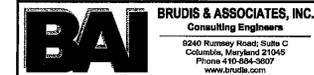
LEGEND SYMBOL

- ⊙ 48" SIGNAL POLE FOUNDATION
- ⊙ 36" SIGNAL POLE FOUNDATION
- ⊙ 24" PED POLE FOUNDATION
- ⊕ 18" PED POLE FOUNDATION W/SIGN AND PUSHBUTTON
- PED SIGN
- PED PUSHBUTTON
- SIGNAL CABINET W/PAD
- POWER PEDESTAL
- HANDHOLE

GEOMETRIC LEGEND

- EXISTING SIDEWALK/CURB JOINT
- NEW SIDEWALK AND ADA HANDICAP RAMP
- INSTALL/RESET BRICK
- SEED AND MULCH

NOTE:
SIDEWALK JOINTS ARE APPROXIMATELY LOCATED.



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

MD 450 AT BELAIR DR/ENTRANCE TO BOWIE HIGH SCHOOL
BOWIE, MD

GEOMETRIC PLAN SHEET

SCALE: 1"=10' DATE: 08/2010 CONTRACT NO.: XX3545168R

DESIGNED BY: XM COUNTY: PRINCE GEORGE'S
DRAWN BY: XM LOGMILE: 16045012.36
CHECKED BY: JS TIMS NO.: K259
F.A.P. NO.: TOD NO.:

TS NO. 89D DRAWING - OF SHEET NO. 2 OF 3