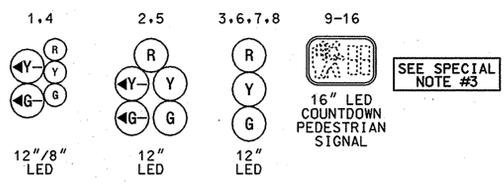
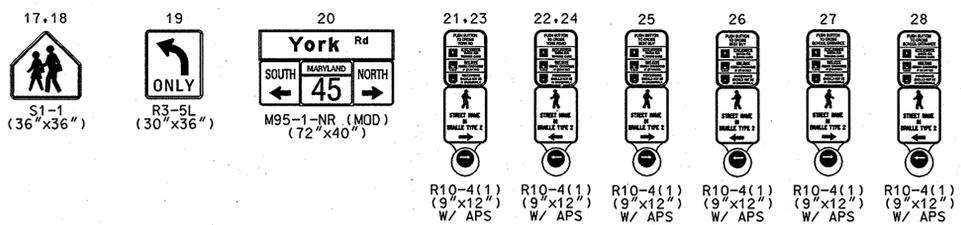


MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

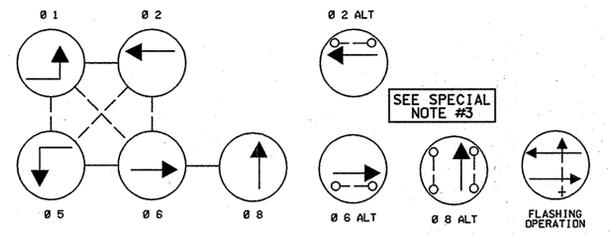
PROPOSED SIGNAL HEADS



PROPOSED SIGNS

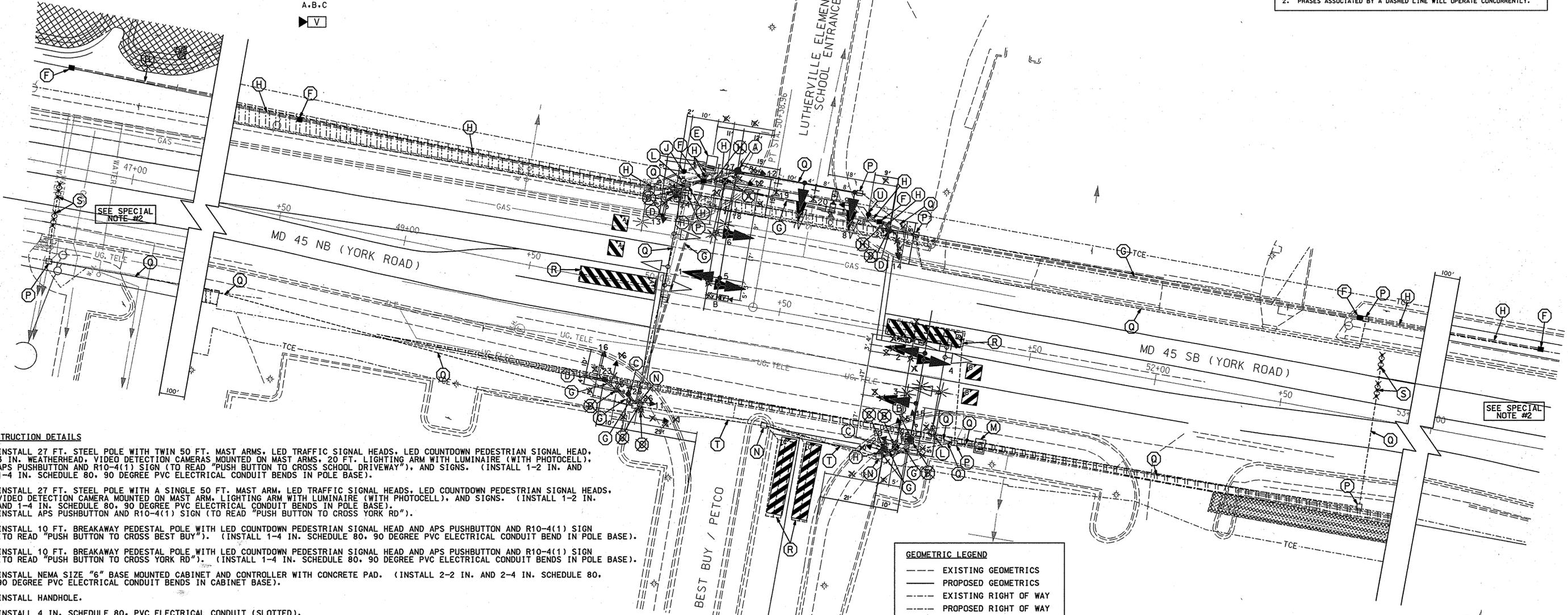


NEMA PHASING



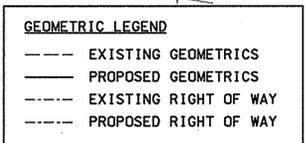
PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

PROPOSED VIDEO DETECTION CAMERAS



CONSTRUCTION DETAILS

- A. INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT. MAST ARMS, LED TRAFFIC SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, 3 IN. WEATHERHEAD, VIDEO DETECTION CAMERAS MOUNTED ON MAST ARMS, 20 FT. LIGHTING ARM WITH LUMINAIRE (WITH PHOTOCELL), APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS SCHOOL DRIVEWAY"), AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- B. INSTALL 27 FT. STEEL POLE WITH A SINGLE 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, LIGHTING ARM WITH LUMINAIRE (WITH PHOTOCELL), AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE). INSTALL APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS YORK RD").
- C. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD AND APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS BEST BUY"). (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- D. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD AND APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS YORK RD"). (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- E. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE).
- F. INSTALL HANDHOLE.
- G. INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT (SLOTTED).
- H. INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT (TRENCHED).
- J. PROPOSED UNDERGROUND ELECTRICAL SERVICE BY BGE FORCES. METERED PEDESTAL POLE INSTALLED BY CONTRACTOR.
- K. DISCONNECT EXISTING OVERHEAD ELECTRICAL SERVICE.
- L. REMOVE EXISTING SIGNAL POLE, MAST ARM, TRAFFIC SIGNAL HEADS, AND SIGNS. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- M. REMOVE EXISTING BASE MOUNTED CONTROLLER AND CABINET. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- N. USE EXISTING HANDHOLE.
- P. REMOVE EXISTING HANDHOLE.



GENERAL NOTES

- 1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- 2. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

SPECIAL NOTES

- 1. VIDEO DETECTION ZONES SHALL BE ADJUSTED THROUGHOUT CONSTRUCTION OF THE MD 45 WIDENING PROJECT (BA7065171). THE FINAL DETECTION ZONES FOR LEFT-TURNS WILL BE ESTABLISHED AT THE COMPLETION OF THE WIDENING PROJECT WHEN FINAL PAVEMENT MARKINGS ARE IN PLACE.
- 2. MICROLOOP PROBE SETS SHALL BE INSTALLED IN FINAL MD 45 TRAVEL LANE LOCATIONS IMMEDIATELY PRIOR TO THE FINAL MD 45 PAVEMENT OVERLAY (SEE FINAL SIGNAL PLAN).
- 3. COVER ALL PEDESTRIAN SIGNAL HEADS AND RESPECTIVE PUSHBUTTONS AND SIGNS UNTIL FINAL PAVEMENT MARKINGS ARE APPLIED.
- 4. EXISTING PAVEMENT MARKINGS ARE SHOWN. SEE FINAL SIGNING AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.
- 5. NEW INTERCONNECT SHALL BE INSTALLED DURING PHASE 1 PRIOR TO REMOVING EXISTING INTERCONNECT.

- Q. CAP AND ABANDON EXISTING CONDUIT.
- R. ABANDON EXISTING LOOP DETECTOR.
- S. REMOVE EXISTING MICROLOOP DETECTOR.
- T. USE EXISTING CONDUIT.
- U. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD AND APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS SCHOOL DRIVEWAY"). (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).

McCormick Taylor
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Since 1946
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GREENLINE REVISION NO. 1 PHASE 1

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MARYLAND 45 (YORK ROAD) WIDENING
CAVAN DRIVE TO RIDGELY ROAD

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

SIGNALIZATION PLAN - MD 45 at Lutherville Elementary School	
SCALE 1"=20'	DATE 3/6/98 CONTRACT NO. BA7065171
DESIGNED BY Jamie Storck	COUNTY BALTIMORE
DRAWN BY Jamie Storck	LOGMILE 03004504.22
CHECKED BY M.R.	T.I.M.S. NO.
F.A.P. NO. SEE TITLE SHEET	TOD NO.
DRAWING NO. SS-07 OF SS-25	SHEET NO. 75 OF 137