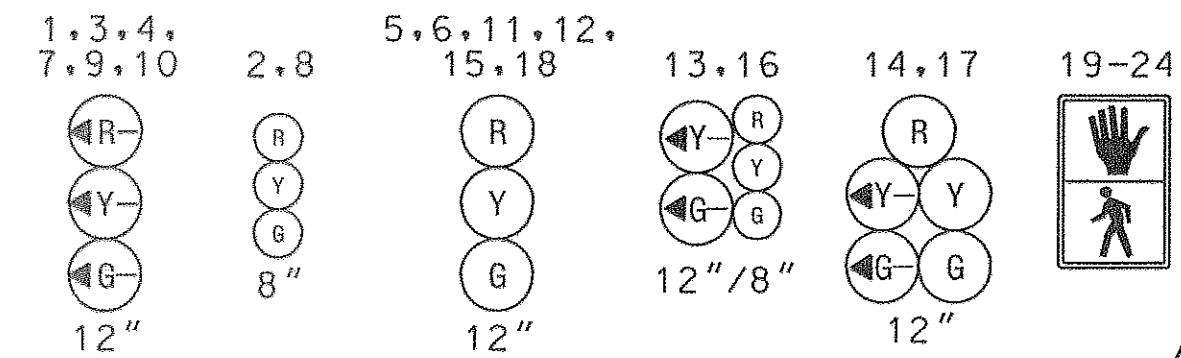


MD 97 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

SIGNAL HEADS



RIGHT-OF-WAY LINE

TETHER
FIBER OPTIC 21'-9"
SPAN 24'-6"
NEUTRAL 29'-2"
SECONDARY 30'-10"
PRIMARY OVER 36'

SEE SPECIAL
NOTE 2

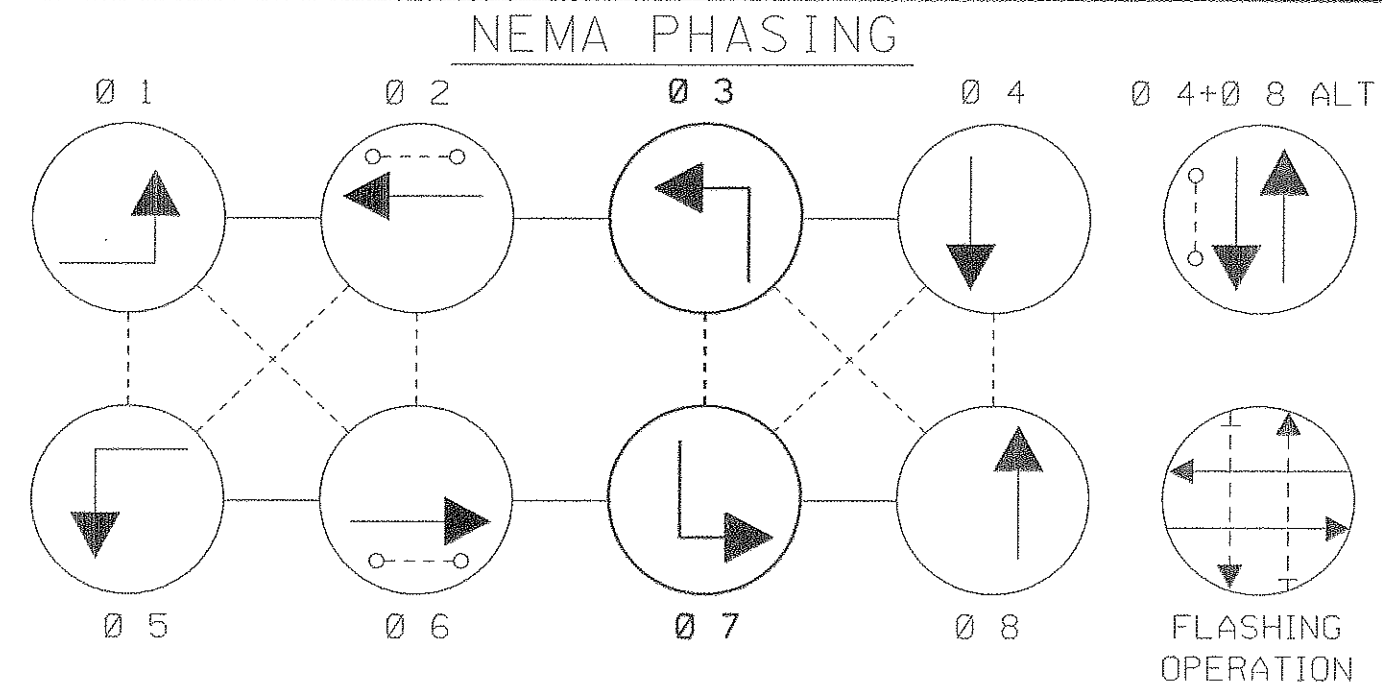
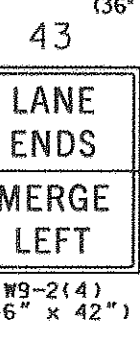
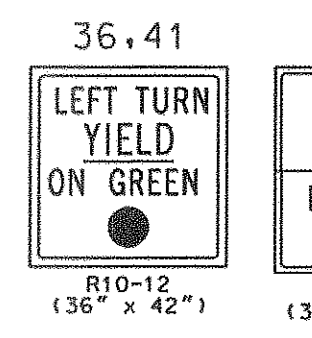
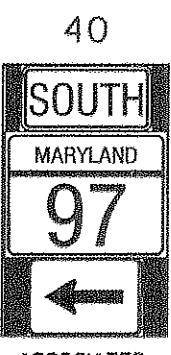
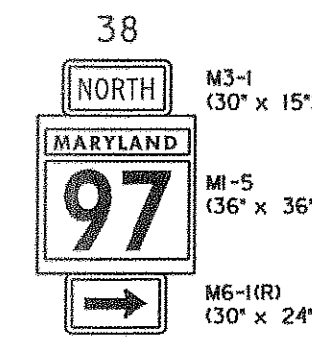
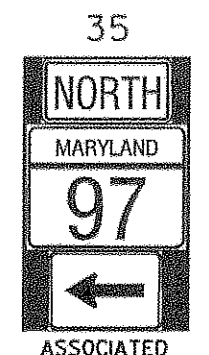
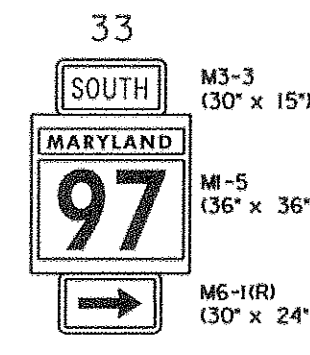
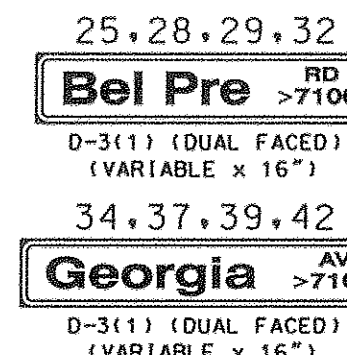
SEE SPECIAL
NOTE 1

FIBER
SECONDARY 30'-0"
NEUTRAL 31'-0"
PRIMARY OVER 36'

SEE SPECIAL
NOTE 1

SEE SPECIAL
NOTE 3

PROPOSED SIGNS



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

MD 97 (GEORGIA AVENUE)

MD 97 (GEORGIA AVENUE)

- CONSTRUCTION DETAILS**
- INSTALL 27 FT. STEEL POLE WITH 70 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEADS, 3 IN. WEATHERHEAD, VIDEO DETECTION CAMERA, PUSHBUTTON AND R10-4(1) SIGN AND 20 FT. STREET LIGHTING BRACKET WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE)
 - INSTALL 27 FT. (CUT TO 21 FT.) STEEL POLE WITH 50 FT. (CUT TO 45 FT.) MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA AND PEDESTRIAN SIGNAL HEAD. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE)
 - INSTALL 27 FT. STEEL POLE WITH 70 FT. MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS, PEDESTRIAN SIGNAL HEAD AND 20 FT. STREET LIGHTING BRACKET WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE)
 - INSTALL 27 FT. (CUT TO 21 FT.) STEEL POLE WITH A 60 FT. (CUT TO 56 FT.) MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS, PEDESTRIAN SIGNAL HEADS AND PUSHBUTTON AND R10-4(1) SIGN. (INSTALL 1-2 IN AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE)
 - INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD AND CONTROL AND DISTRIBUTION EQUIPMENT. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE)
 - INSTALL HANDHOLE.
 - INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKINGS (STOP LINE).
 - INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKINGS (CROSSWALK).
 - USE EXISTING UTILITY POLE AND INSTALL 2 IN. ELECTRICAL CONDUIT PVC RISER, DISCONNECT AND PULL BACK EXISTING INTERCONNECT CABLE HEADING SOUTH ON MD 97 AND RE-FEED TO NEW CONTROLLER.
 - USE EXISTING HANDHOLE, DISCONNECT AND PULL BACK INTERCONNECT CABLE HEADING EAST ON BEL PRE ROAD AND RE-FEED TO NEW CONTROLLER.
 - INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
 - INSTALL M3-3 SIGN (30" x 15"), M1-5 SIGN (30 IN. x 24 IN.) AND M6-1(R) SIGN (30" x 24") ON ONE 4 IN. x 6 IN. WOOD SIGN SUPPORT.
 - INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
 - CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
 - INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE AND 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR EXISTING INTERCONNECT IN COMMON TRENCH.
 - USE EXISTING HANDHOLE, DISCONNECT AND PULL BACK EXISTING INTERCONNECT CABLE HEADING NORTH ON MD 97 AND RE-FEED TO NEW CONTROLLER.
 - INSTALL M3-1 SIGN (30" x 15"), M1-5 SIGN (30 IN. x 24 IN.) AND M6-1(R) SIGN (30" x 24") ON ONE 4 IN. x 6 IN. WOOD SIGN SUPPORT.
 - USE EXISTING HANDHOLE.
 - USE EXISTING CONDUIT.
 - ABANDON EXISTING CONDUIT.
 - REMOVE EXISTING HANDHOLE.
 - REMOVE EXISTING STRAIN POLE AND FOUNDATION 12 IN. BELOW GRADE.
 - REMOVE EXISTING STRAIN POLE, SIGN AND FOUNDATION 12 IN. BELOW GRADE. EXISTING CLOSED CIRCUIT CAMERA AND TYPE "6" CABINET ON STRAIN POLE TO BE RELOCATED ON NEW STEEL POLE BY MONTGOMERY COUNTY FORCES. CONTRACTOR SHALL CONTACT MR. MICHAEL KINNEY AT (240) 777-8760 AT LEAST 2 WEEKS PRIOR TO REMOVING STRAIN POLE.
 - REMOVE EXISTING SPAN WIRE, TRAFFIC SIGNAL HEADS, SIGNS AND TETHER WIRE.
 - REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE. DELIVER CABINET AND CONTROLLER TO SHA.

RIGHT-OF-WAY LINE

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
STORM DRAIN	SD
WATER	W
CABLE TV	TV

WR&A
Whitman, Reardon
and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS	APPROVALS
	TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	CHECKED - TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 97 (GEORGIA AVE.) AND BEL PRE ROAD

DRAWN BY: _____
CHECKED BY: _____
SCALE: 1" = 20'
DATE: _____

F.A.P. NO. _____
S.H.A. NO. _____
COUNTY: MONTGOMERY
LOG MILE: 15009707.67

TS NO. TS-3337B
T.L.M.S. NO. 0728
SHEET NO. 15 OF 24

SPECIAL NOTES

- THE CONTRACTOR SHALL NOT BLOCK VIEW OF EXISTING SIGNAL INDICATIONS DURING INSTALLATION OF MAST ARM. IF NEW MAST ARM CANNOT BE INSTALLED DUE TO CONFLICT WITH EXISTING SIGNAL INDICATIONS, A SIGNAL OUTAGE SHALL OCCUR DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL AVOID DISTURBANCE OF EXISTING UNDERGROUND ELECTRICAL SERVICE DURING INSTALLATION OF SIGNAL EQUIPMENT.
- INSTALL 3'-0" DIAMETER x 15'-0" DEEP FOUNDATION FOR SIGNAL POLE BASE IN LIEU OF 4'-0" DIAMETER x 10'-0" DEEP FOUNDATION.
- SEE SHEET TSP-2 OF FOR GENERAL NOTES.

TSP-1