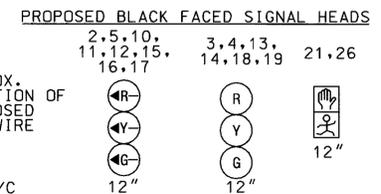
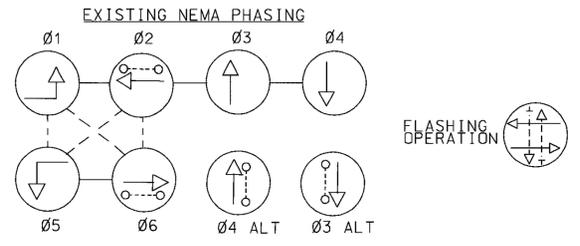
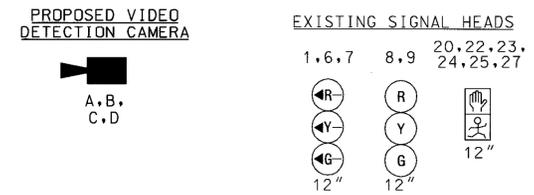


EXISTING SIGNS TO BE REMOVED

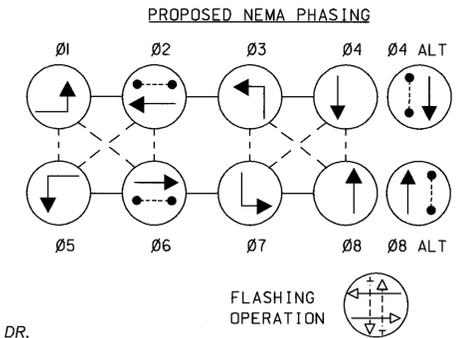
62 NORTH MARYLAND 118

63 SOUTH MARYLAND 118



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



- CONSTRUCTION DETAILS
- Remove and dispose of existing controller, pole, signs, signal heads, span wire, associated wiring, etc.
 - Install a NEMA size "6" ground mounted controller cabinet with all necessary equipment. (Note: 2-4" and 1-2" 90 degree PVC schedule 80 conduit bends). Pull all proposed electrical cables into the controller cabinet and properly tag/label each cable. All internal wiring shall be conducted by SHA/Montgomery County forces.
 - Install Video Detection, 20 ft luminaire arm, and mounting hardware.
 - Install new interconnect cable from new controller to interconnect splice box. Montgomery County to handle all disconnections, connections, and splices.
 - Install electrical service equipment on signal pole for overhead power feed.
 - Install new 32 ft. steel strain pole, signs, spanwire, signal heads, pedestrian heads, and pedestrian push buttons, weather head for aerial wires, and Maryland Shield Assembly (sign 64) as shown. (Note one -3 in. and one -2 in. PVC schedule 80 conduit bend).
 - Disconnect existing overhead interconnect cable and reconnect in new controller.
 - Abandon existing conduit and/or loop detectors as shown.
 - Install new 4" schedule 80 PVC conduit (bored).
 - Install new 2-4" schedule 80 PVC conduits (trenched).
 - Install new 3" schedule 80 PVC conduit (trenched).
 - Install new 2" schedule 80 pvc conduit (trenched) for power.
 - Disconnect existing loop cable. Run new cable from new controller to existing handhole and resplice.
 - Install new spanwire mounted sign.
 - Relocate existing spanwire mounted sign to new location as shown.
 - Install luminaire and 15' arm.
 - Install handhole.
 - Install ground mounted sign.
 - Sleeve existing conduit.
 - Abandon existing handhole.
 - Install temporary guy wires on pole until construction is complete.

UTILITY LEGEND

—G—	GAS MAIN
—W—	WATER MAIN
—S—	SEWER MAIN
—E—	ELECTRIC CABLES
—A—	AERIAL CABLES
—T—	TELEPHONE CABLES

- GENERAL NOTES:
- 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 construction so that utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the project Engineer immediately so that the conflict may be resolved.
 - Existing signal equipment, conduit, conductors, handholes, etc. shall be reused and protected in place unless otherwise shown.
 - Contact Montgomery County TMC 72 hours prior to any digging to mark existing underground signal equipment (240)777-2100.
 - Striping shown is to be installed per the signing and pavement marking plan prepared by Macris, Hendricks and Glascock, P.A.
 - Sequence of construction needs to maintain right turn for westbound traffic. The existing cabinet shall not be removed until the proposed cabinet is functional.
 - Montgomery County forces will disconnect and splice all interconnect cables. The contractor shall install or relocate interconnect cables as directed per plans.
 - Contractor to coordinate location of traffic signal equipment during staking of geometric improvements.

- GENERAL NOTES (cont.):
- 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, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.

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REVISIONS		APPROVALS	
(D)	MAY 28, 04; REVISION 1MP TO INCLUDE ADDITIONAL MD LT. REMOVE CHANNELIZED WB RIGHT TURN LANE.	ORIGINAL	
(C)	APRIL 1993 EB RT LANE, POLE RELOCATION LOPS AND SB LANE	ON	
(B)	4-3-93 AS BUILT		
(A)	4-22-88 SHA NO. M-969-451-371 RELOCATE SIGNAL EQUIP. DUE TO GEO. IMP. W/P DOUBLE LT	FILE	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL MODIFICATION PLAN

GERMANTOWN ROAD (MD 118)

AT MIDDLEBROOK ROAD

DRAWN BY: MCDOT	F.A.P. NO.	TS NO.
CHECKED BY: MCDOT	S.H.A. NO.	2003D
SCALE: 1"=20'	COUNTY: MONTGOMERY	T.I.M.S. NO.
DATE: AUG, 1986	LOG MILE: I5011805.57	0056

SHEET NO. 1 OF 2