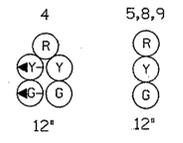
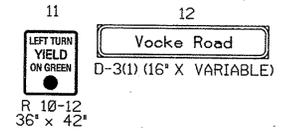


MD 658 RUNS IN A NORTH-SOUTH DIRECTION.

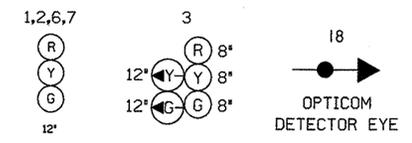
EXISTING SIGNALS



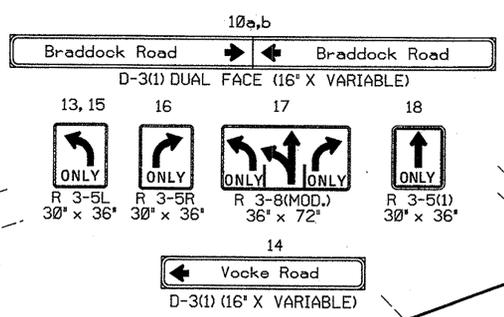
EXISTING SIGNS



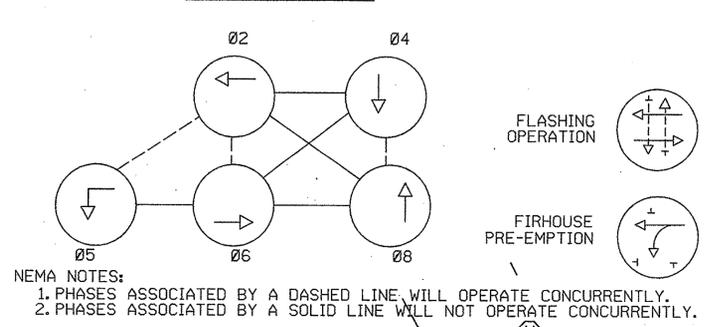
PROPOSED SIGNALS



PROPOSED SIGNS



NEMA PHASING



TO MD 53 (WINCHESTER RD.)

MD 658 (VOCKE ROAD)

MD 658
TO US 40 ALT. (NATIONAL HWY.)

MD 49 (BRADDOCK ROAD)

CONSTRUCTION DETAILS (CONT.)

- (E) INSTALL MICROLOOP PROBE (3) SET WITH 1000' LEAD-IN.
- (F) INSTALL TRAFFIC SIGNAL HANDHOLE.
- (G) INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT SLEEVE FOR LOOP DETECTOR LEAD-IN.
- (H) INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- (J) INSTALL 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- (K) INSTALL 4" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- (L) INSTALL 4" PVC SCHEDULE 80 CONDUIT - SLOTTED.
- (M) USE EXISTING HANDHOLE.
- (N) REMOVE MAST ARM, POLE, SIGNAL HEADS, SIGNS AND ASSOCIATED WIRING.
- (O) INSTALL 24 INCH PERMANENT PREFORMED PAVEMENT MARKING TAPE.
- (P) USE EXISTING CONDUIT.
- (Q) REMOVE EXISTING HANDHOLE.
- (R) INSTALL 6' X 6' LOOP DETECTOR (4 TURNS).
- (S) INSTALL 1-4" CONDUIT BEND IN EXISTING CABINET BASE.
- (T) CAP AND ABANDON EXISTING CONDUIT.
- (U) INSTALL 23' (CUT 27') STEEL POLE WITH A SINGLE 38' MAST ARM AND SIGNS. (NOTE: 1-3" PVC SCHEDULE 80 CONDUIT BEND AND 4-1/2" X 54" ANCHOR BOLTS)
- (V) USE EXISTING CONDUIT FOR EXISTING UNDERGROUND FEED BY ALLEGHENY POWER.
- (X) USE EXISTING MAST ARM, POLE, SIGNAL HEADS, SIGN AND REMOVE EXIST R3-5 (MOD) SIGN. INSTALL R3-5(L), R3-5(R) SIGNS.

CONSTRUCTION DETAILS

- (A) INSTALL 27' STEEL POLE WITH A SINGLE 38' MAST ARM, SIGNAL HEADS, SIGNS, OPTICOM DETECTOR, 20 FT STREET LIGHTING ARM AND 250 WATT HPS LUMINAIRE AS SHOWN. (NOTE: 2-3" PVC SCHEDULE 80 CONDUIT BEND AND 4-1-1/2" X 54" ANCHOR BOLTS)
- (B) INSTALL 27' STEEL POLE WITH A SINGLE 38' MAST ARM, SIGNAL HEADS, AND SIGNS. (NOTE: 1-3" PVC SCHEDULE 80 CONDUIT BEND AND 4-1-1/2" X 54" ANCHOR BOLTS)
- (C) INSTALL 6' X 30' QUADRUPOLE LOOP DETECTOR (3-6-3 TURNS).
- (D) INSTALL MICROLOOP PROBE (3) SET WITH 500' LEAD-IN.

GENERAL NOTES:

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND TO BE INSTALLED BY THE SIGNAL CONTRACTOR. ALL OTHER MARKINGS ARE TO BE INSTALLED AS NOTED IN THE CONTRACT DOCUMENTS.
2. LOOP DETECTORS AND CONDUITS ARE TO BE INSTALLED PRIOR TO INSTALLATION OF THE FINAL PAVEMENT MARKINGS.
3. LOOP DETECTORS ARE TO BE INSTALLED ONE (1) FOOT BEHIND STOP LINE.
4. ALL PROPOSED TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. 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 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.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

BAI BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUNSEY ROAD, SUITE 210
COLUMBIA, MARYLAND 21045
(410)-894-3607

REVISIONS	APPROVALS
(G) GEOMETRIC IMPROVEMENTS FOR A RIGHT TURN LANE ON MD 49. 07/2000. SHA No. AL841576. RJM	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
(F) ALLEGHENY SERVICES, ILL. SIGNAL PRE-EMPTION OPTICOM FOR SOUTHBOUND MD 658. 08/2000. SHA No. XX1005785	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
(A) REDLINE REVISION 06/93	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
WM CRS DD DAZ ETP TH	DIRECTOR, TRAFFIC & SAFETY
(D) REPLACED TER. CABINET, ALL LOOP DETECTORS, HANDBOXES, & CONDUIT 09/92	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 658 (VOCKE ROAD) & I-68 OFF RAMP - MD 49 (BRADDOCK ROAD)

DRAWN BY: B.F.
CHECKED BY: R.M.
SCALE: 1" = 20'
DATE: JULY 2001

F.A.P. NO. AL8415176
S.H.A. NO. ALLEGANY
COUNTY: ALLEGANY
LOG MILE: 01065800.63

SEE TITLE SHEET
TS-318 G
T.I.M.S. NO. E-097

SHEET NO. 32 OF 56

SG-3