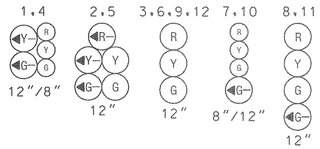
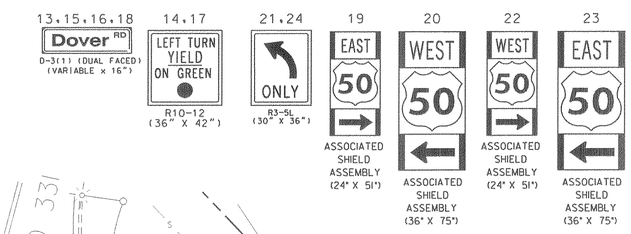
US 50 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

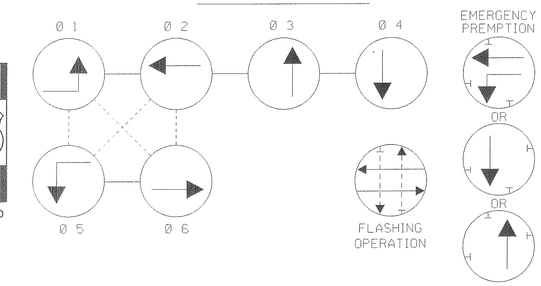
## PROPOSED SIGNALS




## PROPOSED SIGNS




## NEMA PHASING

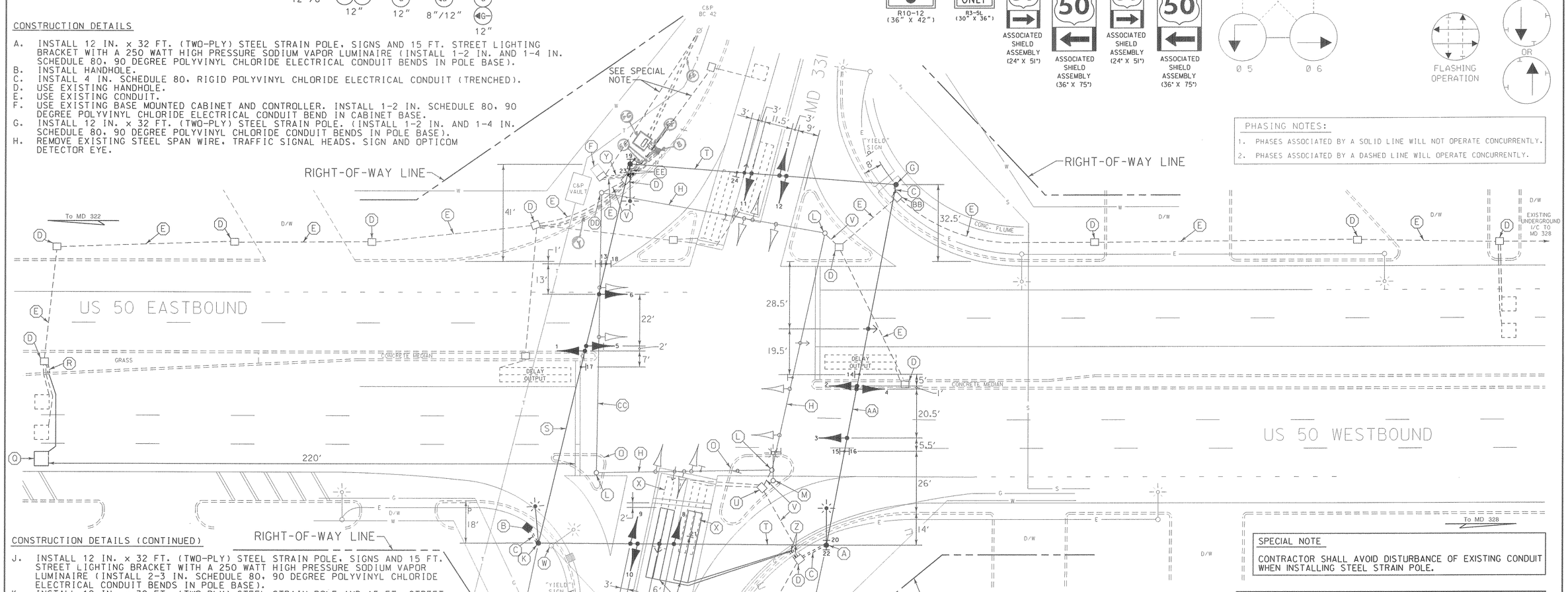



PHASING NOTES:

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

CONSTRUCTION DETAILS

A. INSTALL 12 IN. x 32 FT. (TWO-PLY) STEEL STRAIN POLE, SIGNS AND 15 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).
B. INSTALL HANDHOLE.
C. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
D. USE EXISTING HANDHOLE.
E. USE EXISTING CONDUIT.
F. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BEND IN CABINET BASE.
G. INSTALL 12 IN. x 32 FT. (TWO-PLY) STEEL STRAIN POLE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN POLE BASE).
H. REMOVE EXISTING STEEL SPAN WIRE, TRAFFIC SIGNAL HEADS, SIGN AND OPTICOM DETECTOR EYE.




CONSTRUCTION DETAILS (CONTINUED)

J. INSTALL 12 IN. x 32 FT. (TWO-PLY) STEEL STRAIN POLE, SIGNS AND 15 FT. STREET LIGHTING BRACKET WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
K. INSTALL 12 IN. x 32 FT. (TWO-PLY) STEEL STRAIN POLE AND 15 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).
L. REMOVE EXISTING STEEL STRAIN POLE AND FOUNDATION 2 FT. BELOW GRADE.
M. REMOVE EXISTING STREET LIGHTING POLE AND FOUNDATION 2 FT. BELOW GRADE.
N. REMOVE EXISTING OVERHEAD ELECTRICAL FEED TO STREET LIGHTING POLE.
O. REMOVE EXISTING ISLAND AND INSTALL FULL DEPTH PAVING. (SEE TYPICAL PAVEMENT SECTION DETAIL).
P. INSTALL 6 FT. x 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
Q. INSTALL 6 FT. x 6 FT. (4-TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
R. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
S. INSTALL 3/8 IN. STEEL SPAN WIRE, TRAFFIC SIGNAL HEADS, SIGNS AND 1/4 IN. TETHER SPAN WIRE (BOTTOM TETHER FIVE SECTION TRAFFIC SIGNAL HEADS AND R10-12 SIGN).
T. INSTALL 3/8 IN. STEEL SPAN WIRE, TRAFFIC SIGNAL HEADS, SIGN, OPTICOM DETECTOR EYE AND 1/4 IN. TETHER SPAN WIRE (BOTTOM TETHER FOUR-SECTION TRAFFIC SIGNAL HEADS AND R3-5L SIGN).
U. REMOVE EXISTING HANDHOLE.
V. ABANDON EXISTING CONDUIT.
W. REMOVE EXISTING STREET LIGHTING POLE AND FOUNDATION 12 IN. BELOW GRADE.
X. ABANDON EXISTING LOOP DETECTOR.
Y. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
Z. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
AA. INSTALL 3/8 IN. STEEL SPAN WIRE, TRAFFIC SIGNAL HEADS, SIGNS, OPTICOM DETECTOR EYE AND 1/4 IN. TETHER SPAN WIRE. (BOTTOM TETHER FIVE-SECTION TRAFFIC SIGNAL HEADS AND R10-12 SIGN).
BB. USE EXISTING HANDHOLE, DISCONNECT AND PULL BACK EXISTING INTERCONNECT CABLE FROM WEST AND RE-FEED TO BASE MOUNTED CABINET (SEE WIRING DIAGRAM).
CC. REMOVE EXISTING STEEL SPAN WIRE, TETHER SPAN WIRE, TRAFFIC SIGNAL HEADS AND SIGNS.
DD. REMOVE EXISTING STEEL STRAIN POLE AND FOUNDATION 12 IN. BELOW GRADE.
EE. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

F.F. INSTALL 4 IN. Schedule 80 PVC Conduit (TRENCH)
G.G. INSTALL Base mounted Controller & Cabinet

GENERAL NOTES

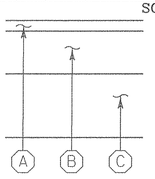
1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. REFER TO PAVEMENT MARKING PLAN (SHEET 2 OF 3) FOR ADDITIONAL PAVEMENT MARKING DETAILS.
3. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE FROM EXISTING CONDUIT.
4. CONTRACTOR SHALL CONTACT EASTON UTILITIES AT (410) 822-6110 TO COORDINATE REMOVAL OF EXISTING STREET LIGHTING POLES.

SPECIAL NOTE

CONTRACTOR SHALL AVOID DISTURBANCE OF EXISTING CONDUIT WHEN INSTALLING STEEL STRAIN POLE.

## TYPICAL PAVEMENT SECTION DETAIL

SCALE: NONE




A. 1 1/2 IN. HOT MIX ASPHALT SURFACE, BAND SC
B. 7 IN. HOT MIX ASPHALT BASE, BAND BF (1-3 IN. LIFT AND 1-4 IN. LIFT)
C. 12 IN. BASE COURSE USING GRADED AGGREGATE (2-6 IN. LIFTS)

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, Requardt and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450


| REVISIONS | | | APPROVALS |
|---|---|---|---|
| 03/03/00 | NR | GEL 12/1/10 | ASST. TRAFFIC ENGINEERING DESIGN DIVISION |
| (C) MODIFICATION DUE TO GEOMETRIC IMPROVEMENTS T.I.M.S. NO. D376 | | 01/00 | ASST. DISTRICT ENGINEER, TRAFFIC |
| NML | | | CHIEF TRAFFIC ENGINEERING DESIGN DIVISION |
| (B) ASBUILT | | 10/13/93 | DIRECTOR, TRAFFIC & SAFETY |
| RRZ | | | |

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
*Office of Traffic & Safety*
TRAFFIC ENGINEERING DESIGN DIVISION

# TRAFFIC SIGNALIZATION PLAN US 50 AND MD 331

| | | | |
|---|---|---|---|
| DRAWN BY: B. THOMPSON | F.A.P. NO. TA400A54/B54 | TS NO. 538C | SHEET NO. |
| CHECKED BY: W. RICHARDSON | S.H.A. NO. | | |
| SCALE: 1" = 20' | COUNTY: TALBOT | T.I.M.S. NO. | 1 OF 3 |
| DATE: 12-1-76 | LOG MILE: 2000501.49 | | |

N:\96011A\d376gp01.dgn