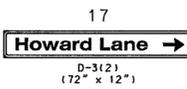
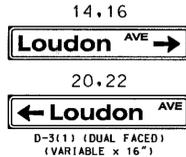
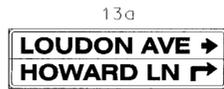
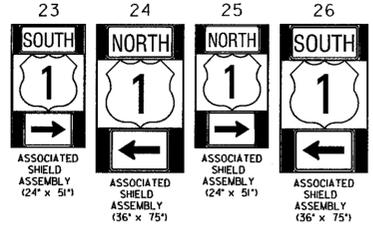


EXISTING SIGNS TO BE REMOVED



US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

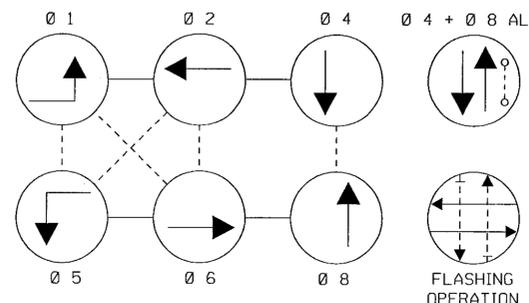


PROPOSED SIGNS

PROPOSED VIDEO DETECTION CAMERA

PROPOSED SIGNAL HEADS

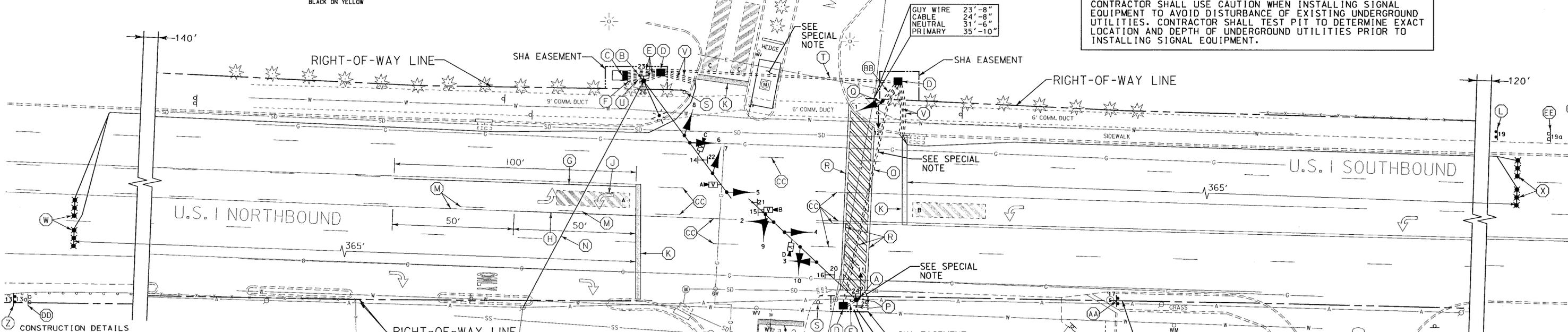
NEMA PHASING



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

SPECIAL NOTE:

CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.



CONSTRUCTION DETAILS

- INSTALL 16 FT. (15'-0" T) STEEL POLE WITH A 60 FT. MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4(1) SIGN (SIGN TO READ "PUSH BUTTON TO CROSS WASHINGTON BLVD."), AND VIDEO DETECTION CAMERAS MOUNTED ON MAST ARM. (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 A 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, ELECTRICAL UTILITY SERVICE EQUIPMENT (120/240 VOLTS, 60 AMP), SIGNS, VIDEO DETECTION CAMERAS MOUNTED ON MAST ARM, CLEVIS AND 1 IN. GALVANIZED RISER FOR TELEPHONE SERVICE AND 15 FT. STREET LIGHTING ARM 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 NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
- INSTALL HANDHOLE.
- INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE.
- INSTALL 5 IN. YELLOW HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- INSTALL 5 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- REMOVE EXISTING PAVEMENT MARKING ARROW.
- INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
- INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL AND FLAGS AND D-3(2) SIGN (72 IN. x 12 IN.) ON TWO 4 IN. x 6 IN. TREATED WOOD POSTS APPROXIMATELY 525 FT. IN ADVANCE OF THE INTERSECTION ON SOUTHBOUND U.S. 1.
- REMOVE EXISTING PAVEMENT MARKINGS.
- INSTALL PROPOSED OVERHEAD ELECTRICAL AND TELEPHONE SERVICE.
- INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
- INSTALL STEEL BOLARDS TO PROTECT STEEL POLE (SEE STEEL BOLLARD DETAIL ON SHEET 2 OF 3).
- INSTALL 14" BREAKAWAY PEDESTAL POLE WITH TRAFFIC SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4(1) SIGN (SIGN TO READ "PUSH BUTTON TO CROSS WASHINGTON BLVD"). (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE.)
- INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
- REMOVE EXISTING R1-1 "STOP" SIGN AND SUPPORT.
- INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
- INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE.
- INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
- INSTALL MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN.
- INSTALL W2-2(L) SIGN (36 IN. x 36 IN.) AND D-3(2) SIGN (72 IN. x 12 IN.) ON TWO 4 IN. x 6 IN. TREATED WOOD POSTS APPROXIMATELY 625 FT. IN ADVANCE OF THE INTERSECTION ON SOUTHBOUND U.S. 1.
- INSTALL W3-3 "LOUDON AVE" SIGN (72 IN. x 24 IN.) ON TWO 4 IN. x 6 IN. TREATED WOOD POSTS APPROXIMATELY 590 FT. IN ADVANCE OF THE INTERSECTION ON NORTHBOUND U.S. 1.
- INSTALL D-3(2) "HOWARD LANE" SIGN (72 IN. x 12 IN.) ON TWO 4 IN. x 6 IN. TREATED WOOD POSTS.
- INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
- REMOVE EXISTING D-3(1) SIGN AND SUPPORTS LOCATED APPROXIMATELY 585 FT. IN ADVANCE OF THE INTERSECTION.
- REMOVE EXISTING W2-1(1) MOD. AND D-3(1) SIGNS AND SUPPORTS LOCATED APPROXIMATELY 605 FT. IN ADVANCE OF THE INTERSECTION.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

WR&A
Whitman, Reardon
and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

REVISIONS	APPROVALS
	<i>Amy K. Beall</i> 5-28-04 TEAM LEAD, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 5/26/04 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
U.S. 1 (WASHINGTON BLVD) AND LOUDON AVENUE

DRAWN BY: B. DONOWAY	F.A.P. NO.:	TS NO.:	
CHECKED BY: N. LEARY	S.H.A. NO.:	4289	SHEET NO.:
SCALE: 1" = 20'	COUNTY: HOWARD	T.I.M.S. NO.:	
DATE: 5/18/2004	LOG MILE: 13000108.69	F602	1 OF 3