

MD 150 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS TO REMAIN

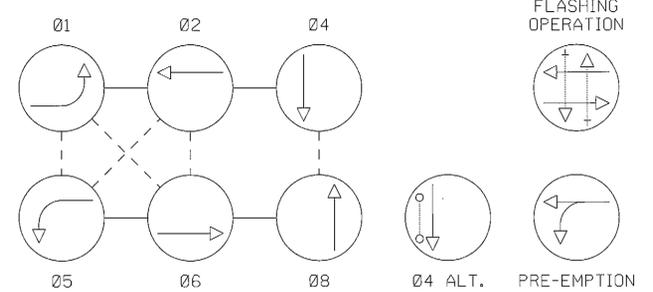
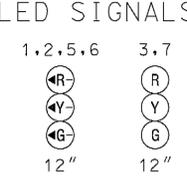
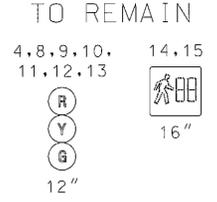
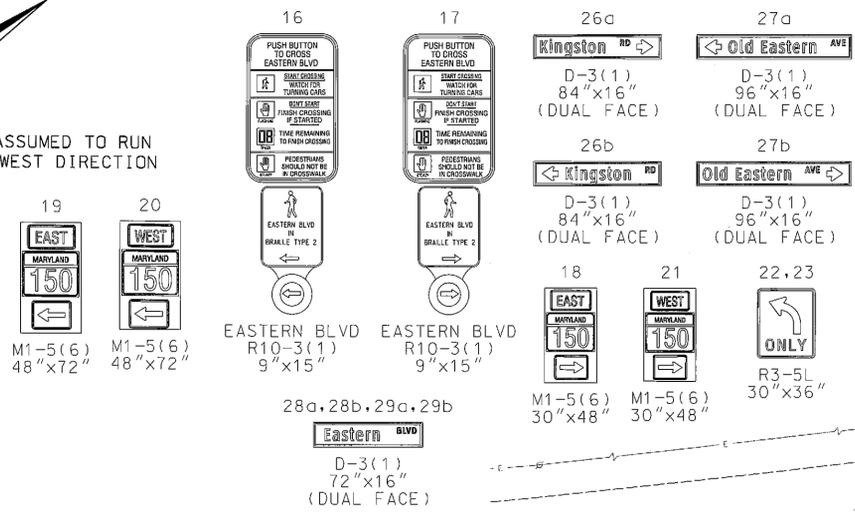
PROPOSED SIGNS

EXISTING LED SIGNALS TO REMAIN

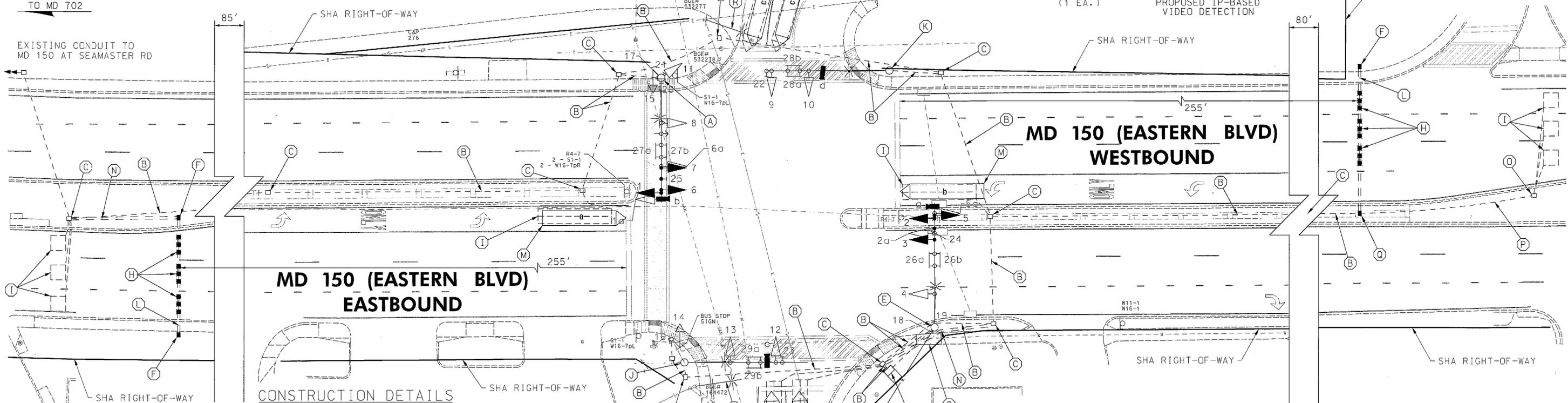
PROPOSED LED SIGNALS

NEMA PHASING

FLASHING OPERATION



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY. PHASE 2 AND 6 ALT INCLUDE OPERATION OF MD 150 EASTBOUND AND WESTBOUND PERMISSIVE LEFT TURNS USING FLASHING RED ARROW OPERATION. TIME OF DAY OPERATION SHALL BE AS DIRECTED BY SHA.



- A. REMOVE EXISTING LED SIGNAL HEADS. INSTALL LED SIGNAL HEADS, SIGN AND IP-BASED VIDEO DETECTION CAMERA ON EXISTING MAST ARM. PLUG UNUSED HOLES.
- B. USE EXISTING CONDUIT.
- C. USE EXISTING ELECTRICAL HANDHOLE.
- D. USE EXISTING BASE MOUNTED CABINET. REMOVE EXISTING VIDEO DETECTION INTERFACE EQUIPMENT. INSTALL IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT.
- E. REMOVE EXISTING LED SIGNAL HEADS. INSTALL LED SIGNAL HEADS, SIGN AND IP-BASED VIDEO DETECTION CAMERA ON EXISTING MAST ARM. PLUG UNUSED HOLES. OVERHEAD POWER FEED TO REMAIN.
- F. INSTALL ELECTRICAL HANDHOLE. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY.
- G. REMOVE EXISTING CONCRETE SIDEWALK. INSTALL 5 INCH CONCRETE SIDEWALK AFTER PROPOSED CONDUIT INSTALLATION.
- H. INSTALL NON-INVASIVE MICROLOOP PROBE DETECTOR WITH LEAD-IN CABLE. INSTALL DETECTORS CENTERED IN LANE.
- I. ABANDON EXISTING LOOP DETECTOR.
- J. REMOVE EXISTING VIDEO DETECTION CAMERA. INSTALL IP-BASED VIDEO DETECTION CAMERA ON EXISTING MAST ARM. INSTALL 15 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE WITH PHOTOCELL ON EXISTING MAST ARM POLE.
- K. INSTALL IP-BASED VIDEO DETECTION CAMERA ON EXISTING MAST ARM. INSTALL 15 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE WITH PHOTOCELL ON EXISTING MAST ARM POLE.
- L. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED FOR CARRIER PIPE.
- M. PROPOSED VIDEO DETECTION ZONE. INSTALL 1 FT. BEHIND STOP LINE.
- N. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- O. REMOVE EXISTING HANDHOLE.

CONSTRUCTION DETAILS (CONT.)

- P. CAP AND ABANDON EXISTING CONDUIT.
- Q. INSTALL ELECTRICAL HANDHOLE. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY. TIE INTO EXISTING CONDUIT RUN.
- R. BG&E TO REMOVE EXISTING UTILITY POLE MOUNTED LIGHTING ARM AND LUMINAIRE.

GEOMETRIC LEGEND	
---	EXISTING
- - - -	PROPOSED

UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
E	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

APPROVALS	REVISIONS
<p>TEAM LEADER</p> <p>ASST. DIV. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>F. INSTALL FL/R ARROWS, VID. CAMERAS, NON-INVASIVES SHA NO. XY125185-TIMS NO. 1275</p> <p>E. INSTALL VID. DETECTION 03-2011</p> <p>JM LW</p> <p>ADA RAMPS, REMOVE PED 06-2008</p> <p>D XING, INSTALL APS/CP5 WEST LEG SHA NO. AT9365185-TIMS NO. 1942</p> <p>EMM TMH DJD WH TH</p>

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SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 150 (EASTERN BLVD) AT
 KINGSTON RD / OLD EASTERN AVE
 MIDDLE RIVER, MD

TRAFFIC SIGNAL PLAN			
SCALE	1"=20'	DATE	10-15-1982
DESIGNED BY	J. GORDON	COUNTY	BALTIMORE
DRAWN BY	J. GORDON	LOGMILE	03015005.65
CHECKED BY		TIMS NO.	
FAP NO.		TOD NO.	
TS NO.	1880F	DRAWING	SP-1 OF 2
		SHEET NO.	1 OF 2