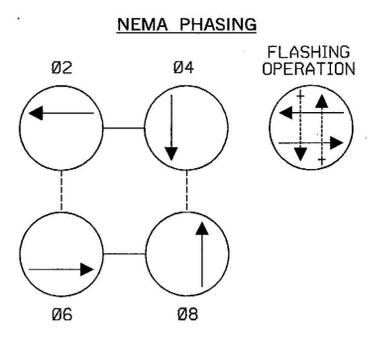
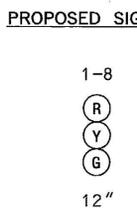
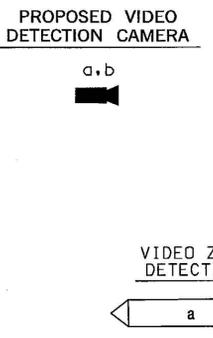
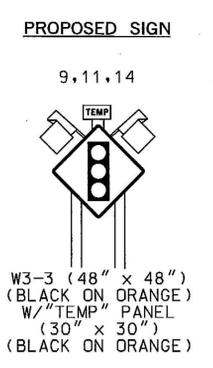
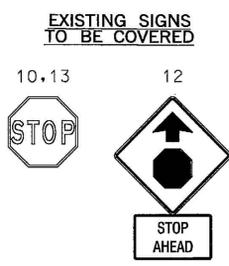




MD 648 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

**GENERAL NOTES**

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
4. ALL TRAFFIC SIGNAL EQUIPMENT (WOOD POLES, ETC.) SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION OF TWO-WAY OPERATION ON THE DRAW BRIDGE. THE CONTRACTOR SHALL NOTIFY SHA TO REMOVE THE SIZE "5" CONTROLLER CABINET AND VIDEO DETECTION.
5. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.

GROVE ROAD/POLICE STATION SIGN

MD 648 SIGNS

CONCRETE

I-695 WB Off-Ramp

GRASS MEDIAN

CONCRETE

"DO NOT ENTER" SIGN

WEST, I-695, TOWNSHIP SIGN

MD 648 (Baltimore Annapolis Blvd)

CONCRETE MEDIAN

WEST, I-695 SIGN

R4-7 SIGN

MD 648 (Baltimore Annapolis Blvd)

SIDEWALK

SOUTH, MD 648 SIGN

Wanda Road

I-695 SIGN

"STOP" SIGN

BGE 491534

SIDEWALK

"DO NOT ENTER" SIGN

STEEL BLADE

SIDEWALK

BGE 491535

CABLE	15'-9"
CABLE	21'-4"
CABLE	23'-0"
SECONDARY	27'-1"
SECONDARY	28'-6"
PRIMARY RACK	35'-11"

**CONSTRUCTION DETAILS**

- INSTALL 40 FT. CLASS II WOOD POLE WITH VIDEO DETECTION CAMERA (CAMERA SHALL BE MOUNTED ON WOOD POLE A MINIMUM OF 20 FT. ABOVE GRADE), 3 IN. ELECTRICAL CONDUIT PVC RISER, ELECTRICAL UTILITY SERVICE EQUIPMENT (120/240 V, 60 AMPS), POLE MOUNTED CABINET AND CONTROLLER AND BACK GUY.
- INSTALL 40 FT. CLASS II WOOD POLE WITH VIDEO DETECTION CAMERA (CAMERA SHALL BE MOUNTED A MINIMUM OF 20 FT. ABOVE GRADE) MOUNTED ON WOOD POLE AND BACK GUY.
- INSTALL 40 FT. CLASS II WOOD POLE WITH AND BACK GUYS.
- INSTALL 3/8 IN. STEEL SPAN WIRE AND SIGNAL HEADS.
- INSTALL W3-3 (48 IN. X 48 IN.) AND "TEMP" PANEL (30 IN. X 30 IN.) SIGNS ON TWO 4 IN. X 6 IN. WOOD SIGN SUPPORTS APPROXIMATELY 550 FT. IN ADVANCE OF THE INTERSECTION ON WB MD 648.
- PROPOSED OVERHEAD ELECTRICAL SERVICE.
- INSTALL 24 IN. WHITE REMOVEABLE PREFORMED PAVEMENT LINE MARKINGS (STOP LINE).
- EXISTING R1-1 SIGN TO BE COVERED FOR THE DURATION OF TEMPORARY SIGNAL OPERATION. SIGN IS TO BE UNCOVERED AFTER REMOVAL OF TEMPORARY SIGNAL EQUIPMENT.
- INSTALL W3-3 (48 IN. X 48 IN.) AND "TEMP" PANEL (30 IN. X 30 IN.) SIGNS ON TWO 4 IN. X 6 IN. WOOD SIGN SUPPORTS APPROXIMATELY 520 FT. IN ADVANCE OF THE INTERSECTION ON WB I-695 OFF-RAMP.
- EXISTING W3-1a AND "STOP AHEAD" SIGNS TO BE COVERED FOR THE DURATION OF TEMPORARY SIGNAL OPERATION. SIGN IS TO BE UNCOVERED AFTER REMOVAL OF TEMPORARY SIGNAL EQUIPMENT.
- INSTALL W3-3 (48 IN. X 48 IN.) AND "TEMP" PANEL (30 IN. X 30 IN.) SIGNS ON TWO 4 IN. X 6 IN. WOOD SIGN SUPPORTS APPROXIMATELY 715 FT. IN ADVANCE OF THE INTERSECTION ON WB MD 648.

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED

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

APPROVALS	
TEAM LEADER	<i>[Signature]</i> 12-21-09
ASST. DIR. CHIEF	<i>[Signature]</i> 12-21-09
DIVISION CHIEF	<i>[Signature]</i> 12/21
OFFICE DIRECTOR	

REVISIONS	

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 648 and I-695 WB Ramps  
Temporary Traffic Signal

TRAFFIC SIGNALIZATION PLAN			
SCALE	1" = 20'	ADVERTISED DATE	12/19/2009
CONTRACT NO.	AT9135185		
DESIGNED BY	S. Bloss	COUNTY	Baltimore
DRAWN BY	S. Bloss	LOGMILE	02E64806.53
CHECKED BY	N. Leary	TMS NO.	K274
F.A.P. NO.		TOD NO.	
TS NO.	4746	DRAWING	TSP-1 OF 3
SHEET NO.	1 OF 3		

**WR&A**  
**WHITMAN, REQUARDT & ASSOCIATES, LLP**  
801 South Caroline Street, Baltimore, Maryland 21231

PLOTTED: 12-18-2009  
FILE: \\s1643-012\CADD\SSG-P001\_md648.dgn