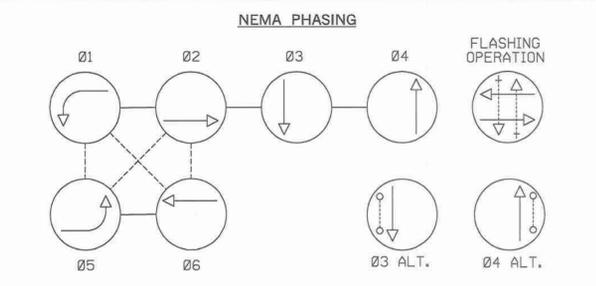
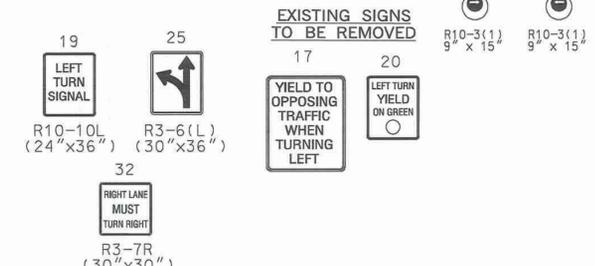
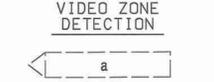
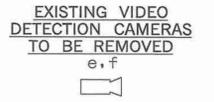
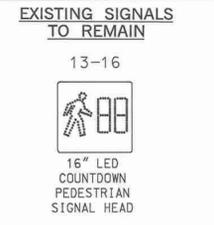
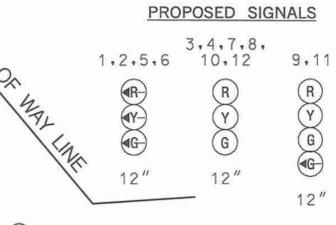
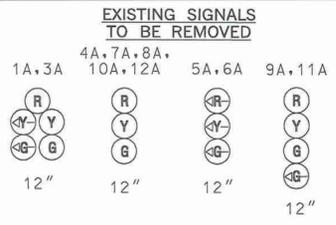
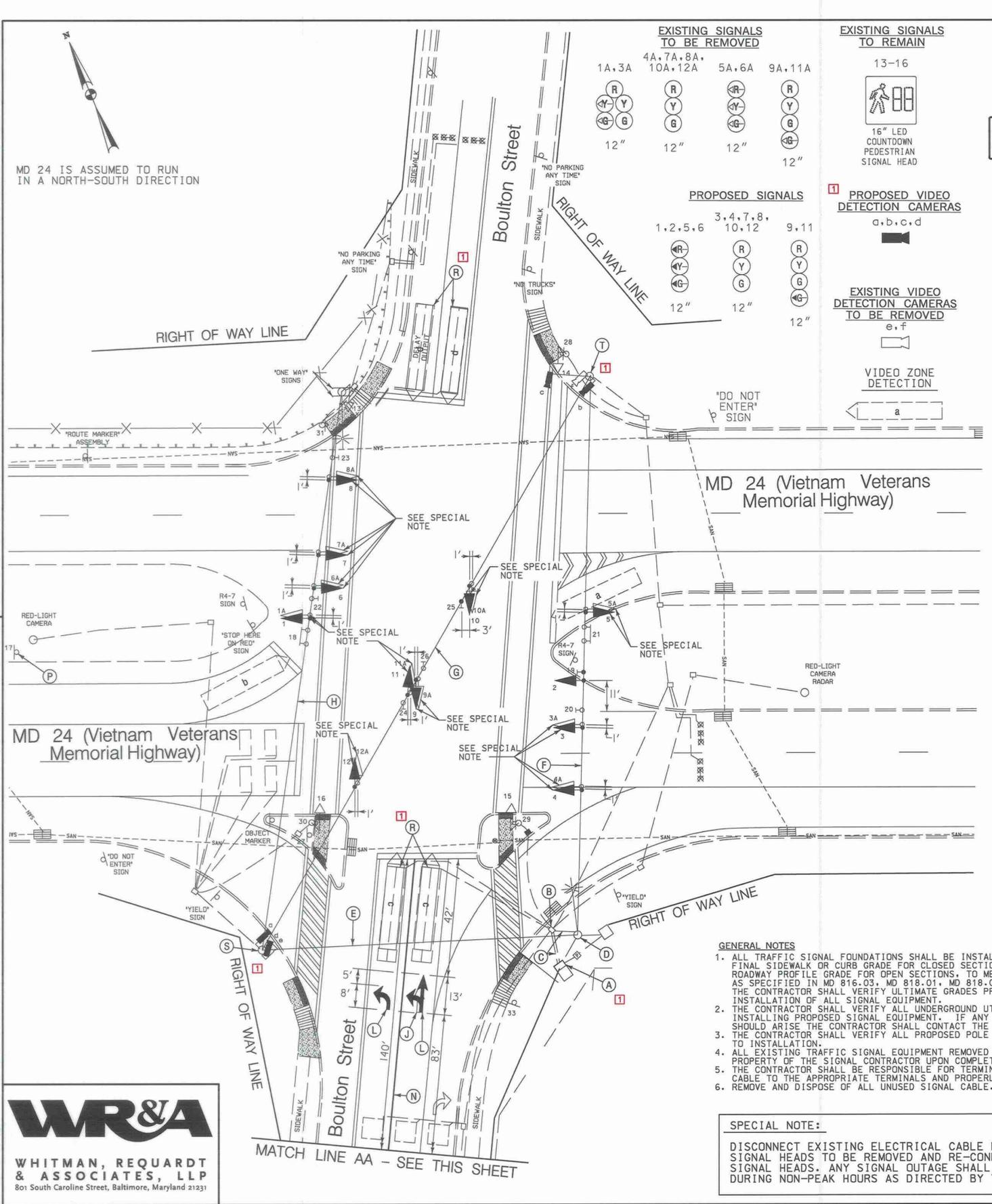


MD 24 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



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

CONSTRUCTION DETAILS

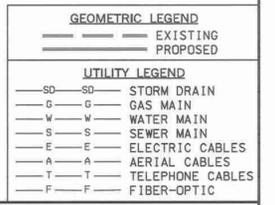
- A.** USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. (SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
- B.** USE EXISTING HANDHOLE.
- C.** USE EXISTING CONDUIT.
- D.** USE EXISTING STEEL STRAIN POLE.
- E.** USE EXISTING STEEL SPAN WIRE.
- F.** USE EXISTING STEEL STRAIN POLE. REMOVE EXISTING SIGNAL HEADS AND SIGN. INSTALL NEW L.E.D SIGNAL HEADS AND SIGN.
- G.** USE EXISTING STEEL SPAN WIRE. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW L.E.D SIGNAL HEADS AND SIGN.
- H.** USE EXISTING STEEL SPAN WIRE. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW L.E.D SIGNAL HEADS.
- J.** REMOVE EXISTING PAVEMENT MARKING SYMBOL.
- K.** REMOVE EXISTING PAVEMENT MARKING LINE.
- L.** INSTALL HEAT APPLIED WHITE THERMOPLASTIC ARROWS.
- M.** INSTALL HEAT APPLIED WHITE PERMANENT PREFORMED MARKING LETTERS.
- N.** INSTALL 5 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- O.** INSTALL 5 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING. (3 FT. LINE WITH 9 FT. GAP)
- P.** REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.
- Q.** INSTALL R3-7R (30 IN. x 30 IN.) SIGN ON ONE 4 IN. x 4 IN. WOOD SIGN SUPPORT.
- R.** ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- S.** USE EXISTING STRAIN POLE. REMOVE EXISTING VIDEO DETECTION CAMERA. INSTALL PROPOSED VIDEO DETECTION CAMERAS MOUNTED ON STRAIN POLE.
- T.** USE EXISTING STRAIN POLE. REMOVE EXISTING VIDEO DETECTION CAMERA. INSTALL PROPOSED VIDEO DETECTION CAMERA MOUNTED ON CAMERA ARM AND ON EXISTING STRAIN POLE.

GENERAL NOTES

1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. 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.
3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

SPECIAL NOTE:

DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED SIGNAL HEADS. ANY SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.



SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 24 (Vietnam Veterans Memorial Highway) and Bouillon Street
Bel Air, MD

APPROVALS	REVISIONS
<p>TEAM LEADER</p> <p>ASSY. DIV. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>1 REDLINE REVISION NO. 1 UPGRADE VIDEO DETECTION CONTRACT NO. XX4485185 8/13/10</p> <p>BRD NML</p> <p>2 PHASING CHANGE TO EXCLUSIVE LEFT TURN FROM L/P NB MD 24 CONTRACT NO. XX4485185 3/29/10</p> <p>BRD NML</p> <p>3 INSTALL NEW RED LIGHT CAMERA EQUIPMENT CONTRACT NO. BW996M82 1/15/10</p> <p>FJH DJD</p>

TRAFFIC SIGNALIZATION PLAN			
SCALE 1" = 20'	ADVERTISED DATE 10-28-07	CONTRACT NO. AT7825185	
DESIGNED BY S. Thacker	COUNTY Harford		
DRAWN BY	LOGMILE 12002409.28		
CHECKED BY D. Doda	TMS NO. K318		
F.A.P. NO.	TOD NO.		
TS NO. 2386E	DRAWING TSP-1	OF 2	SHEET NO. 1 OF 2

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

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