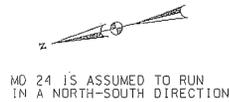


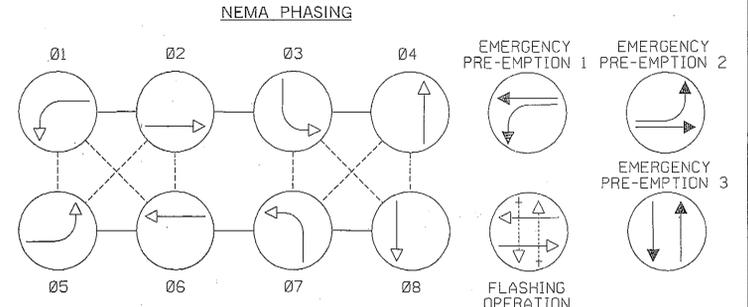
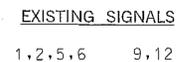
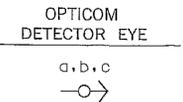
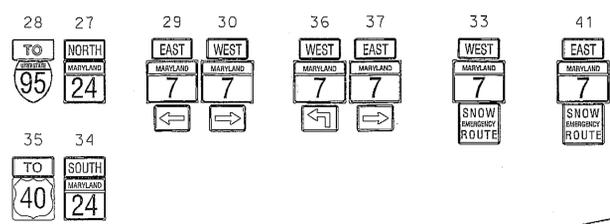
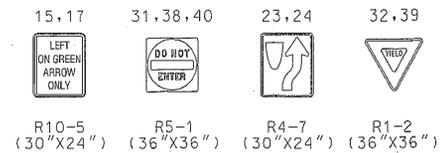
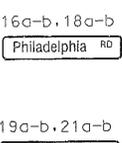
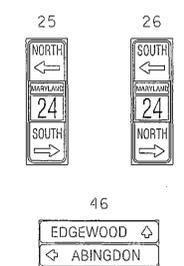
BORDER REV. DATE: FEB 7, 2012



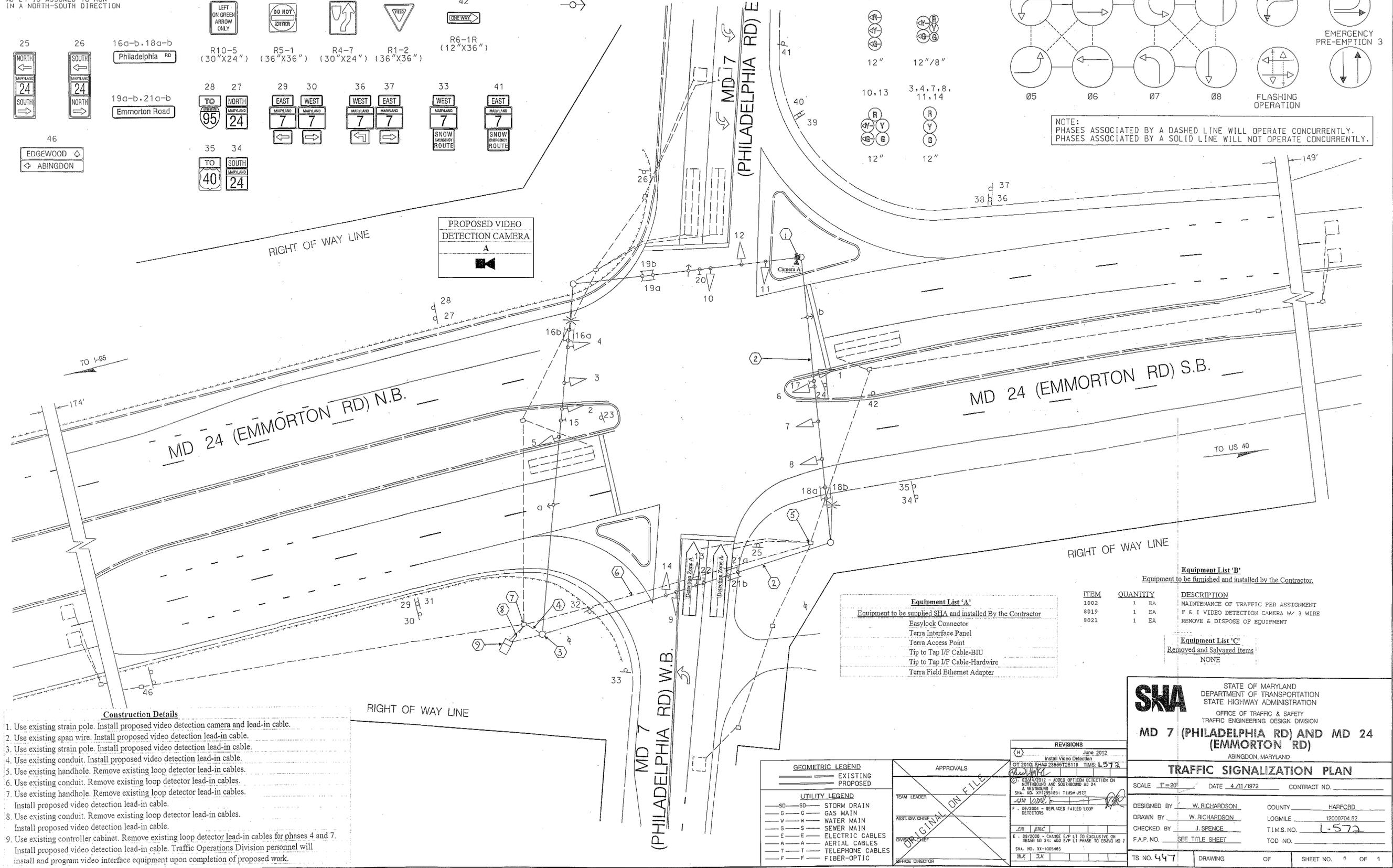
BY: swikering



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**

1. Use existing strain pole. Install proposed video detection camera and lead-in cable.
2. Use existing span wire. Install proposed video detection lead-in cable.
3. Use existing strain pole. Install proposed video detection lead-in cable.
4. Use existing conduit. Install proposed video detection lead-in cable.
5. Use existing handhole. Remove existing loop detector lead-in cables.
6. Use existing conduit. Remove existing loop detector lead-in cables.
7. Use existing handhole. Remove existing loop detector lead-in cables. Install proposed video detection lead-in cable.
8. Use existing conduit. Remove existing loop detector lead-in cables. Install proposed video detection lead-in cable.
9. Use existing controller cabinet. Remove existing loop detector lead-in cables for phases 4 and 7. Install proposed video detection lead-in cable. Traffic Operations Division personnel will install and program video interface equipment upon completion of proposed work.

**Equipment List 'A'**  
Equipment to be supplied SHA and installed by the Contractor

Easylock Connector
Terra Interface Panel
Terra Access Point
Tip to Tap I/F Cable-BIU
Tip to Tap I/F Cable-Hardwire
Terra Field Ethernet Adapter

**Equipment List 'B'**  
Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY	DESCRIPTION
1002	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8019	1 EA	F & I VIDEO DETECTION CAMERA W/ 3 WIRE
8021	1 EA	REMOVE & DISPOSE OF EQUIPMENT

**Equipment List 'C'**  
Removed and Salvaged Items  
NONE

**GEOMETRIC LEGEND**

---	EXISTING
- - -	PROPOSED

**UTILITY LEGEND**

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

**APPROVALS**

TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

**REVISIONS**

NO.	DESCRIPTION	DATE
1	Install Video Detection	June 2012
2	ADD OPTICOM DETECTION ON NORTHBOUND AND SOUTHBOUND MD 24	11/11/12
3	REPLACED FAILED LOOP DETECTORS	11/11/12
4	CHANGE E/P L1 TO EXCLUSIVE ON MD 24	11/11/12
5	ADD E/P L1 PHASE TO EB&WB MD 7	11/11/12

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

**MD 7 (PHILADELPHIA RD) AND MD 24 (EMMORTON RD)**  
ABINGDON, MARYLAND

**TRAFFIC SIGNALIZATION PLAN**

SCALE: 1"=20' DATE: 4/11/12 CONTRACT NO. \_\_\_\_\_

DESIGNED BY: W. RICHARDSON COUNTY: HARFORD  
DRAWN BY: W. RICHARDSON LOGMILE: 12000704.52  
CHECKED BY: J. SPENCE T.I.M.S. NO.: L-572  
F.A.P. NO.: SEE TITLE SHEET TOD NO.: \_\_\_\_\_

TS NO. 447 DRAWING OF SHEET NO. 1 OF 1