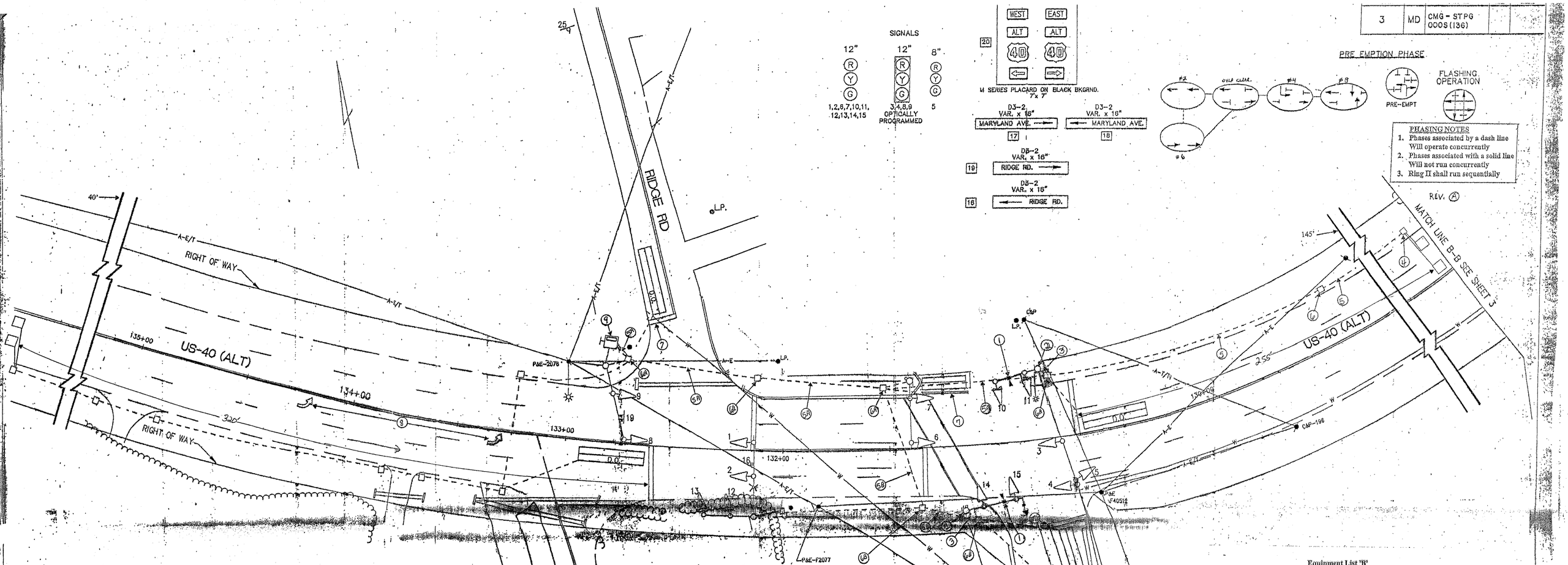
3	MD	CMG - STPG 0005(136)		



Location: Alt 40 and Ridge/Maryland
County: Frederick
SHA No.: 27861T10002

Construction Details

1. Use existing mastarm. Install proposed video detection camera and video detection lead-in cable.
2. Use existing upright. Install proposed video detection lead-in cable.
3. Use existing conduit. Install proposed video detection lead-in cable.
4. Use existing handhole. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables. Splice proposed loop detector lead-in cables to existing detector loop wires.
5. Use existing conduit. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables.

5a. Use existing conduit. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables and proposed video detection lead-in cable(s).

5b. Use existing conduit. Remove existing loop detector lead-in cables and install proposed video detection lead-in cable.

6. Use existing handhole. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables.

6a. Use existing handhole. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables and proposed video detection lead-in cable(s).

6b. Use existing handhole. Remove existing loop detector lead-in cables and install proposed video detection lead-in cable

7. Remove existing stop line and replace in accordance to SHA standards.
8. Remove existing pavement marking arrows and install in accordance to SHA standards.
9. Use existing controller cabinet. Remove existing loop detector lead-in cables for phase 2 and 8 and install proposed loop detector lead-in cables and proposed video detection lead-in cables. Install communication interface panel, TS-2 Mini-Hub cables, Industrial 56k modem and SDLC Cable. Traffic Operations Division personnel to install rack mounted detection system and install and program video detection system hardware and software upon completion of proposed detector work.

UTILITY LEGEND

TV	TV	CABLE TELEVISION
T	T	TELEPHONE CABLES
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
BC		BURIED CABLE
SD		STORM DRAIN

GEOMETRIC LEGEND

Equipment List 'A'

Equipment to be supplied by the S.H.A. and installed by the Contractor.

QUANTITY	DESCRIPTION
1	RETROFIT DETECTOR RACK
1	DETECTOR RACK POWER SUPPLY
3	4 CHANNEL AMPLIFIER

Equipment List 'C'

DESCRIPTION

NO REMOVAL AND SALVAGE ITEMS

Equipment List 'B'

Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5003	65	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5004	65	LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS - ANY WIDTH
5006	2	EA	HEAT APPLIED WHITE PERMANENT PERFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS
5007	2	EA	REMOVE EXISTING PAVEMENT MARKINGS - LETTERS,ARROWS,SYMBOLS, AND NUMBERS
8028	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8069	1120	LF	FURNISH AND INSTALL ELECTRIAL CABLE-2 CONDUCTOR (ALUMINUM SHIELDED)
8076-A	2	EA	F & I SOLOPRO CAMERA, MOUNTING BRACKET AND 500' CABLE
8077-A	1	EA	F & I SOLOPRO CONTROL EQUIPMENT - PER INTERSECTION

NOTE: All work associated with the phase 8 southbound (north leg) movement of this intersection shall be charged to SHA No.: 27861T10002. All remaining work shall be charged to SHA No.: 23854T25028

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
■	HANDHOLE	□
	LOOP DETECTOR(6X30)	
	LOOP DETECTOR(6X6)	
	CONDUIT	
	MICRO LOOP SNOW SET	
	[illegible]	

REVISIONS	APPROVALS
5-29-98 Revised Arrow Marking, New Test Grids Added	[illegible] DIST. SIGNAL DESIGN SECTION
10-9-98 [illegible]	[illegible] ASST. District Engineer, District
B Replace Failed Loop detectors 1/09/02	[illegible] CHIEF, TRAFFIC ENGINEERING DIVISION
[illegible]	2/11/13 DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION LOG FILE 100400027.23

US 40 ALT. AT MARYLAND AVENUE AND RIDGE ROAD

ORIGINAL DRAWN BY	J.E.H.		
DES. BY	S.T.A.		
CHK. BY	[illegible] 2/11/13	6-5-98	FREDERICK COUNTY
DATE:	APRIL, 1993	F.A.P. NO. CMG-STPG-0005(136)	IS/FILE NO. 3342 (A)
SCALE:	1" = 20'	S.H.A. NO. AW-456-459-785	SHEET NO. ___ OF ___