F H WA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.		1	1

Construction Details

1. Install 6' x 6' loop detector. (Note: 4 turns)
2. Install video detection camera on existing strain pole
3. Install 1" liquid tight flexible non-metallic conduit. (detector sleeve)
4. Use existing conduit. Remove existing phase 8 loop detector lead-in cable.
5. Use existing handhole. Remove existing phase 8 loop detector lead-in cable.
6. Use existing strain pole. Remove existing phase 8 loop detector lead-in cable.
7. Use existing span wire. Remove existing phase 8 loop detector lead-in cable.
8. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve(s). Splice proposed loop detector wires to existing loop detector lead-in cables.
9. Use existing span wire. Install proposed video detection lead-in cable.
10. Use existing controller cabinet. Remove existing phase 8 loop detector lead-in cable and install proposed video detection lead-in cable. Traffic Operations Division personnel to install / program video interface equipment and re-tune existing loop detector amplifiers upon completion of proposed detectors. Install galvanized riser to accommodate proposed phone drop
11. Remove existing stop line and replace stop line in accordance with SHA Standards.
12. Install stop line in accordance with SHA Standards.
13. Remove existing R10-12 sign.

SIGNS

11-14

LEFT TURN YIELD ON GREEN

R10-12 36"x42"

SIGNALS

OPTICOM DETECTOR EYE

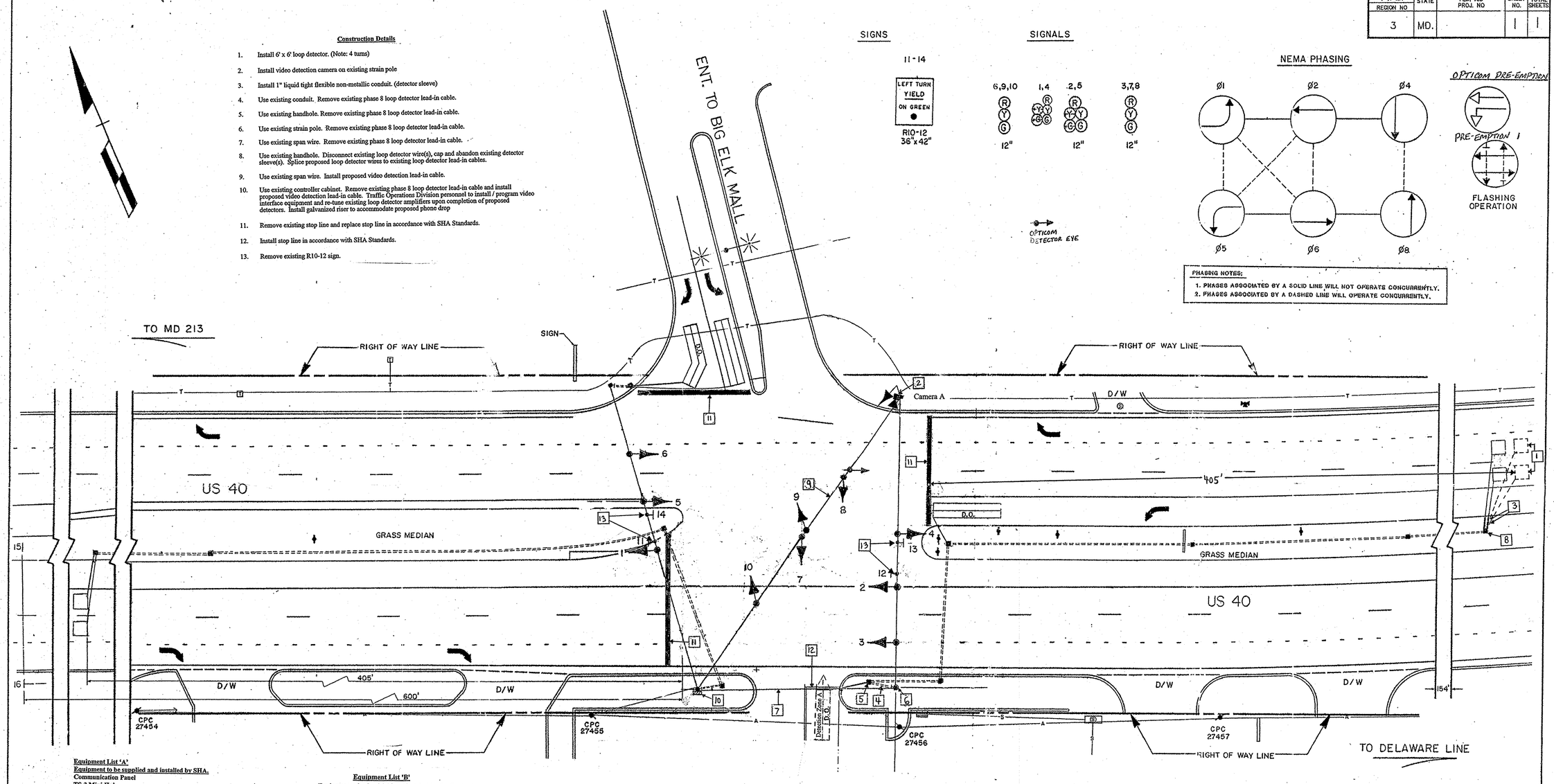
NEMA PHASING

OPTICOM PRE-EMPTION

FLASHING OPERATION

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.



Equipment List 'A'
Equipment to be supplied and installed by SHA.
Communication Panel
TS-2 Mini-Hub
TS-2 Mini-Hub Cables
Industrial 56k Modem
SDLC Cables

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

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5003	160	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5004	145	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
8018	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8029	35	LF	1 IN. ELECTRICAL CONDUIT- GALVANIZED RISER
8040	16	LF	1 IN. LIQUID TIGHT FLEXABLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8050	1	EA	VIDEO DETECTION CAMERA & CONTROLLER CABLES UP TO 500 LF
8062	400	LF	LOOP WIRE ENCASED IN FLEXABLE TUBING (NO.14 AWG)
8063	110	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

Equipment List 'C'
Removed and Salvaged Items

NONE

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE — A — A — A — A
ELECTRIC — E — E — E — E
TELEPHONE — T — T — T — T
GAS — G — G — G — G
SEWER — S — S — S — S
WATER — W — W — W — W
CABLE TV — TV — TV — TV — TV

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
	HANDHOLE	
	LOOP DETECTOR(6X6)	
	LOOP DETECTOR(6X6)	
	CONDUIT	
	MICRO LOOP PROBE SET	
	ZOOM LENS IMAGE SENSOR	

REVISIONS

C — 01/07 — Replace Failed Detection / Install Video Detection — OT-9007 — TIMS# I383

B — 10/00 — INSTALL OPTICOM PRE-EMPTION FOR W. I.S. NO. — TIMS # 5043

A — REDRAWN AND REVISED TO 6-PH FULL ACTUATED SIGNAL 11-23-88

APPROVALS

CHIEF, SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, BUREAU OF TRAFFIC ENGINEERING

DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC

ORIGINAL ON FILE

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION – OFFICE OF TRAFFIC
BUREAU OF TRAFFIC ENGINEERING

DRAWN BY W. RICHARDSON
DES. BY:
CHK. BY: S. RENZI
DATE: 3-10-87
SCALE: 1"=20'

F.A.P. NO.
S.H.A. NO. GEOMAE01PE10

US 40 AND ENTRANCE TO BIG ELK MALL

COUNTY: CECIL

TS/FILE NO. TS-2296C

SHEET NO. 1 OF 1

07004015.54