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

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION	
9000	1 EA	D-PANEL w/ HARNESS	
9000	1 EA	RETROFIT RACK	THESE ITEMS TO BE CHARGED TO THE STATEWIDE DETECTOR UPGRADE PROGRAM.
9002	3 EA	AMPLIFIER DETECTOR 4-CH RACK MNT.	
9004	1 EA	DETECTOR POWER SUPPLY	

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	QUANTITY	ITEM DESCRIPTION
8012	1 EA	FURNISH AND INSTALL 3M OPTICOM # 721 DETECTOR EYE.
8014	1 EA	FURNISH AND INSTALL 3M OPTICOM # 762 DISCRIMINATOR MODULE.
8037	170 LF	FURNISH AND INSTALL 4-CONDUCTOR OPTICOM DETECTOR CABLE.

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM PRE-EMPTION FOR WESTBOUND EMERGENCY VEHICLES.

CONSTRUCTION DETAILS

A. INSTALL OPTICOM DETECTOR EYE ON EXISTING SPAN WIRE
B. INSTALL RETROFIT RACK, 4-CHANNEL AMPLIFIERS, DISCRIMINATOR MODULE AND DETECTOR POWER SUPPLY.
C. USE EXISTING SPAN WIRE.

SIGNS

TEMPORARY SIGN
W3-3 NEW
48"x 48"

SIGNALS

NOTE: SIGNAL NO.10 TO BE RELOCATED ON SPAN AS SHOWN

OPTICOM DETECTOR EYE

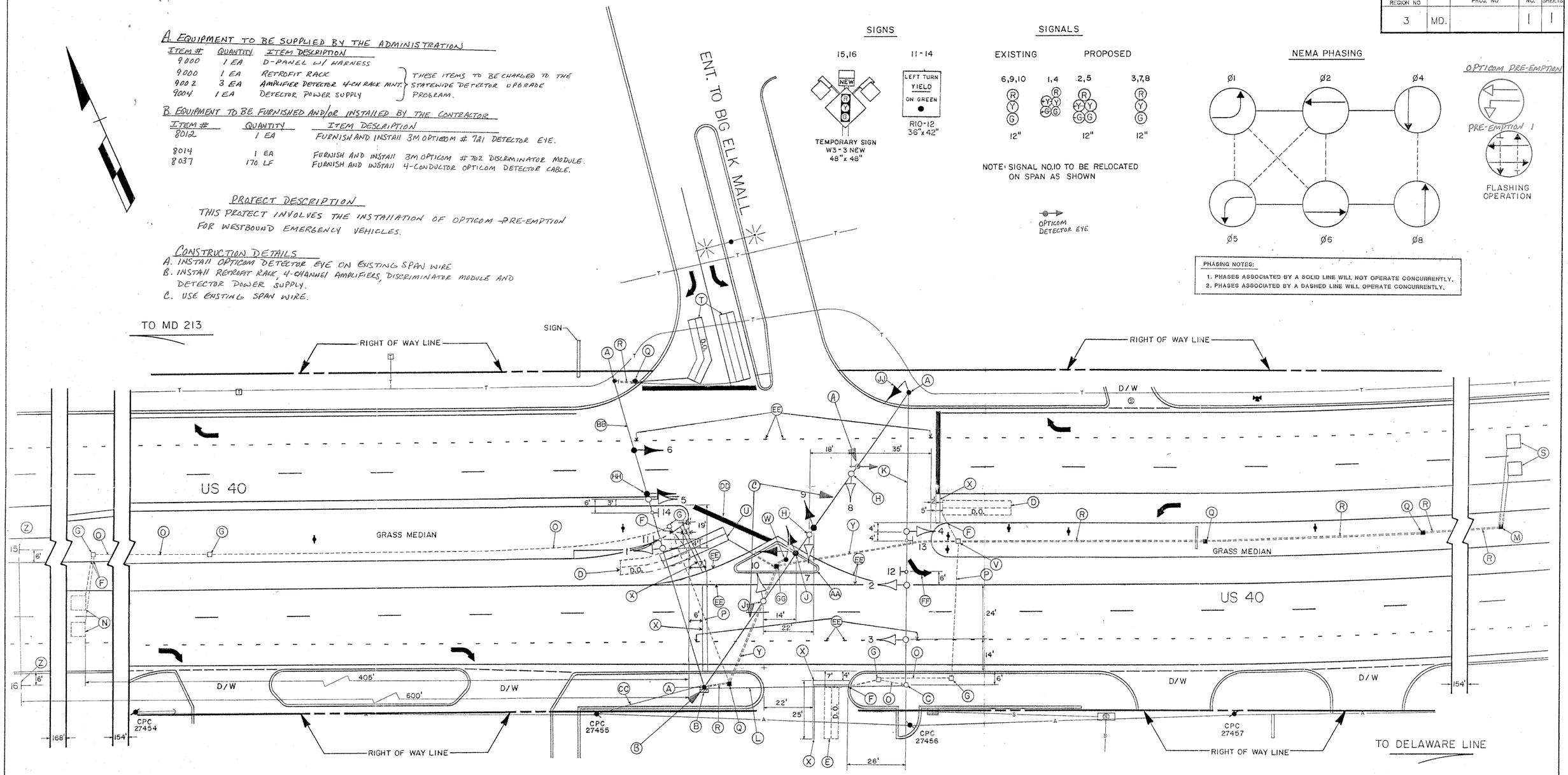
NEMA PHASING

PHASING NOTES:

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

OPTICOM PRE-EMPTION

FLASHING OPERATION



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

GENERAL NOTES:

1. Pavement markings detailed are proposed and are to be installed by the contractor in accordance with S.H.A. standards.
2. "D.O." indicates a delay-output loop detector.
3. The loop detectors and conduit are to be installed prior to the installation of pavement markings.
4. This is a revision to the existing traffic control signal built in 1987 under Contract No. CE-698-509-285.

STREET TRAFFIC STUDIES, LTD.
Gateway International
1302 Concourse Drive, Suite 104
Linthicum, Maryland 21090
(301) 859-3553

REVISIONS

B 10/00 INSTALL OPTICOM PRE-EMPTION FOR WB US 40. TMS #5063
A REDRAWN AND REVISED TO 6-PH FULL ACTUATED SIGNAL 11-25-88

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

US 40 AND ENTRANCE TO BIG ELK MALL

COUNTY: CECIL

DATE: 3-10-87
SCALE: 1"=20'
F.A.P. NO.
S.H.A. NO. CE-698-DA-561-R-5-0
TS/FILE NO. TS-2296A
SHEET NO. 1 OF 1

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