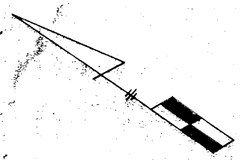
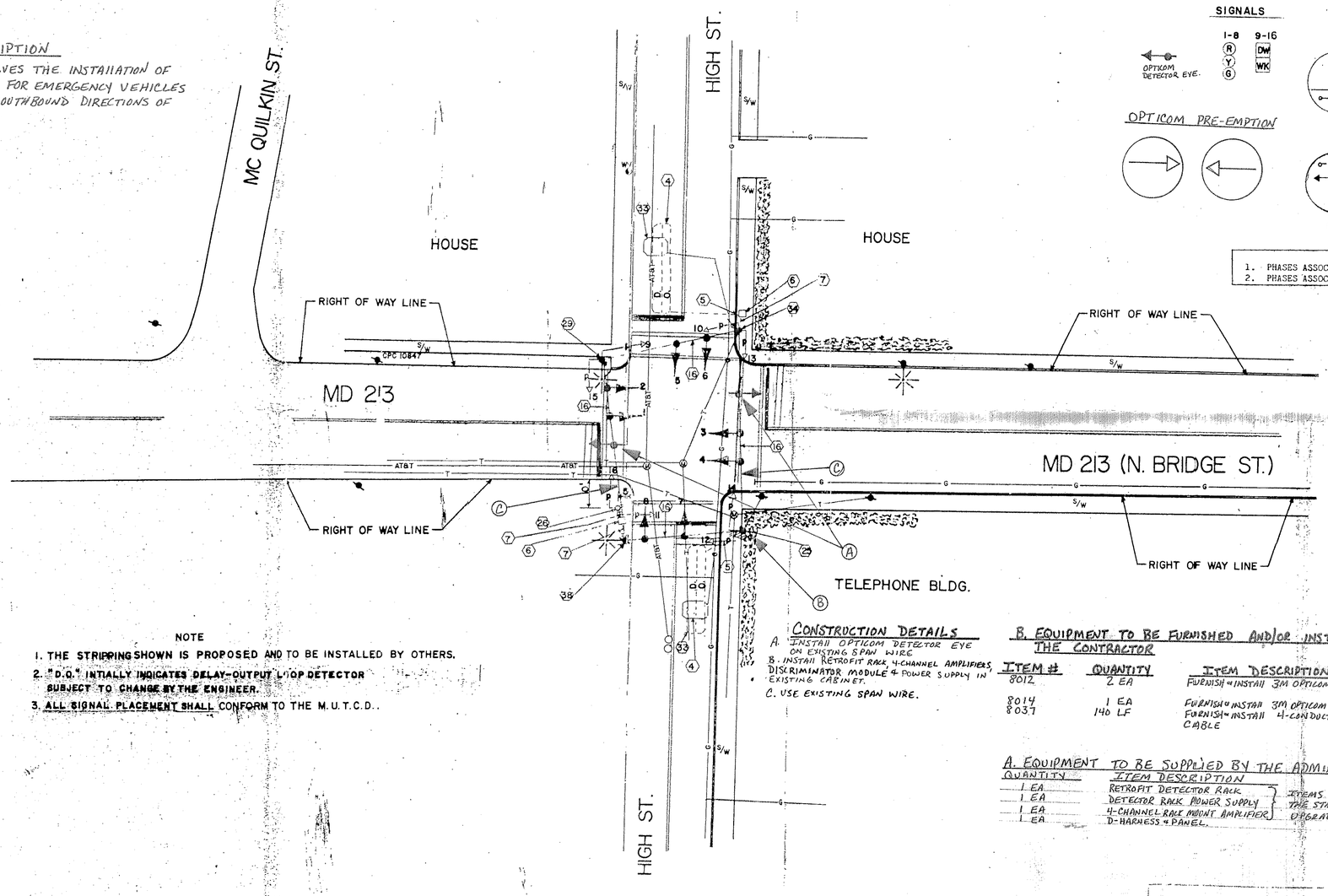
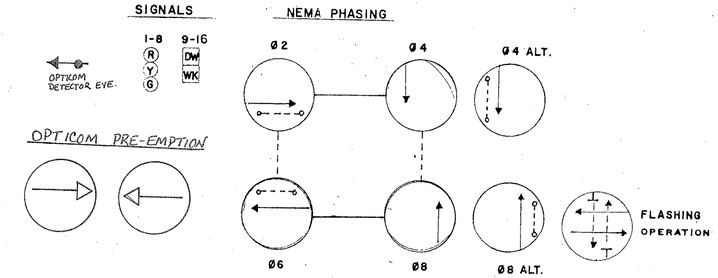
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	N/A	6	11



PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM PRE-EMPTION FOR EMERGENCY VEHICLES FOR THE NORTH AND SOUTHBOUND DIRECTIONS OF MD 213.





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

NOTE
1. THE STRIPPING SHOWN IS PROPOSED AND TO BE INSTALLED BY OTHERS.
2. "D.O." INTIALLY INDICATES DELAY-OUTPUT LOOP DETECTOR SUBJECT TO CHANGE BY THE ENGINEER.
3. ALL SIGNAL PLACEMENT SHALL CONFORM TO THE M.U.T.C.D..

CONSTRUCTION DETAILS

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

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

ITEM #	QUANTITY	ITEM DESCRIPTION
8012	2 EA	FURNISH & INSTALL 3M OPTICOM #721 DETECTOR EYE.
8014	1 EA	FURNISH & INSTALL 3M OPTICOM #762 DISCRIMINATOR MODULE
8037	140 LF	FURNISH & INSTALL 4-CONDUCTOR OPTICOM DETECTOR CABLE

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

QUANTITY	ITEM DESCRIPTION
1 EA	RETROFIT DETECTOR RACK
1 EA	DETECTOR RACK POWER SUPPLY
1 EA	4-CHANNEL RACK MOUNT AMPLIFIER
1 EA	D-HARNESS & PANEL.

ITEMS TO BE CHARGED TO THE STATEWIDE DETECTOR UPGRADE PROGRAM.

LEGEND OF UNDERGROUND UTILITIES

C	CASTMAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
T	TELEPHONE CABLES

APPROVAL: REGIONAL TRAFFIC ENGINEER

APPROVAL: CHIEF-BUREAU OF TRAFFIC ENGINEERING

APPROVAL: ASS'T. CHIEF ENGINEER TRAFFIC

(D) INSTALL OPTICOM PREEMPTION FOR NB & SB MD 213.
10/00 TIMS # E063
CTS [illegible] SRK 7/4/09

© 4/86
REPLACE SIGNALS, LOOPS, AND CABLE.
CONTRACT NO. CE-614-501-285
[illegible] TH

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

TRAFFIC DIVISION – BUREAU OF TRAFFIC ENGINEERING

MD 213 (N. BRIDGE ST.) & HIGH ST.

SCALE 1" = 20' DATE 10-29-69 CONTRACT NO. CE990456185

DRAWN BY: L.T. H. KILIAN COUNTY: CECIL

DESIGNED BY: L.T. SIGNAL NO.: 07020