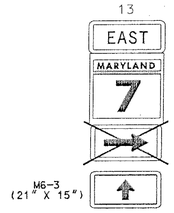
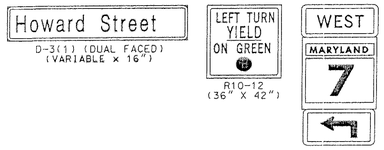
MD 213 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

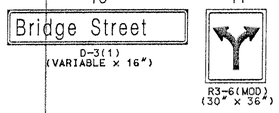
EXISTING SIGN TO MODIFIED



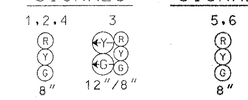
EXISTING SIGNS TO REMAIN



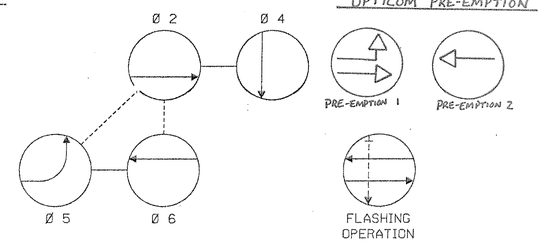
PROPOSED SIGNS



EXISTING SIGNALS



PROPOSED SIGNALS



PHASING NOTES:

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

PROJECT DESCRIPTION

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

CONSTRUCTION DETAILS

A. INSTALL SIGNAL HEADS AND SIGN ON SPAN WIRE AS NOTED.
B. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
C. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
D. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE (STOP LINE).
E. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER. REMOVE EXISTING BLIND COUPLING AND REPLACE WITH 3 IN. BLIND COUPLING.
F. USE EXISTING HANDHOLE.
G. USE EXISTING CONDUIT.
H. INSTALL SIGN ON STRAIN POLE AS NOTED.

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION
9000	1 EA	D-PANEL W/ HARNESS
9002	1 EA	DETECTOR RACK RETROFIT
9002	1 EA	DETECTOR AMPLIFIER 4-CH RACK MT
9004	1 EA	DETECTOR RACK POWER SUPPLY

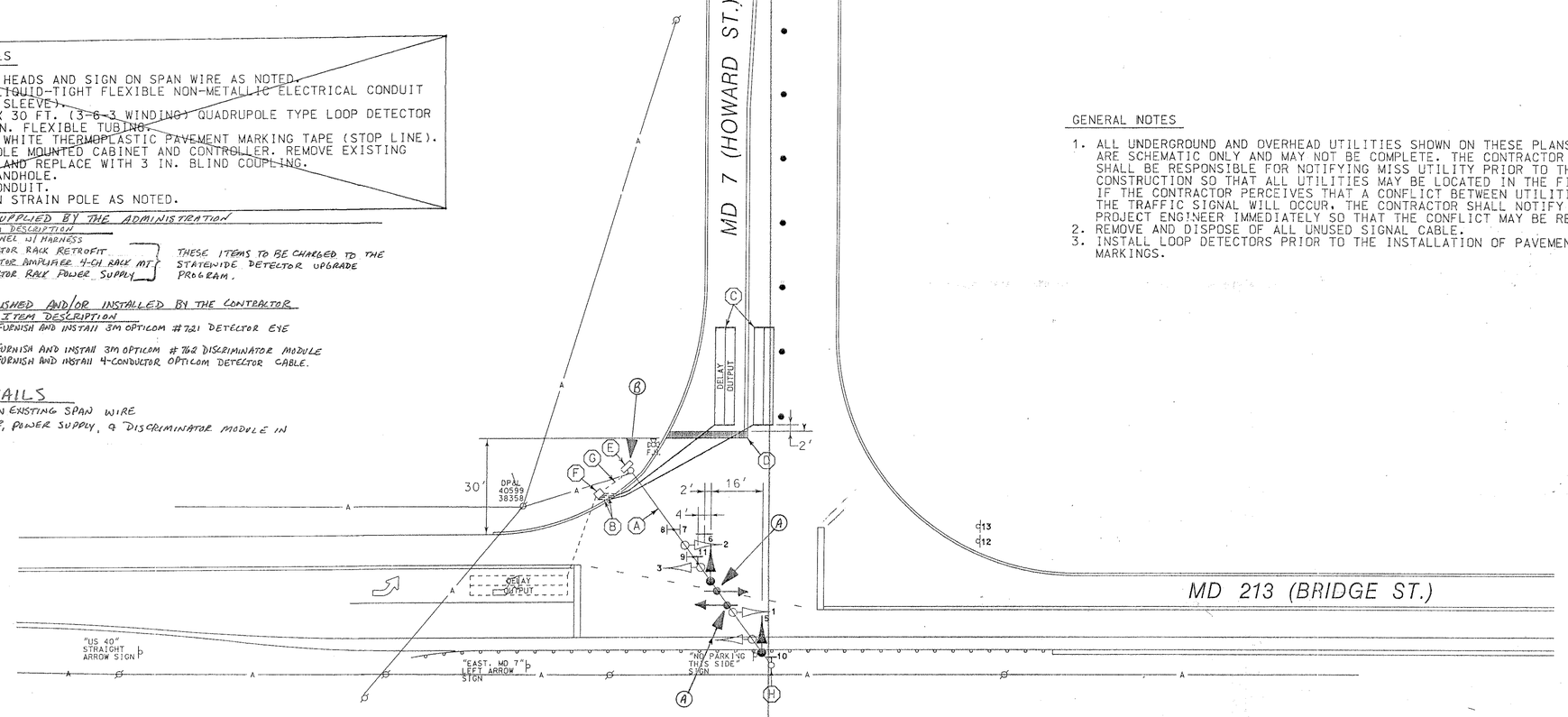
THESE ITEMS TO BE CHARGED TO THE STATEWIDE DETECTOR UPGRADE PROGRAM.

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

ITEM #	QUANTITY	ITEM DESCRIPTION
8012	2 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.

CONSTRUCTION DETAILS

A. INSTALL OPTICOM DETECTOR ON EXISTING SPAN WIRE
B. INSTALL RETROFIT RACK, AMPLIFIER, POWER SUPPLY, & DISCRIMINATOR MODULE IN EXISTING CABINET.



GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
3. INSTALL LOOP DETECTORS PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

WR&A
Whitman, Requardt and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS

C	INSTALL OPTICOM DETECTION FOR NB 58 MD 213	10/00
B	ADD SIGNAL HEADS FOR WB HOWARD STREET	3/26/99
A	REPLACE SIGNALS, LOOPS AND CABLE	4/86

APPROVALS

ORIGINAL ON FILE

ASST. TRAFFIC ENGINEERING DESIGN DIVISION
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 213 (BRIDGE ST.) AND MD 7 (HOWARD ST.)
ELKTON, MARYLAND

DRAWN BY: J.S.KILLIAN	F.A.P. NO.	TS NO. TS-56B	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE: 1"= 20'	COUNTY: CECIL	T.I.M.S. NO.	2 OF 10
DATE: 10/69	LOG MILE: 07021318.35		

M:\96011\31200T02.DGN