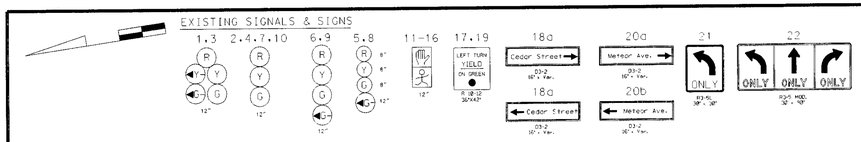
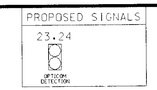
EXISTING SIGNALS & SIGNS



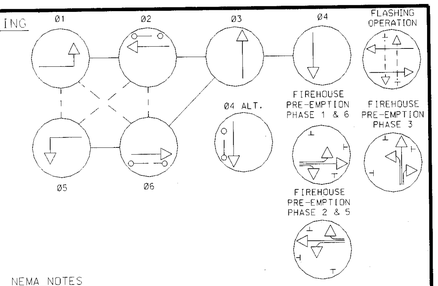
PROPOSED SIGNALS



CONSTRUCTION DETAILS

1. INSTALL OPTICOM DETECTOR EYE ON EXISTING MAST ARM.
2. USE EXISTING CONDUIT.
3. USE EXISTING HANDHOLE.

NEMA PHASING



NEMA NOTES

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

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11-14	15-16
PHASE 1 & 5	◄G-R	R	◄G-R	R	R	R	R	R	R	R	DW	DW
1 & 5 CHANGE	THE CONTROLLER MAY CHANGE TO PHASES 1 & 6, 2 & 5, OR 2 & 6											
PHASE 1 & 6	◄G-G	G	R	R	R	R	R	R	R	R	DW	DW
1 CHANGE	◄Y-G	G	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 & 5	R	R	◄G-G	G	R	R	R	R	R	R	DW	DW
5 CHANGE	R	R	◄Y-G	G	Y	R	R	R	R	R	DW	DW
PHASE 2 & 6	G	G	G	G	R	R	R	R	R	R	WK	DW
PED. CLEAR	G	G	G	Y	R	R	R	R	R	R	FL/DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 3	R	R	R	R	R	R	R	◄G-G	◄G-G	G	DW	DW
3 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	DW	DW
PHASE 4	R	R	R	R	◄G-G	◄G-G	G	R	R	R	DW	DW
4 CHANGE	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
4 ALT.	R	R	R	R	◄G-G	◄G-G	G	R	R	R	DW	WK
PED. CLEAR	R	R	R	R	◄G-G	◄G-G	G	R	R	R	DW	FL/DW
4 ALT.CHANGE	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

FIRE HOUSE PRE-EMPTION - PHASE 1 & 6

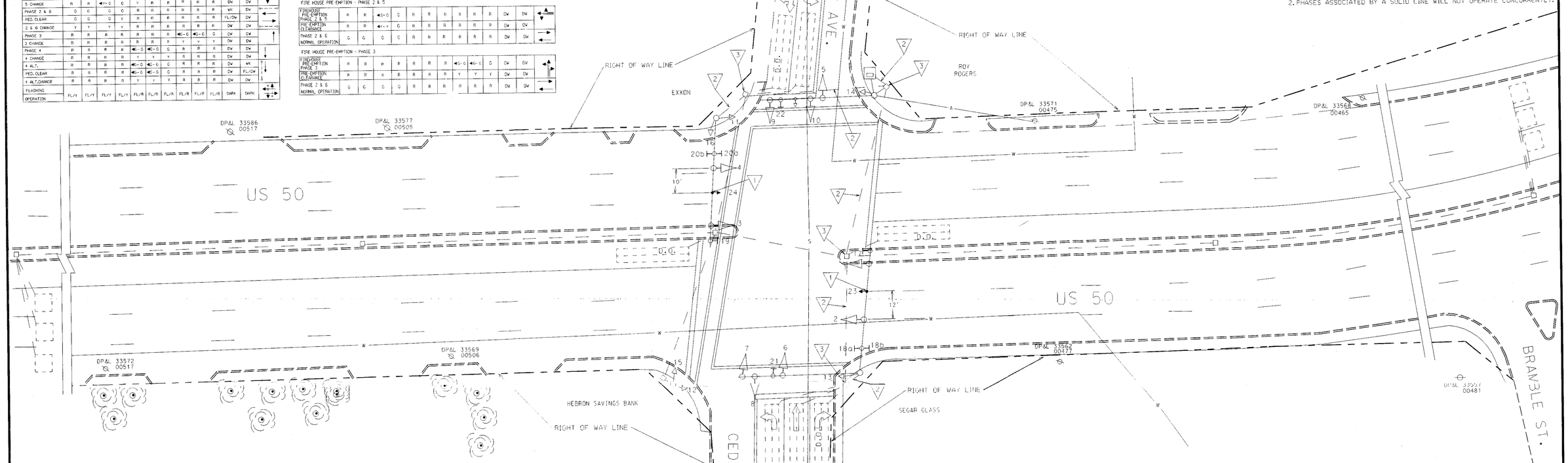
	1	2	3	4	5	6	7	8	9	10	11-14	15-16
FIREHOUSE PRE-EMPTION PHASE 1 & 6	◄G-G	G	R	R	R	R	R	R	R	R	DW	DW
PRE-EMPTION CLEARANCE	◄Y-Y	G	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 & 6 NORMAL OPERATION	G	G	G	G	R	R	R	R	R	R	DW	DW

FIRE HOUSE PRE-EMPTION - PHASE 2 & 5

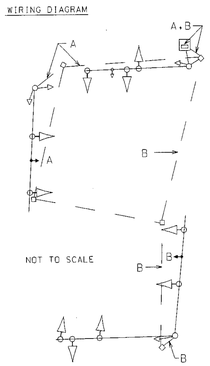
	1	2	3	4	5	6	7	8	9	10	11-14	15-16
FIREHOUSE PRE-EMPTION PHASE 2 & 5	R	R	◄G-G	G	R	R	R	R	R	R	DW	DW
PRE-EMPTION CLEARANCE	R	R	◄Y-Y	G	R	R	R	R	R	R	DW	DW
PHASE 2 & 6 NORMAL OPERATION	G	G	G	G	R	R	R	R	R	R	DW	DW

FIRE HOUSE PRE-EMPTION - PHASE 3

	1	2	3	4	5	6	7	8	9	10	11-14	15-16
FIREHOUSE PRE-EMPTION PHASE 3	R	R	R	R	R	R	R	◄G-G	◄G-G	G	DW	DW
PRE-EMPTION CLEARANCE	R	R	R	R	R	R	R	Y	Y	Y	DW	DW
PHASE 3 & 6 NORMAL OPERATION	G	G	G	G	R	R	R	R	R	R	DW	DW



WIRING DIAGRAM



A-B = 4-CONDUCTOR OPTICOM DETECTOR CABLE

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

ITEM NO.	QUANTITY	DESCRIPTION
8012	2 EACH	F & I 3M OPTICOM #521 DETECTOR EYE
8014	1 EACH	F & I 3M OPTICOM #562 DISCRIMINATOR MODULE
8037	390 L.F.	F & I 4-CONDUCTOR OPTICOM DETECTOR CABLE

UTILITY LEGEND

—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES

REVISIONS

G. 03/98 -MODIFIED SIGNAL DUE TO PROPOSED DRAINAGE IMPROVEMENTS SHA NO. D05605183
JJ | DJD | DAZ | RAK | JJ

F. 01/98 - ADDED OPTICOM DETECTOR EYE ON EXIST. MAST ARM ON METEOR AVE.: SHA NO. AW2765185
WM | DJD | DAZ | RAK

E. REPLACE 6'X30' LOOP DETECTORS BOTH DIRECTIONS OF US 50 — 5/95
MEL

D. 08/1998 - ADDED FIREHOUSE PRE-EMPTION ON E/B & W/B US 50
SHA NO. AW2765185
DJD | DAZ | RAK | THH

APPROVALS

ORIGINAL
ASST. DISTRICT CHIEF, TEOD.
ASST. DISTRICT ENGINEER, TRAFFIC
ON
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
FILE
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

US 50 AND CEDAR ST./METEOR AVENUE
CAMBRIDGE, MARYLAND

LOG MILE NO. 09005001.37

DRAWN BY: ____
DES. BY: ____
CHECK BY: ____
SCALE: 1" = 20'

F.A.P. NO.: ____
S.H.A. NO.: AW277A5T/B5T
COUNTY: DORCHESTER

PLAN SHEET NO. TS-336

SHEET NO. 1 OF 1

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