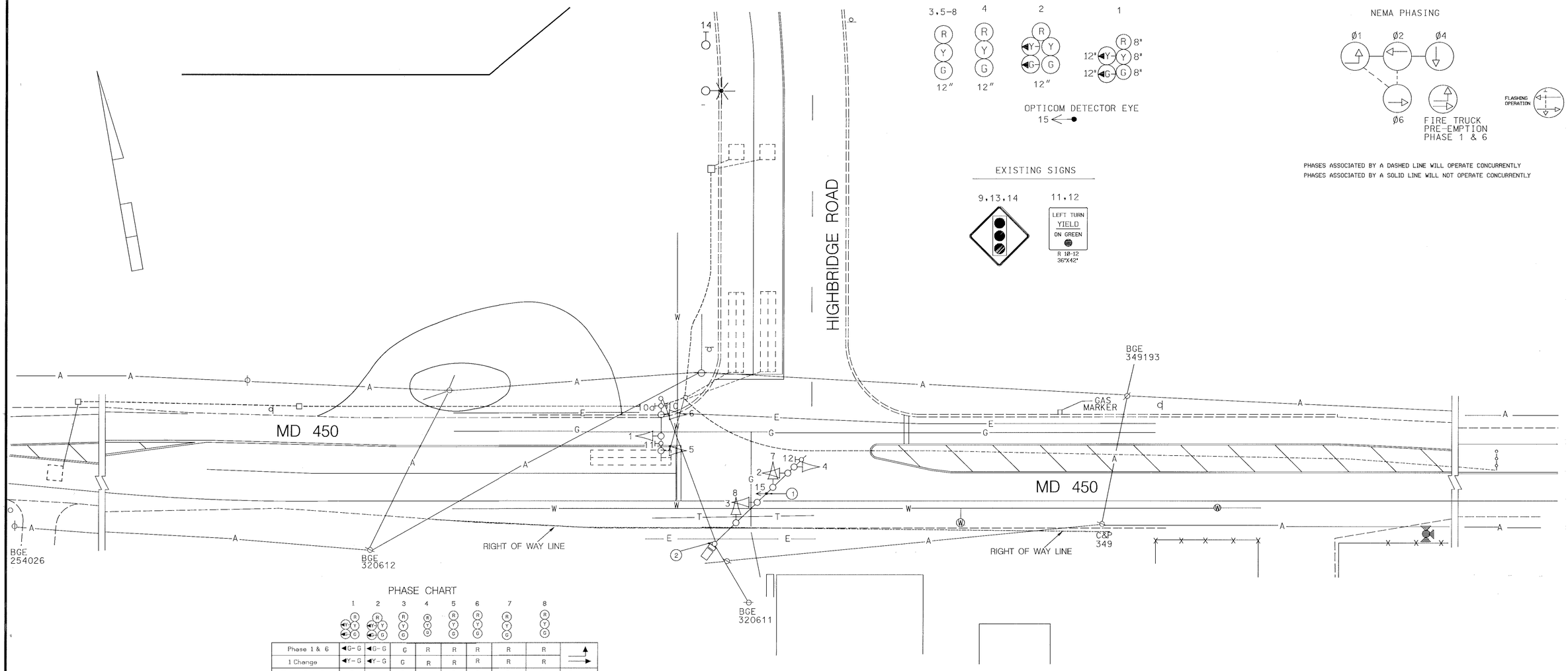


EXISTING SIGNALS

NEMA PHASING

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

EXISTING SIGNS

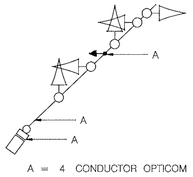
PHASE CHART

	1	2	3	4	5	6	7	8
Phase 1 & 6	◀G-G	◀G-G	G	R	R	R	R	R
1 Change	◀Y-G	◀Y-G	G	R	R	R	R	R
Phase 2 & 6	G	G	G	G	G	G	R	R
2 & 6 Change	Y	Y	Y	Y	Y	Y	R	R
Phase 4	R	R	R	R	R	R	G	G
4 Change	R	R	R	R	R	R	Y	Y
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

FIRE HOUSE PRE-EMPTION

Firehouse Pre-Emption Phase 1& 6	◀G-G	◀G-G	G	R	R	R	R	R
Pre-Emption Clearance	◀Y-G	◀Y-G	G	R	R	R	R	R
Phase 2 & 6 Normal Operation	G	G	G	G	G	G	R	R

WIRING DIAGRAM



A = 4 CONDUCTOR OPTICOM DETECTOR CABLE

CONSTRUCTION DETAILS

1. INSTALL OPTICOM DETECTOR EYE ON EXISTING MAST ARM.
2. USE EXISTING POLE MOUNTED CABINET.

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

ITEM NO.	QUANTITY	DESCRIPTION
8012	1 EACH	F & I 3M OPTICOM #521 DETECTOR EYE
8014	1 EACH	F & I 3M OPTICOM #562 DISCRIMINATOR MODULE
8013	1 EACH	F & I 3M OPTICOM #560 CARD RACK
8037	275 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	APPROVALS
A 12/5/91 CONVERT TO FULLY ACUATED SIGNAL	ORIGINAL
B 6/98 INSTALL OPTICOM DETECTOR EYE WB MD 450	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
DBT	ON
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	FILE
	DIRECTOR, TRAFFIC & SAFETY

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

MD 450 AND HIGHBRIDGE ROAD

DRAWN BY:	BRUCE THOMPSON	F.A.P. NO.		TS NO. 3193	SHEET NO. OF
CHECKED BY:		S.H.A. NO.	P-952-459-385		
SCALE:	1" = 20'	COUNTY:	PRINCE GEORGE'S	T.I.M.S. NO. C-778	
DATE:	291	LOG MILE:	16045010.52		

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