PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF EMERGECY SERVICES (TRAFFIC SIGNAL PRE-EMPTION - OPTICOM) AT THE INTERSECTION OF MD 53 (WINCHESTER ROAD) AND MD 658 (VOCKE ROAD) IN LAVALE, ALLEGANY COUNTY. MD 53 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

EQUIPMENT LIST A

EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NOS.	QUANTITY	SPEC. SECTION	DESCRIPTION
9000	1 EACH	820	"D" Panel with harness.
			Sheet Aluminum Signs to consist of:
9089	22.5 S.F.	813	- 2 Each R3-6L sign (30"x36") mast arm mount.
			- 1 Each R3-51 sign (30"x36") mast arm mount.

EQUIPMENT LIST B

EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NOS.	QUANTITY	SPEC. SECTION	DESCRIPTION
8012	1 EACH	820	Furnish and install 3M opticom #721 detector eye.
8013	1 EACH	820	Furnish and install 3M opticom #760 card rack.
8014	1 EACH	820	Furnish and install 3M opticom #762 discrimination module.
8037	130 L.F.	820	Furnish and install 4-conductor opticom detector cable.
5002	140 L.F.	104	Furnish and install 5" white heat applied permanent preformed thermoplastic pavement markings.
5004	145 L.F.	104	Furnish and install 24" white heat applied permanent preformed thermoplastic pavement markings.
5006	4 EACH	104	Furnish and install heat applied permanent preformed thermoplastic pavement marking arrow.
5007	215 L.F.	104	Remove existing pavement marking - any width.
5008	2 EACH	104	Remove existing pavement marking arrow.
8053	22.5 S.F.	813	Install overhead sheet aluminum sign.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

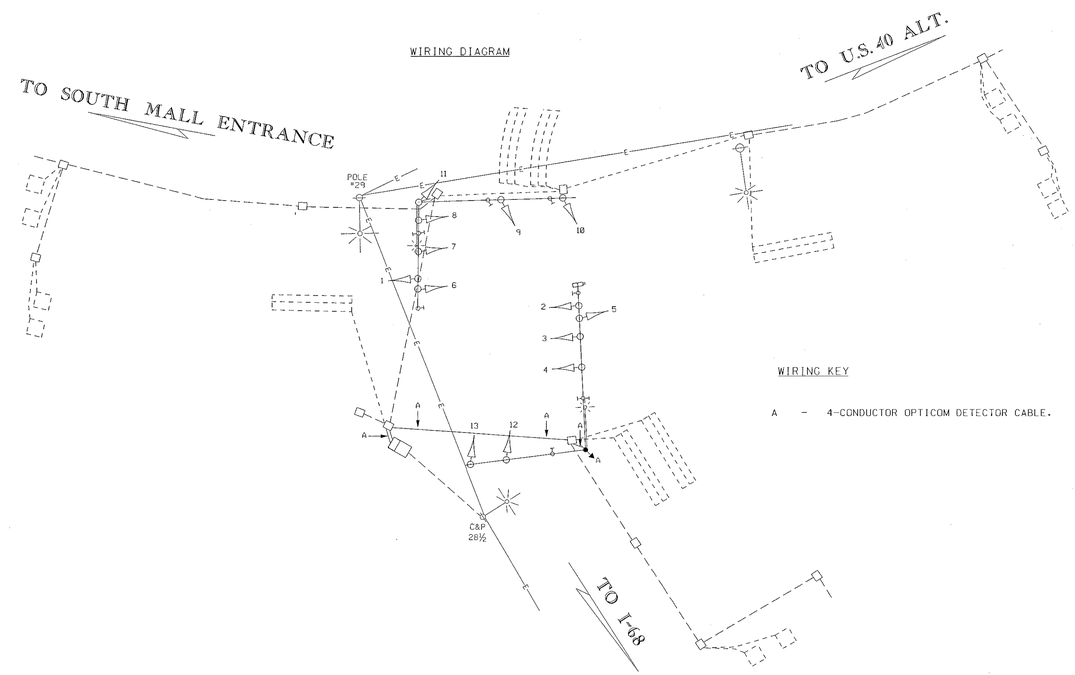
PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13
Phase 1 & 5	◄G-	◄G-	R	R	◄G-	◄G-	R	R	R	R	R	R	R
1 & 5 change	THIS PHASE MAY SKIP TO PHASE 1+6, 2+5 OR 2+6												
Phase 1 & 6	◄G-	◄G-	G	G	◄R-	◄R-	R	R	R	R	R	R	R
1 & 6 change	◄Y-	◄Y-	Y	Y	◄R-	◄R-	R	R	R	R	R	R	R
Phase 2 & 5	◄R-	◄R-	R	R	◄G-	◄G-	G	G	R	R	R	R	R
2 & 5 change	◄R-	◄R-	R	R	◄Y-	◄Y-	Y	Y	R	R	R	R	R
Phase 2 & 6	◄R-	◄R-	G	G	◄R-	◄R-	G	G	R	R	R	R	R
2 & 6 change	◄R-	◄R-	Y	Y	◄R-	◄R-	Y	Y	R	R	R	R	R
Phase 3	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄G- / G	G	R	R	R
3 change	◄R-	◄R-	R	R	◄R-	◄R-	R	R	Y	Y	R	R	R
Phase 4	◄R-	◄R-	R	R	◄R-	◄R-	R	R	R	R	G	◄G- / G	G
4 change	◄R-	◄R-	R	R	◄R-	◄R-	R	R	R	R	Y	Y	Y
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R

FIREHOUSE PRE-EMPTION

Pre-emption Phase 3	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄G- / G	G	R	R	R
Pre-emption Clearance	◄R-	◄R-	R	R	◄R-	◄R-	R	R	Y	Y	R	R	R
Normal Operation Phase 2 & 6	◄R-	◄R-	G	G	◄R-	◄R-	G	G	R	R	R	R	R

WIRING DIAGRAM



WIRING KEY

A - 4-CONDUCTOR OPTICOM DETECTOR CABLE.

REVISIONS	APPROVALS
(B) Add Emergency Services Signal Pre-emption (Opticom) for Southbound MD 658 May 2000 SHA No.: XX1005785 — MK	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
(A) Reconstruct Traffic Signal and Interconnect April 1998 — MR DAZ BRK TH	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 53 (WINCHESTER ROAD) & MD 658 (VOCKE ROAD) - GENERAL INFORMATION

DRAWN BY:	S.A.	F.A.P. NO.		TS NO. TS-94 B	SHEET NO.
CHECKED BY:	R.D.	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	ALLEGANY	T.I.M.S. NO. D-823	6 OF 8
DATE:	APRIL 1998	LOG MILE:	01005300.63		