PROJECT DESCRIPTION

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THIS PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION HARDWARE AND NON-INVASIVE LOOP DETECTORS AT THE INTERSECTION OF MD 658 (VOCKE ROAD) AND LINDA WAY FOR THE RESURFACING OF MD 658 IN LAVALE, ALLEGANY COUNTY. MD 658 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION SHALL OPERATE AT ITS EXISTING NEMA FOUR-PHASE FULL TRAFFIC ACTUATED MODE.

THE SIGNAL SHALL BE INTERCONNECTED TO THE CONTROLLERS AT THE SIGNALIZED INTERSECTIONS OF MD 53/MD 658 TO THE SOUTH AND MD 658/I-68 TO THE NORTH.

CONTROLLER REQUIREMENTS

INSTALL A VIDEO DETECTOR SYSTEM INTO EXISTING BASE MOUNTED CABINET.

THE PRESENCE AND SAMPLING DETECTION REGIONS SHALL BE MONITORED/ACTUATED WITH VIDEO-DETECTION CAMERAS. THE ADVANCED DETECTION REGIONS SHALL BE MONITORED/ACTUATED WITH NON-INVASIVE LOOP DETECTORS.

PROJECT CONTACTS

CONTACTS FOR DISTRICT 6

MR. GEORGE SMALL
ASSISTANT DISTRICT ENGINEER, TRAFFIC
301-729-8444

MR. GEORGE FRANKENBURY
ASSISTANT DISTRICT ENGINEER, MAINTENANCE
301-729-8457

MR. BOB ROWAN
UTILITIES ENGINEER
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CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
CHIEF, SIGN OPERATIONS
410-787-7676

MR. MIKE STOCKER
SIGNAL SHOP WAREHOUSE
410-787-7696

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

SPECIFICATION NUMBER	QUANTITY	DESCRIPTION
900000	1 EA	VIDEO INTERFACE EQUIPMENT (1 TO 4 CAMERAS)

EQUIPMENT LIST 'B'

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

SPECIFICATION NUMBER	QUANTITY	DESCRIPTION
585416	130 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
802145	2 EA	ADJUST EXISTING HANDHOLE
805150	110 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED
810601	5 EA	NON-INVASIVE DETECTOR, 500 FT LEAD IN CABLE
811001	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
811002	1 EA	REMOVE ELECTRICAL HANDHOLE
816001	4 EA	VIDEO DETECTION CAMERA
816005	2 EA	CONTROL CABLE, 250 FT, VIDEO DETECTION CAMERA TO CONTROLLER
816010	2 EA	CONTROL CABLE, 500 FT, VIDEO DETECTION CAMERA TO CONTROLLER

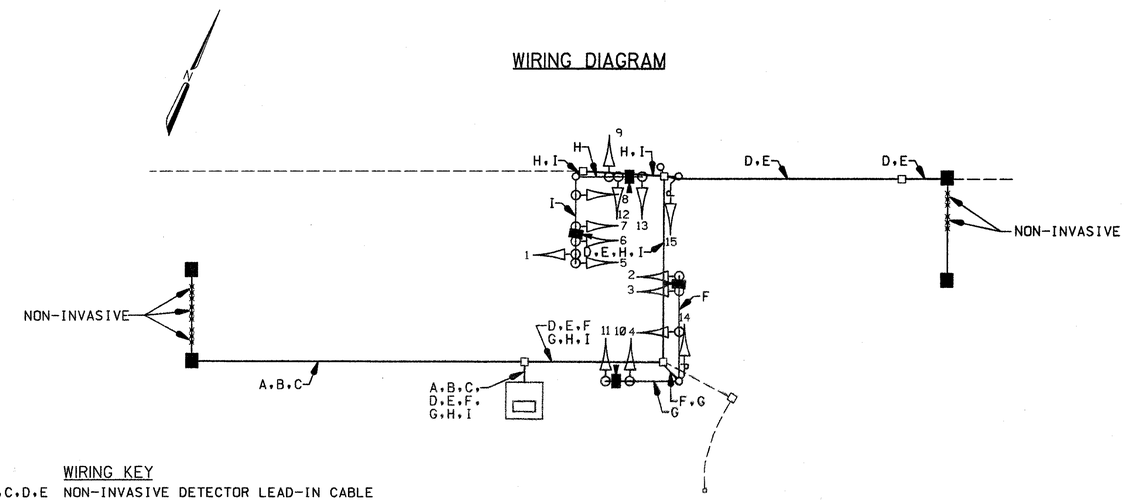
EQUIPMENT LIST 'C'

NONE

EQUIPMENT LIST 'D'

NONE

WIRING DIAGRAM



WIRING KEY

A,B,C,D,E	NON-INVASIVE DETECTOR LEAD-IN CABLE
F,G,H,I	VIDEO DETECTION CONTROL CABLE
ML	NON-INVASIVE MICRO-LOOP

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Phase 1 & 5	◄G-	◄G-	R	R	◄G-	◄G-	G	G	R	R	R	R	R	DW	DW
1 & 5 change	1 & 5 MAY CHANGE TO PHASE 1 & 6, PHASE 2 & 5, OR PHASE 2 & 6														
Phase 1 & 6	R	R	R	R	◄G-	◄G-	G	G	R	R	R	R	R	DW	DW
1 & 6 change	R	R	R	R	◄Y-	◄Y-	Y	Y	R	R	R	R	R	DW	DW
Phase 2 & 5	◄G-	◄G-	G	G	R	R	R	R	R	R	R	R	R	DW	DW
2 & 5 change	2 & 5 MAY CHANGE TO PHASE 1 & 5, PHASE 1 & 6, OR PHASE 2 & 6														
Phase 2 & 6	R	R	G	G	R	R	R	R	R	R	R	R	R	DW	DW
2 & 6 change	R	R	Y	Y	R	R	R	R	R	R	R	R	R	DW	DW
Phase 3 & 7	R	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW
3 & 7 change	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW
Phase 3 Alt.	R	R	R	R	R	R	R	R	R	R	R	R	R	WK	WK
Ped. clearance	R	R	R	R	R	R	R	R	R	R	R	R	R	FL/DW	FL/DW
3 Alt. change	R	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW
Flashing Operation	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

SG-06

REVISION B CONSULTANT

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CIVIL AND STRUCTURAL ENGINEERS
110 West Road
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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 658 (VOCKE ROAD) & LINDA WAY
GENERAL INFORMATION

DRAWN BY: JWG	F.A.P. NO.		TS NO. 1760 B	SHEET NO.
CHECKED BY: BRW	S.H.A. NO.	BW-499-801-612		
SCALE: NOT TO SCALE	COUNTY:	ALLEGANY	T.I.M.S. NO. G187	25 OF 37
DATE: 11-3-79	LOG MILE:			

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