PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A NORTH BOUND EXCLUSIVE PERMISIVE LEFT TURN PHASE AND THE REPLACEMENT OF LOOP DETECTORS ON MD 212

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS

MR. CHARLIE WATKINS
DISTRICT ENGINEER
301-513-7300

MR. MAJIB SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
301-513-7358

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
301-513-7350

MR. RANDY BROWN
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-513-7304

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

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

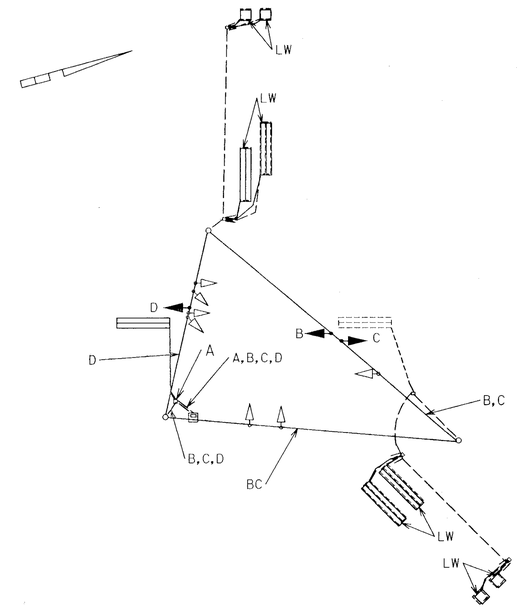
MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7676

MR. DAVE SCHWARTZ
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

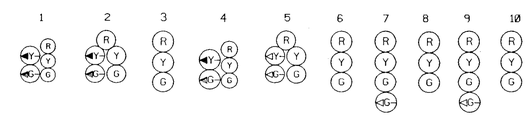
WIRING DIAGRAM



A — 2 CONDUCTOR ELECTRICAL CABLE (ALLUMINUM SHIELDED), # 14 A.W.G.

B, C — 7 CONDUCTOR ELECTRICAL CABLE # 14 A.W.G.

LW — LOOP WIRE # 14 A.W.G. ENCASED IN 1/4 INCH FLEX TUBING



	1	2	3	4	5	6	7	8	9	10
Phase 1 & 5	◀G-R	◀G-R	R	◀G-R	◁G-R	R	R	R	R	R
1 & 5 Change	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6									
Phase 1 & 6	◀G-G	◀G-G	G	R	R	R	R	R	R	R
1 Change	◀Y-G	◀Y-G	G	R	R	R	R	R	R	R
Phase 2 & 5	R	R	R	◀G-G	◁G-G	G	R	R	R	R
5 Change	R	R	R	◀Y-G	◁Y-G	G	R	R	R	R
Phase 2 & 6	G	G	G	G	G	G	R	R	R	R
2 & 6 Change	Y	Y	Y	Y	Y	Y	R	R	R	R
Phase 3	R	R	R	R	R	R	R	R	G ◁G-	G
3 Change	R	R	R	R	R	R	R	R	Y	Y
Phase 4	R	R	R	R	R	R	G ◁G-	G	R	R
4 Change	R	R	R	R	R	R	Y	Y	R	R
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EA	DETECTOR RACK RETROFIT
9002	4 EA	(CONT/CAB/ADD) DETECTOR AMPLIFIER 4-CH RACK MT
9004	1 EA	(CONT/CAB/ADD) DETECTOR RACK POWER SUPPLY
9007	1 EA	(CONT/CAB/ADD) NEMA LOAD SWITCH
9089	7.5 SF	FLAT SHEET ALUM SIGN-YELLOW, ORANGE, & SILVER (SF)

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5004	45 LF	24 INCH WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5006	4 EA	THERMOPLASTIC HEAT APPLIED PERMANENT PAVEMENT MARKING ARROW (2 RIGHT,2 LEFT)
5005	4 EA	THERMOPLASTIC HEAT APPLIED PERMANENT PAVEMENT MARKING LETTER
8021	609 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL LOOP
8023	50 LF	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8040	2938 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO 14 AWG)
8041	40 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8045	750 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
8053	7.5 SF	INSTALL OVERHEAD SIGN
8084	9 EA	FURNISH AND INSTALL 12" VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8085	6 EA	FURNISH AND INSTALL 8" VEHICULAR TRAFFIC SIGNAL HEAD SECTION
NEG.	9 EA	FURNISH AND INSTALL SPLICE KIT FOR LOOP DETECTORS

REVISIONS

0	ADDING N/B E/P LEFT TURN PHASE ON US 1	
JAH 5/99		TIMS D 330

APPROVALS

ORIGINAL ON FILE

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

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

US 1 AT MD 212

DRAWN BY: JEFF HENKEL	F.A.P. NO.		TS NO. TS 1190 D	SHEET NO.	
CHECKED BY:	S.H.A. NO.	23855T2307903			
SCALE: NOT TO SCALE	COUNTY: PRINCE GEORGE'S		T.I.M.S. NO. D 330	02 OF 02	
DATE: 6/99	LOG MILE: 16000108.00				