PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL FOR STAGE IV/VA OF THE MAINTENANCE OF TRAFFIC PLANS AT THE INTERSECTION OF MD 212 (POWDER MILL ROAD) AND CHERRY HILL ROAD IN PRINCE GEORGE'S COUNTY. MD 212 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

INTERSECTION OPERATION

DURING STAGE IV/VA, THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, PRE-TIMED MODE WITH THE MD 212 APPROACHES OPERATING CONCURRENTLY AND THE CHERRY HILL ROAD APPROACHES OPERATING WITH SPLIT PHASES.

EXCLUSIVE/DOUBLE LEFT-TURN PHASE WILL BE PROVIDED ON EASTBOUND MD 212 AND EXCLUSIVE/PERMISSIVE LEFT-TURN PHASE WILL REMAIN FOR WESTBOUND MD 212.

AN ALTERNATE PEDESTRIAN PHASE EXISTS ACROSS THE EAST LEG OF MD 212. PEDESTRIAN INDICATIONS EXIST TO CROSS THE NORTH LEG OF CHERRY HILL ROAD.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-12
STANDARD NO. MD-104.31-01 (FLAGGING OPERATION)
STANDARD NO. MD-104.43-01 (SHOULDER WORK)
STANDARD NO. MD-104.37-01 (LEFT-LANE CLOSURE)
STANDARD NO. MD-104.38-01 (RIGHT-LANE CLOSURE)
STANDARD NO. MD-104.34-01 (LANE SHIFT)
STANDARD NO. MD-104.32-02 (INTERSECTION FLAGGING OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. CHARLES WATKINS
DISTRICT ENGINEER
PHONE: (301) 513-7311

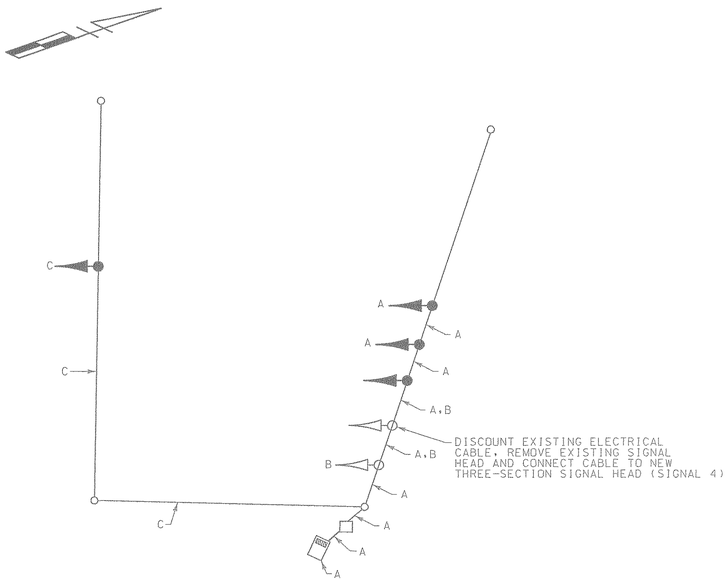
MR. MAJIB SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358

MR. RANDY BROWN
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

MR. JOE GECKLE
DISTRICT UTILITIES ENGINEER
PHONE: (301) 513-7350

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM



WIRING KEY

A, B, C — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

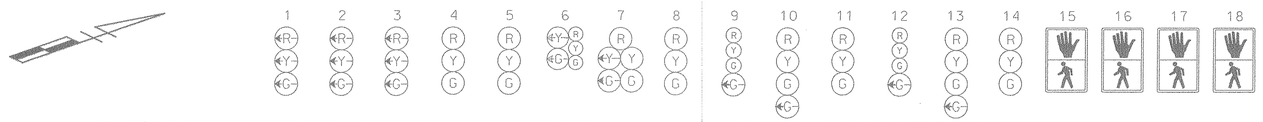
CATEGORY CODE NO.	QUANTITY	DESCRIPTION
960002	1 EACH	12 IN., ONE-WAY, THREE-SECTION (R,Y,G) TRAFFIC SIGNAL HEAD - SPAN MOUNT.
960003	3 EACH	12 IN., ONE-WAY, THREE-SECTION (RA,YA,GA) TRAFFIC SIGNAL HEAD - SPAN MOUNT.
973023	16 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
		- 2 EACH R3-SL SIGN (30 IN. X 36 IN.) - SPAN MOUNT

EQUIPMENT LIST "B"

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

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
120500	LUMP SUM	MAINTENANCE OF TRAFFIC
120610	2 U.D.	ARROW PANEL
805011	60 L.F.	FURNISH AND INSTALL 1 IN. ELECTRICAL CONDUIT - GALVANIZED SLEEVE
811001	3 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	16 S.F.	INSTALL OVERHEAD SIGN
860265	4 EACH	RELOCATE EXISTING SIGNAL HEADS
861107	500 L.F.	FURNISH AND INSTALL 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
800000	700 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
800000	4 EACH	INSTALL SIGNAL HEAD - ANY TYPE
800000	700 L.F.	RE-FEED INTERCONNECT CABLE
800000	LUMP SUM	REMOVAL AND DISPOSAL OF EXISTING MATERIAL AND EQUIPMENT
800000	22 S.F.	RELOCATE EXISTING SIGNS ON SPAN WIRE

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PHASE 1 + 5	←G—	←G—	←G—	R	R	R ←G—	R ←G—	R	R	R	R	R	R	R	DW	DW	DW	DW
1 + 5 CHANGE	1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6																	
PHASE 1 + 6	←G—	←G—	←G—	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 + 6 CHANGE	←Y—	←Y—	←Y—	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 5	←R—	←R—	←R—	R	R	G ←G—	G ←G—	G	R	R	R	R	R	R	WK	WK	DW	DW
2 + 5 CHANGE	←R—	←R—	←R—	R	R	G ←Y—	G ←Y—	G	R	R	R	R	R	R	WK	WK	DW	DW
PHASE 2 + 6	←R—	←R—	←R—	G	G	G	G	G	R	R	R	R	R	R	WK	WK	DW	DW
PED. CLEARANCE	←R—	←R—	←R—	G	G	G	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW
2 + 6 CHANGE	←R—	←R—	←R—	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3	←R—	←R—	←R—	R	R	R	R	R	R	R	R	G ←G—	G ←G—	G	DW	DW	DW	DW
3 CHANGE	←R—	←R—	←R—	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
PHASE 4	←R—	←R—	←R—	R	R	R	R	R	G ←G—	G ←G—	G	R	R	R	DW	DW	DW	DW
4 CHANGE	←R—	←R—	←R—	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW
PHASE 4 ALT.	←R—	←R—	←R—	R	R	R	R	R	G ←G—	G ←G—	G	R	R	R	DW	DW	WK	WK
PED. CLEARANCE	←R—	←R—	←R—	R	R	R	R	R	G ←G—	G ←G—	G	R	R	R	DW	DW	FL/DW	FL/DW
4 ALT. CHANGE	←R—	←R—	←R—	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW
FLASHING OPERATION	←FL/R—	←FL/R—	←FL/R—	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

STAGE IV/VA (TSP-6)

REVISIONS	APPROVALS
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

WR&A
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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 212 (POWDER MILL ROAD) AT CHERRY HILL ROAD

DRAWN BY: K.LITZ	F.A.P. NO.		TS NO. TS-1923D	SHEET NO.
CHECKED BY: N.LEARY	S.H.A. NO. PG 244 5171			
SCALE: 1"= 20'	COUNTY: PRINCE GEORGES		T.I.M.S. NO.	62 OF
DATE: 7-1-99	LOG MILE:			