PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL FOR STAGE VII 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 VII, THE INTERSECTION WILL OPERATE IN A NEMA EIGHT-PHASE, PRE-TIMED MODE WITH THE MD 212 APPROACHES OPERATING CONCURRENTLY AND THE CHERRY HILL ROAD APPROACHES OPERATING CONCURRENTLY.

EXCLUSIVE LEFT-TURN PHASING EXISTS FOR BOTH EASTBOUND AND WESTBOUND MD 212.

EXCLUSIVE LEFT-TURN PHASING IS PROVIDED FOR BOTH NORTHBOUND AND SOUTHBOUND CHERRY HILL ROAD.

AN ALTERNATE PEDESTRIAN PHASE EXISTS ACROSS THE EAST LEG OF MD 212. PEDESTRIANS INDICATIONS ARE PROVIDED 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

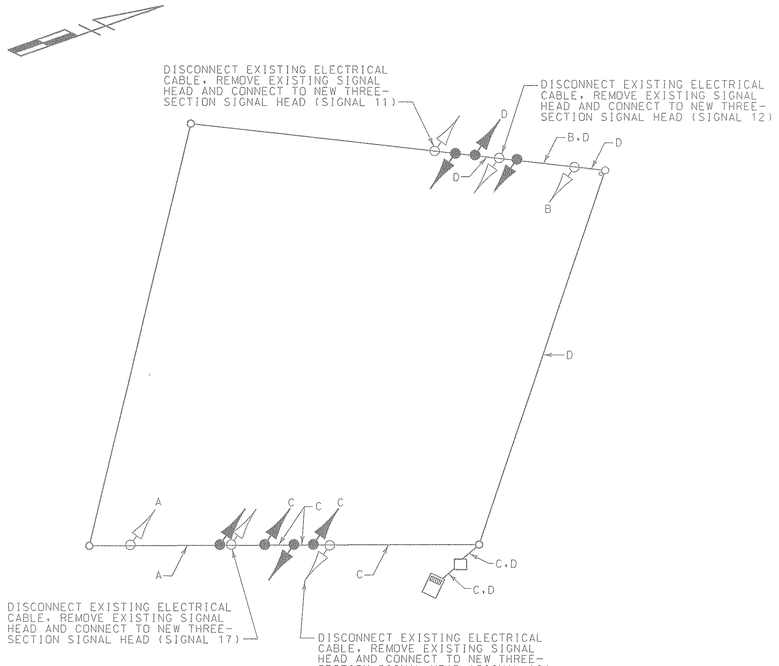
MR. MAJIB SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358

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, D } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

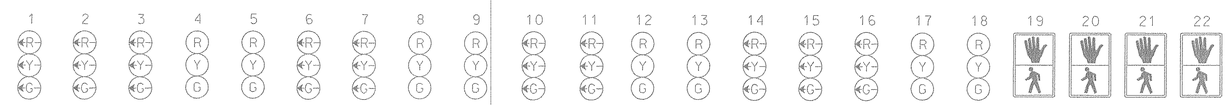
CATEGORY CODE NO.	QUANTITY	DESCRIPTION
960002	2 EACH	12 IN., ONE-WAY, THREE-SECTION (R,Y,G) TRAFFIC SIGNAL HEAD - SPAN MOUNT.
960003	5 EACH	12 IN., ONE-WAY, THREE-SECTION (RA,YA,GA) TRAFFIC SIGNAL HEAD - SPAN MOUNT.
973023	24 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF:
		- 3 EACH R3-5L SIGN (30 IN. X 36 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	20 L.F.	FURNISH AND INSTALL 1 IN. ELECTRICAL CONDUIT - GALVANIZED SLEEVE
813015	24 S.F.	INSTALL OVERHEAD SIGN
860265	1 EACH	RELOCATE EXISTING SIGNAL HEADS
861107	600 L.F.	FURNISH AND INSTALL 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
800000	LUMP SUM	REMOVAL AND DISPOSAL OF EXISTING MATERIAL AND EQUIPMENT
800000	7 EACH	INSTALL SIGNAL HEAD ANY TYPE

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
PHASE 1 + 5	G	G	G	R	R	G	G	R	R	R	R	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	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	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 5	R	R	R	R	R	G	G	G	G	R	R	R	R	R	R	R	R	R	WK	WK	DW	DW
2 + 5 CHANGE	R	R	R	R	R	Y	Y	G	G	R	R	R	R	R	R	R	R	R	WK	WK	DW	DW
PHASE 2 + 6	R	R	R	G	G	R	R	G	G	R	R	R	R	R	R	R	R	R	WK	WK	DW	DW
PED. CLEARANCE	R	R	R	G	G	R	R	G	G	R	R	R	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW
2 + 6 CHANGE	R	R	R	Y	Y	R	R	Y	Y	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3 + 7	R	R	R	R	R	R	R	R	R	G	G	R	R	G	G	G	R	R	DW	DW	DW	DW
3 + 7 CHANGE	3 + 7 MAY CHANGE TO PHASE 3 + 8, PHASE 4 + 7 OR PHASE 4 + 8																					
PHASE 3 + 8	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW
3 + 8 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	G	G	DW	DW	DW	DW
PHASE 4 + 7	R	R	R	R	R	R	R	R	R	G	G	G	G	R	R	R	R	R	DW	DW	DW	DW
4 + 7 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	G	G	R	R	R	R	R	DW	DW	DW	DW
PHASE 4 + 8	R	R	R	R	R	R	R	R	R	R	R	G	G	R	R	R	G	G	DW	DW	DW	DW
4 + 8 CHANGE	R	R	R	R	R	R	R	R	R	R	R	Y	Y	R	R	R	Y	Y	DW	DW	DW	DW
PHASE 4 + 8 ALT	R	R	R	R	R	R	R	R	R	R	R	G	G	R	R	R	G	G	DW	DW	WK	WK
PED. CLEARANCE	R	R	R	R	R	R	R	R	R	R	R	G	G	R	R	R	G	G	DW	DW	FL/DW	FL/DW
4 + 8 ALT CHANGE	R	R	R	R	R	R	R	R	R	R	R	Y	Y	R	R	R	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/R	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	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

STAGE VII (TSP-12)

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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2315 Saint Paul Street
Baltimore, Maryland 21218
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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.	68 OF
DATE:	7-1-99	LOG MILE:			