PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 43 AND HONEYGO BOULEVARD IN BALTIMORE COUNTY, MARYLAND. MD 43 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA EIGHT-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 43 APPROACHES OPERATING CONCURRENTLY AND THE HONEYGO BOULEVARD APPROACHES OPERATING CONCURRENTLY.

EXCLUSIVE LEFT TURN PHASES EXIST FOR ALL FOUR APPROACHES OF THE INTERSECTION.

AN ALTERNATIVE PEDESTRIAN PHASE WILL BE PROVIDED ACROSS THE WEST LEG OF MD 43. PEDESTRIAN INDICATIONS WILL BE PROVIDED ACROSS THE NORTH LEG OF HONEYGO BOULEVARD.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CONTROLLER AND CABINET WILL BE USED.

MAINTENANCE OF TRAFFIC

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

STANDARD NO. MD-104.00 - 104.00-30
STANDARD NO. MD-104.12-01 (LEFT LANE CLOSURE)
STANDARD NO. MD-104.17-01 (INTERSECTION/LEFT TURNBAY CLOSURE)
STANDARD NO. MD-104.13-01 (RIGHT LANE CLOSURE)
STANDARD NO. MD-104.18-01 (SHOULDER WORK)
STANDARD NO. MD-104.81-02 (MOBILE SERVICE WORK)

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	6 U.D.	ARROW PANEL
120620	300 S.F.	TEMPORARY TRAFFIC SIGNS
203030	2 C.Y.	TEST PIT EXCAVATION
585624	200 L.F.	24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING
585620	855 L.F.	12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING
801004	2 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
801106	40 L.F.	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 IN. X 6 IN.
802145	3 EACH	ADJUST EXISTING HANDHOLE
802501	90 L.F.	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. DAVE MALKOWSKI
DISTRICT ENGINEER
PHONE: 410 321-3461

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: 410-321-3514

MR. RUSS YUREK
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: 410-321-3468

MR. JOE MCMAHON
DISTRICT UTILITIES ENGINEER
PHONE: 410-321-3456

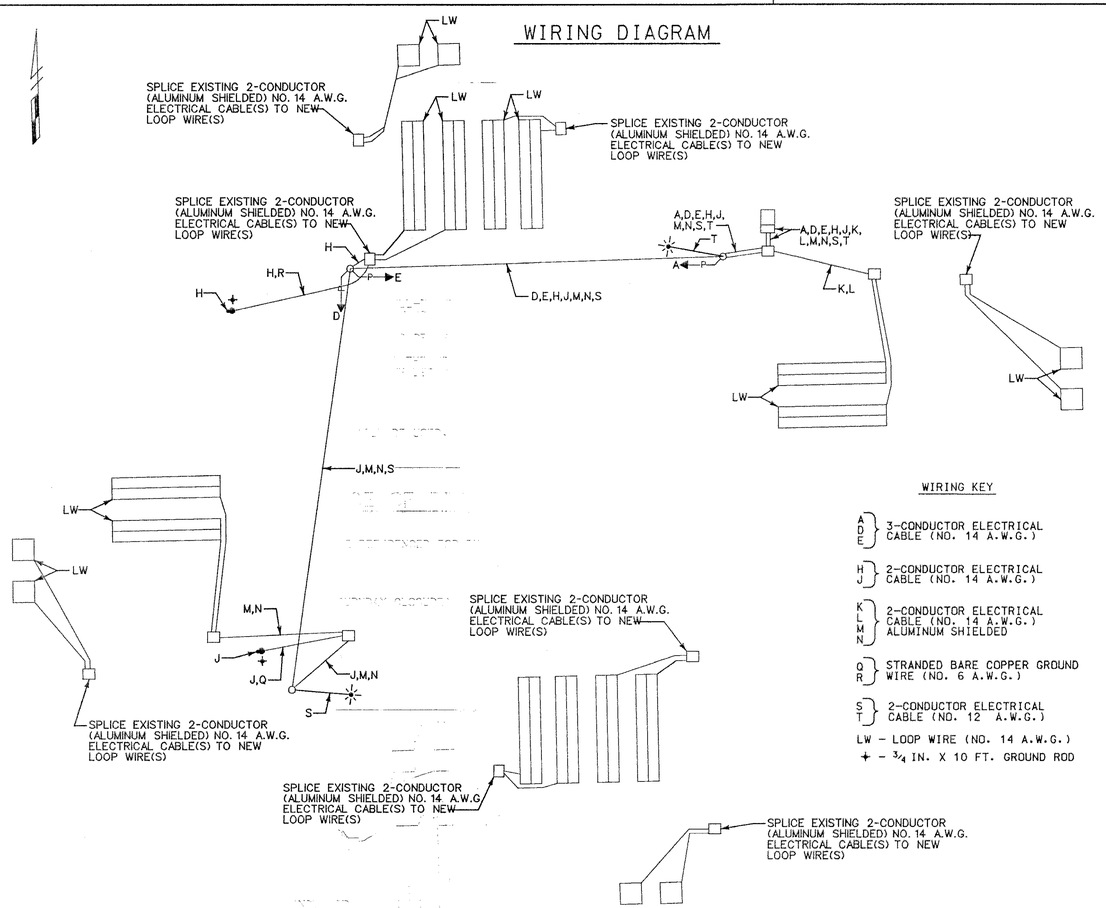
MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST "B" (CONT.)

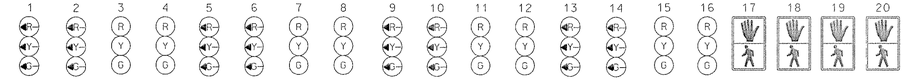
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
805160	200 L.F.	FURNISH AND INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
813022	69 S.F.	RELOCATE EXISTING GROUND MOUNTED SIGNS
831010	2 EACH	FURNISH AND INSTALL 250 WATT HPS LUMINAIRE WITH PHOTOCELL
837001	2 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 IN DIAMETER X 10 FT. LENGTH
861104	960 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 2 CONDUCTOR ALUMINUM SHIELDED (NO. 14 A.W.G)
861105	745 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 2 CONDUCTOR (NO. 14 A.W.G)
861106	500 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 3 CONDUCTOR (NO. 14 A.W.G)
861116	400 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 2 CONDUCTOR (NO. 12 A.W.G.)
862101	7000 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
862102	2100 L.F.	FURNISH AND INSTALL SAWCUT FOR SIGNAL (LOOP DETECTOR)
866104	2 EACH	FURNISH AND INSTALL 20 FT. STREET LIGHTING ARM
800000	1 EACH	REMOVAL AND DISPOSAL OF EXISTING MATERIAL AND EQUIPMENT
800000	6 EACH	FURNISH AND INSTALL 12 IN. PEDESTRIAN SIGNAL HEAD-SECTION
800000	100 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80. RIGID PVC CONDUIT - TRENCHED
800000	2 EACH	FURNISH AND INSTALL BREAKAWAY PEDESTAL POLE (ANY SIZE)
800000	2 EACH	CUT, CLEAN, CAP AND GALVANIZE TRAFFIC SIGNAL STRUCTURE
800000	2 EACH	FURNISH AND INSTALL PEDESTRIAN PUSHBUTTON AND R10-4(1) SIGN (NOTE: SIGN TO READ "PUSHBUTTON TO CROSS WHITE MARSH BLVD")

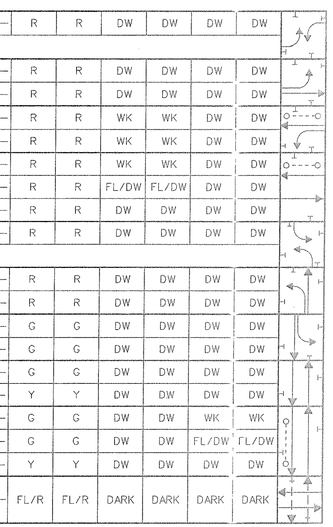
WIRING DIAGRAM



PHASE CHART



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



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

GENERAL INFORMATION SHEET
MD 43 AND HONEYGO BOULEVARD

DRAWN BY: S. BLOSS	F.A.P. NO.		TS NO. TS-2512A	SHEET NO. ___ OF ___
CHECKED BY: N.LEARY	S.H.A. NO.			
SCALE: NONE	COUNTY:	BALTIMORE	T.I.I.I.S. NO.	
DATE: 6/19/00	LOG MILE:			