F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 355 AND MD 191 IN MONTGOMERY COUNTY. MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

1. NORMAL OPERATION

   THE INTERSECTION WILL OPERATE IN A NEMA SIX PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 355 APPROACHES OPERATING WITH SPLIT PHASES AND MD 191 APPROACHES OPERATING CONCURRENTLY. EXCLUSIVE/PERMISSIVE LEFT-TURN PHASES WILL BE ADDED FOR MD 191.

2. SPECIAL OPERATION

   THE INTERSECTION WILL OPERATE AS INDICATED ABOVE UNLESS A PUSH BUTTON IS ACTIVATED BY THE BETHESDA FIRE COMPANY WHICH WILL PRE-EMPT THE TRAFFIC SIGNAL AND STOP ALL APPROACHES.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND EIGHT-PHASE CONTROLLER WILL BE USED.

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

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

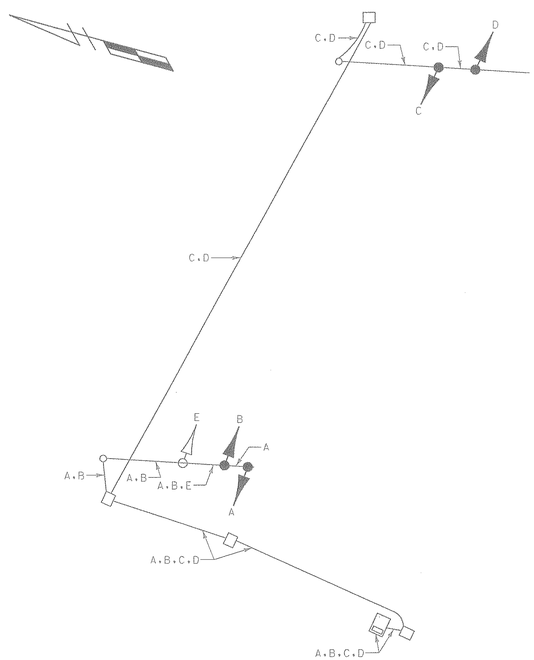
MR. MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358

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

MR. AUGIE REBISH
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 — 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

E — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

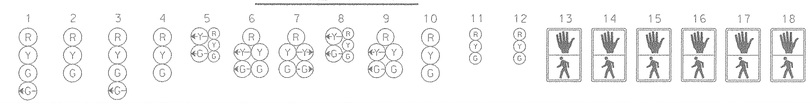
ITEM NO.	QUANTITY	DESCRIPTION
9016	2 EACH	12 IN., ONE-WAY, FIVE-SECTION (R,Y,YA,G,GA) TRAFFIC SIGNAL HEAD - MAST ARM MOUNT.
9019	2 EACH	8 IN./12 IN., ONE-WAY, FIVE-SECTION (R,Y,YA,G,GA) TRAFFIC SIGNAL HEAD - MAST ARM MOUNT.
9089	22 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
		- 2 EACH R10-12 SIGN (36 IN. X 42 IN.) - MAST ARM MOUNT.

EQUIPMENT LIST "B"

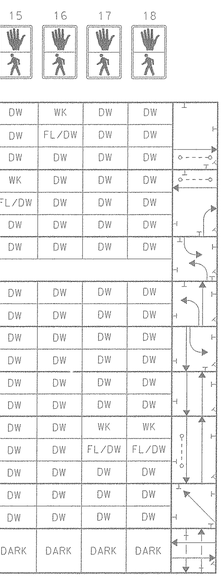
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5003	200 L.F.	12 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE
5010	30 L.F.	24 IN. WHITE THERMOPLASTIC PAVMENT MARKING TAPE
5013	230 L.F.	REMOVE EXISTING PAVEMENT MARKINGS - ANY WIDTH
8011	4 EACH	INSTALL SIGNAL HEAD - ANY TYPE
8044	30 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
8045	1300 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)
8054	22 S.F.	INSTALL OVERHEAD SIGN
8061	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
NEG	1 EACH	RELOCATE EXISTING OVERHEAD SIGN

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PHASE 1	R	R	G/G	G	R	R	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW
PED. CLEARANCE	R	R	G/G	G	R	R	R	R	R	R	R	R	FL/DW	DW	DW	FL/DW	DW	DW
1 CHANGE	R	R	Y	Y	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2	G/G	G	R	R	R	R	R/G	R	R	R	R	R	DW	WK	WK	DW	DW	DW
PED. CLEARANCE	G/G	G	R	R	R	R	R/G	R	R	R	R	R	DW	FL/DW	FL/DW	DW	DW	DW
2 CHANGE	Y	Y	R	R	R	R	R/Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3 + 7	R	R	R	Y	R/G	R/G	R	R/G	R/G	R	R	R	DW	DW	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	G/G	G/G	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW
3 + 8 CHANGE	R	R	R	R	G/Y	G/Y	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 + 7	R	R	R	R	R	R	R	G/G	G/G	G	R	R	DW	DW	DW	DW	DW	DW
4 + 7 CHANGE	R	R	R	R	R	R	R	G/Y	G/Y	G	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 + 8	R	R	R	R	G	G	G	G	G	G	R	R	DW	DW	DW	DW	DW	DW
4 + 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 + 8 ALT	R	R	R	R	G	G	G	G	G	G	R	R	DW	DW	DW	DW	WK	WK
PED. CLEARANCE	R	R	R	R	G	G	G	G	G	G	R	R	DW	DW	DW	DW	FL/DW	FL/DW
4 + 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	R	R	DW	DW	DW	DW	DW	DW
FIREHOUSE	R	R	R	R	R	R	R	R	R	R	G	G	DW	DW	DW	DW	DW	DW
PRE-EMPTION	R	R	R	R	R	R	R	R	R	R	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK



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

WR&A
Whitman, Requardt and Associates
Engineers and Planners
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 355 AND BRADLEY BOULEVARD

DATE: 11-20-97	DRAWN BY: S.BLOSS	F.A.P. NO. AC-STPG-0005(588)E		PLAN SHEET NO.:	SHEET NO.
SCALE: NONE	DESIGNED BY: N.LEARY	S.H.A. NO. AW377A58 / B58		TS-1857A	2 OF 2
APPROVED BY:	CHECKED BY: T.HANNAN	COUNTY MONTGOMERY			