PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF MD 355 (ROCKVILLE PIKE) AND MARINELLI ROAD IN MONTGOMERY COUNTY. THE WORK SHALL CONSIST OF PROVIDING NORTHBOUND AND SOUTHBOUND EXCLUSIVE PHASE FOR LEFT TURNS, WIDEN EAST LEG CROSSWALK, ADJUST STOP LINE ON WESTBOUND APPROACH, ABANDON AND INSTALL NEW WESTBOUND APPROACH LOOP DETECTION AND INSTALL LIGHTING ON EAST LEG.

INTERSECTION OPERATION

THE EXISTING CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN AT THIS LOCATION. THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 7 NEMA PHASES AND SHALL NOT BE CHANGED. THE LEFT TURN PHASE ALONG NORTHBOUND AND SOUTHBOUND MD 355 SHALL OPERATE WITH EXCLUSIVE LEFT TURN PHASING.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. LEE STARKLOFF, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7318
MR. DENNIS MCMAHON, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7336
MR. WAYNE MOWDY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304
MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: (301) 513-7350
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. BOBBY GONZALES, TRAFFIC ENGINEER - MCTMC
PHONE: (240) 777-8761

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR FOLLOWING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

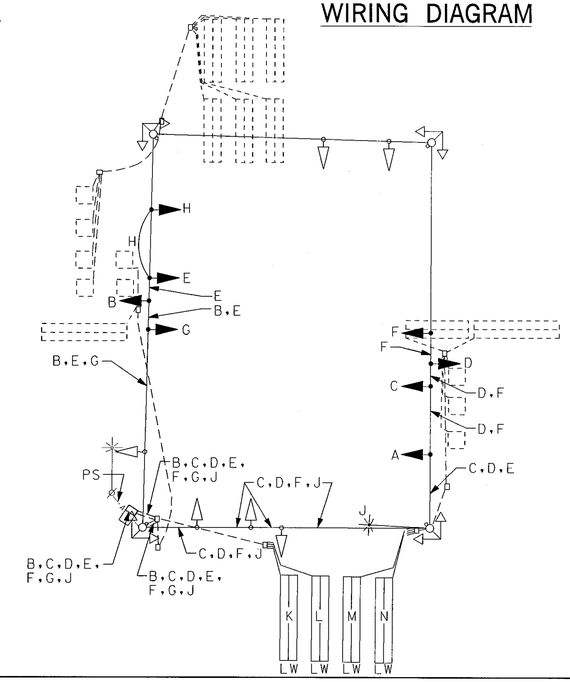
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
9571	FLAT SHEET ALUMINUM SIGNS (MAST ARM/POLE MOUNTED) CONSISTING OF:	SF	62
	R10-4(1) 9"X12") STRAIN POLE MOUNT	EA	1
	GUIDE SHIELD ASSEMBLY (30"X51")	EA	1
	GUIDE SHIELD ASSEMBLY (48"X75")	EA	2
9572	FLAT SHEET ALUMINUM SIGNS (SPAN MOUNTED) CONSISTING OF:	SF	23
	R10-11b (24"X24") SPAN WIRE MOUNT	EA	2
	R3-5 (30"x36") SPAN WIRE MOUNT	EA	2

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

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTAINANCE OF TRAFFIC	EA	1
2001	CLASS 2 EXCAVATION	CY	2
5003	12 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING	LF	75
5004	24 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING	LF	50
5005	REMOVE EXISTING PERMANENT PAVEMENT MARKING LINE MARKINGS-ANY WIDTH	LF	150
8003	15 FOOT LIGHTING ARM ON EXISTING STRUCTURE	EA	1
8013	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	EA	1
8019	ELECTRICAL CABLE-2 CONDUCTOR (NO. 12 AWG)-TRAY CABLE	LF	65
8034	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	20
8043	INSTALL OVERHEAD SIGN	SF	85
8048	250 WATT HPS LAMP AND LUMINAIRE	EA	1
8053	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	31
8058	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	1110
8060	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)	LF	1660
8061	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	535
NEG.	2 IN. HOT MIX ASPHALT	TON	1
NEG.	7 IN. PLAIN CEMENT CONCRETE MIX NO. 6	CY	1
NEG.	6 IN. GRADED AGGREGATE BASE	SY	5
NEG.	8 IN. CURB AND GUTTER	LF	10

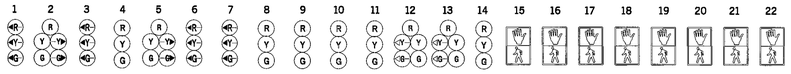
WIRING DIAGRAM



KEY

A	EXISTING CONDUCTOR CABLE TO BE RE-USED FOR PROPOSED TRAFFIC SIGNAL HEAD
B, C, D, E	7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
F, G, H	5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
J	2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) TRAY CABLE
K, L, M, N	EXISTING 2 CONDUCTOR CABLE ALUMINUM SHIELDED TO BE RE-USED FOR PROPOSED LOOPS
LW	LOOP WIRE
PS	EXISTING POWER FEED

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 AND 5	G	R	G	R	R	G	G	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																						
PHASE 1 AND 6	R	R	R	R	R	G	G	G	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 AND 6 CHANGE	R	R	R	R	R	Y	Y	G	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 5	G	G/G	G	G	G/G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
2 AND 5 CHANGE	Y	G/Y	Y	G	G/Y	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6	R	G	R	G	G	R	R	G	G	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	R	G	R	G	G	R	R	G	G	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 AND 6 CHANGE	R	Y	R	Y	Y	R	R	Y	Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 AND 8	R	R/G	R	R	R/G	R	R	R	R	R	R	G/G	G/G	G	DW	DW	DW	DW	DW	DW	DW	DW
3 AND 8 CHANGE	R	R/Y	R	R	R/Y	R	R	R	R	R	R	Y/G	Y/G	G	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 ALT	R	R	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 AND 8 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/R	FL/Y	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

SHA#: MD0285180/080 TCD#: AT288-69

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

MD 355 (ROCKVILLE PIKE) AT MARINELLI ROAD

DRAWN BY:	J. WEAVER	F.A.P. NO.		TS NO. 3162D-GI	SHEET NO.
CHECKED BY:	S. RENZI	S.H.A. NO.	AT2885185		
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO. G052	2 OF 2
DATE:	05/07/04	LOG MILE:	I5035506.17		

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DATE: 18-JUN-04 10:31