PROJECT DESCRIPTION:

GENERAL

THIS PROJECT INVOLVES RELOCATION OF PEDESTRIAN SIGNAL INDICATIONS AT THE INTERSECTION OF MD 355 AND SOMERSET TERRACE IN MONTGOMERY COUNTY, MARYLAND. IN ADDITION, SIDEWALK RAMPS, AND A MEDIAN DEPRESSION WILL BE ADDED FOR THE CROSSING ON THE SOUTHERN LEG OF THE INTERSECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN NEMA (5) PHASE, SEMI ACTUATED MODE. THE MD 355 MOVEMENTS OPERATE CONCURRENTLY WITH PEDESTRIAN MOVEMENTS ACROSS THE EAST AND WEST LEGS OF THE INTERSECTION. THE SOMERSET TERRACE/ SAK'S 5TH AVENUE OPERATE IN SPLIT PHASING WITH ACTUATED PEDESTRIAN MOVEMENTS ACROSS THE EAST AND WEST LEGS OF THE INTERSECTION.

SPECIAL NOTES

1) THE FOLLOWING CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

PROJECT CONTACTS

1) THE FOLLOWING CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

MR. LEE STARKLOFF, ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: (301) 513-7318

MR. WAYNE MOWDY, ASSISTANT DISTRICT ENGINEER-MAINTENANCE
PHONE: (301) 513-7304

MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: (301) 513-7350

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

MR. ROBERT SNYDER, ASSISTANT CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. ED RODENHIZER, CHIEF OF SIGNAL SHOP
PHONE: (410) 787-7650

DR. WILHELM DERMINASSIAN, MONTGOMERY COUNTY TRAFFIC
PHONE: (240) 777-8795

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

EQUIPMENT LIST

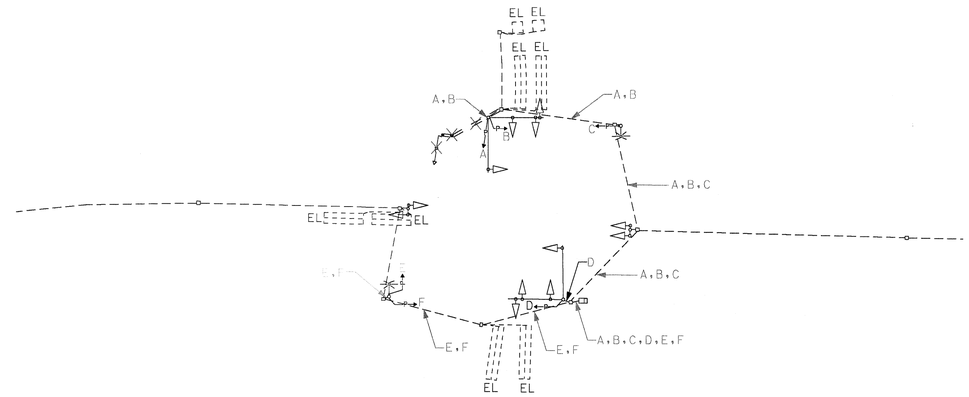
A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9571	24 SF	SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN CONSISTING OF:
	2 EA	D3-1 96" X 12":
	1 EA	R3-5 30" X 36":

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5001	60 LF	5 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5003	360 LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5004	65 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	240 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
6003	90 SF	4 INCH CONCRETE SIDEWALK
~~8001~~	~~8 EA~~	~~12 INCH PEDESTRIAN SIGNAL HEAD~~
~~8009~~	~~1 EA~~	~~BREAKAWAY PEDESTAL POLE - ANY SIZE~~
~~8011~~	~~1 EA~~	~~PUSHBUTTON AND SIGN~~
8013	1 EA	REMOVE AND DISPOSE OF EQUIPMENT
~~8016~~	~~40 LF~~	~~2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED~~
~~8024~~	~~1 CY~~	~~CONCRETE FOR SIGNAL FOUNDATION~~
~~8045~~	~~1 EA~~	~~FURNISH AND INSTALL ELECTRICAL HANDHOLE~~
8047	24 SF	INSTALL OVERHEAD SIGN
~~8053~~	~~1 EA~~	~~GROUND ROD 3/4 INCH DIAMETER X 10 FOOT LENGTH~~
~~8059~~	~~245 LF~~	~~ELECTRICAL CABLE - 2 CONDUCTOR NO 14 AWG~~
~~8060~~	~~250 LF~~	~~ELECTRICAL CABLE - 3 CONDUCTOR NO 14 AWG~~
8022	5 SF	RELOCATE EXISTING SIGN
8061	890 LF	ELECTRICAL CABLE 5 - CONDUCTOR NO 14 AWG
8021	32 SF	DETECTABLE WARNING SURFACE
6001	10 LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
8072	6 EA	FURNISH AND INSTALL 16 INCH COUNTDOWN PED SIGNAL
2001	4 CY	CLASS 2 EXCAVATION
NEG.	1 TON	2 IN. HOT MIX ASPHALT
NEG.	5 CY	7 IN. PLAIN CEMENT CONCRETE MIX NO. 6
NEG.	8 SY	6 IN. GRADED AGGREGATE BASE

WIRING DIAGRAM:

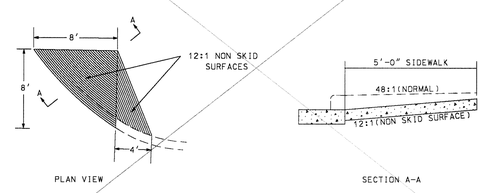


LEGEND
A,B - 5 CONDUCTOR ELECTRICAL CABLE NO. 14 AWG
EL - EXISTING LOOP
NOTE: UNLESS OTHERWISE NOTED, USE EXISTING WIRING.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13,16	14,15	17,18	
Phase 1 & 6	◀G-	◀G-	G	G	R	R	R	R	R	R	R	R	DW	WK	DW	
1 Change	◀Y-	◀Y-	G	G	R	R	R	R	R	R	R	R	DW	WK	DW	
Phase 2 & 6	◀R-	◀R-	G	G	G	G	R	R	R	R	R	R	WK	WK	DW	
2 & 6 Ped Clear.	◀R-	◀R-	G	G	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW	
2 & 6 Change	◀R-	◀R-	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	
Phase 3	◀R-	◀R-	R	R	R	R	R	R	R	◀G- G	◀G- G	G	DW	DW	DW	
3 Change	◀R-	◀R-	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	
Phase 4	◀R-	◀R-	R	R	R	R	◀G- G	◀G- G	G	R	R	R	DW	DW	DW	
4 Change	◀R-	◀R-	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	
Phase 4 Alt.	◀R-	◀R-	R	R	R	R	◀G- G	◀G- G	G	R	R	R	DW	DW	WK	
Ped Clearance	◀R-	◀R-	R	R	R	R	◀G- G	◀G- G	G	R	R	R	DW	DW	FL/DW	
4 Alt. Change	◀R-	◀R-	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	
Flashing Operation	FL/◀R-	FL/◀R-	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	

SIDEWALK RAMP DETAIL



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

MD 355 AT SOMERSET TERRACE

DRAWN BY: CJW	F.A.P. NO.		TS NO. 2061 A	SHEET NO.
CHECKED BY: MAR	S.H.A. NO.			
SCALE: NONE	COUNTY:	MONTGOMERY	T.I.M.S. NO. G-362	2 OF 2
DATE: 9-15-04	LOG MILE:	15035500.33		