PROJECT DESCRIPTION:

THIS PROJECT INVOLVES THE INSTALLATION OF COUNTDOWN PEDESTRIAN SIGNAL HEADS AND VIDEO DETECTION AT THE INTERSECTION OF MD 355 AND SOUTH DRIVE/SOUTHWOOD ROAD IN MONTGOMERY COUNTY MARYLAND.

INTERSECTION OPERATION:

THE EXISTING 6 PHASE, SEMI-ACTUATED TRAFFIC SIGNAL WILL BE USED. THERE IS AN EXCLUSIVE PERMISISVE LEFT TURN MOVEMNENT ALONG MD 355, AND SOUTH DRIVE/SOUTHWOOD ROAD OPERATE CONCURRENTLY. THE PHASE 4 ALTERNATE WILL BE REMOVED FROM THE SIGNAL OPERATION.

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

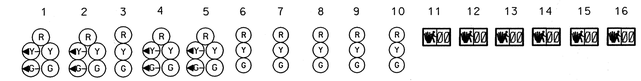
A. EQUIPMENT TO BE FURNISHED BY SHA

ITEM NO.	QUANTITY	DESCRIPTION
9046	1 EA	DETECTOR RACK RETROFIT
9086	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT 1-4 CAMERAS

B. EQUIPMENT TO BE FURNISHED AND/OR BY CONTRACTOR

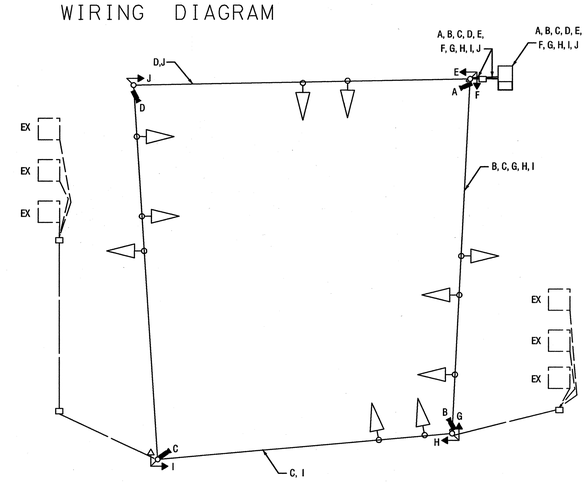
ITEM NO.	QUANTITY	DESCRIPTION
1001	2 EA	MAINTENANCE OF TRAFFIC
2001	3 CY	CLASS 2 EXCAVATION
5005	610 LF	12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5006	35 LF	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
6004	5 LF	MONOLITHIC CONCRETE MEDIAN 4 FEET O INCH WIDE TYPE A-1
6005	90 LF	4 INCH CONCRETE SIDEWALK
8012	2 EA	CONDUIT BEND IN EXISTING FOUNDATION - ANY SIZE
8013	1 EA	CONTROL CABLE, 100 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
8014	2 EA	CONTROL CABLE, 200 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
8015	1 EA	CONTROL CABLE, 300 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
8021	6 EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEADS
8029	1 EA	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT
8040	40 SF	DETECTABLE WARNING SURFACES
8052	20 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8071	4 EA	VIDEO DETECTION CAMERA
8101	490 LF	ELECTRICAL CABLE 5-CONDUCTOR NO 14 AWG

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASE 1 & 5	◄G-/R	◄G-/R	R	◄G-/R	◄G-/R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6																
PHASE 1 & 6	◄G-/G	◄G-/G	G	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW
1 & 6 CHANGE	◄Y-/G	◄Y-/G	G	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW
PHASE 2 & 5	R	R	R	◄G-/G	◄G-/G	G	R	R	R	R	WK	DW	DW	WK	DW	DW
2 & 5 CHANGE	R	R	R	◄Y-/G	◄Y-/G	G	R	R	R	R	WK	DW	DW	WK	DW	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW
PED CLEAR & COUNTDOWN	G	G	G	G	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	WK	WK
PED CLEAR & COUNTDOWN	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



KEY:

A,B,C,D - VIDEO DETECTION CABLE

E,F,G,H,I,J - 5 - CONDUCTOR ELECTRICAL CABLE (NO 14 A.W.G.)

EX - EXISTING LOOP WIRES.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 355 (ROCKVILLE PIKE) AND SOUTH DR./SOUTHWOOD ROAD

SCALE N/A DATE 07/01/2005 CONTRACT NO. AT7185185

DESIGNED BY C. WARD
DRAWN BY C. WARD
CHECKED BY M. RUCKER
F.A.P. NO.

COUNTY MONTGOMERY
LOGMILE 15035502.37
T.I.M.S. NO. G838
TOD NO.

DRAWING NO. - OF SHEET NO. 2 OF 2

PLOTTED: TUESDAY, JUNE 28, 2005 AT 1:26:30 PM
FILE: G838G002.DGN

BY: CWARD