PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF AN INTERSECTION CONTROL BEACON AT MD 198 AND PEACH ORCHARD ROAD IN MONGOMERY COUNTY MARYLAND.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A FLASHING MODE, WITH FLASHING AMBER SIGNALS FOR BOTH MD 198 APPROACHES AND FLASHING RED SIGNALS FOR THE PEACH ORCHARD ROAD APPROACH AND THE CHURCH ENTRANCE.

PROJECT CONTACTS DISTRICT 3	CONTACTS FOR THE OFFICE OF TRAFFIC	MONTGOMERY COUNTY CONTACT
MR. MAJID SHAKIB ASST. DIST. ENGR. TRAFFIC 301-513-7358	MR. RICHARD DAFF CHIEF TRAFFIC OPERATIONS 410-787-7630	MR. ROBERT GONZALES MONTGOMERY COUNTY TRAFFIC 240-777-8761
MR. RANDY BROWN ASST. DIST. ENGR. MAINTENANCE 301-513-7304	MR. ED RODENHIZER TEAMLEADER SIGNAL OPERATION 410-787-7650	
MR. AUGIE REBISH UTILITIES ENGR. 301-513-7350	MR. EUGENE BAILEY TEAMLEADER SIGN OPERATIONS 410-787-7676	
MR. JOHN D. WARNICK ASST. DIST. ENGR. CONSTRUCTION 301-513-7336	MR. DAVE SCHWARTZ SUPPLY OFFICER SIGNAL WAREHOUSE 410-787-7666	

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9084	1 EA	CABINET MONTGOMERY CO. W/ LAU, SIZE 6
9087	1 EA	CONTROLLER ASC II W/ TELEMETRY
9089	18 SF	FLAT SHEET ALUM SIGN-YELLOW, ORANGE, & SILVER (SF) 1 EA M95-1 SHIELD SIGN 78"X24"
9090	21 SF	FLAT SHEET ALUM. SIGN-BLUE OR GREEN (SF) 2 EA. D 3-2 16"XVAR. DUAL FACED STREET NAME SIGN 2 EA. R 1-2 36"X36"YIELD SIGNS 1 EA. R

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

ITEM NO.	QUANTITY	DESCRIPTION
0	500 PA	UTILITY UNIT
1001	2 EA	MAINTENANCE OF TRAFFIC
2001	2 CY	TEST PIT EXCAVATION
2004	9 CY	CLASS 2 EXCAVATION
5001	510 LF	5 INCH YELLOW HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5002	1480 LF	5 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5004	30 LF	24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5007	1000 LF	REMOVE EXISTING PAVEMENT MARKINGS - ANY WIDTH
6001	252 SF	4 INCH CONCRETE SIDEWALK
8001	20 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8006	1 EA	CUT, CLEAN GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8027	60 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8030	40 LF	FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8032	160 LF	FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8033	3 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8034	3 EA	FURNISH AND INSTALL GROUND ROD -3/4INCH DIAMETER X 10 FOOT LENGTH
8043	100 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO 14 AWG)
8044	120 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG)
8045	860 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
8048	240 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8049	150 LF	FURNISH AND INSTALL ELECTRICAL CABLE 1-CONDUCTOR NO. 4 AWG- THHN/THWN
8050	64 LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8052	27 SF	INSTALL GROUND MOUNTED SIGN
8053	29 SF	INSTALL OVERHEAD SIGN
8060	1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8066	1 EA	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT (120/240 V, 1 PHASE 3 WIRE SYSTEM)
8069	1 EA	FURNISH AND INSTALL PHOTOCELL
8076	1 EA	FURNISH AND INSTALL MAST ARM POLE AND 38 FOOT MAST ARM
8077	1 EA	FURNISH AND INSTALL MAST ARM POLE AND 50 FOOT MAST ARM
8081	1 EA	FURNISH AND INSTALL MAST ARM POLE AND TWIN (50 FOOT/60 FOOT) OR (60 FOOT/50 FOOT) MAST ARMS
8084	8 EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
NEG.	100 LF	TYPE "C" COMBINATION CURB AND GUTTER
NEG.	200 LF	FULL DEPTH SAW CUT

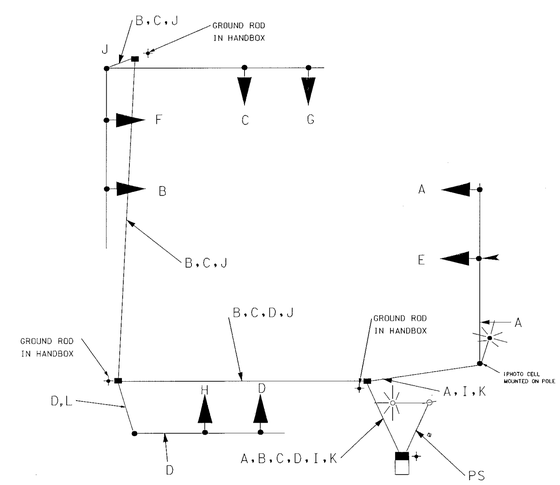
C. MATERIAL TO BE RETURNED TO THE STATE HIGHWAY ADMINISTRATION

ALL MATERIAL REMOVED IS TO BECOME THE PROPERTY OF THE CONTRACTOR

PHASE CHART

	1	2	3	4	5	6	7	8
	Y	Y	Y	Y	R	R	R	R
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

WIRRING DIAGRAM



A,B, C,D	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
E,F, G,H	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
I	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
J,K L	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
M	2-CONDUCTOR TRAY CABLE (NO. 12 AWG)
PS	PROPOSED SERVICE

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

MD 198 AT PEACH ORCHARD RD

DRAWN BY: JEFF HENKEL CHECKED BY: MAR SCALE: NONE DATE: 1/01	F.A.P. NO. AC-STPG-0005(684)E S.H.A. NO. MD 198 ASP COUNTY: MONTGOMERY LOG MILE: 15.01-9801.55	TS NO. 4066 T.I.M.S. NO. E 106	SHEET NO. 02 OF 02