

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW INTERSECTION CONTROL BEACON (ICB) AT THE INTERSECTION OF US 1 (RISING SUN BYPASS) AND RED PUMP RD. / MOUNT ST. IN CECIL COUNTY. NEW MAST ARM POLES WITH LED SIGNAL HEADS WILL BE INSTALLED. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION IS TO OPERATE IN A NEMA FLASHING MODE. NORTHBOUND AND SOUTHBOUND MOVEMENTS ON US 1 SHALL OPERATE IN FLASHING YELLOW AND EASTBOUND AND WESTBOUND RED PUMP RD. / MOUNT ST. MOVEMENTS SHALL OPERATE IN FLASHING RED.
2. A TWO-CIRCUIT FLASHER AND ALL NECESSARY EQUIPMENT HOUSED IN A NEMA SIZE "6" BASE-MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION.

CONTACTS

DISTRICT	OFFICE OF TRAFFIC AND SAFETY
MR. ROBERT KIEL ASSISTANT DISTRICT ENGINEER - TRAFFIC (410) 810-3240	MR. RICHARD DAFF SR. CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. BARRY CLOTHIER ASSISTANT DISTRICT ENGINEER - UTILITIES (410) 810-3275	MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. WM NORRIS EMBERT ASSISTANT DISTRICT ENGINEER - CONSTRUCTION (410) 810-3270	MR. ED RODENHIZER CHIEF, SIGNAL OPERATIONS 410-787-7650
MR. TERRY WRIGHT ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 810-3250	MR. EUGENE BAILEY CHIEF, SIGN OPERATIONS 410-787-7670
	MS. DARLENE EIDE SUPPLY OFFICER (SIGNAL SHOP WAREHOUSE) 410-787-7668

PHASE CHART

	1	2	3	4	5	6	7	8
	(Y)	(Y)	(Y)	(Y)	(R)	(R)	(R)	(R)
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR



EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9012	1 EA	[UPDATED] 2 CIRCUIT FLASHER
9044	1 EA	[UPDATED] CONTROLLER CABINET, SIZE 6
9570	18 SF	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN
	2 EA	R1-1 - STOP SIGN (36"x36")
9571	114 SF	[UPDATED] SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN
	1 EA	D-3(1) - MOUNT ST -> (VAR.x16")
	1 EA	D-3(1) - <- MOUNT ST (VAR.x16")
	1 EA	D-3(1) - RED PUMP RD -> (VAR.x16")
	1 EA	D-3(1) - <- RED PUMP RD (VAR.x16")
	4 EA	D-3(1) - RISING SUN BYP (VAR.x16")
	2 EA	SHIELD ASSEMBLY - US 1 (30"x51")
	2 EA	SHIELD ASSEMBLY - US 1 (48"x75")

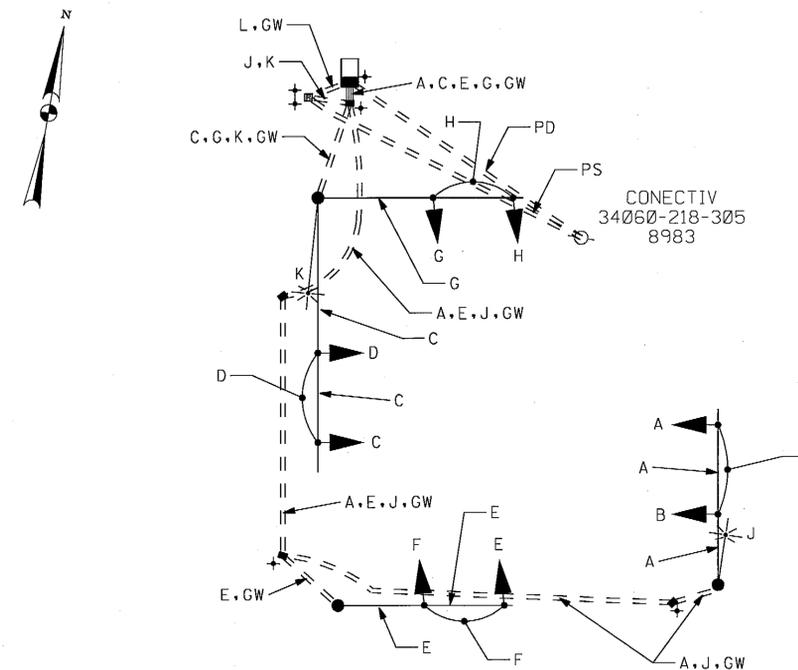
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1003	1 EA	MAINTENANCE OF TRAFFIC
2002	3 CY	TEST PIT EXCAVATION
5003	70 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKINGS
5007	65 LF	24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
8006	2 EA	ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP & LUMINAIRE
8015	2 EA	MAST ARM POLE & 38" MAST ARM ANY 'T' DIMENSION
8021	1 EA	REMOVE & DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT
8022	1 EA	TWIN MAST ARM POLE & 50'/60' MAST ARMS ANY 'T' DIMENSION
8033	235 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4" - SLOTTED
8034	250 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4" - TRENCHED
8035	30 LF	WOOD SIGN SUPPORTS UP TO 4 X 6
8036	132 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8038	295 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8041	1 EA	METERED SERVICE PEDESTAL EMBEDDED
8044	40 LF	ELECTRICAL CABLE - 1 CONDUCTOR NO. 8 AWG - THHN/THWN
8045	4 EA	ELECTRICAL HANDHOLE
8050	8 EA	12" LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8056	90 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8057	840 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8058	400 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TC
8065	1 EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT

C. IF THE CABINET IS TO BE REMOVED SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR EXCEPT AS FOLLOWS: GROUND MOUNTED STREET NAME SIGNS SHALL BE RETURNED TO:

CECIL COUNTY MAINTENANCE FACILITY
191 HARNSVILLE RD
COLORA, MD 21917

WIRING DIAGRAM



WIRING KEY

- A } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- B } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- J } 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE
- K } 2-1 CONDUCTOR ELECTRICAL CABLE (NO. 8 AWG) THHN/THWN
- L } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
- PS } PROPOSED POWER SERVICE
- PS } PHONE DROP
- + } GROUND ROD

CONNECTIV
34060-218-305
8983

TOD NO:XX443-15M
SHA NO:CE367A51/CS1
US 1@RED PUMP RD./MOUNT ST

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 1 AT RED PUMP RD /MOUNT ST
RISING SUN, MARYLAND

PR
100 YEARS
PARSONS BRINCKERHOFF
100 South Charles Street
Lower Level, 10th Floor
Baltimore, MD 21201-2127
Phone: 410-727-5950
Fax: 410-727-4608

GENERAL INFORMATION SHEET

SCALE	1" = 20'	DATE	JUNE 16, 2009	CONTRACT NO.	XX4436185
DESIGNED BY	M. FLUKUJI	COUNTY	CECIL		
DRAWN BY	M. FLUKUJI	LOGMILE	07000107.14		
CHECKED BY	K. PERMISOHN	TIMS NO.	I569		
FAP NO.		TOD NO.			
TS NO.	4717 GI	DRAWING	OF	SHEET NO.	2 OF 2