

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AN INTERSECTION CONTROL BEACON AT THE INTERSECTION OF U.S. 1 AT RECKORD ROAD IN HARFORD COUNTY. U.S. 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A FLASHING MODE WITH THE U.S. 1 SIGNAL INDICATIONS FLASHING YELLOW AND THE RECKORD ROAD SIGNAL INDICATIONS FLASHING RED.

CONTROLLER REQUIREMENTS

INSTALL A FULLY-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER IN A POLE MOUNTED CABINET (NEMA SIZE 5) WITH INTERSECTION MONITOR WITH BATTERY BACK-UP FOR PHONE DROP.

SPECIAL NOTE

UPON COMPLETION OF THIS PROJECT THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT 410-787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE, AND TELEPHONE NUMBER.

PROJECT CONTACTS

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-321-2781 OR 410-321-2885

MS. SUENETTE POPE
UTILITY ENGINEER
410-321-2841

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-321-2764

THE POWER COMPANY REPRESENTATIVE:

MR. GARY SMITH
BGE
410-859-9433

CONTACT PERSONS FOR THE OFFICE OF TRAFFIC AND SAFETY ARE AS FOLLOWS:

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
CHIEF, SIGN OPERATIONS
410-787-7676

MR. MIKE STOCKER
SIGNAL SHOP WAREHOUSE
410-787-7696

EQUIPMENT LIST "B"

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

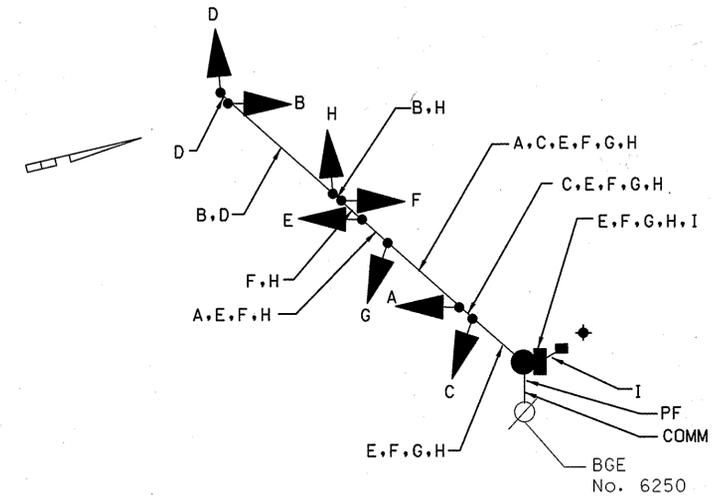
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EXCAVATION
5006	35 LF	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
6005	12 SF	4 INCH SIDEWALK FOR MAINTENANCE PAD
6006	100 LF	FURNISH AND INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER 12" GUTTER PAN 8" DEPTH.
8001	6 CY	CONCRETE FOUNDATION
8025	1 EA	MAST ARM POLE (15 'T) WITH 70 FT MAST ARM
8029	1 EA	REMOVE AND DISPOSE OF EXISTING MATERIALS AND EQUIPMENT PER ASSIGNMENT
8044	10 LF	NO. 6 AWG STRANDED COPPER GROUND WIRE
8045	10 LF	1 INCH ELECTRICAL CONDUIT - GALVANIZED RISER
8047	1 EA	3 INCH WEATHER HEAD
8052	5 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8059	1 EA	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS
8061	60 LF	ELECTRICAL CABLE 1 - CONDUCTOR NO. 4 AWG - THHN/THWN
8067	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8070	28 SF	INSTALL OVERHEAD SIGN
8091	1 EA	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8114	8 EA	FURNISH AND INSTALL LED TRAFFIC SIGNAL HEAD MODULES (ANY SIZE)
8101	95 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5 -CONDUCTOR (NO. 14 AWG)
8102	230 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7 -CONDUCTOR (NO. 14 AWG)
8111	1 EA	INSTALL CONTROLLER & CABINET - POLE MOUNT

C. MATERIAL TO BE REMOVED AND RETURNED TO SHA
NONE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9042	1 EA	CONTROLLER ASC II WITH TELEMETRY
9043	1 EA	CONTROLLER CABINET, SIZE 5
9571	28 SF	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN (1) D3-2 DUAL FACED VAR X 16" (RECKORD ROAD) - MAST ARM MOUNT (2) M95-2(SPECIAL) 24" X 72" (US 1) - POLE MOUNT



WIRING KEY

- A,B,C,D - 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- E,F,G,H, - 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- I - STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- ◆ 3/4 IN. X 10 FT. GROUND ROD
- PF - OVERHEAD POWER FEED
- COMM - OVERHEAD PHONE DROP

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

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
U.S. 1 (BELAIR ROAD) AT RECKORD ROAD
BENSON, MARYLAND

GENERAL INFORMATION SHEET

SCALE 1"=20'	DATE 7/15/05	CONTRACT NO. AT7175185
DESIGNED BY EBY	COUNTY HARFORD	
DRAWN BY EBY	LOGMILE 12001000.52	
CHECKED BY BLB	TIMS NO. H007	
FAP NO. N/A	TOD NO.	
TS NO. 4432	DRAWING: H007SD01.DGN	SHEET NO. 2 OF 2

RK & K
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