

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE CONSTRUCTION OF AN INTERSECTION CONTROL BEACON SIGNAL AT THE INTERSECTION OF MD 7 (PHILADELPHIA ROAD) AND MD 136 (CALGARY ROAD) IN HARFORD COUNTY, MARYLAND. MD 7 (PHILADELPHIA ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE WITH THE MD 7 (PHILADELPHIA ROAD) APPROACHES FLASHING YELLOW AND THE MD 136 (CALGARY ROAD) APPROACH FLASHING RED.

CONTROLLER REQUIREMENTS

INSTALL A TWO-CIRCUIT FLASHER UNIT WITH PHOTO-CELL, DIMMER SWITCH AND INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET.

PHONE DROP

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 THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.

MAINTENANCE OF TRAFFIC

THE FOLLOWING MINIMUM TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

- STANDARD NO. MD-104.02-01 (SHOULDER WORK)
- STANDARD NO. MD-104.02-09 (FLAGGING OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2785

MR. MIKE PASQUARIELLO
ASST. DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

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

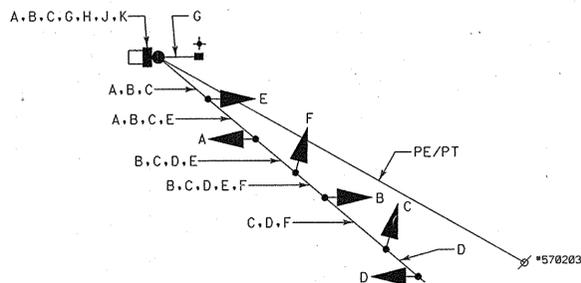
WIRING DIAGRAMS

WIRING KEY

- A B C } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- D E F } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- G } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- H J K } 1-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)

+ - 3/4 IN. X 10 FT. GROUND ROD

PE/PT - PROPOSED OVERHEAD ELECTRICAL AND TELEPHONE SERVICE



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9080	1 EACH	TWO CIRCUIT FLASHER UNIT WITH PHOTOCELL, DIMMER SWITCH AND INTERSECTION MONITOR WITH BATTERY BACK-UP FOR PHONE DROP HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET.

EQUIPMENT LIST "B"

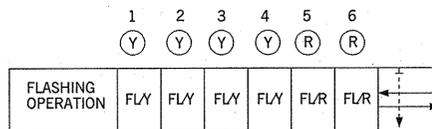
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	1 C.Y.	TEST PIT EXCAVATION
6002	12 S.F.	4 INCH CONCRETE SIDEWALK
8001	6 EACH	12 INCH LED SIGNAL HEAD SECTION
8018	1 EACH	STEEL POLE WITH A SINGLE 70 FOOT MAST ARM
8034	5 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 IN. - TRENCHED
8040	10 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8043	1 EACH	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS
8044	140 L.F.	ELECTRICAL CABLE - 1 CONDUCTOR NO. 4 A.W.G - THHN/THWN
8046	1 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8055	70 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G)
8056	250 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G)
8063	1 EACH	INSTALL CONTROLLER AND CABINET - POLE MOUNT

EQUIPMENT LIST "C"

NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

PHASE CHART



TOD NO: AT912-04
SHA No.: HA333A51/C51
MD 7 @ MD 136

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 7 (Philadelphia Road) @ MD 136 (Calvary Road)
Abingdon, MD

GENERAL INFORMATION SHEET

SCALE	NONE	DATE	12/29/2007	CONTRACT NO.	AT9125185
DESIGNED BY	B. Donorway	COUNTY	Harford		
DRAWN BY	B. Donorway	LOGMILE	12007007.28		
CHECKED BY	N. Leary	TIMS NO.	H231		
FAP NO.		TOD NO.			
TS NO.	4555	DRAWING	- OF	SHEET NO.	2 OF 2

WR&A
Whitman, Reardon and Associates, LLP
Engineers, Architects and Planners
801 South Caroline Street
Baltimore, Maryland 21231
410-235-3450

BY: sbloss