

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING INTERSECTION CONTROL BEACON AT THE INTERSECTION OF MD 807 (BEDFORD ROAD) AND MD 144 (NAVES CROSS ROAD) IN ALLEGANY COUNTY, MARYLAND. MD 807 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER, INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP AND ASSOCIATED HARNESSES HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.

PHONE DROP

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7630 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 TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.02-02 (SHOULDER WORK)

STANDARD NO. MD-104.02-10 (FLAGGING OPERATION)

STANDARD NO. MD-104.02-14 (INTERSECTION FLAGGING OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

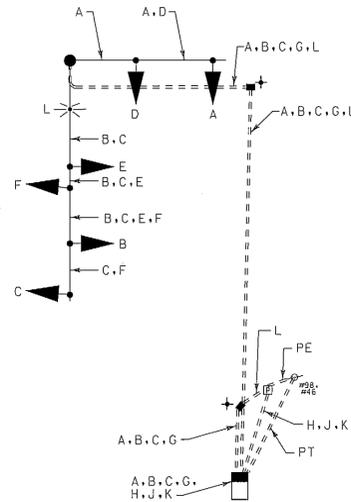
MR. GEORGE SMALL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 729-8444
MR. DWAYNE BITTNER
ACTING ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 729-8457
MR. DAVID FELKER
DISTRICT UTILITY ENGINEER
PHONE: (301) 729-8439

MR. ROBERT SNYDER
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631
MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM

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. 8 A.W.G.)
- L } 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.) TRAY CABLE
- PT - PROPOSED UNDERGROUND TELEPHONE SERVICE
- PE - PROPOSED UNDERGROUND ELECTRICAL SERVICE
- + - 3/4 IN. X 10 FT. GROUND ROD



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9042	1 EACH	EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH INTERSECTION MONITOR HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET
9571	83 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 3 EACH D-3(1) SIGN (VARIABLE X 16 IN.) DUAL FACED - MAST ARM MOUNT - 1 EACH W3-1 (36"x36") - GROUND MOUNT - 1 EACH M4-5 (24"x12"), M1-1 (24"x24"), M5-1L (21"x15"), M2-1 (21"x15"), M1-5 (30"x24") AND D-3(2) (VAR.X12") - GROUND MOUNT - 1 EACH M4-5 (24"x12"), M1-1 (24"x24"), M5-1R (21"x15"), M2-1 (21"x15"), M1-5 (30"x24") AND D-3(2) (VAR.X12") - GROUND MOUNT

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

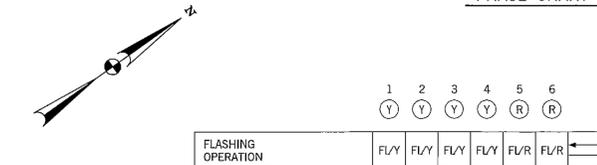
EXISTING CONTROLLER AND AUXILIARY EQUIPMENT FROM THE CABINET WILL BE REMOVED AND BECOME PROPERTY OF SHA. ANY ADDITIONAL SIGNAL MATERIALS REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR

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	2 C.Y.	TEST PIT EXCAVATION
5003	45 L.F.	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5005	35 L.F.	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6004	12 L.F.	TRAFFIC BARRIER W BEAM USING 6 FOOT POST
6006	1 EACH	TYPE K TRAFFIC BARRIER END TREATMENT, ANY OPTION
8001	6 EACH	12 INCH LED SIGNAL HEAD SECTION
8007	1 EACH	ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP AND LUMINAIRE
8012	1 EACH	EMBEDDED METERED SERVICE PEDESTAL
8023	1 EACH	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8025	1 EACH	TWIN MAST ARM POLE & 50' /60' MAST ARMS ANY "T" DIMENSION
8034	180 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TYPE T/C
8036	80 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - BORED
8038	100 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8039	92.5 L.F.	WOOD SIGN SUPPORTS UP TO 4' X 6'
8040	83 S.F.	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8042	150 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8045	45 L.F.	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG - THHN/THWN
8046	2 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8051	2 EACH	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8055	95 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8056	680 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8062	1 EACH	INSTALL CONTROLLER AND CABINET - BASE MOUNT (ANY SIZE)

PHASE CHART



TOD NO: XX650-01
SHA NO: AL410B51
MD 807 @ MD 144

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 807 AT MD 144 (NAVES CROSS ROAD)
CUMBERLAND, MD

GENERAL INFORMATION SHEET

SCALE	NONE	DATE	06/24/2011	CONTRACT NO.	XX6505185
DESIGNED BY	L.WAESCHKE	COUNTY	ALLEGANY		
DRAWN BY	L.WAESCHKE	LOGMILE	010.807.00.32		
CHECKED BY	N.LEARY	TMS NO.	K805		
F.A.P. NO.		TOD NO.			
TS NO.	531E	DRAWING	TSP-2	OF	2
		SHEET NO.	2	OF	2

WR&A
WHITMAN, REQUARDT & ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21231

BY: lwaeschke