

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A BATTERY BACK-UP SYSTEM AT SOUTHBOUND MD 3 AND THE NORTHBOUND MD 3 'J' TURN IN ANNE ARUNDEL COUNTY. MD 3 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA 2 PHASE, FULLY ACTUATED MODE.

CONTROLLER REQUIREMENTS

INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH SYSTEM PACKAGE, ONE (1), FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER AND VIDEO DETECTION INTERFACE EQUIPMENT HOUSED IN A NEMA "6" BASE MOUNTED CABINET.

SPECIAL NOTE

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

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MRS. KIM TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 841-1003

MR. JOE GECKLE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 841-1002

MR. MIKE HUBER
UTILITY ENGINEER
(410) 841-1005

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

CHIEF - TRAFFIC OPERATIONS
(410) 787-7630

MR. EUGENE BAILEY
CHIEF - SIGN OPERATIONS SECTION
(410) 787-7676

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF - TRAFFIC OPERATIONS
(410) 787-7631

MR. MICHAEL STOCKER
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

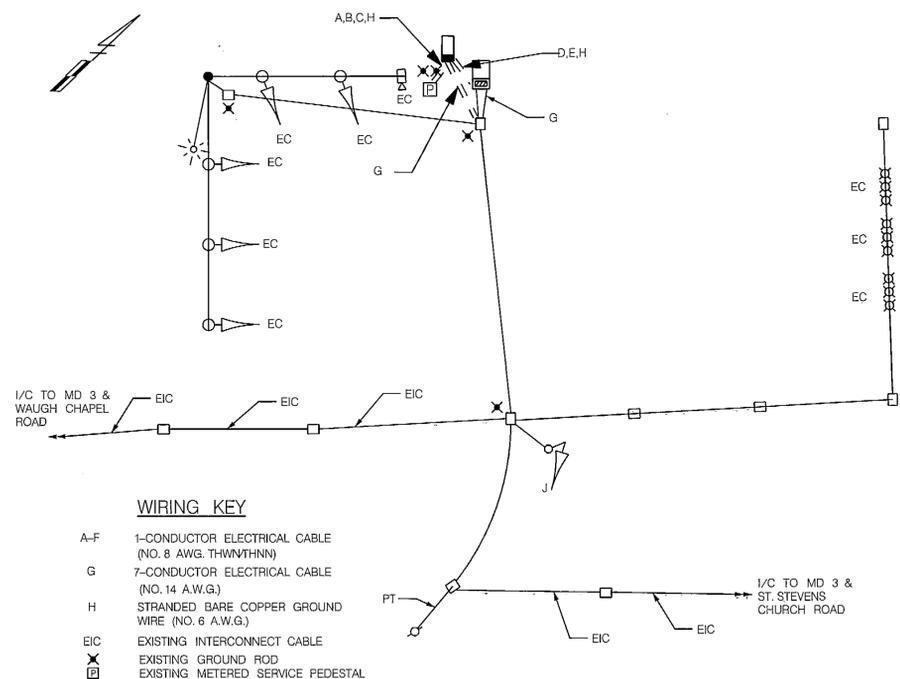
MR. ED RODENHIZER
CHIEF - SIGNAL OPERATIONS SECTION
(410) 787-7652

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

ITEM	QUANTITY	DESCRIPTION
1001	EA	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EXCAVATION
8031	1 EA	F&I UNINTERRUPTABLE POWER SUPPLY SYSTEM IN SIZE 5 CABINET
8043	40 LF	F&I UP TO 4" PVC CONDUIT SCHEDULE 80 PVC - TRENCHED
8047	60 LF	F&I No. 6 AWG STRANDED BARE COPPER GROUND WIRE
8050	90	F&I ELECTRICAL CABLE 1-CONDUCTOR No. 8 AWG THHN/THWN
8061	30 LF	F&I ELECTRICAL CABLE 7-CONDUCTOR No. 14 AWG

WIRING DIAGRAM



EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6
PHASE 2	G	G	G	R	R	R
2 CHANGE	Y	Y	Y	R	R	R
PHASE 4	R	R	R	G	G	G
4 CHANGE	R	R	R	G	G	G
FLASHING OPERATION	FLR	FLR	FLY	FLR	FLR	FLR

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

**SOUTHBOUND MD 3 AT
NORTHBOUND MD 3 "J-TURN"**

GENERAL INFORMATION PLAN

SCALE NONE DATE 1-25-2013 CONTRACT NO. XY1395185

DESIGNED BY FJA COUNTY ANNE ARUNDEL
DRAWN BY FJA LOGMILE 02000304.16
CHECKED BY T.I.M.S. NO. L477
F.A.P. NO. N/A TOD NO.

TS- 4725 A GI SHEET NO. 2 OF 2