

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 3 AND MD 424 /CONWAY ROAD IN ANNE ARUNDEL COUNTY. THE WORK CONSIST OF INSTALLING BATTERY BACK-UP. MD 3 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULLY-TRAFFIC-ACTUATED MODE WITH LEAD /LAG EXCLUSIVE LEFT TURN PHASES FOR NORTHBOUND AND SOUTHBOUND MD 3 AND SIDE STREET SPLIT PHASING. THIS WILL NOT CHANGE.

CONTROLLER REQUIREMENTS

THE EXISTING EIGHT-PHASE, FULLY-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED SIZE 6 CABINET WILL BE REPLACED WITH A SIZE "S" CABINET.

EQUIPMENT LIST "A"

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

ITEM NO.	QUANTITY	DESCRIPTION
9104	1 EA.	CONTROLLER CABINET SIZE "S" WITH CONTROL, VIDEO EQUIPMENT 1-8 CAMERAS
9109	1 EA.	EXTENDER BASE FOR SIZE "S" CABINET
9110	1 EA.	UPS EQUIPMENT FOR SIZE "S" CABINET

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.

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.

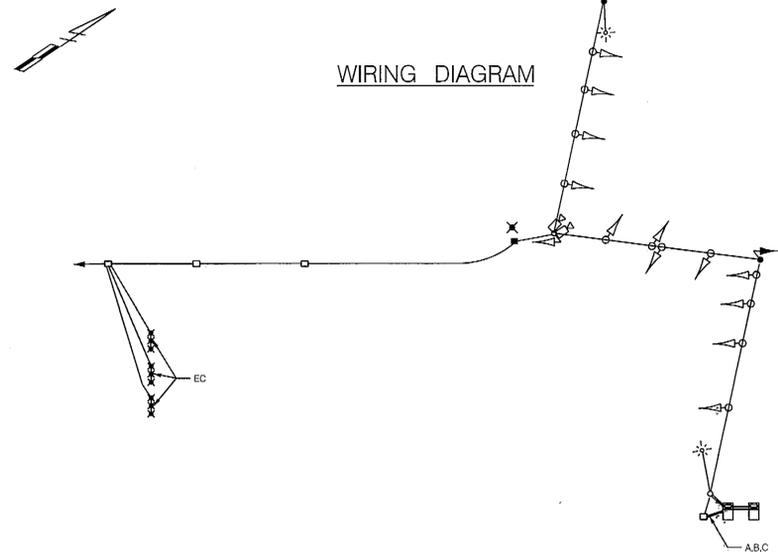
ITEM	QUANTITY	DESCRIPTION
1001	1 EA.	MAINTENANCE OF TRAFFIC
8042	90 LF	No. 6 STRANDED BARE COPPER GROUND WIRE
8045	180 LF	1- CONDUCTOR ELECTRICAL CABLE No. 8 AWG THHN-THWN
8063	1 EA.	INSTALL CONTROLLER CABINET BASE MOUNT

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MRS. KIM TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC (410) 841-1003	MR. JOE GECKEL ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 841-1002
MR. MIKE HUBER ASSISTANT DISTRICT ENGINEER - UTILITIES (410) 841-1005	

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

CHIEF, TRAFFIC OPERATIONS DIVISION (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. MIKE STOCKER SUPPLY OFFICE SIGNAL SHOP WAREHOUSE (410) 787-7668
MR. ED RODENHIZER CHIEF, SIGNAL OPERATIONS SECTION (410) 787-7652	

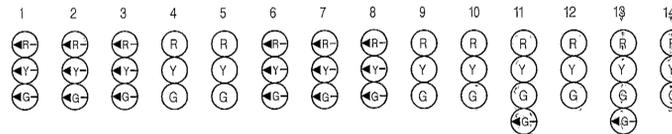


WIRING DIAGRAM

WIRING KEY

- A,B 1- CONDUCTOR ELECTRICAL CABLE (#6 AWG) (BLACK AND WHITE)
- C 1- CONDUCTOR BARE STRANDED COPPER GROUND WIRE (#6AWG)
- X GROUND ROD
- EC EXISTING CABLE

PHASING CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 2 + 5	←R→	←R→	←R→	R	R	←G→	←G→	←G→	G	G	R	R	R	R
5 CHANGE	←R→	←R→	←R→	R	R	←Y→	←Y→	←G→	G	G	R	R	R	R
PHASE 2 + 6	←R→	←R→	←R→	G	G	←R→	←R→	←G→	G	G	R	R	R	R
2 + 6 CHANGE	←R→	←R→	←R→	Y	Y	←R→	←R→	←Y→	Y	Y	R	R	R	R
PHASE 1 + 6	←G→	←G→	←G→	G	G	←R→	←R→	←R→	R	R	R	R	R	R
1 CHANGE	←Y→	←Y→	←Y→	G	G	←R→	←R→	←R→	R	R	R	R	R	R
PHASE 3	←R→	←R→	←R→	R	R	←R→	←R→	←R→	R	R	←G→	G	R	R
3 CHANGE	←R→	←R→	←R→	R	R	←R→	←R→	←R→	R	R	Y	Y	R	R
PHASE 4	←R→	←R→	←R→	R	R	←R→	←R→	←R→	R	R	R	R	←G→	G
4 CHANGE	←R→	←R→	←R→	R	R	←R→	←R→	←R→	R	R	R	R	Y	Y
FLASHING OPERATION	FLR	FLR	FLR	FLY	FLY	FLR	FLR	FLY	FLY	FLY	FLR	FLR	FLR	FLR

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

GENERAL INFORMATION PLAN
MD 3 AND MD 424 /CONWAY ROAD

SCALE NONE DATE 1/14/2013 CONTRACT NO. XY1395185

DESIGNED BY FJA COUNTY ANNE ARUNDEL
DRAWN BY FJA LOGMILE 0200302.21
CHECKED BY T.J.M.S. NO. L477
F.A.P. NO. N/A TOD NO.

DRAWING NO. TS-160 M GI SHEET NO. 3 OF 3