

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 2 (RITCHIE HIGHWAY) AND 11TH AVENUE IN ANNE ARUNDEL COUNTY, MARYLAND.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 2 APPROACHES OPERATING CONCURRENTLY AND THE 11TH AVENUE APPROACHES OPERATING CONCURRENTLY.

TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS

MD 2 (RITCHIE HIGHWAY) AND 11TH AVENUE - NORTH LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS RITCHIE AT 11TH. WAIT." *
WALK: RAPID TICK

WEST 11TH AVENUE AND MD 2 (RITCHIE HIGHWAY) - WEST LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS WEST 11TH AT RITCHIE. WAIT." *
WALK: RAPID TICK

EAST 11TH AVENUE AND MD 2 (RITCHIE HIGHWAY) - EAST LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS EAST 11TH AT RITCHIE. WAIT." *
WALK: RAPID TICK

* MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPENDICULAR CROSSING IS < 10'
** MESSAGE USED IF CROSSWALK DIVERGES FROM OR CONVERGES WITH PARALLEL TRAFFIC

NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

CONTROLLER REQUIREMENTS

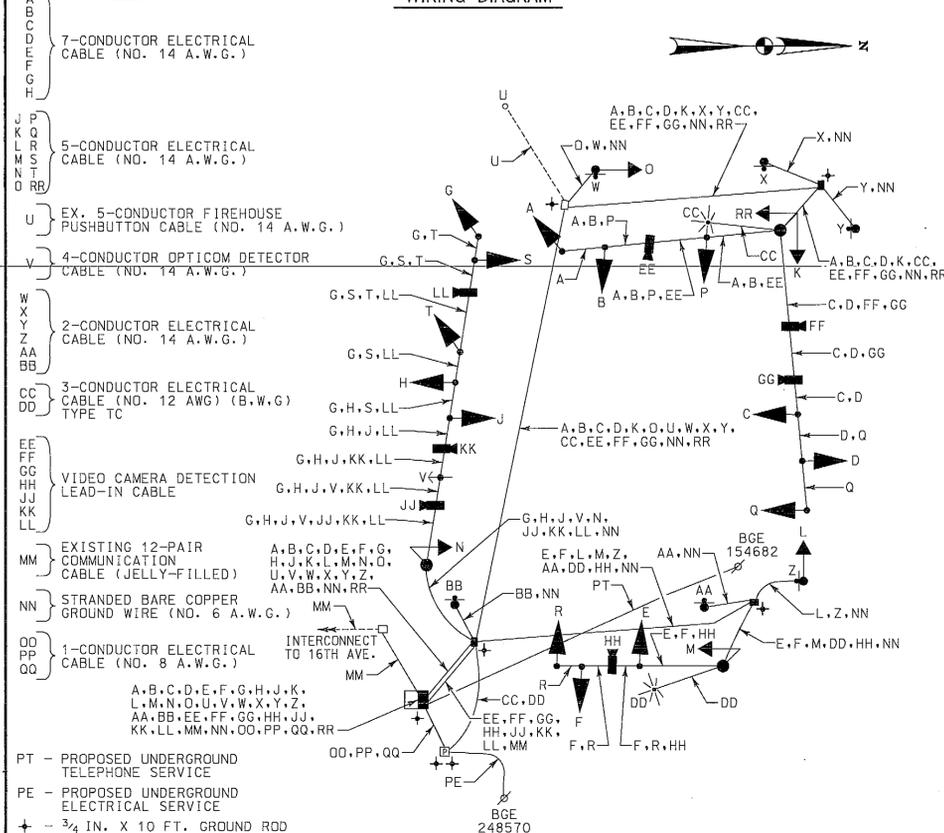
INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH SYSTEM PACKAGE, VIDEO INTERFACE EQUIPMENT (1-8 CAMERAS), INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP AND ASSOCIATED HARNESSES HOUSED IN A NEMA SIZE "S" BASE MOUNTED CABINET.

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.

WIRING KEY

WIRING DIAGRAM



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

Table with columns: ITEM NO., QUANTITY, DESCRIPTION. Lists items like CONTROLLER CABINET, SHEET ALUMINUM SIGNS, and various traffic signs.

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. KIMBERLY TRAN, ASSISTANT DISTRICT ENGINEER - TRAFFIC; MR. MIKE HUBER, DISTRICT UTILITY ENGINEER; MR. JOE GECKLE, ASSISTANT DISTRICT ENGINEER - MAINTENANCE; MS. CORREN JOHNSON, CHIEF, TRAFFIC OPERATIONS DIVISION.

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-104.04-01 (SHOULDER WORK); STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE); STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE); STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING OPERATION)

PHASE CHART

Phase chart table showing traffic signal phases (e.g., PHASE 1 AND 5, PHASE 1 + 6) and corresponding signal states (R, G, Y, F, D, W, etc.) for various approaches.

EQUIPMENT LIST "B"

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

Table with columns: ITEM NO., QUANTITY, DESCRIPTION. Lists items like MAINTENANCE OF TRAFFIC, EXCAVATION, PAVEMENT MARKING LINES, SIGNAL HEAD SECTION, etc.



STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 2 (Ritchie Highway) and 11th Avenue Brooklyn Park, MD

GENERAL INFORMATION SHEET

SCALE: NONE ADVERTISED DATE: 4/22/2013 CONTRACT NO.: XY15185 DESIGNED BY: S. Bloss COUNTY: Anne Arundel DRAWN BY: S. Bloss LOGMILE: 02000240.68 CHECKED BY: N. Leary TMS NO.: L226 F.A.P. NO.: TOD NO.: TS NO. 794 G DRAWING TSP-3 OF 3 SHEET NO. 3 OF 3