

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE PARTIAL RECONSTRUCTION AND INSTALLATION OF APS/CPS TO THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 212 (POWDER MILL ROAD) AND EVANS TRAIL/ALLVIEW DRIVE IN PRINCE GEORGES COUNTY, MARYLAND. MD 212 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 212 APPROACHES OPERATING CONCURRENTLY AND THE EVANS TRAIL/ALLVIEW DRIVE APPROACHES OPERATING CONCURRENTLY.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR THE EASTBOUND AND WESTBOUND MD 212 APPROACHES.

AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS THE WEST LEG OF MD 212 AND ACROSS EVANS TRAIL AND ALLVIEW DRIVE.

TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS

1. ALLVIEW DRIVE AND MD 212 (POWDER MILL ROAD) - NORTH APPROACH

TYPICAL INTERSECTION, STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS ALLVIEW AT POWDER MILL" *

WALK: RAPID TICK

2. EVANS TRAIL AND MD 212 (POWDER MILL ROAD) - SOUTH APPROACH

TYPICAL INTERSECTION, STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS EVANS AT POWDER MILL." *

WALK: RAPID TICK

3. MD 212 (POWDER MILL ROAD) AND EVANS TRAIL/ALLVIEW DRIVE - WEST APPROACH

TYPICAL INTERSECTION, STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS POWDER MILL AT ALLVIEW AND EVANS" *

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 ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS, SYSTEM PACKAGE, VIDEO INTERFACE EQUIPMENT (1-4 CAMERAS), 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) 787-7635 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 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-104.04-13 (LEFT TURN BAY CLOSURE)

STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. BRIAN YOUNG
PHONE: (301) 513-7404
ASSISTANT DISTRICT ENGINEER - TRAFFIC (PRINCE GEORGE'S)

MR. AUGIE REBISH
DISTRICT UTILITY ENGINEER
PHONE: (301) 513-7350

MR. VERNON STINNETT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

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

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

Table with columns: ITEM NO., QUANTITY, DESCRIPTION. Includes items like VIDEO INTERFACE EQUIPMENT, 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.

EQUIPMENT LIST "B"

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

Table with columns: ITEM NO., QUANTITY, DESCRIPTION. Includes items like MAINTENANCE OF TRAFFIC, TEST PIT EXCAVATION, PAVEMENT MARKING LINES, and various cables and signs.



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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 212 (Powder Mill Road) and
Evans Trail/Allview Drive

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 7/23/2009 CONTRACT NO. PG6705168

DESIGNED BY S. Bloss COUNTY Prince George's

DRAWN BY S. Bloss LOGMILE 16021207.38

CHECKED BY N. Leary TMS NO. 1262

F.A.P. NO. TOD NO.

TS NO. 3484 C DRAWING TSP-5 OF 5 SHEET NO. 45 OF 45

Handwritten signature and stamp: Jumbo v. Public 12/1/09, MEDLINE REVISION NO. 2, REVISED DIMENSION DIAGRAM, 11/30/2009