

GENERAL

THIS PORTION OF THE PROJECT INVOLVES INSTALLATION OF A NEW TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 237 (CHANCELLORS RUN ROAD) AND BUCK HEWITT ROAD / NORRIS ROAD IN ST. MARYS COUNTY, MARYLAND. MD 237 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 237 APPROACHES OPERATING CONCURRENTLY AND THE BUCK HEWITT ROAD / NORRIS ROAD APPROACHES OPERATING CONCURRENTLY.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR THE NORTHBOUND AND SOUTHBOUND MD 237 APPROACHES.

AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS THE SOUTH LEG OF MD 237. PEDESTRIAN INDICATIONS ARE PROPOSED ACROSS BUCK HEWITT ROAD AND NORRIS ROAD.

EMERGENCY PRE-EMPTION PHASES WILL BE PROVIDED FOR THE NORTHBOUND AND SOUTHBOUND MD 237 APPROACHES, THE NORRIS ROAD APPROACH AND THE BUCK HEWITT ROAD APPROACH.

TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS

SOUTH LEG - MD 237 (CHANCELLORS RUN ROAD) AND NORRIS ROAD/BUCK HEWITT ROAD

WAIT: "WAIT TO CROSS CHANCELLORS RUN AT NORRIS AND BUCK HEWITT."*

WALK: RAPID TICK

EAST LEG - BUCK HEWITT ROAD AND MD 237 (CHANCELLORS RUN ROAD)

WAIT: "WAIT TO CROSS BUCK HEWITT AT CHANCELLORS RUN."*

WALK: RAPID TICK

WEST LEG - NORRIS ROAD AND MD 237 (CHANCELLORS RUN ROAD)

WAIT: "WAIT TO CROSS NORRIS AT CHANCELLORS RUN."*

WALK: RAPID TICK

* MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPIDICULAR 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 VIDEO INTERFACE EQUIPMENT (1-4) CAMERAS, ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS WITH SYSTEM PACKAGE, MASTER CONTROLLER WITH TELEMETRY 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 MAYBE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.02-01 (SHOULDER WORK)

STANDARD NO. MD-104.02-03 (LANE SHIFT)

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

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019

MR. MIKE HUBER
DISTRICT UTILITY ENGINEER
PHONE: (301) 624-8115

MR. JOHN S. MAYS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013

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



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THE LANE
CONSTRUCTION
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EQUIPMENT LIST "A"

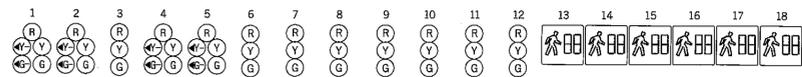
A. EQUIPMENT TO BE SUPPLIED BY THE SHA

Table with columns: ITEM NO., QUANTITY, DESCRIPTION. Includes items 9044, 9086, 9571 with descriptions of traffic control equipment like signal controllers, video detection, and signs.

EQUIPMENT LIST "C"

NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

PHASE CHART



Phase chart table with columns for phases 1-18 and rows for various traffic states like PHASE 1 AND 5, PHASE 1 + 6, PHASE 2 + 5, PHASE 2 + 6, PED CLEARANCE, EMERGENCY PRE-EMPTION 1 & 2, EMERGENCY PRE-EMPTION 3, FLASHING OPERATION.

EQUIPMENT LIST "B"

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

Table with columns: CATEGORY CODE, QUANTITY, DESCRIPTION. Lists various materials and equipment like excavations, pavement markings, conduits, cables, and signs.

SHA logo and address: STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 237 AND BUCK HEWITT ROAD / NORRIS ROAD

GENERAL INFORMATION SHEET

Information sheet table with fields for SCALE, DESIGNED BY, DRAWN BY, CHECKED BY, F.A.P. NO., TS NO., DRAWING, and SHEET NO.



Whitman, Requardt and Associates, LLP

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