

**PROJECT DESCRIPTION**

**GENERAL**

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 22 (ABERDEEN THRUWAY) AND MT. ROYAL AVENUE IN HARFORD COUNTY, MARYLAND. MD 22 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

**INTERSECTION OPERATION**

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

**CONTROLLER REQUIREMENTS**

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

**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-104.04-05 (RIGHT LANE CLOSURE)

**PROJECT CONTACTS**

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 321-2785

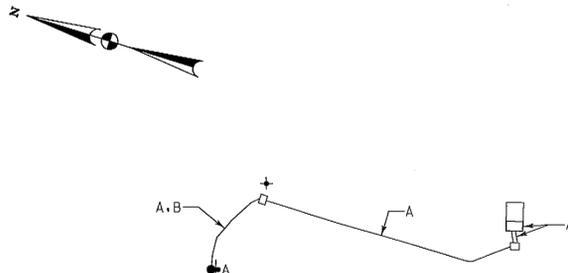
MR. ROBERT SYNDER  
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7631

MR. ANDRE FUTRELL  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 321-2761

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

MR. MIKE PASQUARIELLO  
ASSISTANT DISTRICT UTILITY ENGINEER  
PHONE: (410) 321-2841

**WIRING DIAGRAM**



**WIRING KEY**

- A } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- + - 3/4 IN. X 10 FT. GROUND ROD



**WHITMAN, REQUARDT & ASSOCIATES, LLP**  
801 South Caroline Street, Baltimore, Maryland 21231

**EQUIPMENT LIST "A"**

NO EQUIPMENT TO BE SUPPLIED BY THE SHA

**EQUIPMENT LIST "B"**

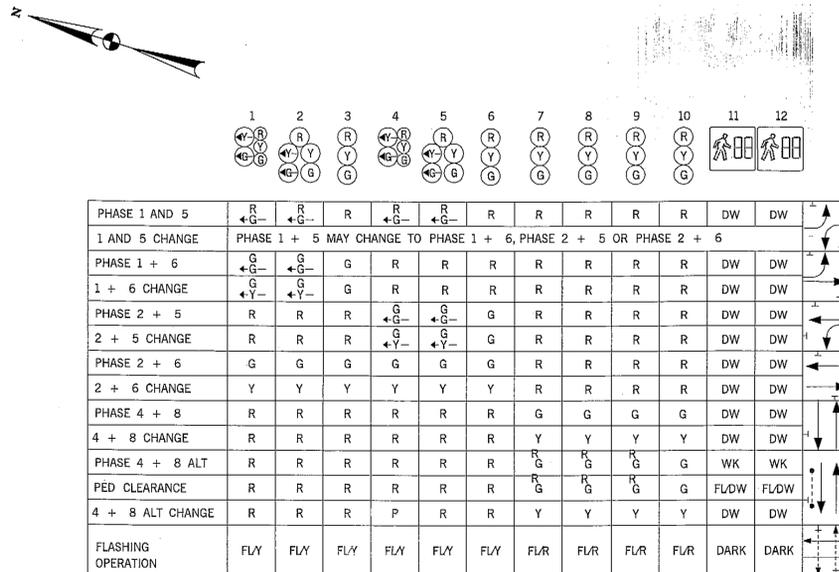
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1002	1 EACH	MAINTENANCE OF TRAFFIC
8002	1 EACH	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8007	1 EACH	REM & DISPOSE MAT & EQUIP PER ASSIGN
8012	35 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8013	25 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8016	1 S.F.	RELOCATED EXISTING GROUND MOUNTED SIGNS
8020	130 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)

**EQUIPMENT LIST "C"**

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA  
ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

**PHASE CHART**



**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 22 (Aberdeen Thruway) and Mt. Royal Avenue

**GENERAL INFORMATION SHEET**

SCALE: NONE, ADVERTISED DATE: 10/8/2010, CONTRACT NO.: AX7045168

DESIGNED BY: S. Bloss, COUNTY: Harford

DRAWN BY: S. Bloss, LOGMILE:

CHECKED BY: N. Leary, TMS NO.: J827

F.A.P. NO.: SEE TITLE SHEET, TOD NO.:

TS NO. 1438 D, DRAWING TSP-2 OF 2, SHEET NO. 2 OF 2