

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING INTERSECTION CONTROL BEACON TO A FULL TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 7 (PHILADELPHIA ROAD) AND HOSPITAL DRIVE IN BALTIMORE COUNTY, MARYLAND. MD 7 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 7 APPROACHES OPERATING CONCURRENTLY AND HOSPITAL DRIVE APPROACH OPERATING ALONE.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR THE EASTBOUND MD 7 APPROACH.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE EXISTING CABINET WILL BE RETRO-FITTED TO OPERATE VIDEO DETECTION INTERFACE EQUIPMENT.

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-104.02-09 (FLAGGING OPERATION)
- STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 229-2380

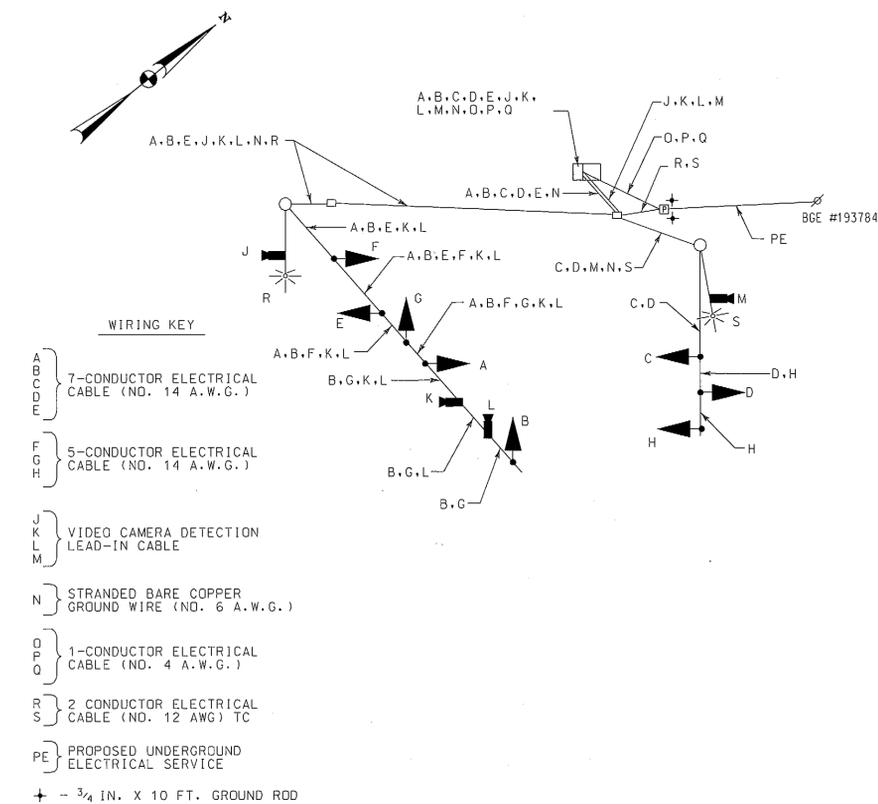
MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 229-2361

MR. MIKE PASQUARIELLO
DISTRICT UTILITY ENGINEER
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MR. ROBERT SYNDER
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

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

WIRING DIAGRAM



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY CODE	QUANTITY	DESCRIPTION
900000	1 EACH	VIDEO INTERFACE EQUIPMENT (1-8 CAMERAS)
973023	76 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 2 EACH D-3(2) SIGN (VARIABLE x 16 IN.) - GROUND MOUNT - 1 EACH M1-5(6) ASSOCIATED SHIELD ASSEMBLY "WEST, MD 7, RIGHT ARROW" (24 IN. x 48 IN.) - GROUND MOUNT - 1 EACH M1-5(6) ASSOCIATED SHIELD ASSEMBLY "EAST, MD 7, LEFT ARROW" (36 IN. x 72 IN.) - GROUND MOUNT - 2 EACH W3-3 SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL (24 IN. x 24 IN.) AND FLAG - GROUND MOUNT

EQUIPMENT LIST "B"

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

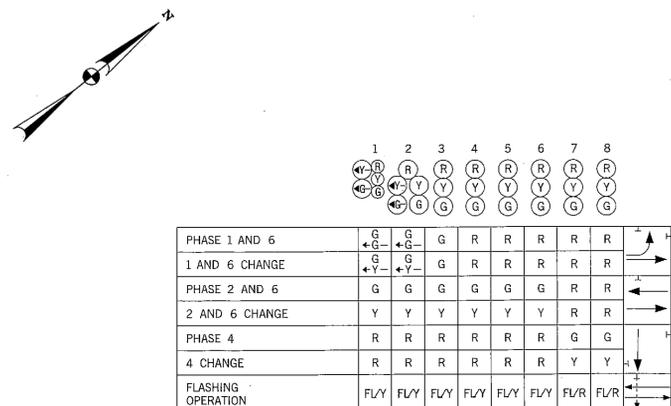
CATEGORY CODE	QUANTITY	DESCRIPTION
203030	1 C.Y.	TEST PIT EXCAVATION
585412	95 L.F.	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585424	75 L.F.	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
801106	90 L.F.	WOOD SIGN SUPPORTS 4 INCH X 6 INCH
802501	50 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805118	70 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
805125	20 L.F.	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805140	90 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
807202	1 EACH	METERED SERVICE PEDESTAL
813014	76 SF	INSTALL GROUND MOUNTED SIGN
816015	1 EACH	VIDEO INTERFACE EQUIPMENT
832017	105 L.F.	ELECTRICAL CABLE - 1 CONDUCTOR, NO. 4 AWG, TYPE USE 600V
837001	2 EACH	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
860284	25 EACH	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861107	70 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	500 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
861116	235 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)
800000	1 EACH	REM & DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
800000	4 EACH	VIDEO DETECTION CAMERA AND CABLE
800000	3 EACH	8 INCH LED SIGNAL HEAD SECTION

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 7 (Philadelphia Road) and Hospital Drive
Rossville, MD

GENERAL INFORMATION SHEET

SCALE: NONE ADVERTISED DATE: 12/20/2011 CONTRACT NO.: BA9445176

DESIGNED BY: S. Bloss COUNTY: Baltimore
DRAWN BY: S. Bloss LOGMILE: 03007003.74
CHECKED BY: N. Leary TMS NO.: J835
F.A.P. NO.: TOD NO.:

TS NO. 4560 A DRAWING TSP-2 OF 2 SHEET NO. 35 OF 39

WR&A
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