PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF EXISTING LOOP DETECTION TO VIDEO DETECTION AT MD 543 & MD 136, MD 543 & WHEEL ROAD, MD 623 & US 1, AND US 40 & MD 132. THIS PROJECT IS LOCATED HARFORD COUNTY, MARYLAND.

MD 543 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

MD 623 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

MD 543 AND WHEEL ROAD

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MD 543 AND MD 136

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE DETECTOR RACK WILL BE RETRO-FITTED WITH ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER.

U.S. 1 AND MD 623

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE DETECTOR RACK WILL BE RETRO-FITTED WITH ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER.

U.S. 40 AND MD 132

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-104.04-03 (LEFT LANE CLOSURE)
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)
STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)
STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)
STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

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

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

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

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
* 9016	2 EACH	4 CHANNEL DETECTOR AMPLIFIER
* 9046	2 EACH	DETECTOR RACK RETROFIT
* 9086	4 EACH	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

* To Be Installed by SHA SIGNAL SHOP

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8003	2 EACH	CLAMP ON VIDEO CAMERA ARM
8006	1 EACH	REMOVE AND DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNEMENT
8007	11 EACH	VIDEO DETECTION CAMERA & CABLE
8011	430 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - BORED
8013	55 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED
8018	6 EACH	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
8019	13 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

TOD NO:XX356-04
SHA NO:HA378K52
US 1,US 40,MD 543 V.L.

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

Video Detection Upgrades

U.S. 40, U.S. 1 and MD 543

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 9252009 CONTRACT NO. XX3565168

DESIGNED BY S. Bloss
DRAWN BY S. Bloss
CHECKED BY N. Leary
F.A.P. NO.
COUNTY Harford
LOGMILE
TIMS NO. J906
TOD NO.

TS NO. | DRAWING TSP-6 OF 6 | SHEET NO. 6 OF 6

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

BY: sbloss

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