

**PROJECT DESCRIPTION**

**GENERAL**

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF EXISTING LOOP DETECTION TO VIDEO DETECTION AND THE REPLACEMENT OF BACK DETECTION DUE TO RESURFACING AT THE INTERSECTIONS OF MD 542 HILLENDALE/LOCH RAVEN PLAZA SHOPPING CENTER, MD 542 & GOUCHER BOULEVARD, MD 542 DEANWOOD ROAD/GLENDALE ROAD AND MD 542 AND LOCH HILL ROAD. THIS PROJECT IS LOCATED IN BALTIMORE COUNTY, MARYLAND.

MD 542 (LOCH RAVEN BOULEVARD) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**

THE INTERSECTION OPERATION WILL REMAIN THE SAME AT EACH INTERSECTION.

**CONTROLLER REQUIREMENTS**

MD 542 HILLENDALE/LOCH RAVEN PLAZA SHOPPING CENTER  
THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MD 542 & GOUCHER BOULEVARD  
THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MD 542 DEANWOOD ROAD/GLENDALE ROAD  
THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MD 542 AND LOCH HILL ROAD  
THE EXISTING POLE 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-104.04-13 (LEFT TURN BAY CLOSURE)  
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)  
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

**EQUIPMENT LIST "A"**

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
900000	4 EACH	VIDEO INTERFACE EQUIPMENT: 1-8 CAMERAS
973023	20 L.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 1 EACH R3-5(R) (30 IN. x 36 IN.) - SPAN MOUNT - 1 EACH R10-12(2) (48 IN. x 36 IN.) - SPAN MOUNT

**EQUIPMENT LIST "C"**

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

**PHASE CHART**

THE EXISTING PHASING AT EACH INTERSECTION WILL REMAIN THE SAME.

**EQUIPMENT LIST "B"**

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

CATEGORY CODE	QUANTITY	DESCRIPTION
805150	160 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED
805155	65 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED
805160	60 L.F.	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
810550	5 EACH	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE
810555	3 EACH	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE
810605	3 EACH	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
811001	2 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	20 S.F.	INSTALL OVERHEAD SIGN
816001	11 EACH	VIDEO DETECTION CAMERA
816005	5 EACH	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA
816010	6 EACH	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA
862102	170 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
800000	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT

**PROJECT CONTACTS**

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 229-2381

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

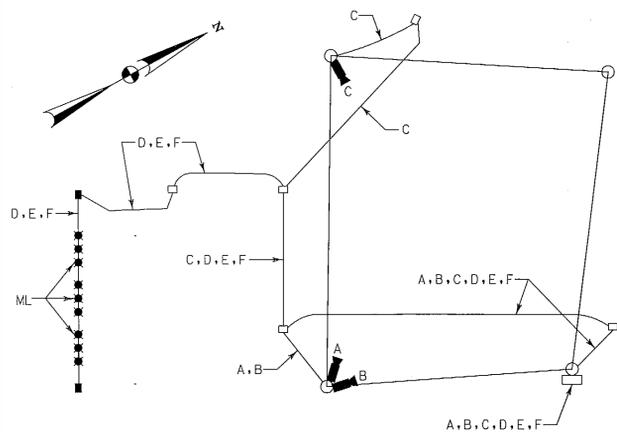
MR. ANDRE FUTRELL  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 229-2361

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

MR. MIKE PASQUARIELLO  
DISTRICT UTILITY ENGINEER  
PHONE: (410) 229-2341

**WIRING DIAGRAMS**

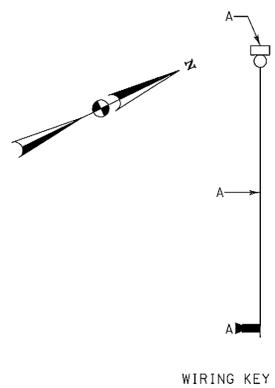
MD 542 and Hillendale/Loch Raven Plaza Shopping Ctr.



**WIRING KEY**

- A } VIDEO CAMERA DETECTION LEAD-IN CABLE
- D } MICROLOOP PROBE LEAD-IN
- ML - MICROLOOP PROBE SET

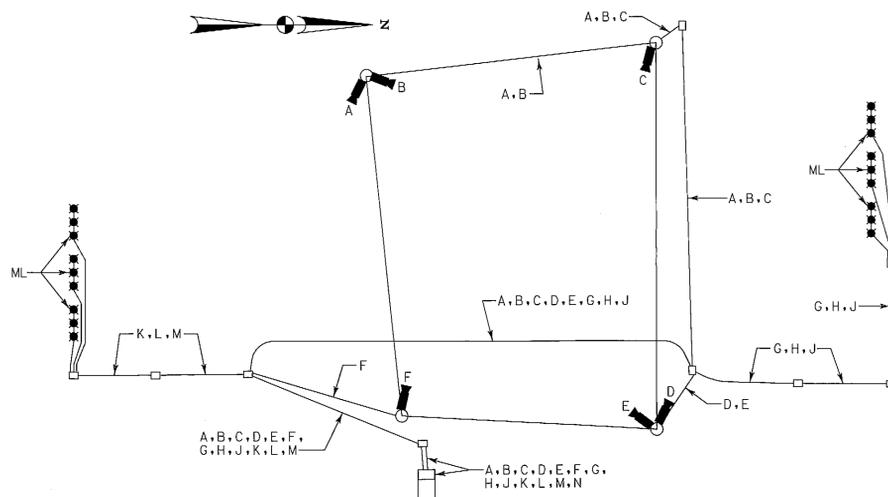
MD 542 and Goucher Boulevard



**WIRING KEY**

- A } VIDEO CAMERA DETECTION LEAD-IN CABLE

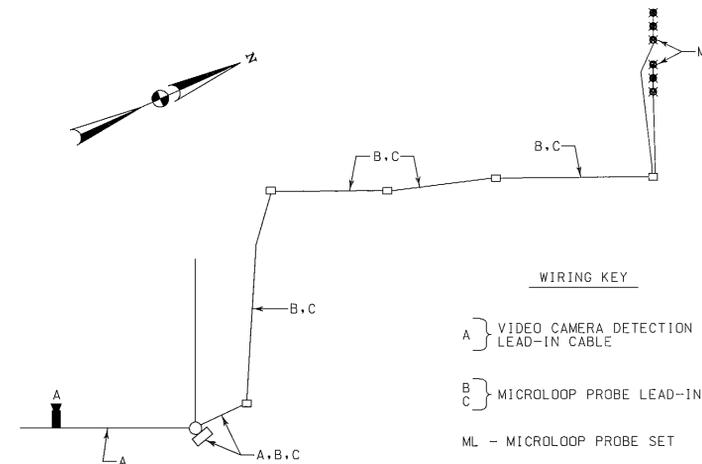
MD 542 and Deanwood Rd./Glendale Rd.



**WIRING KEY**

- A } VIDEO CAMERA DETECTION LEAD-IN CABLE
- G } MICROLOOP PROBE LEAD-IN
- ML - MICROLOOP PROBE SET

MD 542 and Loch Hill Road



**WIRING KEY**

- A } VIDEO CAMERA DETECTION LEAD-IN CABLE
- B } MICROLOOP PROBE LEAD-IN
- C } MICROLOOP PROBE SET



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 542 (Loch Raven Boulevard) Signals  
Loch Raven, MD

REVISIONS		GENERAL INFORMATION SHEET	
1	ADDENDUM NO. 1 MARCH 10, 2011 SHEET ADDED	SCALE	NONE
		ADVERTISED DATE	3/01/2011
		CONTRACT NO.	BA8695177
		DESIGNED BY	S. Bloss
		COUNTY	Baltimore
		DRAWN BY	S. Bloss
		LOGMILE	
		CHECKED BY	N. Leary
		TIMS NO.	J416
		F.A.P. NO.	
		TOD NO.	
TS NO.	DRAWING	TSP - 5	OF 5
		SHEET NO.	252E OF 301



BY: sbloss