PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF EXISTING LOOP DETECTION TO VIDEO DETECTION AT THE INTERSECTIONS OF MD 97 (ROXBURY MILLS ROAD) & THE ENTRANCE TO GLENWOOD MIDDLE SCHOOL AND MD 97 (ROXBURY MILLS ROAD) AND CARRS MILL ROAD/MCKENDREE ROAD. THIS PROJECT IS LOCATED IN HOWARD COUNTY, MARYLAND.

MD 152 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

U.S. 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME AT EACH LOCATION.

CONTROLLER REQUIREMENTS

MD 97 AND ENTRANCE TO GLENWOOD MIDDLE SCHOOL

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MD 97 AND CARRS MILL ROAD

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-104.02-01 (SHOULDER WORK)

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:

MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 624-8140/8141

MR. RAY JOHNSON
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 624-8105

MS. ANDREA ABEND
DISTRICT UTILITY ENGINEER
PHONE: (301) 624-8115/8116

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
9086	2 EACH	VIDEO INTERFACE EQUIPMENT: 1-8 CAMERAS

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 WILL REMAIN THE SAME AT EACH INTERSECTION.

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
1003	1 EACH	MAINTENANCE OF TRAFFIC
5003	30 L.F.	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
5005	35 L.F.	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
8001	31 EACH	12 INCH LED SIGNAL HEAD SECTION
8004	3 EACH	8 INCH LED SIGNAL HEAD SECTION
8023	4 EACH	NONINVASIVE DETECTOR (ANY LENGTH) LEAD IN CABLE UP TO 1000'
8024	2 EACH	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8028	6 EACH	VIDEO DETECTION CAMERA AND CABLE - ANY LENGTH
8034	220 L.F.	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8036	50 L.F.	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8044	8 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE

WIRING DIAGRAM

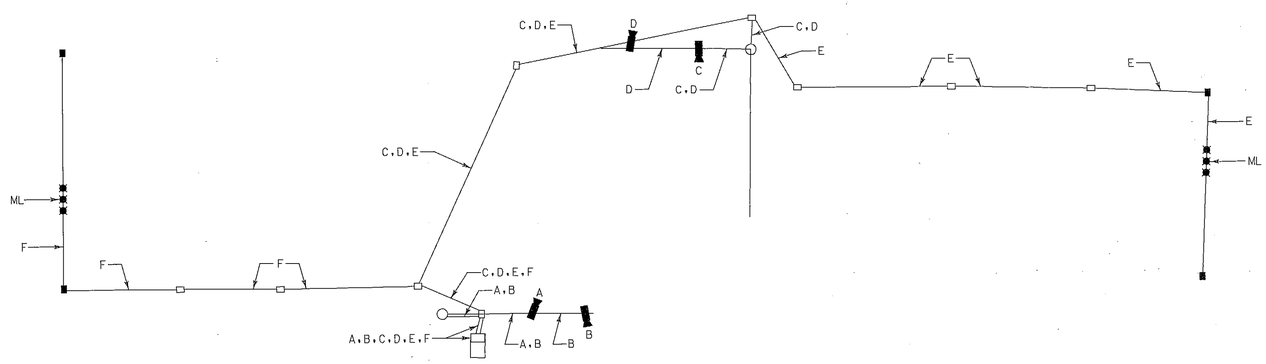
MD 97 (Roxbury Mills Road) & Carrs Mill Road/McKendree Road

WIRING KEY

A, B, C, D — VIDEO CAMERA DETECTION LEAD-IN CABLE

E, F — MICROLOOP PROBE LEAD-IN

ML - MICROLOOP PROBE SET



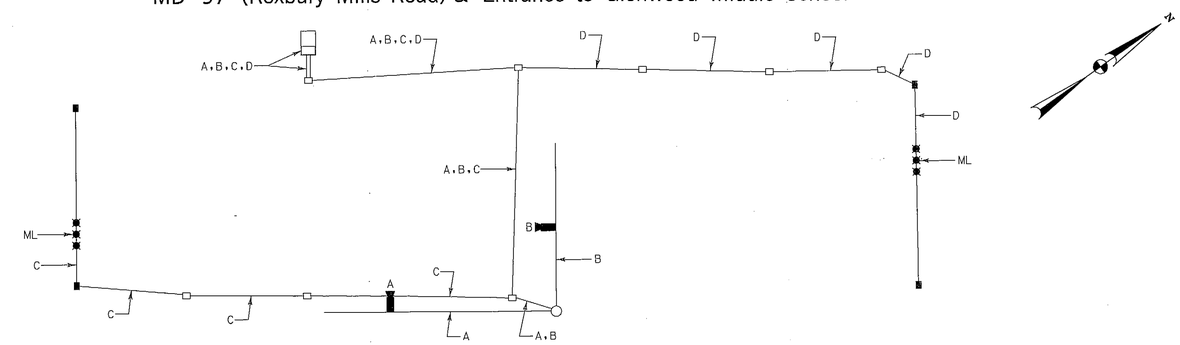
MD 97 (Roxbury Mills Road) & Entrance to Glenwood Middle School

WIRING KEY

A, B — VIDEO CAMERA DETECTION LEAD-IN CABLE

C, D — MICROLOOP PROBE LEAD-IN

ML - MICROLOOP PROBE SET



TOD No: XX354-04
SHA No: HO467K51
MD 97 @ MD 144A; Union Chapel Rd

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 97 (Roxbury Mills Road) Intersections

Glenwood, Maryland

GENERAL INFORMATION SHEET

SCALE NONE | DATE 4/16/2010 | CONTRACT NO. XX3545168

DESIGNED BY S. Bloss | COUNTY Howard
DRAWN BY S. Bloss | LOGMILE
CHECKED BY N. Leary | TIMS NO. J553
F.A.P. NO. | TOD NO.

TS NO. | DRAWING TSP-3 OF 3 | SHEET NO. 3 OF 3

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

PLOTTED: 04-19-2010
FILE: n:\31059-050\CADD\pSG-N003_J553.dgn

BY: sbloss