PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 924 (EMMORTON ROAD) AND BEL AIR SOUTH PARKWAY/LAUREL BUSH ROAD IN HARFORD COUNTY, MARYLAND. MD 924 IS ASSUMED TO RUN IN A NORTH-SOUTH 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.

STANDARD NO. MD-104.00 - 104.00-30

STANDARD NO. MD-104.31-01 (FLAGGING OPERATION)

STANDARD NO. MD-104.32-01 (INTERSECTION FLAGGING OPERATION)

STANDARD NO. MD-104.34-01 (LANE SHIFT)

STANDARD NO. MD-104.44-01 (LEFT LANE CLOSURE)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MS. SUENETTE POPE
DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

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

EQUIPMENT LIST "A"

NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

EQUIPMENT LIST "C"

NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

PHASE CHART

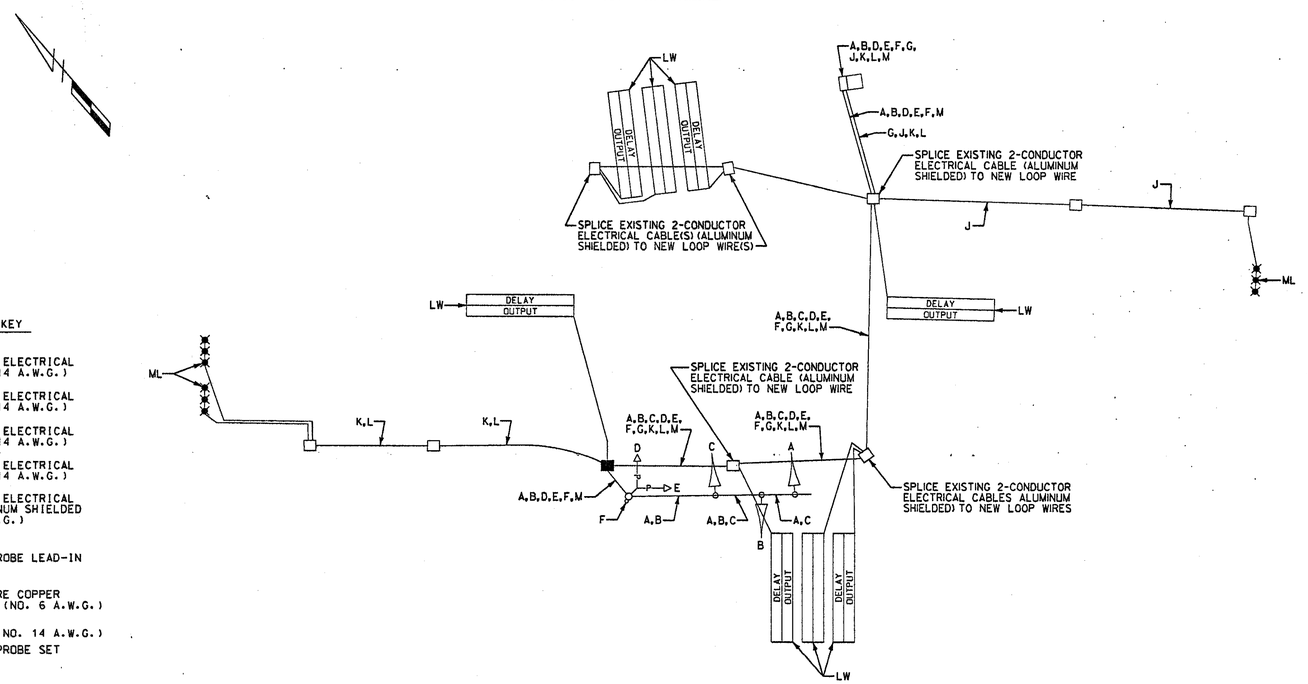
THE SIGNAL PHASING WILL REMAIN THE SAME.

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
120520	1 EACH	MAINTENANCE OF TRAFFIC
802145	1 EACH	ADJUST HANDHOLE TO GRADE
802501	255 L.F.	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
805118	50 L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
805125	20 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805160	60 L.F.	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
810550	1 EACH	FURNISH AND INSTALL MICROLOOP PROBE SET WITH 500 FOOT LEAD-IN CABLE
810555	2 EACH	FURNISH AND INSTALL MICROLOOP PROBE SET WITH 1,000 FOOT LEAD-IN CABLE
811001	1 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
861104	250 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
861105	265 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G)
861106	530 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 A.W.G)
861107	25 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G)
861108	660 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G)
862101	3850 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN 1/4 INCH FLEXIBLE TUBING (NO. 14 A.W.G)
862102	1200 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
800000	LUMP SUM	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
800000	1 EACH	INSTALL CONDUIT BEND IN EXISTING FOUNDATION

WIRING DIAGRAM



WIRING KEY

A, B } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

C } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

D, E } 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

F } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

G } 2-CONDUCTOR ELECTRICAL CABLE ALUMINUM SHIELDED (NO. 14 A.W.G.)

J, K, L } MICROLOOP PROBE LEAD-IN

M } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

LW - LOOP WIRE (NO. 14 A.W.G.)

ML - MICROLOOP PROBE SET

WR&A
Whitman, Requardt and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 924 AND BEL AIR SOUTH PKWY/LAUREL BUSH RD

DRAWN BY: S. BLOSS	F.A.P. NO.		TS NO. TS-2520 D	SHEET NO.
CHECKED BY: N. LEARY	S.H.A. NO.			
SCALE: NONE	COUNTY: HARFORD		T.I.M.S. NO. E829	2 OF 2
DATE: 1/20/2004	LOG MILE:			

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