

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AND STRIPING AT THE INTERSECTION OF MD 170 (AVIATION BLVD) AND STONEY RUN ROAD IN ANNE ARUNDEL COUNTY, MARYLAND. MD 170 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. IN ADDITION, SIGNING MODIFICATIONS ARE BEING MADE AT THE EXISTING SIGNALIZED INTERSECTIONS OF MD 170 AND AMTRAK WAY AND MD 170 AND MATHISON WAY.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 170 APPROACHES OPERATING CONCURRENTLY AND THE STONEY RUN ROAD APPROACH OPERATING ALONE.

THE EXCLUSIVE DOUBLE LEFT-TURN PHASING WILL BE MODIFIED FROM LAGGING TO LEADING FOR THE SOUTHBOUND MD 170 APPROACH.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. INSTALL A FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER IN THE EXISTING CABINET

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-104.37-01 (LEFT LANE CLOSURE)
- STANDARD NO. MD-104.38-01 (RIGHT LANE CLOSURE)
- STANDARD NO. MD-104.43-01 (SHOULDER WORK)
- STANDARD NO. MD-104.40-01 (INTERSECTION FAR-LEFT LANE CLOSURE)
- STANDARD NO. MD-104.41-01 (INTERSECTION FAR-RIGHT LANE CLOSURE)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019

MR. JOHN S. MAYS
DISTRICT UTILITY ENGINEER
PHONE: (410) 841-1039

MR. CHUCK E. GEORGE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013

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	1 EACH	FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER
9570	97 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 1 EACH OM-1(1) SIGN (18 IN. x 18 IN.) - GROUND MOUNT - 2 EACH D-3(1) MOD. "STONEY RUN RD" (115" x 20") DUAL FACED-MAST ARM MOUNT - 2 EACH D-3(1) MOD. "MATHISON WAY" (115" x 20") DUAL FACED-MAST ARM MOUNT - 2 EACH D-3(1) MOD. "AMTRAK WAY" (108" x 20") DUAL FACED-MAST ARM MOUNT

EQUIPMENT LIST "B"

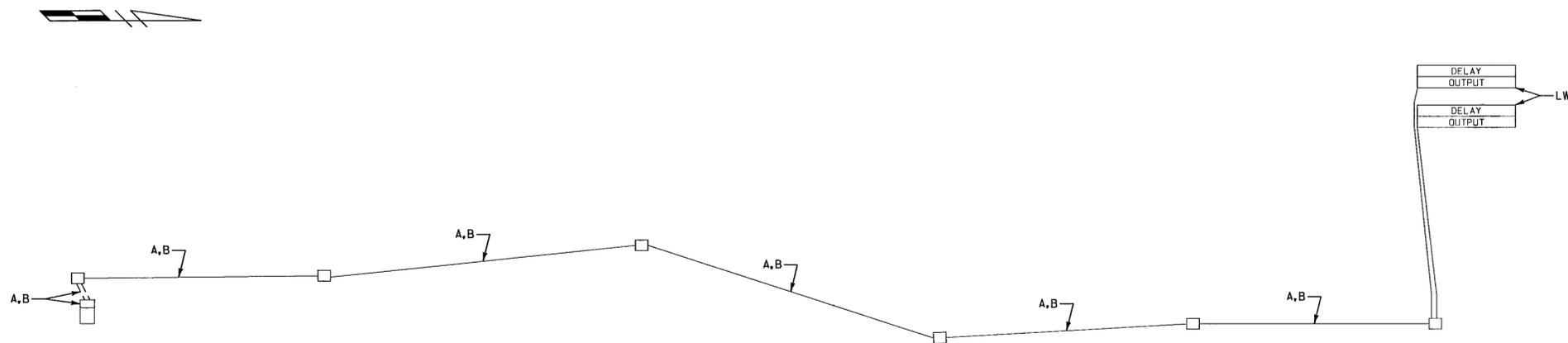
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
5001	800 L.F.	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS - ANY WIDTH
5009	75 L.F.	5 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
5010	500 L.F.	5 INCH YELLOW HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
8019	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8043	15 L.F.	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
8054	3 S.F.	INSTALL GROUND MOUNTED SIGN
8055	94 S.F.	INSTALL OVERHEAD SIGN
8080	960 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8086	900 L.F.	LOOP WIRE ENCASED IN 1/4 INCH FLEXIBLE TUBING (NO. 14 A.W.G.)
8087	290 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
NEG.	1 EACH	FURNISH AND INSTALL SQUARE PERFORATED TUBULAR STEEL SIGN POST

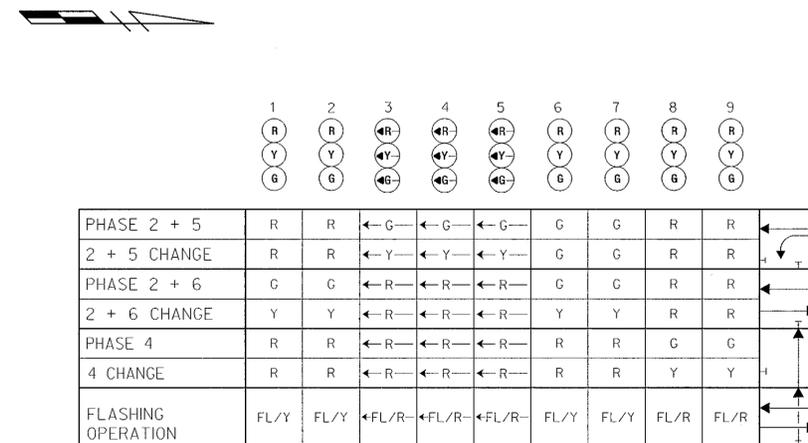
EQUIPMENT LIST "C"

NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

WIRING DIAGRAM



PHASE CHART



WIRING KEY

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

B } LOOP WIRE (NO. 14 A.W.G.)

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET
MD 170 (AVIATION BLVD) AND STONEY RUN RD

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

DRAWN BY: S. BLOSS	F.A.P. NO. AA2895187	TS. NO. 4067	SHEET NO. 4 OF 4
CHECKED BY: N. LEARY	S.H.A. NO. ANNE ARUNDEL	T.I.M.S. NO. E 467A	
SCALE: NONE	COUNTY: ANNE ARUNDEL	LOG MILE: 02017007.15	
DATE: 12/2/2003			