

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF U.S. 1 AND MD 430 METZEROTT ROAD IN PRINCE GEORGES COUNTY, U.S. 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE U.S. 1 APPROACHES OPERATING CONCURRENTLY AND THE MD 430 / METZEROTT APPROACHES OPERATING SPLIT.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR THE SOUTHBOUND U.S. 1 APPROACH.

AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS THE NORTH LEG OF U.S. 1.

AN EXCLUSIVE BICYCLIST-ACTIVATED PHASE IS PROVIDED ACROSS THE SOUTH LEG OF U.S. 1.

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-104.41-01 (INTERSECTION FAR-RIGHT LANE CLOSURE)

STANDARD NO. MD-104.43-01 (SHOULDER WORK)

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

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. MAJIB SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358

MR. AUGIE REBISH
DISTRICT UTILITY ENGINEER
PHONE: (301) 513-7350

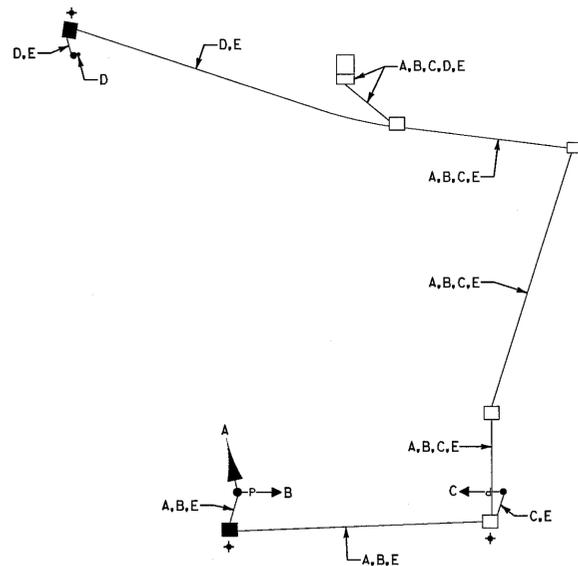
MR. RALEIGH MEDLEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

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

WIRING DIAGRAM

WIRING KEY

- A } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
 - B } 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
 - C } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
 - D } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
 - E } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- + - 3/4 IN. X 10 FT. GROUND ROD



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	2 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 1 EACH R9-5 MOD. SIGN (12 IN. x 18 IN.) - POLE MOUNT

EQUIPMENT LIST "B"

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

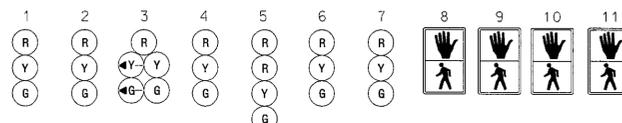
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	2 C.Y.	TEST PIT EXCAVATION
8001	4 EACH	FURNISH AND INSTALL 12 IN. PEDESTRIAN TRAFFIC SIGNAL HEAD SECTION
8009	3 EACH	FURNISH AND INSTALL PEDESTAL POLE (ANY SIZE)
8011	1 EACH	FURNISH AND INSTALL PUSHBUTTON AND SIGN
8013	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT AS PER ASSIGNMENT
8016	20 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8021	3 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8023	320 L.F.	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8027	100 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
8029	45 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8041	2 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8050	3 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
8053	4 EACH	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8054	1 EACH	CUT, CLEAN AND CAP TRAFFIC SIGNAL STRUCTURE
8056	130 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)
8057	525 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 A.W.G.)
8058	250 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
NEG.	4 EACH	FURNISH AND INSTALL LOUVERS ON SIGNAL HEAD SECTION

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11
PHASE 2 + 5	R	R	G	G	R	R	R	DW	DW	DW	DW
2 + 5 CHANGE	R	R	G	Y	R	R	R	DW	DW	DW	DW
PHASE 2 + 6	G	G	G	G	R	R	R	WK	WK	WK	WK
PED CLEARANCE	G	G	G	G	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW
2 + 6 CHANGE	Y	Y	Y	Y	R	R	R	DW	DW	DW	DW
PHASE 3	R	R	R	R	G	R	R	DW	DW	DW	DW
3 CHANGE	R	R	R	R	Y	R	R	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	G	G	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	Y	Y	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	R	G	G	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	G	G	FL/DW	FL/DW	FL/DW	FL/DW
4 ALT CHANGE	R	R	R	R	R	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/RR	FL/R	FL/R	DARK	DARK	DARK	DARK

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

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
US 1 AND METZEROTT ROAD

DRAWN BY: S. BLOSS	F.A.P. NO. T.O.F. U251-107	TS NO. TS-1094E	SHEET NO.
CHECKED BY: N. LEARY	S.H.A. NO. P1481A51	T.I.M.S. NO. F396	2 OF 2
SCALE: NONE	COUNTY: PRINCE GEORGES	LOG MILE:	
DATE: 2/24/2003			