PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A NEARSIDE 5 SECTION SIGNAL HEAD AND PEDESTRIAN SIGNALS ON THE WEST LEG OF THE INTERSECTION OF MD 450 (ANNAPOLIS ROAD) AND MD 769B (EDMONSTON ROAD). MD 450 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION WILL OPERATE IN A NEMA THREE(3) PHASE FULL-TRAFFIC-ACTUATED MODE. AN EXCLUSIVE/PERMISSIVE PHASE IS PROVIDED ON THE EASTBOUND APPROACH. A SOUTHBOUND RIGHT TURN OVERLAP PHASE WILL OPERATE CONCURRENTLY WITH THE EASBOUND EXCLUSIVE LEFT TURN PHASE. ALTERNATE PEDESTRIAN PHASES ARE PROVIDED ACROSS THE EAST AND WEST LEGS OF THE INTERSECTION.

PROJECT CONTACTS

MR. MAJIB SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
301-513-7358

MR. RALEIGH MEDLEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-513-7304

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER-UTILITY
301-513-7350

MR. MIKE MESTER
DJR SIGNAL SERVICES
410-442-1706

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF - TRAFFIC OPERATIONS DIVISION
410-787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
410-787-7652

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION

ITEM	QUANTITY	UNITS	DESCRIPTION
9001	52	SF	SHEET ALUMINUM SIGNS R9-1 MOD - 48"x48" ASSOCIATED SHIELD ASSEMBLY SIGN 48"x75" ASSOCIATED SHIELD ASSEMBLY SIGN 30"x51"

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

ITEM	QUANTITY	UNITS	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2002	1	CY	TEST PIT EXCAVATION
5001	3	EA	HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING ARROW
5003	2	EA	REMOVE EXISTING PAVEMENT MARKING LETTER OR ARROW
5004	450	LF	12 INCH WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
5005	110	LF	24 INCH WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
5008	560	LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS - ANY WIDTH
6004	72	SF	4 INCH CONCRETE SIDEWALK
8006	2	EA	CUT, CLEAN & CAP TRAFFIC SIGNAL STRUCTURE
8010	4	EA	FURNISH AND INSTALL 12 INCH PEDESTRIAN SIGNAL HEAD SECTION
8011	2	EA	FURNISH AND INSTALL 12 INCH VEHICULAR SIGNAL HEAD SECTION
8019	3	EA	FURNISH AND INSTALL 8 INCH VEHICULAR SIGNAL HEAD SECTION
8030	1	EA	FURNISH AND INSTALL PEDESTAL POLE (ANY SIZE)
8032	3	EA	FURNISH AND INSTALL PUSH BUTTON AND SIGN, "PUSH BUTTON TO CROSS ANNAPOLIS ROAD"
8051	20	LF	3" PVC SCH 80 CONDUIT-TRENCHED
8059	1	CY	CONCRETE FOR SIGNAL FOUNDATION
8061	34	LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4"X6"
8062	25	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8076	16	SF	INSTALL GROUND MOUNTED SIGN
8082	1	EA	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8084	250	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8085	250	LF	ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
8087	100	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
NEG.	2	EA	BAND SIGN TO SIGN SUPPORT

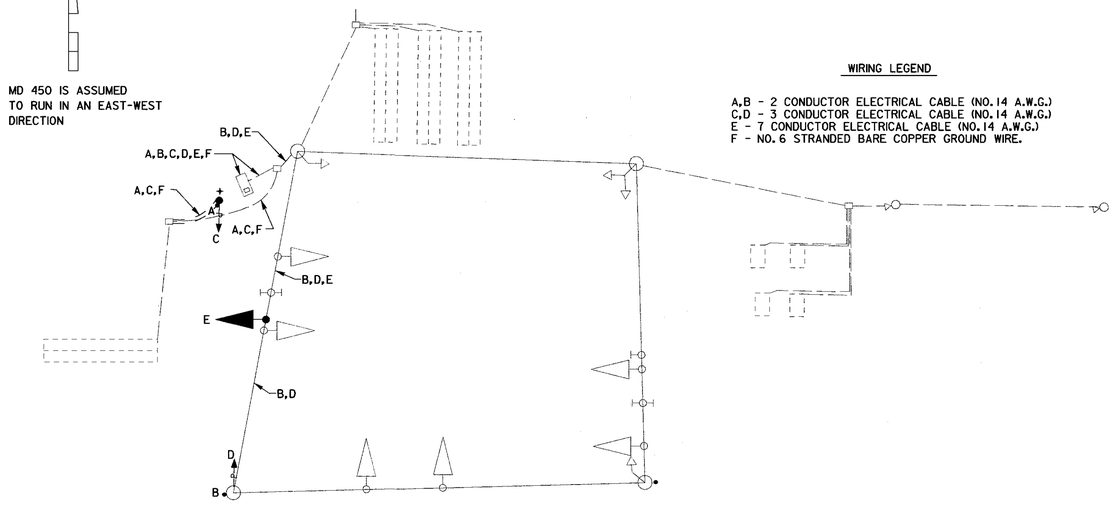
C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR

ITEM	QUANTITY	UNITS	DESCRIPTION
NO EQUIPMENT TO BE RETURNED TO THE SHA.			

MD 450 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13
Phase 2 & 5	◁G/G	◁G/G	G	R	R	R	R/G ▷	DW	DW	DW	DW	DW	DW
2 & 5 Change	◁Y/G	◁Y/G	G	R	R	R	R/Y ▷	DW	DW	DW	DW	DW	DW
Phase 2 & 6	G	G	G	G	G	R	R	W	W	DW	DW	DW	DW
2 & 6 Ped. Change	G	G	G	G	G	R	R	FL/DW	FL/DW	DW	DW	DW	DW
2 & 6 Change	Y	Y	Y	Y	Y	R	R	DW	DW	DW	DW	DW	DW
Phase 4	R	R	R	R	R	G	G	DW	DW	DW	DW	DW	DW
4 Change	R	R	R	R	R	Y	Y	DW	DW	DW	DW	DW	DW
Alt. 4	R	R	R	R	R	G	G	DW	DW	W	W	W	W
Alt. 4 Ped. Clear	R	R	R	R	R	G	G	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
Alt. 4 Change	R	R	R	R	R	Y	Y	DW	DW	DW	DW	DW	DW
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK



REVISION 'B'

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REVISIONS

B	INSTALL PED. SIGNALS (AND NEARSIDE SIGNAL) ON WEST LEG 8-01-02 SHA NO. XX1065285	A.M.H.
A	6-7-00 AS BUILT FOR RED LIGHT CAMERA INSTALLATION	R.R.Z.

APPROVALS

ORIGINAL ON FILE

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET MD 450 AT MD 769B (EDMONSTON RD.)

DRAWN BY: T. MANK	F.A.P. NO. T-8006 (23)		TS NO. 541B-GI	SHEET NO.	
CHECKED BY:	S.H.A. NO. BR484A5H / BCH				
SCALE: 1"=20'	COUNTY: PRINCE GEORGE'S		T.I.M.S. NO. F110	2 OF 2	
DATE:	LOG MILE: 16045000.42				

PLOTTED: 10:50 PM on Wednesday, June 19, 2002
BY: Aaron Hottenstein Division: Transportation
FILE: m:\1997\01\97025\ct\drawings\gg02f110.dgn