PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE TEMPORARY TRAFFIC SIGNAL AT THE INTERSECTION OF MD 24 AND MD 924 IN HARFORD COUNTY.

INTERSECTION OPERATION

THE EXISTING BASE MOUNTED CABINET SHALL BE USED AT THIS LOCATION. THE INTERSECTION SHALL OPERATE IN A FULLY ACTUATED MODE USING 4 NEMA PHASES.

SPECIAL NOTES

1. THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. RANDALL SCOTT, ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: (410) 321-2781
MR. STEVE MARCISZEWSKI, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761
MR. MICHAEL PASQUARIELLO, UTILITY ENGINEER
PHONE: (410) 321-2841
MR. RICHARD L. DAFF, SR., CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. EDWARD RODENHIZER, SIGNAL OPERATIONS CHIEF
PHONE: (410) 787-7650
MR. EUGENE BAILEY, SIGN OPERATIONS MANAGER
PHONE: (410) 787-7676

MS. ROXANE MUKAI, TRAFFIC MANAGER
MARYLAND TRANSPORTATION AUTHORITY
PHONE: (410) 288-8484

EQUIPMENT LIST

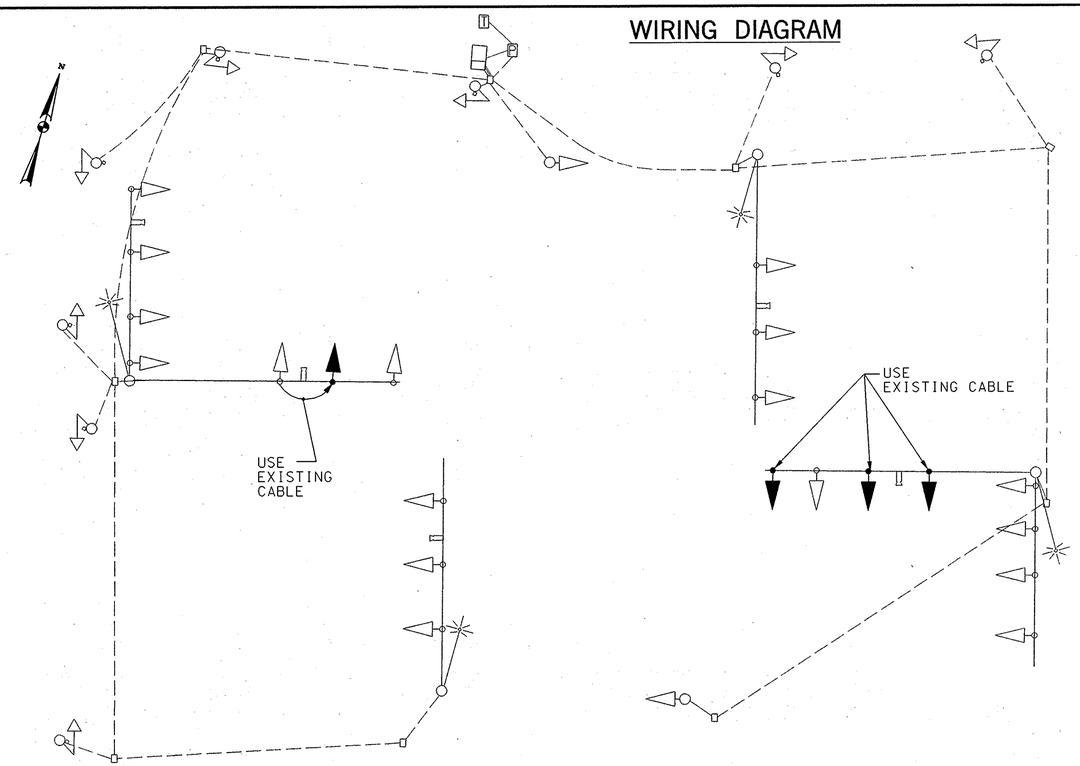
A. EQUIPMENT TO BE SUPPLIED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION			UNITS	QUANTITY
973023	SHEET ALUMINUM SIGNS			SF	38
	R3-6(1) (30"X54") MAST ARM MOUNT	EA	1		
	R3-5(2) (30"X54") MAST ARM MOUNT	EA	1		
	R3-6(L) (30"X36") MAST ARM MOUNT	EA	2		

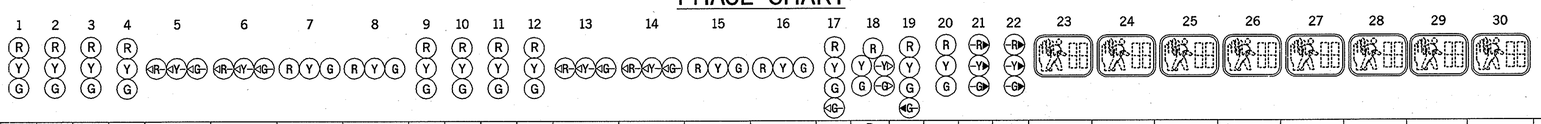
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
585620	12 IN HEAT APPL WHITE PERM PREF THERMO PAVEMENT MARKINGS	LF	380
585624	24 IN HEAT APPL WHITE PERM PREF THERMO PAVEMENT MARKINGS	LF	250
800000	RELOCATE EXISTING SIGN ON SIGNAL STRUCTURE	EA	1
805105	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	180
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	220
813015	INSTALL OVERHEAD SIGN	SF	38
860265	RELOCATE EXISTING SIGNAL HEAD	EA	1
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	14

WIRING DIAGRAM



PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
PHASE A	G	G	G	G	◄G-	◄G-	G	G	R	R	R	R	◄R-	◄R-	R	R	R	R -G►	R	R	-R►	-R►	DW	DW	DW	DW	DW	DW	DW	DW
CHANGE A	Y	Y	Y	G	◄G-	◄G-	G	G	R	R	R	R	◄R-	◄R-	R	R	R	R -G►	R	R	-R►	-R►	DW	DW	DW	DW	DW	DW	DW	DW
PHASE A ALT	G	G	G	G	◄G-	◄G-	G	G	R	R	R	R	◄R-	◄R-	R	R	R	R	R	R	-R►	-R►	DW	DW	DW	DW	DW	WK	WK	DW
PED CLEARANCE	G	G	G	G	◄G-	◄G-	G	G	R	R	R	R	◄R-	◄R-	R	R	R	R	R	R	-R►	-R►	DW	DW	DW	DW	DW	FL/DW	FL/DW	DW
CHANGE A ALT	Y	Y	Y	G	◄G-	◄G-	G	G	R	R	R	R	◄R-	◄R-	R	R	R	R	R	R	-R►	-R►	DW	DW	DW	DW	DW	DW	DW	DW
PHASE B	R	R	R	G	◄G-	◄G-	G	G	R	R	R	R	◄R-	◄R-	R	R	G ◄G-	G -G►	R	R	-R►	-R►	DW	DW	DW	DW	DW	DW	DW	DW
CHANGE B	R	R	R	Y	◄Y-	◄Y-	Y	Y	R	R	R	R	◄R-	◄R-	R	R	Y	Y -Y►	R	R	-R►	-R►	DW	DW	DW	DW	DW	DW	DW	DW
PHASE B ALT	R	R	R	G	◄G-	◄G-	G	G	R	R	R	R	◄R-	◄R-	R	R	G ◄G-	G	R	R	-R►	-R►	DW	DW	DW	DW	WK	DW	DW	WK
PED CLEARANCE	R	R	R	G	◄G-	◄G-	G	G	R	R	R	R	◄R-	◄R-	R	R	G ◄G-	G	R	R	-R►	-R►	DW	DW	DW	DW	FL/DW	DW	DW	FL/DW
CHANGE B ALT	R	R	R	Y	◄Y-	◄Y-	Y	Y	R	R	R	R	◄R-	◄R-	R	R	Y	Y	R	R	-R►	-R►	DW	DW	DW	DW	DW	DW	DW	DW
PHASE C	R	R	R	R	◄R-	◄R-	R	R	G	G	G	G	◄G-	◄G-	G	G	R	R	R	R	-G►	-G►	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	R	R	R	R	◄R-	◄R-	R	R	G	G	G	G	◄G-	◄G-	G	G	R	R	R	R	-G►	-G►	WK	FL/DW	FL/DW	WK	DW	DW	DW	DW
CHANGE C	R	R	R	R	◄R-	◄R-	R	R	Y	Y	Y	G	◄G-	◄G-	G	G	R	R	R	R	-G►	-G►	WK	DW	DW	WK	DW	DW	DW	DW
PHASE D	R	R	R	R	◄R-	◄R-	R	R	R	R	R	G	◄G-	◄G-	G	G	R	R	G ◄G-	G	-G►	-G►	WK	DW	DW	WK	DW	DW	DW	DW
PED CLEARANCE	R	R	R	R	◄R-	◄R-	R	R	R	R	R	G	◄G-	◄G-	G	G	R	R	G ◄G-	G	-G►	-G►	FL/DW	DW	DW	FL/DW	DW	DW	DW	DW
CHANGE D	R	R	R	R	◄R-	◄R-	R	R	R	R	R	Y	◄Y-	◄Y-	Y	Y	R	R	Y	Y	-Y►	-Y►	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

PHASE A CAN CHANGE TO PHASE B OR PHASE B ALT.
PHASE A ALT SHALL CHANGE TO PHASE B ALT.

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLY DRIVE, HANOVER, MARYLAND 21076. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

ULTIMATE

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 24 AT MD 924 (EMMORTON ROAD)
IMPROVEMENTS TO I95 AND MD 24 INTERCHANGE
ABINGDON, MARYLAND

GENERAL INFORMATION SHEET

SCALE N.T.S. DATE 06/12/06 CONTRACT NO. KH-271-000-002

DESIGNED BY A MOHAMMED/SDU
DRAWN BY M. RAFFLE
CHECKED BY K. RINIKER
FAP NO. NONE
COUNTY HARFORD
LOGMILE
TIMS NO.
TOD NO.

TS NO. DRAWING **PSG** OF **N020** SHEET NO. 705 OF 889

SABRA, WANG & ASSOCIATES, INC.
1504 30TH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

PLOTTED: Friday, July 07, 2006 AT 09:47 AM
FILE: R:\2003\31 MdTA 2003-01 prel_eng KOI\Task 01 MD24_I-95\Dwg\Signals\pSG-N020_MD24.dgn
BY: SDU