

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A TEMPORARY SIGNAL AT THE INTERSECTION OF MD 24 AND MD 924 DURING THE MAINTENANCE OF TRAFFIC FOR STAGE 2 THRU 3C. THIS PHASE OF MOT INVOLVES THE INSTALATION OF A TEMPORARY SPAN WIRE TRAFFIC SIGNAL WIRED TO A TEMPORAY CONTROLLER AT THIS INTERSECTION IN HARFORD COUNTY.

INTERSECTION OPERATION

A NEW BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS INTERSECTION. THE INTERSECTION SHALL OPERATE IN A SEMI-ACTUATED MODE USING 6 NEMA PHASES. VIDEO DETECTION SHALL BE PLACED INTO OPERATION. PRIOR TO COMPLETION OF THIS PROJECT THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA, AT 410-398-7631, TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND TELEPHONE NUMBER.

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. (TBD), ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 321-2821
MR. STEVE MARCISZEWSKI, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761
MR. MIKE 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
900000	NEMA (SIZE 6) CABINET (MSHA SPECIFICATIONS) WITH VIDEO DETECTION INTERFACE EQUIPMENT FOR 1-4 CAMERAS	EA	1
973023	SHEET ALUMINIUM SIGNS CONSISTING OF D-3(1) (VAR, X 16") SPAN WIRE MOUNT (4 EA) R3-5(L) (30" X 36") SPAN WIRE MOUNT (7 EA)	SF	95

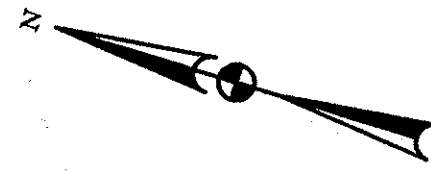
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
114245	24 INCH WHITE REMOVABLE PREFROMED PAVEMENT LINE MARKING	LF	215
203030	TEST PIT EXCAVATION	CY	5
800000	CONTROL CABLE 300 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	2
800000	CONTROL CABLE 500 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	5
800000	TEMPORARY CLASS II WOOD POLE	EA	1
800000	REMOVE AND DISPOSE EXISTING MATERIAL AND EQUIPMENT	LS	5
800000	BACK GUY ANCHORS AND ASSEMBLIES	EA	5
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	40
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	20
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	30
805140	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	EA	1
807202	METERED SERVICE PEDESTAL	EA	1
811001	ELECTRICAL HANDHOLE	SF	95
813015	INSTALL OVERHEAD SIGN	EA	4
816001	VIDEO DETECTION CAMERA	EA	2
831010	250 WATT HPS LAMP AND LUMINAIRE	EA	4
837001	GROUND ROD - 3/4 INCH DIA. X 10 FOOT LENGTH	EA	38
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	LF	110
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	2340
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	550
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	EA	30
861117	ELECTRICAL CABLE - 3 WIRE (NO. AWG 4)	EA	2
866103	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	LF	410
869101	STEEL SPAN WIRE - 1/4 INCH DIAMETER	EA	1
869102	STEEL SPAN WIRE - 3/8 INCH DIAMETER	EA	1
871202	INSTALL CONTOLLER AND CABINET - BASE MOUNT	EA	1

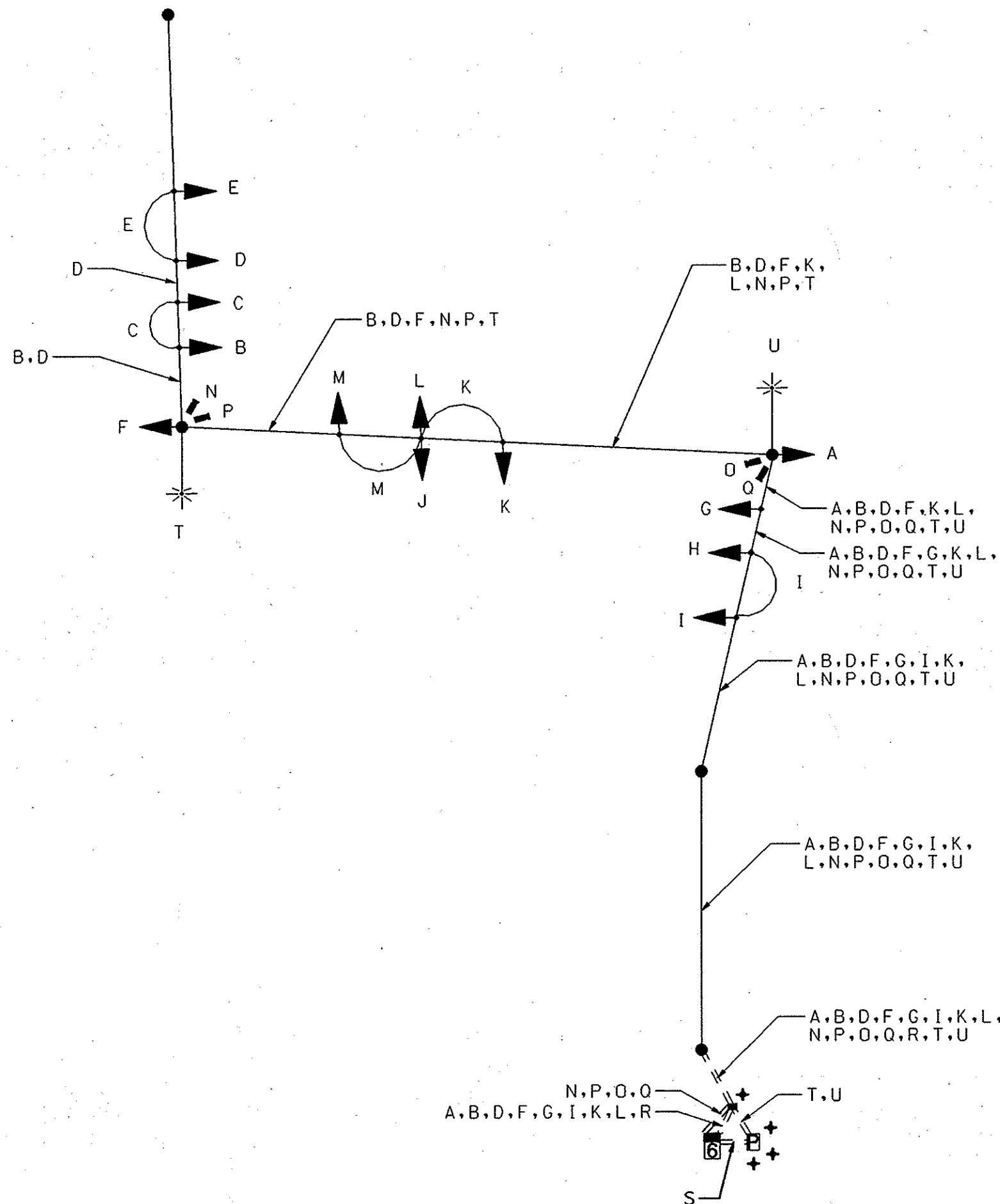
PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12	13
(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)

PHASE 1 AND 5	←G-	←G-	←G-	R	R	←G-	←G-	R	R	R	R	R	R
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6													
PHASE 1 AND 6	←R-	←R-	←R-	R	R	←G-	←G-	G	G	R	R	R	R
1 AND 6 CHANGE	←R-	←R-	←R-	R	R	←Y-	←Y-	G	G	R	R	R	R
PHASE 2 AND 5	←G-	←G-	←G-	G	G	←R-	←R-	R	R	R	R	R	R
2 AND 5 CHANGE	←Y-	←Y-	←Y-	G	G	←R-	←R-	R	R	R	R	R	R
PHASE 2 AND 6	←R-	←R-	←R-	G	G	←R-	←R-	G	G	R	R	R	R
2 AND 6 CHANGE	←R-	←R-	←R-	Y	Y	←R-	←R-	Y	Y	R	R	R	R
PHASE 3	←R-	←R-	←R-	R	R	←R-	←R-	R	R	←GG	G	R	R
3 CHANGE	←R-	←R-	←R-	R	R	←R-	←R-	R	R	Y	Y	R	R
PHASE 4	←R-	←R-	←R-	R	R	←R-	←R-	R	R	R	←GG	G	G
4 CHANGE	←R-	←R-	←R-	R	R	←R-	←R-	R	R	R	Y	Y	Y
FLASHING OPERATION	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R



WIRING DIAGRAM



KEY

- C
E
I
K
M } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- A
B
D
F
G
H
J
L } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- N
P
O
Q } VIDEO DETECTION CABLE
- R } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
- S } 3 WIRE 1 CONDUCTOR (NO. 4 AWG THHN/THWN)
- T } 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE
- U } POWER SERVICE UNDERGROUND (BY OTHERS)
- + } GROUND ROD



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 24 AT TEMPORARY MD 924
IMPROVEMENTS TO I-95 AND MD 24 INTERCHANGE

GENERAL INFORMATION SHEET

SCALE NTS DATE JULY 7, 2006 CONTRACT NO. KH-271-000-002

DESIGNED BY T. WELLS COUNTY HARFORD
DRAWN BY T. WELLS LOGMILE
CHECKED BY J. CLARK T.I.M.S. NO.
F.A.P. NO. TOD NO.

DMJM HARRIS | AECOM

DRAWING NO. PSG OF N017 SHEET NO. 698 OF 889

PLOTTED: THURSDAY, JULY 06, 2006 AT 04:22 PM
FILE: T:\PROJ\MD24\WORKING\N-017-MD24-32206.DGN