

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF NEW LED TRAFFIC SIGNAL HEADS AND DETECTION EQUIPMENT. MD 725 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION. MD 725 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE, WITH THE MD 725 APPROACHES OPERATING CONCURRENTLY AND THE JOHN RODGERS BLVD. APPROACH OPERATING ALONE.

AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE IS PROVIDED FOR EASTBOUND MD 725.

III. SPECIAL NOTES

1. PROJECT CONTACTS

DISTRICT	<u>OFFICE OF TRAFFIC AND SAFETY</u>
MR. DARRELL MOBLEY DISTRICT ENGINEER 301-513-7311	MR. RICHARD DAFF SR. CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. BRIAN YOUNG ASSISTANT DISTRICT ENGINEER - TRAFFIC 301-513-7304	MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. AUGIE REBISH ASSISTANT DISTRICT ENGINEER - UTILITIES 301-513-7350	MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS 410-787-7650
MR. DUANE BERNARD ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 301-513-7341	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS 410-787-7670
MR. VERNON STINNETT 301-513-7304 ASSISTANT DISTRICT ENGINEER - MAINTENANCE	MS. DARLENE EIDE SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE) 410-787-7668

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL: 104.02-13 AND 104.03-10.

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

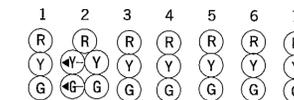
ITEM NO./ CAT CODE	QUANTITY	UNITS	DESCRIPTION
973023	36	SF	SHEET ALUMINUM SIGNS ASSOCIATED SHIELD ASSEMBLY (30"x51") - BAND TO SIGNAL POLE-1 EA ASSOCIATED SHIELD ASSEMBLY (48"x75") - BAND TO SIGNAL POLE-1 EA
900000	1	EA	VIDEO DETECTION INTERFACE EQUIPMENT, (FOR 1-4 CAMERAS).

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

ITEM NO./ CAT CODE	QUANTITY	UNITS	DESCRIPTION
585621	360	LF	12" WHITE PREFORMED PAVEMENT MARKING
585625	50	LF	24" WHITE PREFORMED PAVEMENT MARKING
585627	16	SF	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
802145	1	EA	ADJUST EXISTING HANDHOLE
805135	350	LF	3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805160	6	LF	1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
810550	1	EA	MICROLOOP PROBE 500 FOOT LEAD IN CABLE
811001	4	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
811002	2	EA	REMOVE ELECTRICAL HANDHOLE
813010	2	EA	BAND SIGN TO SUPPORT
816001	2	EA	VIDEO DETECTION CAMERA
816005	2	EA	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
860284	23	EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
862102	10	LF	SAWCUT FOR SIGNAL (LOOP DETECTOR)
800000	1	EA	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT

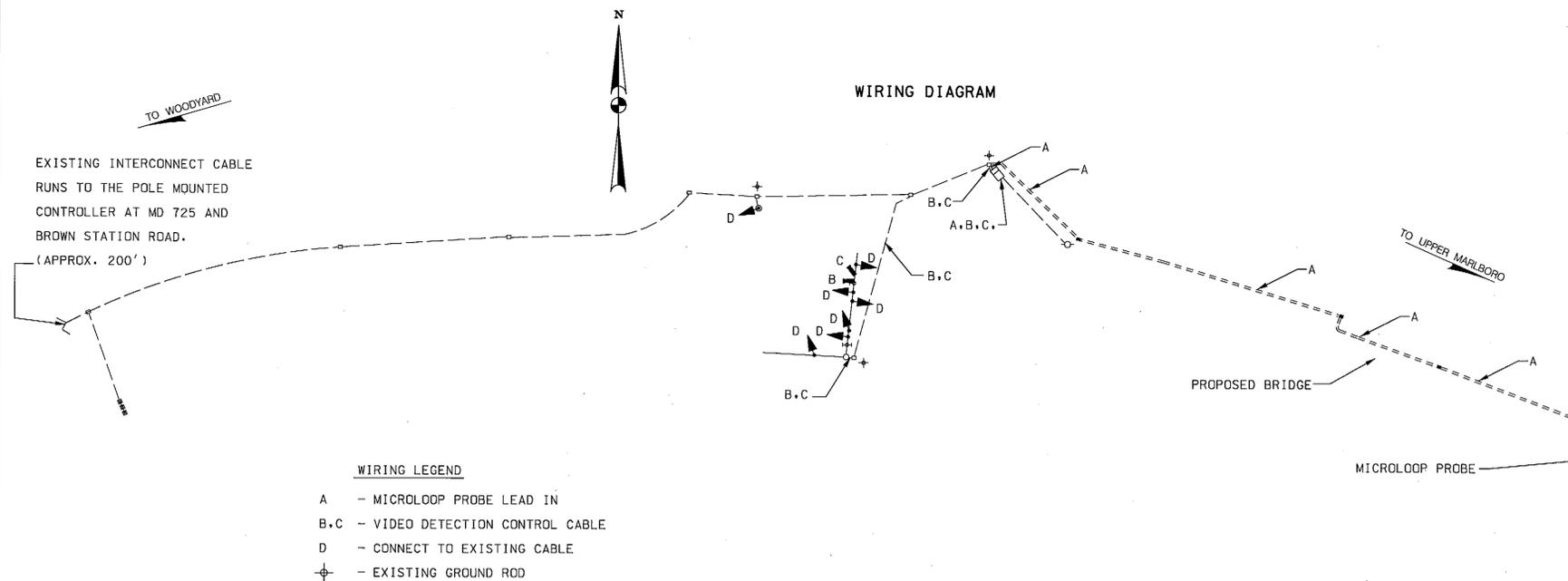
C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART



PHASE	1	2	3	4	5	6	7
PHASE 1 AND 6	G	←GG	G	R	R	R	R
1 AND 6 CHANGE	Y	←YG	Y	R	R	R	R
PHASE 2 AND 6	G	G	G	G	G	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R
PHASE 4 AND 8	R	R	R	R	R	G	G
4 AND 8 CHANGE	R	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R

WIRING DIAGRAM



- WIRING LEGEND**
- A - MICROLOOP PROBE LEAD IN
 - B.C - VIDEO DETECTION CONTROL CABLE
 - D - CONNECT TO EXISTING CABLE
 - ⊕ - EXISTING GROUND ROD

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
REPLACEMENT OF BRIDGE NO. 16009
MD 725 AT JOHN RODGERS BLVD.

REVISIONS	GENERAL INFORMATION		
	SCALE 1" = 20'	DATE JUNE 2009	CONTRACT NO. PG3245168
	DESIGNED BY AMH	COUNTY PRINCE GEORGE'S	
	DRAWN BY AMH	LOGMILE 16072500.11	
	CHECKED BY JFL	TMS NO. J425	
	FAP NO. SEE TITLE SHEET	TOD NO.	
	TS NO. 3746A-67	DRAWING SP-2	OF 2 SHEET NO. 34 OF 70

BY: Aaron Hottenstein Division: 0101 Transportation

KCI TECHNOLOGIES
ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
10 NORTH PARK DRIVE
HUNT VALLEY, MD 21030
TELEPHONE: (410) 316-7800
FAX: (410) 316-7817