

**PROJECT DESCRIPTION**

**I. GENERAL**

THIS PROJECT INVOLVES INSTALLING NON-INVASIVE PROBES IN THE NORTHBOUND DIRECTION OF US 13, AND VIDEO DETECTION CAMERAS FOR WESTBOUND MD 822 AND SOUTHBOUND US 13 LEFT-TURN. US 13 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

**II. INTERSECTION OPERATION**

THIS INTERSECTION OPERATES IN A NEMA THREE-PHASE OPERATION, FULLY ACTUATED MODE.

**SPECIAL NOTES**

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

**DISTRICT**

MR. KEN CIMINO  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: 410-677-4040

MR. BRUCE POOLE  
DISTRICT UTILITY ENGINEER  
PHONE: 410-677-4082

MR. WAYNE WEICHMAN  
ASSISTANT DISTRICT ENGINEER-MAINTENANCE  
PHONE: 410-677-4010

**OFFICE OF TRAFFIC AND SAFETY**

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

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ED RODENHIZER  
MANAGER SIGNAL OPERATIONS  
410-787-7650

MR. EUGENE BAILEY  
MANAGER SIGN OPERATIONS  
410-787-7670

MR. MIKE STOCKER  
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: 104.04-01, 104.02-13, 104.04-13, 104.04-15

**EQUIPMENT LIST "A"**

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9086	EA 1	VIDEO DETECTION INTERFACE EQUIPMENT (FOR 1-4 CAMERAS)

**EQUIPMENT LIST "B"**

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

ITEM NO.	QUANTITY	DESCRIPTION
1002	EA 1	MAINTENANCE OF TRAFFIC
5001	LF 45	24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5002	LF 45	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
8007	EA 1	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT PER ASSIGNMENT
8008	EA 2	VIDEO DETECTION CAMERA AND CABLE
8013	LF 70	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - BORED
8015	LF 90	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED
8017	EA 2	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
8018	EA 2	FURNISH AND INSTALL ELECTRICAL HANDHOLE

**EQUIPMENT LIST "C"**

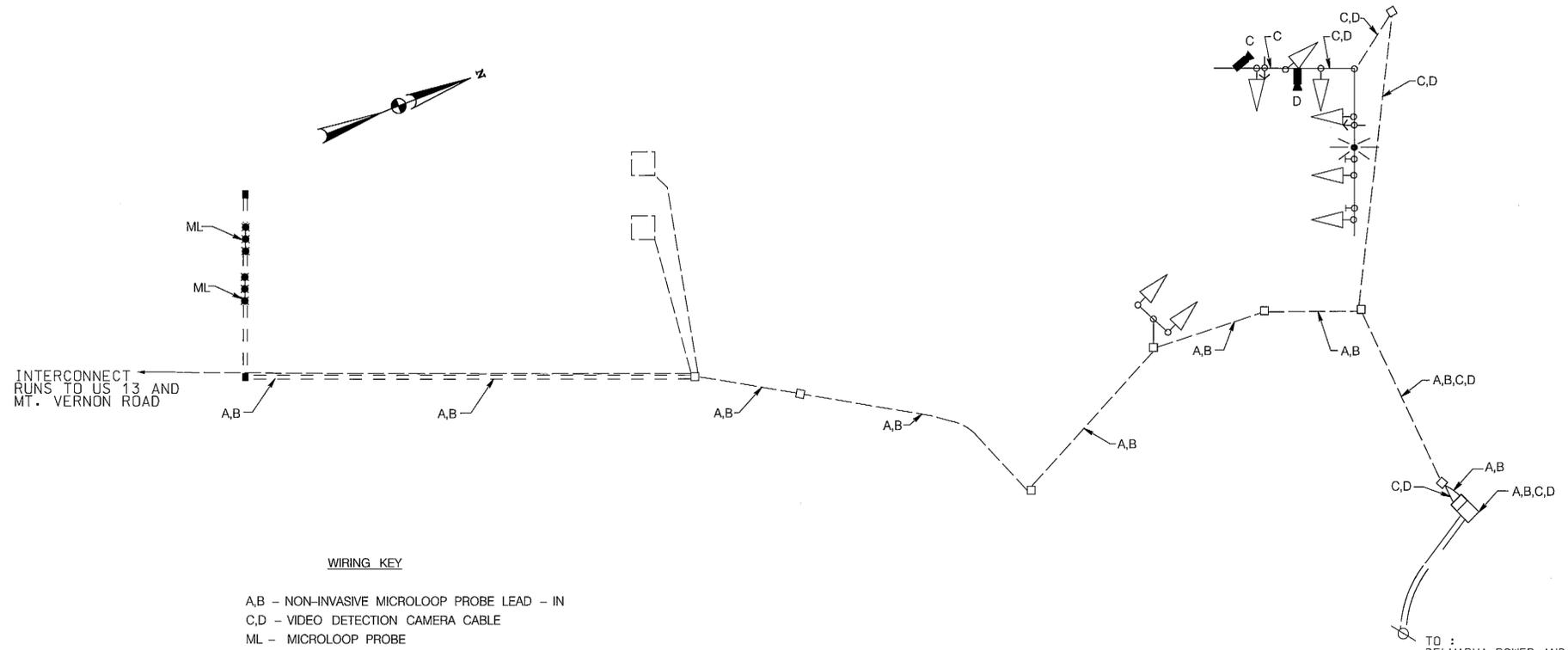
C. ALL MATERIALS TO BE REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR.

**PHASE CHART**

1	2	3	4	5	6	7	8
(R)							
(Y)							
(G)							

PHASE 6	G	G	G	R	R	R	R	R
6 CHANGE	Y	Y	Y	R	R	R	R	R
PHASE 5	R	R	R	G	G	G	R	R
5 CHANGE	R	R	R	Y	Y	Y	R	R
PHASE 3	R	R	R	R	R	R	G	G
3 CHANGE	R	R	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R
FIREHOUSE PREEMPTION 1	G	G	G	R	R	R	R	R
FIREHOUSE PREEMPTION 1 CLEARANCE	Y	Y	Y	R	R	R	R	R
FIREHOUSE PREEMPTION 2	R	R	R	R	R	R	G	G
FIREHOUSE PREEMPTION 2 CLEARANCE	R	R	R	R	R	R	Y	Y

**WIRING DIAGRAM**



**WIRING KEY**

A,B - NON-INVASIVE MICROLOOP PROBE LEAD - IN  
C,D - VIDEO DETECTION CAMERA CABLE  
ML - MICROLOOP PROBE

TO :  
DELMARVA POWER AND  
LIGHT POLE # 44039-87857  
AND TEL. DROP

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
US 13 AT UMES BLVD  
SOMERSET COUNTY, MARYLAND

**GENERAL INFORMATION SHEET**

SCALE	NONE	ADVERTISED DATE	8/2011	CONTRACT NO.	XX6625185
DESIGNED BY	AFAMH	COUNTY	SOMERSET		
DRAWN BY	FLB	LOGMILE	19001314.57		
CHECKED BY	JFL	TIMS NO.	J795		
F.A.P. NO.		TOD NO.			

TS NO. 3952 C	DRAWING	<b>SG-2</b>	OF 2	SHEET NO. 2 OF 2
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ENGINEERS  
PLANNERS  
SCIENTISTS  
CONSTRUCTION MANAGERS

**KCI**  
TECHNOLOGIES

936 RIDGEBROOK ROAD  
SPARKS, MARYLAND 21152  
TELEPHONE: (410) 316-7800  
FAX: (410) 316-7818

BORDED REV. DATE: March 27, 2007

DRILL HOLES

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BY: Ardalan Faghri Division: P068 Highway TrafficGMA Emp