

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES INSTALLING NEW NON-INVASIVE MICROLOOP PROBES ON MD 501 AND A VIDEO DETECTION CAMERA FOR 16TH AVENUE. MD 501 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA THREE PHASE FULLY ACTUATED MODE. THE MD 501 (CHILLUM ROAD) APPROACHES OPERATED CONCURRENTLY. A SEPARATE PHASE FOR WESTBOUND 16TH AVENUE IS PROVIDED.

III. PEDESTRIAN OPERATION

PEDESTRIAN PUSH BUTTONS ARE PRESENT TO CROSS THE WEST LEG OF THE INTERSECTION.

SPECIAL NOTES

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

OFFICE OF TRAFFIC AND SAFETY

DISTRICT

MR. VICTOR GRAFTON  
UTILITY ENGINEER  
301-513-7350

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

MS. FELECIA MURPHY (PG)  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
301-513-7358

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

MR. DUANE BERNARD  
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
301-513-7336

MR. ED RODENHIZER  
TEAM LEADER SIGNAL OPERATIONS  
410-787-7650

MR. VERNON STINNETT  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
301-513-7304

MR. EUGENE BAILEY  
TEAM LEADER SIGN OPERATIONS  
410-787-7670

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: 104.00 - 18, 104.03 - 12, 104.03 - 10, 104.03 - 14.

PHASE CHART

	1	2	3	4	5	6	7	8	
	(R)	(R)							
	(Y)	(Y)							
	(G)	(G)							
PHASE 2 & 6	G	G	G	G	R	R	DW	DW	←
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	R	R	DW	DW	→
PHASE 3	R	R	R	R	G	G	DW	DW	←
PHASE 3 CHANGE	R	R	R	R	Y	Y	DW	DW	→
PHASE 3 ALT.	R	R	R	R	G	G	WK	WK	○
PEDESTRIAN CLEARANCE	R	R	R	R	G	G	FDW	FDW	←
PHASE 3 ALT. CHANGE	R	R	R	R	Y	Y	DW	DW	→
FLASHING OPERATION	FY	FY	FY	FY	FR	FR	DARK	DARK	←

EQUIPMENT LIST

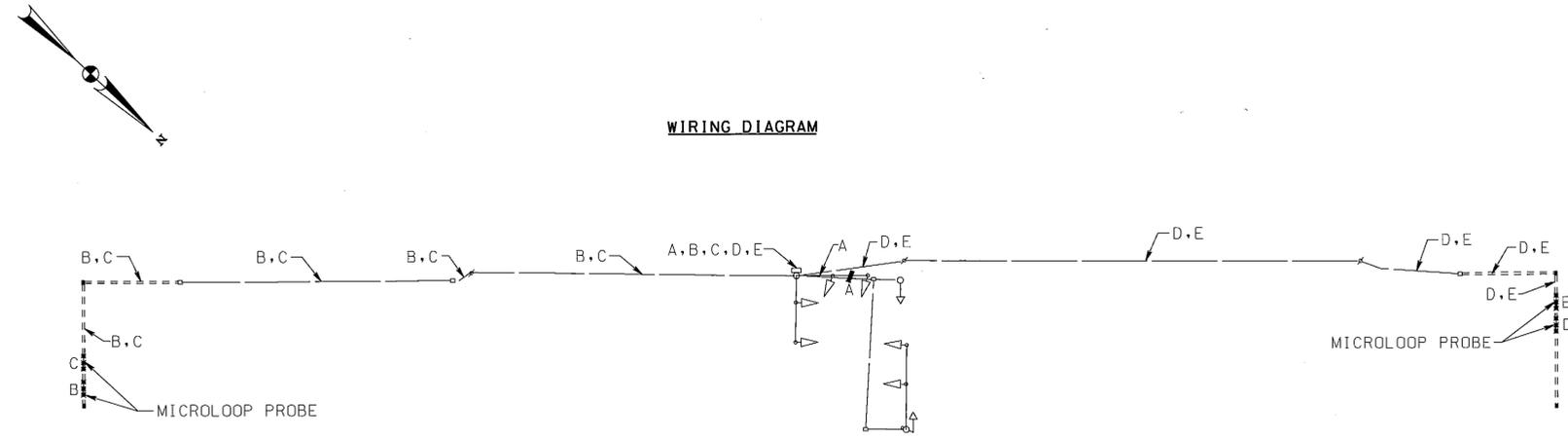
A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO./CAT CODE	QUANTITY	DESCRIPTION
9000000	1	RETRO RACK
900000	1	VIDEO DETECTION INTERFACE EQUIPMENT FOR 1-4 CAMERAS

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

ITEM NO./CAT CODE	QUANTITY	DESCRIPTION
1001 100000	1 EA	MAINTENANCE OF TRAFFIC
8004 800000	1 EA	CONDUIT (UP TO 4 INCHES) BEND IN EXITING FOUNDATION
8007 800000	1 EA	VIDEO DETECTION CAMERA AND CABLE
8012 800000	120 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - SLOTTED
8013 800000	90 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED
8018 800000	4 EA	NON INVASIVE DETECTOR UP TO 1000 FOOT LEAD-IN CABLE
8019 811001	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

WIRING DIAGRAM



WIRING LEGEND  
A } VIDEO DETECTION CABLE  
B,C,D,E } MICROLOOP PROBE

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 501 & 16th AVE.

REVISIONS	GENERAL INFORMATION SHEET
	SCALE NA ADVERTISED DATE 10/2010 CONTRACT NO. XX3555168
	DESIGNED BY AMH COUNTY PRINCE GEORGE'S
	DRAWN BY RB LOGMILE 16080100.80
	CHECKED BY JFL CSW TMS NO. K477
	F.A.P. NO. SEE TITLE SHEET TOD NO.
	TS NO. 1735-A DRAWING TS-4 OF 4 SHEET NO. 4 OF 4

ENGINEERS  
PLANNERS  
SCIENTISTS  
CONSTRUCTION MANAGERS

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

BY: Linda Fowler Division: P068 Highway TrafficGMA Emp