PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 301 AND MD 725 IN UPPER MARLBORO, PRINCE GEORGE'S COUNTY. EXISTING LOOP DETECTION FOR THE SIDE STREETS AND MAIN LINE LEFT TURNS ARE TO BE REPLACED WITH VIDEO DETECTION EQUIPMENT AND RELATED ZONES. EXISTING ADVANCE DETECTION ON US 301 MAIN LINE IS TO BE REPLACED WITH NEW NON-INVASIVE PROBES. EXISTING ADVANCE DETECTION IS TO BE REPLACED WITH CURRENT CAMERA EQUIPMENT.

US 301 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A SIX PHASE FULLY-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR N.B. AND S.B. US 301 AND SPLIT SIDE STREET PHASING.

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA DISTRICT #3 AND OOTS ARE AS FOLLOWS:

MS. FELECIA MURPHY
ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: 301-513-7318

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

MR. VICTOR GRAFTON
UTILITY ENGINEER
PHONE: 301-513-7350

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. MIKE STOCKER
SIGNAL SHOP WAREHOUSE
PHONE: 410-787-7696

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

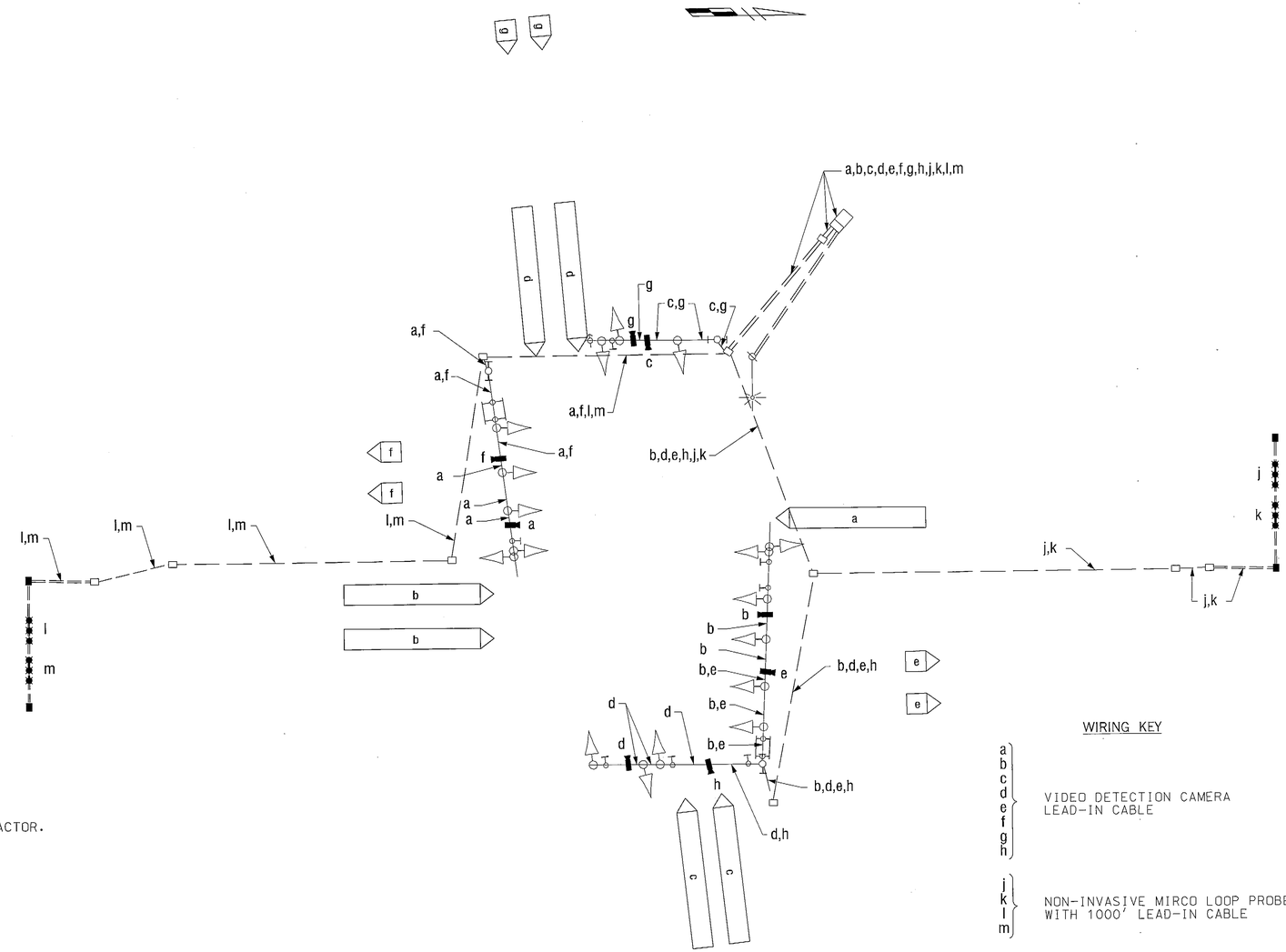
ITEM CODE	QTY	UNITS	DESCRIPTION
9087	1	EA	VIDEO DETECTION INTERFACE EQUIPMENT: 5-8 CAMERAS

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

ITEM CODE	QTY	UNITS	DESCRIPTION
1003	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8022	4	LF	MICROLOOP PROBE (ANY LENGTH) LEAD IN CABLE UP TO 1000 FT
8024	1	EA	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT - PER ASSIGNMENT
8028	6	EA	VIDEO DETECTION CAMERA & CABLE ANY LENGTH
8035	120	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8036	560	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8044	4	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

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

WIRING DIAGRAM



NOTE: NOT TO SCALE

WIRING KEY

a b c d e f g h — VIDEO DETECTION CAMERA LEAD-IN CABLE

j k l m — NON-INVASIVE MIRCO LOOP PROBE WITH 1000' LEAD-IN CABLE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PHASE 1 & 5	◁G-	◁G-	◁G-	R	R	R	◁G-	◁G-	R	R	R	R	R	R	R	R	R
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6																
PHASE 1 & 6	◁G-	◁G-	◁G-	G	G	G	◁R-	◁R-	R	R	R	R	R	R	R	R	R
1 CHANGE	◁Y-	◁Y-	◁Y-	G	G	G	◁R-	◁R-	R	R	R	R	R	R	R	R	R
PHASE 2 & 5	◁R-	◁R-	◁R-	R	R	R	◁G-	◁G-	G	G	G	R	R	R	R	R	R
5 CHANGE	◁R-	◁R-	◁R-	R	R	R	◁Y-	◁Y-	G	G	G	R	R	R	R	R	R
PHASE 2 & 6	◁R-	◁R-	◁R-	G	G	G	◁R-	◁R-	G	G	G	R	R	R	R	R	R
2 & 6 CHANGE	◁R-	◁R-	◁R-	Y	Y	Y	◁R-	◁R-	Y	Y	Y	R	R	R	R	R	R
PHASE 3	◁R-	◁R-	◁R-	R	R	R	◁R-	◁R-	R	R	R	R	R	R	◁G-G	◁G-G	G
3 CHANGE	◁R-	◁R-	◁R-	R	R	R	◁R-	◁R-	R	R	R	R	R	R	Y	Y	Y
PHASE 4	◁R-	◁R-	◁R-	R	R	R	◁R-	◁R-	R	R	R	◁G-G	◁G-G	G	R	R	R
4 CHANGE	◁R-	◁R-	◁R-	R	R	R	◁R-	◁R-	R	R	R	Y	Y	Y	R	R	R
FLASHING OPERATION	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

T3 DESIGN, P.C.
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BY: MKABENGELE

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 301 AND MD 725

UPPER MARLBORO, MARYLAND

GENERAL INFORMATION SHEET

SCALE 1" = 20' DATE 02 / 22 / 11 CONTRACT NO. XX3545168R

DESIGNED BY J. LEE COUNTY PRINCE GEORGE'S
DRAWN BY J. SMITH LOGMILE 16030114.80
CHECKED BY A. MORRIS T.I.M.S. NO. K605
F.A.P. NO. TOD NO.

TS NO. TS-8716-G1 | DRAWING NO. 2 OF 2 | SHEET NO. 2 OF 2

PLOTTED: Monday, February 28, 2011 AT 11:13 AM
FILE: J:\DATA\K605\Design Files\pSG-P002_US 301.dgn