

PROJECT DESCRIPTION

I. GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 146 (DULANEY VALLEY ROAD) AND THE ONRAMP TO I-695 EASTBOUND IN BALTIMORE COUNTY, MARYLAND.

A VIDEO DETECTION CAMERA TO BE INSTALLED FOR THE SB (LEFT TURN) APPROACH AND NEW SET BACK DETECTION IS PROPOSED FOR THE MD 146 NORTHBOUND DIRECTION.

MD 146 (DULANEY VALLEY ROAD) IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET & CONTROLLER WILL BE USED.

PROJECT CONTACTS

THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

MS. ERIN KUHN ASSISTANT DISTRICT ENGINEER - TRAFFIC 410-229-2381	MR. ROBERT SNYDER ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION 410-787-7631
MR. JESSE FREE ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 410-229-2421	MR. EDWARD RODENHIZER SUPERVISOR, SIGNAL OPERATIONS 410-787-7652
MR. ANDRE FUTRELL ASSISTANT DISTRICT ENGINEER - MAINTENANCE 410-229-2361	
MR. MICHAEL PASQUARIELLO UTILITY ENGINEER 410-229-2341	

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	VIDEO INTERFACE EQUIPMENT 1-4 CAMERAS	EA	1
973023	SHEET ALUMINUM SIGNS: - 2 EACH W11-2(36" X 36"), W16-7(30" X 18")	SF	25.5

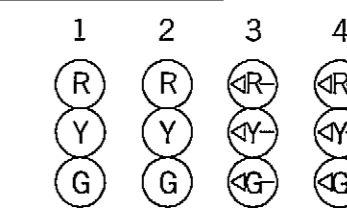
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
585621	12 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING	LF	80
585625	24 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING	LF	47
800000	VIDEO DETECTION CAMERA AND CABLE LEAD IN TO CONTROLLER	EA	1
801106	WOOD SIGN SUPPORTS 4"x6"	LF	34
805115	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	54
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	55
810605	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE	EA	2
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	2
813014	INSTALL GROUND MOUNTED SIGN	SF	25.5

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

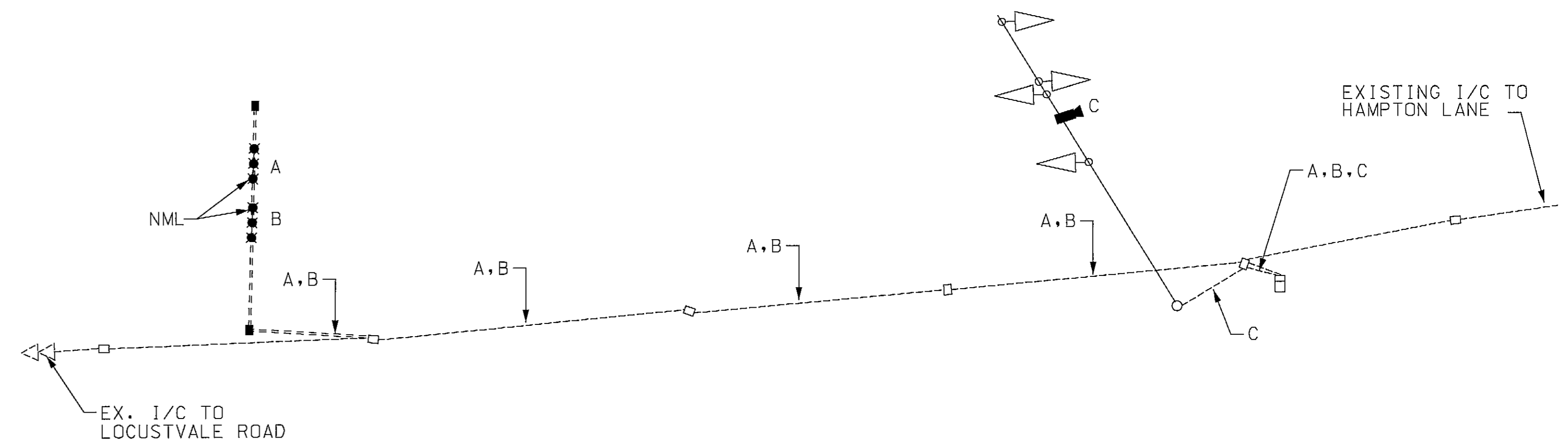
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

PHASE CHART



PHASE 2	G	G	←R	←R	
PHASE 2	Y	Y	←R	←R	→
4 CHANGE	R	R	←G	←G	↻
PHASE 4	R	R	←Y	←Y	↻
FLASHING OPERATION	FL/Y	FL/Y	FL/←R	FL/←R	↻

WIRING DIAGRAM



KEY

- A } NONINVASIVE DETECTOR LEAD IN CABLE
- B } NONINVASIVE DETECTOR LEAD IN CABLE
- C } VIDEO DETECTION CABLE
- NML } NONINVASIVE MICRO LOOP PROBE SET



SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 146 (DULANEY VALLEY ROAD) AND
SPUR TO EASTBOUND I-695
TOWSON, MARYLAND

GENERAL INFORMATION PLAN

SCALE NONE DATE 7/2012 CONTRACT NO. BA9825177

DESIGNED BY J. VOGT COUNTY BALTIMORE
DRAWN BY J. VOGT LOGMILE 03014600.67
CHECKED BY K. SWANN T.I.M.S. NO. L171
F.A.P. NO. TOD NO.

TS NO. 3774A-GI DRAWING NO. **SG** - 2 OF 2 SHEET NO. 44 OF 44

- 1 REDLINE NO. 1 8/17/12 REPLACED SHEET
- 3 ADDENDUM NO. 3 7/9/12 REPLACED SHEET

BY: JVOgt-