PROJECT DESCRIPTION

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THIS PROJECT INVOLVES ADJUSTING AN EXISTING HANDHOLE IN THE SOUTH-WEST QUADRANT AND INSTALLING VIDEO DETECTION. MD 177 IS ASSUMED TO RUN IN THE EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE EXISTING PHASING AT THE INTERSECTION WILL REMAIN.

CONTROLLER REQUIREMENTS

N/A

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

CONTACTS FOR DISTRICT 5:

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER, TRAFFIC
410-841-1003

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER, MAINTENANCE
410-841-1013

MR. JOHN S. MAYS
UTILITIES ENGINEER
410-841-1039

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY:

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

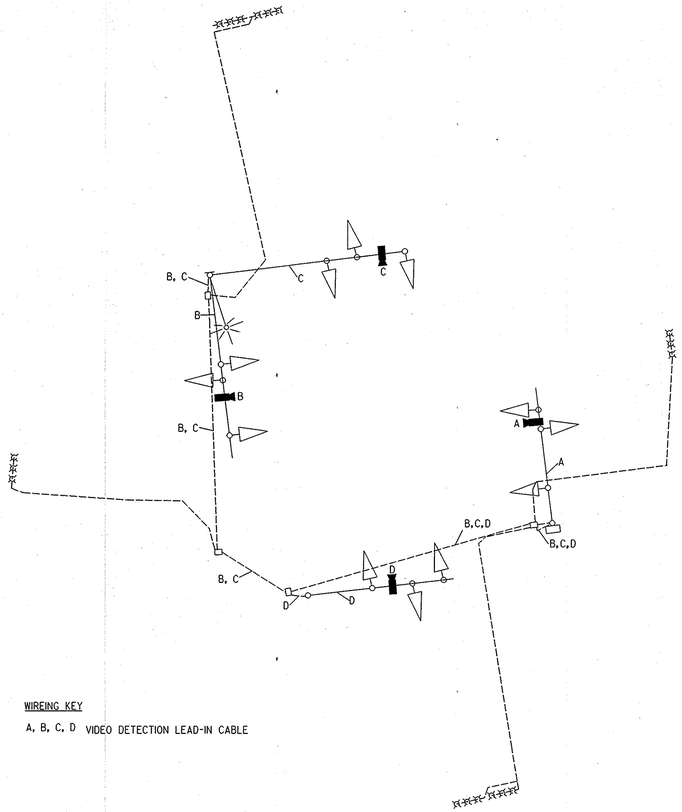
MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
CHIEF, SIGN OPERATIONS
410-787-7676

MR. MIKE STOCKER
SIGNAL SHOP WAREHOUSE
410-787-7696

WIRING DIAGRAM



WIREING KEY

A, B, C, D VIDEO DETECTION LEAD-IN CABLE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
900000	1 EA	VIDEO INTERFACE EQUIPMENT (1-4 CAMERA)

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION. 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

NONE

EQUIPMENT LIST "B"

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

AX3745133 ITEMS	CATEGORY CODE NO.	SPECIFICATION NUMBER	QUANTITY	DESCRIPTION
5001	500000	500	75 LF	REMOVAL OF EXISTING PAVEMENT MARKINGS
5007	585625	549,556	85 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
8005	800000	800	1 EA	REMOVE AND DISPOSE PER ASSIGNMENT
8021	802145	811	1 EA	ADJUST EXISTING HANDHOLE
NEG	816001	800	4 EA	VIDEO DETECTION CAMERA
NEG	816005	800	2 EA	CONTROL CABLE, 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER
NEG	816010	800	2 EA	CONTROL CABLE, 500 FOOT VIDEO DETECTION CAMERA TO CONTROLLER

PHASING DIAGRAM

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Phase 1 & 5	R G-	R G-	R	R G-	R G-	R	R	R	R	R	R	R	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R
1 & 5 Change to Phase 1 & 6 or Phase 2 & 6																			
Phase 1 & 6	G G-	G G-	G	R	R	R	R	R	R	R	R	R	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R
1 Change	G Y-	G Y-	G	R	R	R	R	R	R	R	R	R	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R
Phase 2 & 5	R	R	R	G G-	G G-	G	R	R	R	R	R	R	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R
5 Change	R	R	R	G Y-	G Y-	G	R	R	R	R	R	R	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R
Phase 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R
2 & 6 Change	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R
Phase 3	R	R	R	R	R	R	G G-	G G-	G	R	R	R	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R
3 Change	R	R	R	R	R	R	Y	Y	Y	R	R	R	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R
Phase 4	R	R	R	R	R	R	R	R	R	G G-	G G-	G	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R
4 Change	R	R	R	R	R	R	R	R	R	Y	Y	Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	8* FL/Y	FL/R	FL/R

1st Pre-Empt Interval	R	R	R	R	R	R	R	R	R	R	R	R	8Y QuickFlash	8Y QuickFlash	8Y QuickFlash	8Y QuickFlash	8Y QuickFlash	12* FL/R	12* FL/R
2nd Pre-Empt Interval	R	R	R	R	R	R	R	R	R	R	R	R	12* Y	12* Y	12* Y	12* Y	12* Y	12* R	12* R
Pre-Emption Phase	R	R	R	G G-	G G-	G	R	R	R	R	R	R	12* R	12* R	12* R	12* R	12* R	8* FL/Y	8* FL/Y
Pre-Emption Change	R	R	R	Y	Y	Y	R	R	R	R	R	R	12* R	12* R	12* R	12* R	12* R	12* Y	12* Y

NOTE: NO CHANGE TO EXISTING OPERATION

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 177 (MOUNTAIN ROAD) AT MD 648 WATERFORD RD/SOLLEY RD
PASADENA, MARYLAND

REVISION D CONSULTANT

WALLACE, MONTGOMERY & ASSOCIATES, LLP
CIVIL AND STRUCTURAL ENGINEERS
110 West Road
Suite 300
Towson, Maryland 21204

GENERAL INFORMATION SHEET

SCALE N.T.S. DATE NOVEMBER 2007 CONTRACT NO. AX3745133

DESIGNED BY Q.J.S.
DRAWN BY Q.J.S.
CHECKED BY J.L.R.
F.A.P. NO.

COUNTY ANNE ARUNDEL
LOGMILE 02017701.97
T.I.M.S. NO. 1775
TOD NO. 1440D

DRAWING NO. –

SHEET NO. 2 OF 2

PLOTTED: Friday, November 16, 2007 AT 08:26 AM
FILE: SFILE5