

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 26 (LIBERTY ROAD) AND WEST HELMLOCK DRIVE IN CARROLL COUNTY, MARYLAND. MD 26 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE PERMISSIVE PHASING ON THE EASTBOUND AND WESTBOUND MD 26 (LIBERTY ROAD) APPROACHES ARE BEING CHANGED TO PROVIDE EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING.

THE PERMISSIVE PHASING ON THE NORTHBOUND AND SOUTHBOUND WEST HELMLOCK DRIVE PHASING WILL REMAIN UNCHANGED.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	8 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 1 EACH R3-5(R) SIGN (30 IN. x 36 IN.)

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8001	20 EACH	12 INCH LED SIGNAL HEAD SECTION
8023	1 EACH	REMOVE & DISPOSE MATERIAL & EQUIPMENT (PER ASSIGNMENT)
8028	2 EACH	VIDEO DETECTION CAMERA & CABLE ANY LENGTH
8040	8 S.F.	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8056	760 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8059	140 L.F.	STEEL SPAN WIRE - 1/4 INCH DIAMETER

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR.

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 624-8140/8141

MS. ANDREA ABEND
DISTRICT UTILITY ENGINEER
PHONE: (301) 624-8115/8116

MS. SUSAN PALMER
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 624-8108

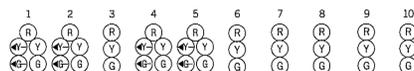
MR. CORREN JOHNSON
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

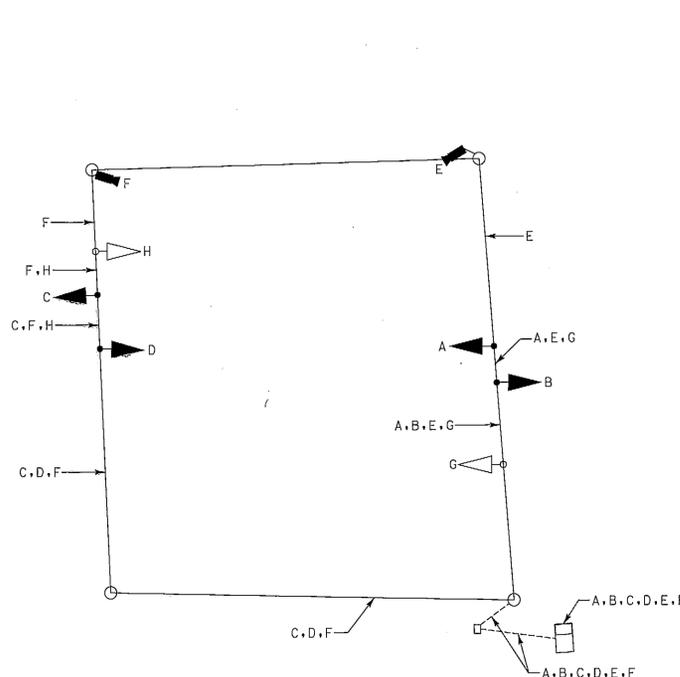
- STANDARD NO. MD-104.03-03 (LEFT LANE CLOSURE)
- STANDARD NO. MD-104.03-05 (RIGHT LANE CLOSURE)
- STANDARD NO. MD-104.03-13 (LEFT TURN BAY CLOSURE)

PHASE CHART



	1	2	3	4	5	6	7	8	9	10
PHASE 1 AND 5	R	R	R	R	R	R	R	R	R	R
1 AND 5 CHANGE	+G-	+G-	R	R	R	R	R	R	R	R
PHASE 1 + 6	G	G	G	R	R	R	R	R	R	R
1 + 6 CHANGE	+G-	+G-	G	R	R	R	R	R	R	R
PHASE 2 + 5	R	R	R	G	G	G	R	R	R	R
2 + 5 CHANGE	R	R	R	+G-	+G-	G	R	R	R	R
PHASE 2 + 6	G	G	G	G	G	G	R	R	R	R
2 + 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R
PHASE 4 + 8	R	R	R	R	R	R	G	G	G	G
4 + 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR

WIRING DIAGRAM



WIRING KEY

- A, B, C, D } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- E } VIDEO CAMERA DETECTION LEAD-IN CABLE
- G } EXISTING 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) TO REMAIN

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 26 (Liberty Road) and West Hemlock Drive
Eldersburg, Maryland

GENERAL INFORMATION SHEET

SCALE	NONE	DATE	6/02/2013	CONTRACT NO.	XX6505185
DESIGNED BY	G. PECK	COUNTY	Carroll		
DRAWN BY	G. PECK	LOGMILE	06002610.93		
CHECKED BY	N. LEARY	TMS NO.	L691		
F.A.P. NO.		TOD NO.			
TS NO.	1591E	DRAWING	TSP - 2	OF 2	SHEET NO. 2 OF 2

WR&A
WHITMAN, REQUARDT & ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21231

PLOTTED: June 03, 2013
FILE: N:\31669-236\CADD\SSG-A\202_MD26.dgn