

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF EXISTING LOOP DETECTION AND MICROLOOP PROBES TO VIDEO DETECTION AND NON-INVASIVE PROBES AT THE INTERSECTIONS OF MD 85 (BUCKEYSTOWN PIKE) & GUILFORD DRIVE, MD 85 (BUCKEYSTOWN PIKE) & GROVE ROAD, MD 85 (BUCKEYSTOWN PIKE) & LOWES ENTRANCE, MD 85 (BUCKEYSTOWN PIKE) & SPECTRUM DRIVE, MD 85 (BUCKEYSTOWN PIKE) & I-270 NB ENTRANCE RAMP AND MD 85 (BUCKEYSTOWN PIKE) & I-270 SB ENTRANCE RAMP.

THIS PROJECT IS LOCATED IN FREDERICK COUNTY, MARYLAND.

MD 85 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME AT EACH LOCATION.

CONTROLLER REQUIREMENTS

MD 85 (BUCKEYSTOWN PIKE) & GUILFORD DRIVE

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MD 85 (BUCKEYSTOWN PIKE) & GROVE ROAD

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MD 85 (BUCKEYSTOWN PIKE) & LOWES ENTRANCE

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MD 85 (BUCKEYSTOWN PIKE) & SPECTRUM DRIVE

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MD 85 (BUCKEYSTOWN PIKE) & I-270 NB ENTRANCE RAMP

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MD 85 (BUCKEYSTOWN PIKE) & I-270 SB ENTRANCE RAMP

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

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-104.04-01 (SHOULDER WORK) STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)
 STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE) STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)
 STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

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

MR. RAY JOHNSON
 ASSISTANT DISTRICT ENGINEER - MAINTENANCE
 PHONE: (301) 624-8105

MR. RICHARD L. DAFF, SR.
 CHIEF, TRAFFIC OPERATIONS DIVISION
 PHONE: (410) 787-7630

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9086	3 EACH	VIDEO INTERFACE EQUIPMENT: 1-8 CAMERAS
9570	13 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF (GROUND MOUNT) : - 2 EACH R4-7 SIGN (24 IN. x 30 IN.) - GROUND MOUNT - 1 EACH OM -1(1) (18 IN. x 18 IN.) - GROUND MOUNT
9571	31 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF (POLE MOUNT) : - 2 EACH R10-12(2) (48 IN. x 36 IN.) - MAST ARM MOUNT - 1 EACH R3-4 SIGN (30 IN. x 30 IN.) - MAST ARM MOUNT

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	2 C.Y.	TEST PIT EXCAVATION
8001	12 EACH	12 INCH LED SIGNAL HEAD SECTION
8018	2 EACH	MAST ARM POLE & 50' MAST ARM ANY 'T' DIMENSION
8022	20 EACH	MICROLOOP PROBE (ANY LENGTH) LEAD- IN CABLE UP TO 1000'
8023	1 EACH	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8028	12 EACH	VIDEO DETECTION CAMERA & CABLE UP TO 500 FT
8036	735 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - BORED
8037	45 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - SLOTTED
8038	420 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8039	31 L.F.	WOOD SIGN SUPPORTS UP TO 4' X 6'
8040	44 S.F.	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8042	50 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8046	20 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8050	690 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA
 ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PHASE CHART

THE EXISTING PHASING WILL REMAIN THE SAME AT EACH INTERSECTION.

TOD NO: XX650-14
 SHA NO: FR122B51
 MD 85 @ Various Locations

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 85 Traffic Signals
 Frederick, Maryland

GENERAL INFORMATION SHEET

SCALE: NONE	DATE: 3/28/2012	CONTRACT NO: XX6505185
DESIGNED BY: S. Bloss	COUNTY: Frederick	
DRAWN BY: S. Bloss	LOGMILE: _____	
CHECKED BY: N. Leary	TIMS NO: 1375	
F.A.P. NO: _____	TOD NO: _____	
TS NO: _____	DRAWING TSP-8 OF 8	SHEET NO. 8 OF 8

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

BY: sbloss