

**PROJECT DESCRIPTION**

**GENERAL**

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNALS AT THE INTERSECTIONS OF MD 65 AND PRIME OUTLETS BOULEVARD, MD 65 AND OAK RIDGE DRIVE AND MD 65 AND DAUB WAY IN WASHINGTON COUNTY, MARYLAND. MD 65 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

**CONTROLLER REQUIREMENTS**

1. MD 65 & PRIME OUTLETS BOULEVARD

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

2. MD 65 & OAKRIDGE DRIVE

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

3. MD 65 & DAUB WAY

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE DETECTOR RACK WILL BE RETRO-FITTED WITH ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS.

**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-104.04-05 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)

**PROJECT CONTACTS**

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. GEORGE H. SMALL  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 729-8444

MR. DAVID LARRICK  
DISTRICT UTILITY ENGINEER  
PHONE: (301) 729-8420

MR. GEORGE FRANKENBERRY  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 729-8457

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

**EQUIPMENT LIST "A"**

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY CODE	QUANTITY	DESCRIPTION
900000	1 EACH	RETRO FIT DETECTOR RACK
900000	2 EACH	VIDEO INTERFACE EQUIPMENT: 1-4 CAMERAS
963010	1 EACH	FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER

**EQUIPMENT LIST "B"**

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

CATEGORY CODE	QUANTITY	DESCRIPTION
805011	10 L.F.	1 INCH ELECTRICAL CONDUIT - GALVANIZED SLEEVE
805135	10 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
805160	35 L.F.	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
810550	7 EACH	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE
816001	6 EACH	VIDEO DETECTION CAMERA
816005	2 EACH	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
816010	4 EACH	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
862102	155 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
800000	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
800000	1 EACH	2" BLIND COUPLING WELDED AND GALVANIZED
800000	1 EACH	CONDUIT BEND IN EXISTING FOUNDATION

**EQUIPMENT LIST "C"**

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

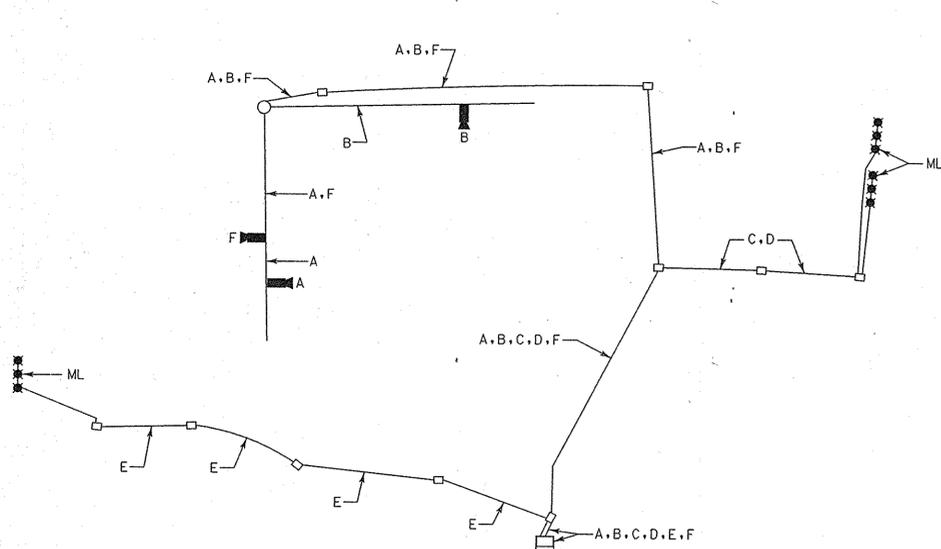
ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

**MD 65 AND DAUB WAY**

**MD 65 AND PRIME OUTLETS BLVD**

**WIRING DIAGRAM**

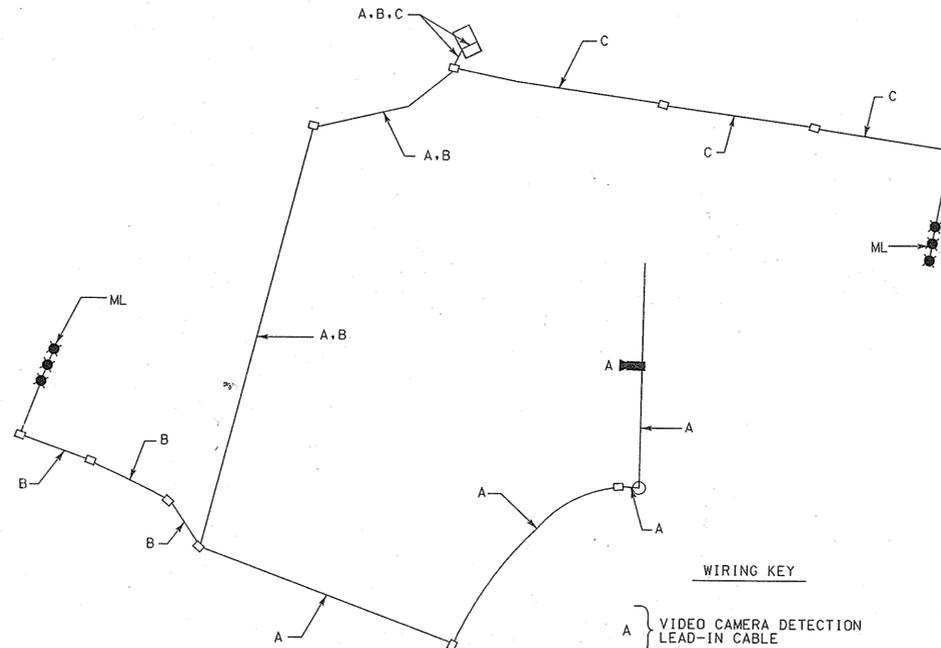
**MD 65 AND OAK RIDGE DRIVE**



**WIRING KEY**

- A } VIDEO CAMERA DETECTION LEAD-IN CABLE
- B } VIDEO CAMERA DETECTION LEAD-IN CABLE
- F } VIDEO CAMERA DETECTION LEAD-IN CABLE
- C } MICROLOOP PROBE LEAD-IN
- D } MICROLOOP PROBE LEAD-IN
- E } MICROLOOP PROBE LEAD-IN

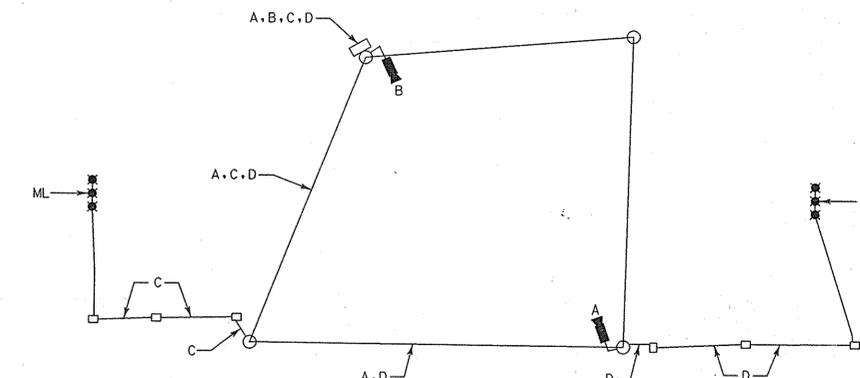
LW - LOOP WIRE (NO. 14 A.W.G.)  
ML - MICROLOOP PROBE SET



**WIRING KEY**

- A } VIDEO CAMERA DETECTION LEAD-IN CABLE
- B } MICROLOOP PROBE LEAD-IN

ML - MICROLOOP PROBE SET



**WIRING KEY**

- A } VIDEO CAMERA DETECTION LEAD-IN CABLE
- B } VIDEO CAMERA DETECTION LEAD-IN CABLE
- C } MICROLOOP PROBE LEAD-IN
- D } MICROLOOP PROBE LEAD-IN
- ML - MICROLOOP PROBE SET

**WR&A**  
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**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 65: I-70 To Wilson Boulevard (Signals)  
Hagerstown, MD

**GENERAL INFORMATION SHEET**

SCALE	NONE	ADVERTISED DATE	2/27/2008	CONTRACT NO.	WA3035177
DESIGNED BY	S. Bloss	COUNTY	Washington		
DRAWN BY	S. Bloss	LOGMILE			
CHECKED BY	N. Leary	TIMS NO.	1692		
F.A.P. NO.		TOD NO.			
TS NO.	DRAWING TSP-4	OF 4	SHEET NO.		OF