

**PROJECT DESCRIPTION**

THIS PROJECT INVOLVES THE ADDITION OF VIDEO DETECTION CAMERAS TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 2 AND MD 648 / WHITES ROAD IN ANNE ARUNDEL COUNTY. IT IS ASSUMED THAT MD 2 RUNS IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**

THIS INTERSECTION CURRENTLY OPERATES IN A SIX PHASE FULL TRAFFIC ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR NORTHBOUND AND SOUTHBOUND MD 2. MD 648 AND WHITES ROAD HAVE SPLIT PHASES.

**CONTROLLER REQUIREMENTS**

THE EXISTING FULLY-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER IN A BASE MOUNTED CABINET WILL BE USED. INSTALLATION OF THE VIDEO INTERFACE EQUIPMENT AND RETROFITTING OF THE DETECTION RACK WILL BE PERFORMED BY SHA.

**PROJECT CONTACTS**

CONTACT PERSONS FOR THE OOTS ARE AS FOLLOWS:

MR. RICHARD DAFF SR. CHIEF, TRAFFIC OPERATIONS 410-787-7630  
 MS. DARLENE EIDE SIGNAL SHOP WAREHOUSE 410-787-7696

MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630  
 MR. ED RODENHIZER CHIEF, SIGNAL OPERATIONS 410-787-7650

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MS. KIMBERLY TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC (410) 841-1019

MR. JOHN MAYS UTILITY ENGINEER (410) 841-1039

MR. CHARLES GEORGE ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 841-1013

**CONSTRUCTION DETAILS**

- A. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
- B. INSTALL DETECTION RACK AND VIDEO DETECTION INTERFACE EQUIPMENT INTO EXISTING CABINET.
- C. VIDEO DETECTION ZONE.
- D. USE EXISTING CONDUIT FOR VIDEO CABLE.
- E. USE EXISTING HANDHOLE FOR VIDEO CABLE.
- F. ABANDON EXISTING LOOP DETECTOR AND REMOVE ALL ASSOCIATED ALUMINUM SHIELDED 2-CONDUCTOR CABLES FROM HANDHOLES, CONDUITS AND CABINET.

**PHASE CHART**

NO PHASE CHANGE

**EQUIPMENT LIST "A"**

A. EQUIPMENT TO BE FURNISHED BY SHA

CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
900000	VIDEO INTERFACE EQUIPMENT 1-4 CAMERAS	EA	1
900000	DETECTION RACK RETROFIT	EA	1

**EQUIPMENT LIST "B"**

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

CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
816001	VIDEO DETECTION CAMERA	EA	4
816005	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	4

**EQUIPMENT LIST "C"**

C. EXISTING LOOP DETECTOR AMPLIFIERS SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO SHA.

ALL OTHER UNUSED EQUIPMENT AND MATERIAL REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION  
**MD 2 AND MD 648 /WHITES ROAD**

**GENERAL INFORMATION SHEET**

SCALE NONE DATE 3/2006 CONTRACT NO. AA4545177

DESIGNED BY TC COUNTY ANNE ARUNDEL  
 DRAWN BY TC LOGMILE 02000230.14  
 CHECKED BY DAE TMS NO. PENDING H-82  
 FAP NO. TOD NO.

TS NO. 2491D DRAWING - OF SHEET NO. 2 OF 2

**RKL**  
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