

**PROJECT DESCRIPTION**

**I. GENERAL**

This project involves the modification of the traffic control signal at the intersection of MD 450 and Riva Road/Connector A in Anne Arundel County, Maryland. MD 450 is considered to run in an east/west direction.

Intersection modification includes the installation of Video Detection, and the relocation of existing camera.

**II. INTERSECTION OPERATION**

The intersection operation is to remain unchanged.

Existing cabinet and controller to be utilized.

**EQUIPMENT LIST**

**A. S.H.A. furnished equipment material.**

None.

**B. Equipment to be furnished and installed by the Contractor.**  
All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
1	EA	---	Video Detection Camera and cable. (1 - 400 LF.)
80	LF	815	Sawcut for signal loop detector.
400	LF	---	Video detection cable.
265	LF	810	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
30	LF	810	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
16	LF	804	1 in. liquid tight flexible non-metallic conduit for loop detector sleeve.
1	EA	---	Relocate existing video detection camera.
Lump Sum	LS	---	Remove and dispose of existing signal equipment.
Lump Sum	LS	---	As-built for S.H.A. (on CADD).

**CONTACT LIST**

The contact persons for District #5 are as follows:

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Assistant District Engineer - Traffic  
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Mr. John S. Moys  
Assistant District Engineer - Utility  
410-841-1039

Mr. Chuck E. George  
Assistant District Engineer - Maintenance  
410-841-1015

Mr. Richard L. Doff  
Chief, Traffic Operations Division  
410-787-7630

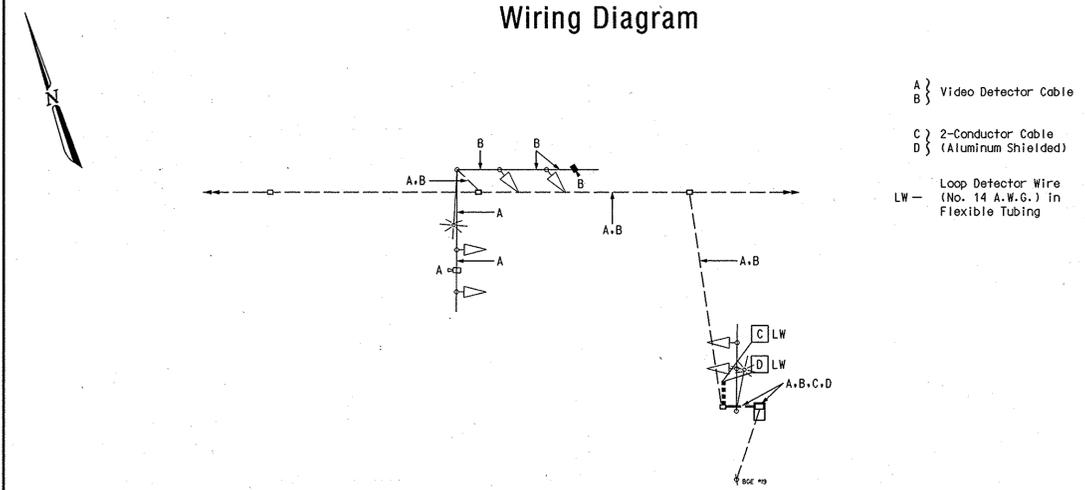
Mr. Edward Rodenhizer - Signal Operations  
Signal Operation Team Leader  
410-787-7652

Mr. Kevin Newton  
Anne Arundel County - DPW  
410-222-7331

**Phase Chart**

	1	2	3	4	5	6	
Phase 2	G	G	G	G	R	R	←
2 Change	Y	Y	Y	Y	R	R	→
Phase 4	R	R	R	R	G	G	←
4 Change	R	R	R	R	Y	Y	→
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	↕

**Wiring Diagram**



**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
(General Information Plan)  
**MD 450 and Riva Road/Connector A**

DRAWN BY: F. Brownley	F.A.P. NO. N/A	TS NO. 8641XIF-GI	SHEET NO. 4 OF 4
CHECKED BY: [Signature]	S.H.A. NO. BW996M82	T.I.M.S. NO. H584	
SCALE: N/A	COUNTY: Anne Arundel		
DATE: October 3, 2006	LOG MILE: 02045009.67		

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