

**PROJECT DESCRIPTION**

**GENERAL**

THIS PROJECT INVOLVES THE MODIFICATION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF PINDELL SCHOOL ROAD / CEDAR LANE AT MD 32 RAMP D SPUR IN HOWARD COUNTY. THE MODIFICATION INVOLVES THE ADDITION OF VIDEO DETECTION AND THE INSTALLATION OF MICROLOOP PROBES TO REPLACE EXISTING LOOP DETECTION IMPACTED BY CONSTRUCTION.

**INTERSECTION OPERATION**

THE EXISTING SYSTEM CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN AT THIS LOCATION. THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 3 NEMA PHASES.

**SPECIAL NOTES**

1. THE FOLLOWING CONTACT PERSONS FOR PROJECT ARE AS FOLLOWS:

**PROJECT CONTACTS:**

MR. JOHN CONCANNON, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
 PHONE: (301) 624-8104  
 MR. DAVE COYNE, ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
 PHONE: (301) 624-8105  
 MR. JAMES BUCKALEW, UTILITY ENGINEER  
 PHONE: (301) 624-8115  
 MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
 PHONE: (410) 787-7630

**EQUIPMENT LIST**

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
835	VIDEO DETECTION INTERFACE EQUIPMENT TO BE INSTALLED BY SHA FORCES	EA	1
839	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: D-3(2) (VAR x 32") MAST ARM MOUNT	SF EA	30 1

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

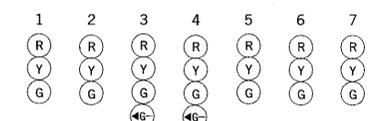
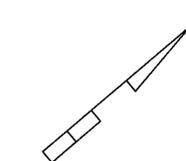
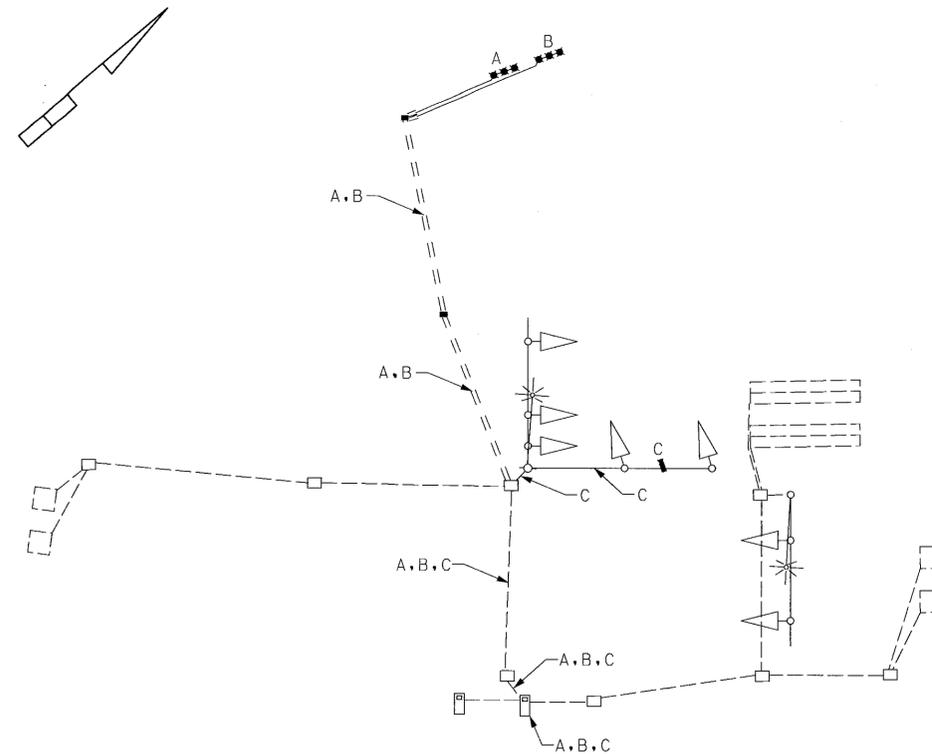
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
803	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	20
804	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	90
808	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	100
820	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE	EA	2
821	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	1
823	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	2
825	INSTALL SHEET ALUMINUM SIGN	SF	30
828	SAWCUT FOR SIGNAL (LOOP DETECTOR)	LF	90
833	VIDEO DETECTION CAMERA	EA	1

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR.

ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
834	REMOVE AND DISPOSE OF EXISTING HANDBOX (FRAME AND COVER)	LS	1
840	REMOVE EXISTING OVERHEAD SIGN	LS	1

**WIRING DIAGRAM**



	1	2	3	4	5	6	7	
PHASE 1	G	G	R	R	R	R	R	↑
1 CHANGE	Y	Y	R	R	R	R	R	→
PHASE 2	R	R	G	G	G	R	R	↑
2 CHANGE	R	R	Y	Y	Y	R	R	↓
PHASE 4	R	R	R	R	R	G	G	↑
4 CHANGE	R	R	R	R	R	Y	Y	↓
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLR	FLR	↔

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GD-01

**SABRA, WANG & ASSOCIATES, INC.**  
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**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
 GENERAL INFORMATION PLAN  
**PINDELL SCHOOL RD / CEDAR LANE AT MD 32 RAMP D SPUR**

DRAWN BY: J. WEAVER	F.A.P. NO. HO-292-510-770	TS NO. 3233-A	SHEET NO.
CHECKED BY: S. RENZI	S.H.A. NO. HOWARD	T.I.M.S. NO.	42A OF 43
SCALE: NONE	COUNTY: HOWARD	LOG MILE:	
DATE: JAN. 2003			