F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

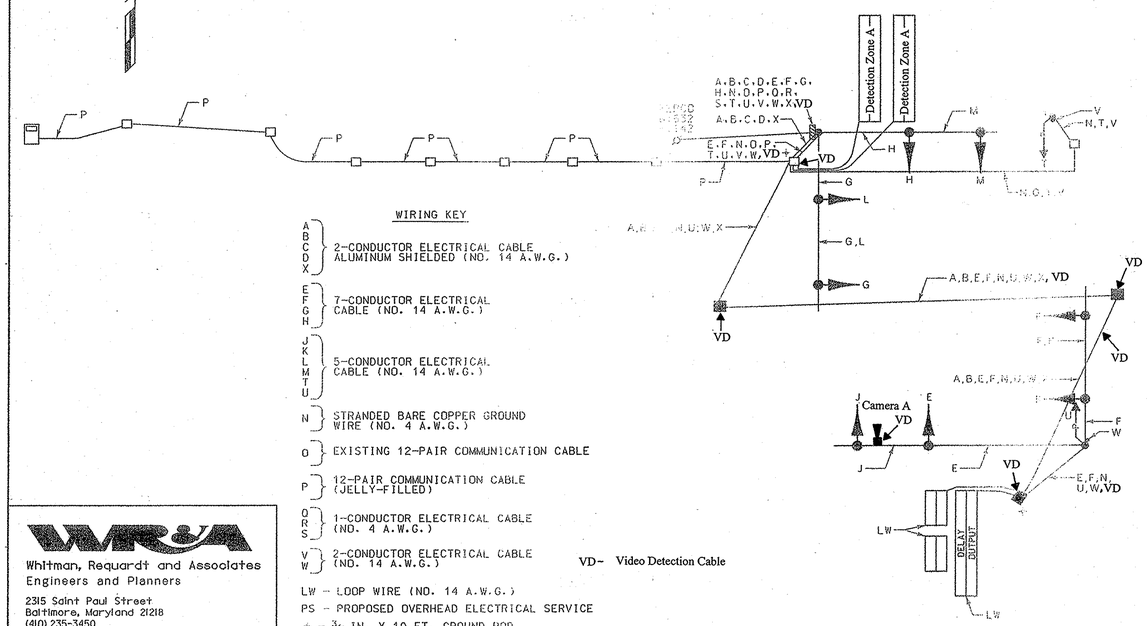
Construction Details

1. Install proposed video detection camera and lead-in cable on existing mast arm and upright.
2. Use existing conduit. Install proposed video detection camera lead-in cable.
3. Use existing conduit. Remove existing loop detector lead-in cables. Install proposed video detection camera lead-in cable.
4. Use existing handhole. Install proposed video detection camera lead-in cable.
5. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve(s). Remove existing phase 4 loop detector lead-in cables. Install proposed video detection camera lead-in cable.
6. Repair existing riser on existing pole mounted controller cabinet. Remove existing phase 4 loop detector lead-in cables. Install proposed video detection camera lead-in cable. Traffic Operations Division personnel to install and program video detection interface equipment upon completion of proposed detection work.
7. Remove existing stop line and replace stop line in accordance with SHA Standards.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10
	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G			
PHASE 2 + 6	G	G	G	G	R	R	R		DW	DW
2 + 6 CHANGE	Y	Y	Y	Y	R	R	R		DW	DW
PHASE 4 + 8	R	R	R	R	G	G	G		DW	DW
4 + 8 CHANGE	R	R	R	R	Y	Y	Y		DW	DW
PHASE 4 + 8 ALT.	R	R	R	R	G	G	G	G	WK	WK
PED CLEAR.	R	R	R	R	G	G	G		FL/DW	FL/DW
4 + 8 ALT. CHANGE	R	R	R	R	Y	Y	Y		DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK

WIRING DIAGRAM



WIRING KEY

A B C D X	2-CONDUCTOR ELECTRICAL CABLE ALUMINUM SHIELDED (NO. 14 A.W.G.)
E F G H	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
J K L M T U	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
N	STRANDED BARE COPPER GROUND WIRE (NO. 4 A.W.G.)
O	EXISTING 12-PAIR COMMUNICATION CABLE
P	12-PAIR COMMUNICATION CABLE (JELLY-FILLED)
Q R S	1-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
V W	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

VD- Video Detection Cable

LW - LOOP WIRE (NO. 14 A.W.G.)
PS - PROPOSED OVERHEAD ELECTRICAL SERVICE
⏚ - 3/4 IN. X 10 FT. GROUND ROD

Equipment List 'A'
Equipment to be supplied and installed by SHA.
Communication Panel
TS-2 Mini-Hub
TS-2 Mini-Hub Cables
Industrial 56k Modem
SDLC Cables

Equipment List 'B'
Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5004	45	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	45	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
8002	1	EA	CONTROL CABLE 400 FT. VIDEO DETECTION CAMERA TO CONTROLLER
NEG	1	LS	REPAIR EXISTING RISER FOR PHONE DROP
8020	1	EA	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8053	1	EA	VIDEO DETECTION CAMERA

Equipment List 'C'
Removed and Salvaged Items

NONE

WR&A
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Engineers and Planners
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS	APPROVALS	REVISIONS
	ASSISTANT DIVISION CHIEF	
	DISTRICT ENGINEER, TRAFFIC	
	TRAFFIC ENGINEERING DESIGN DIVISION	
	MANAGER, OFFICE OF TRAFFIC & SAFETY	

A Installation of Video Detection OT-2005 02/06
H-623

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
2/06 H-623 MD 414 (ST. BARNABAS RD) AND LEISURE DRIVE

DATE: 4-15-98	DRAWN BY: J. BLOSS	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO. 2 OF 2
SCALE: NONE	DESIGNED BY: M. LEARY	S.H.A. NO.	AW027X A55/B55/H55		
APPROVED BY:	CHECKED BY: J. HANNAN	COUNTY	PRINCE GEORGES		

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