PROJECT DESCRIPTION

I. GENERAL:

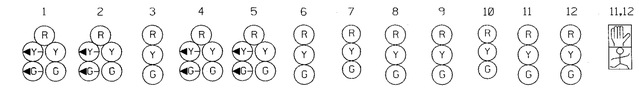
THIS PROJECT INVOLVES THE MODIFICATION OF THE TRAFFIC CONTROL SIGNAL AT MD 7 AND FONTANA LANE IN BALTIMORE COUNTY. THIS WORK WILL INVOLVE THE INSTALLATION OF VIDEO DETECTION CAMERAS. ALL EXISTING PRESENCE LOOPS WILL BE DISCONNECTED AND ABANDONED.

MD 7 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION:

THE INTERSECTION OPERATES IN A SIX-PHASE, FULLY-ACTUATED MODE. THE MD 7 APPROACHES OPERATE CONCURRENTLY WITH EXCLUSIVE/PERMISSIVE LEFT TURN MOVEMENTS FOR BOTH DIRECTIONS. THE SIDE ROAD MOVEMENTS OPERATE CONCURRENTLY WITH AN ACTUATED PEDESTRIAN MOVEMENT ACROSS NORTH LEG OF THE INTERSECTION.

A NEMA EIGHT-PHASE, FULL-ACTUATED CONTROLLER HOUSED IN AN EXISTING POLE MOUNTED CABINET IS LOCATED AT THE INTERSECTION.



	1	2	3	4	5	6	7	8	9	10	11	12	11,12
PHASE 1 & 5	◀G-R	◀G-R	R	◀G-R	◀G-R	R	R	R	R	R	R	R	DW
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6												
PHASE 1 & 6	◀G-G	◀G-G	G	R	R	R	R	R	R	R	R	R	DW
1 CHANGE	◀Y-G	◀Y-G	G	R	R	R	R	R	R	R	R	R	DW
PHASE 2 & 5	R	R	R	◀G-G	◀G-G	G	R	R	R	R	R	R	DW
5 CHANGE	R	R	R	◀Y-G	◀Y-G	G	R	R	R	R	R	R	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	G	G	DW
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW
4 & 8 ALT.	R	R	R	R	R	R	G	G	G	G	G	G	WK
PED. CLEAR	R	R	R	R	R	R	G	G	G	G	G	G	FL/DW
4 & 8 ALT. CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	Dark

EQUIPMENT LISTS

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

ITEM	QUANTITY		DESCRIPTION
9086	1	EA	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

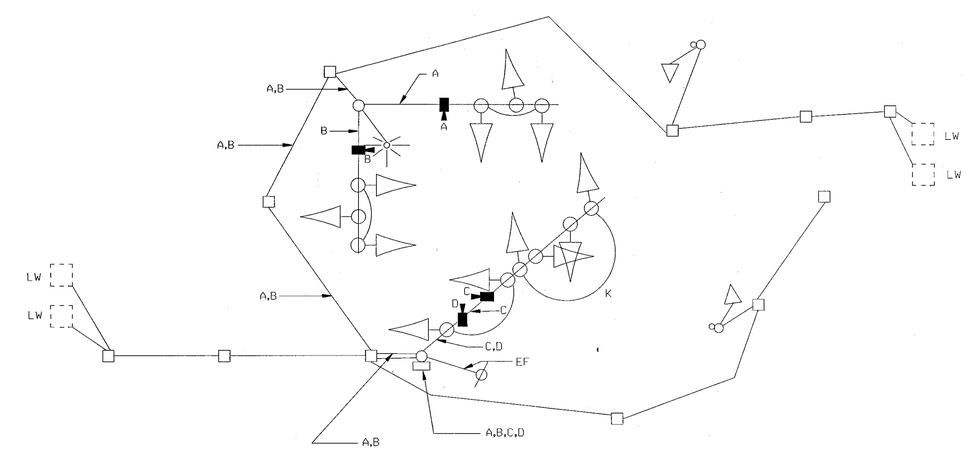
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
8007	2	EA	CONTROL CABLE, 100 FOOT, VIDEO DETECTION.
8008	2	EA	CONTROL CABLE, 200 FOOT, VIDEO DETECTION.
8056	4	EA	VIDEO DETECTION CAMERA

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

NONE

WIRING DIAGRAM



WIRING KEY

A-D = Video Detector Cable
EF = Existing Feed

CONTACT LIST

Mr. Randall Scott, Asst.
District Engineer- Traffic
Phone: 410-321-2781

Ms. Suenette Pope,
District Utility Engineer
Phone: 410-321-2761

Mr. Edward Rodenhizer, Chief
SHA Traffic Signal Shop
Phone: (410) 787 - 7650

Mr. Richard Daff Sr., Chief
Traffic Operations Division
Phone: (410) 787 - 7630

SHA #: BA445A68/B58 TOD#: AT357-26

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN
MD 7 @ FONTANA LANE

DRAWN BY: E. M. MILESKY	F.A.P. NO. AC-STPG-000S(904)E	TS NO. 3174 B	SHEET NO. 2 OF 2
CHECKED BY: EMM AND RJM	S.H.A. NO. AT3575185		
SCALE: 1" = 20'	COUNTY: BALTIMORE	T.I.M.S. NO. G186	
DATE: MARCH 2004	LOG MILE: 03000702.83		