PROJECT DESCRIPTION

GENERAL

THESE INTERSECTION IMPROVEMENTS INCLUDE ADDING A THROUGH LANE ON EASTBOUND MD 124, A LEFT LANE ON NORTHBOUND MD 355, AND CHANGING WESTBOUND MONTGOMERY AVE. RIGHT TURN LANE TO A RIGHT/THROUGH LANE. THE INTERSECTION SIGNALS ARE TO BE RECONSTRUCTED DUE TO GEOMETRIC IMPROVEMENTS. EAST LEG AND WEST LEG WILL BE CHANGED TO HAVE ACTUATED PEDESTRIAN PHASES. MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE CABINET AND CONTROLLER ARE TO BE UTILIZED. MD 355 NORTHBOUND WILL OPERATE AS A LEADING TRIPLE LEFT TURN WITH CONCURRENT THRU MOVEMENT AND SOUTHBOUND MD 355 WILL OPERATE AS A DOUBLE LEFT TURN LAG MOVEMENT.

MD 124 NORTHBOUND WILL OPERATE A DOUBLE LEFT TURN AND CONCURRENT THRU MOVEMENTS. ALL PEDESTRIAN MOVEMENTS WILL BE ACTUATED ONLY BY PUSHBUTTONS.

THIS INTERSECTION IS TO OPERATE IN A NEMA SEVEN-PHASE, SEMI-TRAFFIC-ACTUATED MODE.

PROJECT CONTACTS

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MR. RANDY BROWN
ASSISTANT DISTRICT ENGINEER
- MAINTENANCE
(301) 513-7304

MR. ROBERT GONZALES
MCDPW
(204) 777-8761

EQUIPMENT LIST "A"

A. EQUIPMENT TO SUPPLIED BY THE ADMINISTRATION

	QUANTITY	UNIT	SPEC. SECTION	DESCRIPTION
2	~~8~~	~~EA~~		~~AUTOSCOPE CAMERA EQUIPMENT FOR VIDEO DETECTION~~

EQUIPMENT LIST "B"

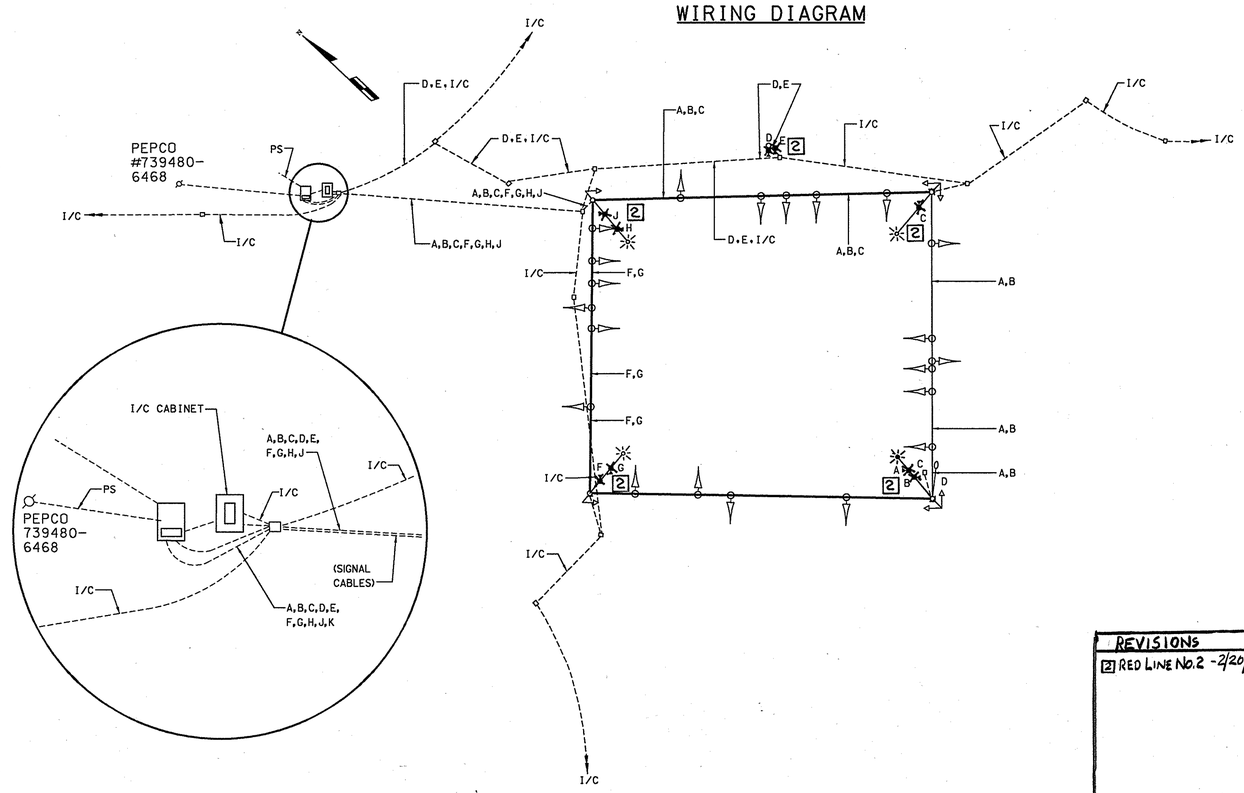
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

	QUANTITY	UNIT	SPEC. SECTION	DESCRIPTION
	4	EA	-	RELOCATE TRAFFIC SIGNAL - 3 SECTION HEADS - SPAN WIRE MOUNT
	8	SF	-	RELOCATE SHEET ALUMINUM SIGN - OVERHEAD MOUNT
2	~~8~~	~~EA~~		~~INSTALL AUTOSCOPE VIDEO CAMERA~~
2	5	EA	-	FURNISH DETECTOR CAMERA EQUIPMENT

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	~~RA~~ ~~YA~~ ~~GA~~	R Y G	~~RA~~ ~~YA~~ ~~GA~~	~~RA~~ ~~YA~~ ~~GA~~	R Y G	R Y G	~~RA~~ ~~YA~~ ~~GA~~	R Y G	~~RA~~ ~~YA~~ ~~GA~~	~~RA~~ ~~YA~~ ~~GA~~	R Y G	R Y G	~~RA~~ ~~YA~~ ~~GA~~	R Y G	~~RA~~ ~~YA~~ ~~GA~~	~~RA~~ ~~YA~~ ~~GA~~	R Y G	R Y G	R Y G	R Y G	R Y G						
PHASE 1 & 6	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1 CHANGE	Y	G	Y	Y	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 6	R	G	R	R	G	G	R	G	R	R	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
2 & 6 CHANGE	R	Y	R	R	Y	Y	R	Y	R	R	Y	Y	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 ALT. & 6	R	G	R	R	G	G	R	G	R	R	G	G	R	R	R	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW
PED. CLEARANCE	R	G	R	R	G	G	R	G	R	R	G	G	R	R	R	R	R	R	R	R	R	FL/DW	DW	DW	FL/DW	DW	DW
2 ALT. & 6 CHANGE	R	Y	R	R	Y	Y	R	Y	R	R	Y	Y	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 6 ALT.	R	G	R	R	G	G	R	G	R	R	G	G	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW
PED. CLEARANCE	R	G	R	R	G	G	R	G	R	R	G	G	R	R	R	R	R	R	R	R	R	DW	FL/DW	FL/DW	DW	DW	DW
2 & 6 ALT. CHANGE	R	Y	R	R	Y	Y	R	Y	R	R	Y	Y	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 ALT & 6 ALT.	R	G	R	R	G	G	R	G	R	R	G	G	R	R	R	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW
PED. CLEARANCE	R	G	R	R	G	G	R	G	R	R	G	G	R	R	R	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
2 ALT. & 6 ALT. CHANGE	R	Y	R	R	Y	Y	R	Y	R	R	Y	Y	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 5	R	R	R	R	R	R	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
5 CHANGE	R	R	R	R	R	R	Y	G	Y	Y	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 & 7	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	R	R	R	R	DW	DW	DW	DW	DW	DW
7 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	Y	G	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	G	G	G	G	G	DW	DW	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 ALT. & 8	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	G	G	G	G	G	DW	DW	DW	DW	WK	WK
PED. CLEARANCE	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	G	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW
4 ALT. & 8 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/R	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



WIRING KEY

A D G
B E H
C F J } VIDEO CAMERA CABLE

PS - POWER SERVICE BY PEPCO

I/C - INTERCONNECT CABLES

AUTO SCOPE (VIDEO DETECTION)

EXISTING CCTV CAMERA

ULTIMATE TRAFFIC CONTROL SIGNAL

REVISIONS
2 RED LINE NO.2 -2/20/01

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN

MD 355 AND MD 124

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(410) 737-6564

PREPARED BY
URS Greiner Woodward Clyde
HUNT VALLEY, MARYLAND

DRAWN BY: M. MEARS	F.A.P. NO.		TS NO. 28E	SHEET NO.
CHECKED BY: D. DODA	S.H.A. NO.			
SCALE:	COUNTY:	MONTGOMERY	T.I.M.S. NO. D124	35 OF 56
DATE:	LOG MILE:	15035515.55		

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