

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 152 AND TRIMBLE ROAD IN HARFORD COUNTY. THE MODIFICATION INVOLVES INSTALLING NEW LOOP DETECTORS, RELOCATING SIGNAL HEADS AND INSTALLING NEW PAVEMENT MARKINGS.

INTERSECTION OPERATION

THERE WILL BE NO INTERSECTION OPERATION CHANGE

THE INTERSECTION OPERATES IN A NEMA-FIVE PHASE FULLY-ACTUATED MODE WITH AN EXCLUSIVE PERMISSIVE LEFT TURN PHASE FOR EASTBOUND TRIMBLE ROAD. THE MD 152 THROUGH MOVEMENTS OPERATE CONCURRENTLY AND THE TRIMBLE ROAD THROUGH MOVEMENTS OPERATE CONCURRENTLY.

SPECIAL NOTE:

THE CONTRACTOR SHALL CONTACT ED RODENHIZER AT 410 787-7650 72 HOURS BEFORE STARTING ANY TRAFFIC SIGNAL WORK.

EQUIPMENT LIST "A"

EQUIPMENT TO BE SUPPLIED BY SHA:

ITEM NO.	QUANTITY	DESCRIPTION
9001	1 EA	FOUR CHANNEL LOOP DETECTOR AMPLIFIER

EQUIPMENT LIST "B"

EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR:

ITEM NO.	QUANTITY	SPEC. SECTION	DESCRIPTION
5001	50 LF		24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5003	2 EA		HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
8000	1 EA		TO BE NEGOTIATED - Disconnect micro loop probe at controller. Pull back to existing handhole and reroute through new conduit and handhole.
8001	2 EA		FURNISH AND INSTALL MICROLOOP PROBE SET WITH 500 FOOT LEAD-IN
8002	575 LF		FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8003	30 LF		FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON METALIC CONDUIT SLEEVE
8005	170 LF		FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8006	160 LF		FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8007	4 EA		FURNISH AND INSTALL ELECTRICAL HANDHOLE
8008	1650 LF		FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8009	625 LF		FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8010	165 LF		FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
8011	1 EA		REMOVE AND DISPOSE OF EXISTING EQUIPMENT PER ASSIGNMENT

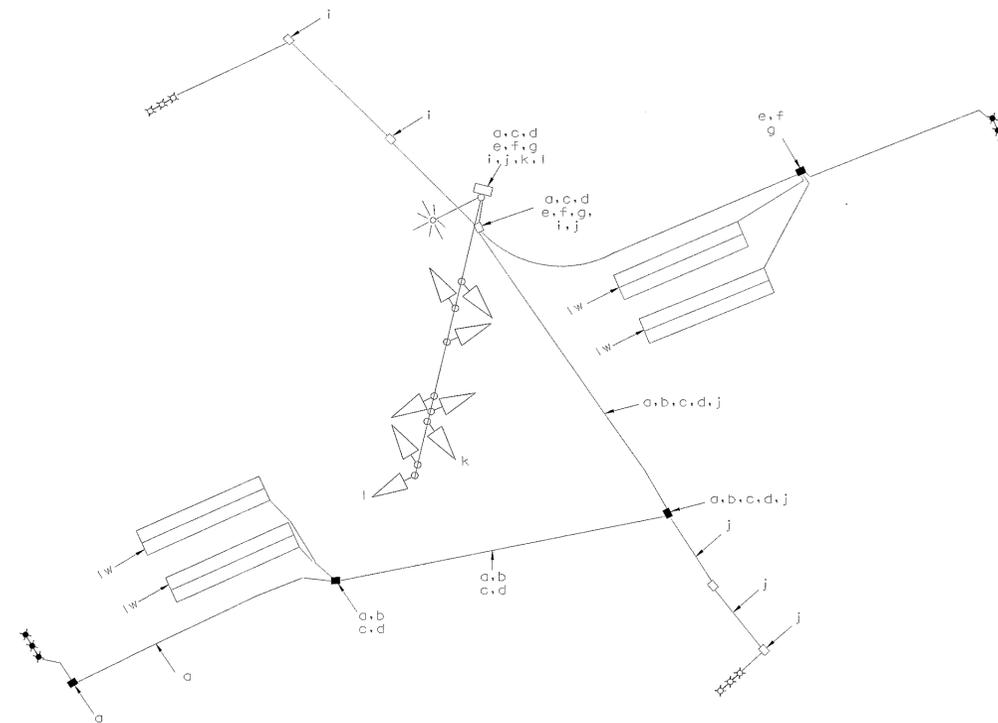
CONTACT LIST

THE CONTACT PERSONS FOR DISTRICT #4 ARE AS FOLLOWS

- Mr. Dave Malkowski
District Engineer
410 321-2810
- Mr. Randall Scott
Assistant District Engineer-Traffic
410 321-2761
- Mr. Joseph McMahon
Assistant District Engineer- Utility
- Mr. Dave Ramsey
Assistant District Engineer-Maintenance
410 321-2761
- Mr. Richard Daff
Chief, Traffic Operation Division
410 787-5856

PHASE CHART

	1	2	3	4	5	6	7	8	
	(R) (Y) (G)								
Phase 2 & 6	G	G	G	G	R	R	R	R	←
2 & 6 Change	Y	Y	Y	Y	R	R	R	R	→
Phase 3 & 8	R	R	R	R	G-G	G	R	R	↑
3 Change	R	R	R	R	Y-G	G	R	R	↓
Phase 4 & 8	R	R	R	R	G	G	G	G	↕
4 & 8 Change	R	R	R	R	Y	Y	Y	Y	↕
Flashing	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	↕
Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	↕



a,b,e,f - micro loop probe set (500ft lead-in).
 c,d,g,h - 2 conductor electrical cable no. 14 awg (aluminum shielded).
 l,w - loop wire no. 14 awg encased in flexible tubing.
 k,l - 7 conductor electrical cable no. 14 awg

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION
 GENERAL INFORMATION SHEET
 MD 152 AND TRIMBLE ROAD

DRAWN BY: D. DICKERSON	F.A.P. NO.	TS. NO.
CHECKED BY: <i>BW334M83</i>	S.H.A. NO.	2639 B
SCALE: 1" = 20'	COUNTY: HARFORD	T.I.M.S. NO.
DATE: 5/90	LOG MILE: 1201520.98	E-375

SHEET NO. 2 OF 2