PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF 3 - MICROLOOP PROBE DETECTORS, 6' X 30' LOOP DETECTORS, AND THE RELOCATION OF THE EXISITNG CROSSWALK AND PEDESTRIAN SIGNAL HEADS IMPACTED BY THE RESURFACING AND MEDIAN GEOMETRIC IMPROVEMENTS AT THE INTERSECTION OF MD 650 (NEW HAMPSHIRE AVENUE) AND METZEROTT ROAD IN PRINCE GEORGE'S COUNTY, MD.

INTERSECTION OPERATION

THERE WILL BE NO CHANGES TO THE OPERATION OF THE INTERSECTION. THE EXISTING INTERSECTION OPERATES IN A NEMA PHASE 4 OPERATION. THE ADVANCED HAZARD IDENTIFICATION BEACON WILL FLASH ALTERNATELY JUST PRIOR TO THE START OF THE GREEN PHASE FOR NEMA 4, AND TURN OFF AT THE START OF NEMA PHASE 2.

SPECIAL NOTES

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

PROJECT CONTACTS:

MR. MAJIB SHAKIB, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358
MR. WAYNE MOWRY, ASSISTANT DISTRICT ENGINEER- MAINTENANCE
PHONE: (301) 513-7304
MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: (301) 513-7350
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. ED RODENHISER, SUPERVISOR SIGNAL OPERATIONS DIVISION
PHONE: (410) 787-7652

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

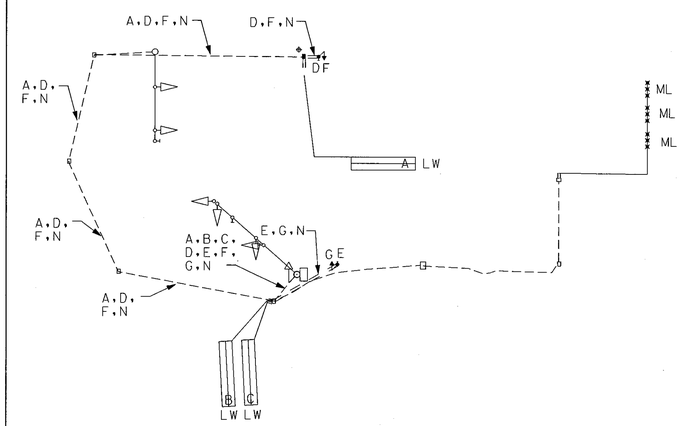
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
585620	12" HEAT APPLIED WHITE PERMEANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING	LF	265
585624	24" HEAT APPLIED WHITE PERMEANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING	LF	70
800000	12 INCH PEDESTRAIN SIGNAL HEAD	EA	2
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	EA	1
800000	RELOCATE EXISTING PEDESTAL POLE	EA	1
800000	F&I PEDESTAL POLE - ANY SIZE	EA	1
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	2
802501	NO. 6 AWG STRANDED BARE COPPER GROUND	LF	300
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	50
805160	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	10
810550	MICROLOOP PROBE, 500 FT LEAD-IN CABLE	EA	3
811001	F&I ELECTRIC HANDHOLE	EA	1
837001	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	EA	1
861104	ELECTRIC CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	LF	515
861105	ELECTRIC CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)	LF	560
861106	ELECTRIC CABLE - 3 CONDUCTOR (NO. 14 A.W.G.)	LF	560
862101	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)	LF	1350
862102	SAW CUT FOR SIGNAL 9LOOP DETECTORS)	LF	450
865001	PUSH BUTTON AND SIGN	EA	1

C. EQUIPMENT TO BE SALVAGED AND RETURNED TO SHA.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

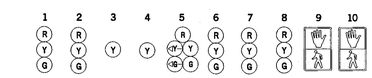
WIRING DIAGRAM



KEY

- A, B, C — 2 CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED)
- D, E — 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- F, G — 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- N — STRANDED COPPER GROUND WIRE (NO. 6 A.W.G.)
- LW — LOOP WIRE
- ML — MICROLOOP PROBE SET
- ⊕ — GROUND ROD

PHASE CHART



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

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

MD 650 AT METZEROTT ROAD

DRAWN BY:	D. RUSSELL	F.A.P. NO.	STP-249-(019)E	TS NO. 586 F	SHEET NO.
CHECKED BY:	A. BEALL	S.H.A. NO.	PG2325176		
SCALE:	1" = 20'	COUNTY:	PRINCE GEORGE'S	T.I.M.S. NO. F-890	9 OF 10
DATE:	MARCH 2004	LOG MILE:	16065002.98		