

PROJECT DESCRIPTION

GENERAL
 THIS PORTION OF THE PROJECT INVOLVES THE REPLACEMENT OF A LOOP DETECTOR FOR THE SOUTHBOUND APPROACH AT THE INTERSECTION OF MD 97 (GEORGIA AVENUE) AND SHOREFIELD ROAD IN MONTGOMERY COUNTY, DUE TO THE RESURFACING AND SAFETY IMPROVEMENTS TO MD 97. ALL EXISTING VEHICULAR TRAFFIC SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS WILL REMAIN. MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION
 THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA FIVE-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR THE SOUTHBOUND APPROACH. THE CONCURRENT MAINLINE AND ALTERNATE SIDE STREET PEDESTRIAN PHASES WILL REMAIN.

CONTROLLER REQUIREMENTS
 THE EXISTING BASE MOUNTED CONTROLLER SHALL REMAIN.

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Mr. Jeff Wentz
 Assistant District Engineer - Traffic
 Phone: 301-513-7358

Mr. Agle Rebish
 Assistant District Engineer - Utility
 Phone: 301-513-7350

Mr. Wayne Mowdy
 Assistant District Engineer - Maintenance
 Phone: 301-513-7304

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

The Power Company Representative Is:
 Potomac Electric Power Company
 8300 Old Marlboro Pike
 Upper Marlboro, Maryland 20772
 Phone: 301-961-5325

Mr. Kamal Hamud
 Montgomery County Department of Public Works
 Phone: 240-777-8761

Mr. Keith Lord
 Montgomery County
 Phone: 301-279-1291

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

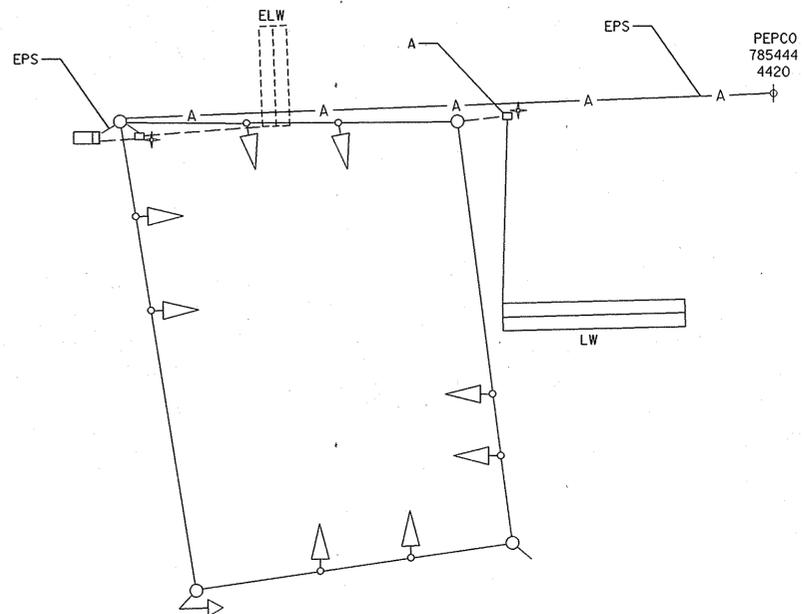
ITEM NO	QUANTITY	DESCRIPTION
NONE		ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

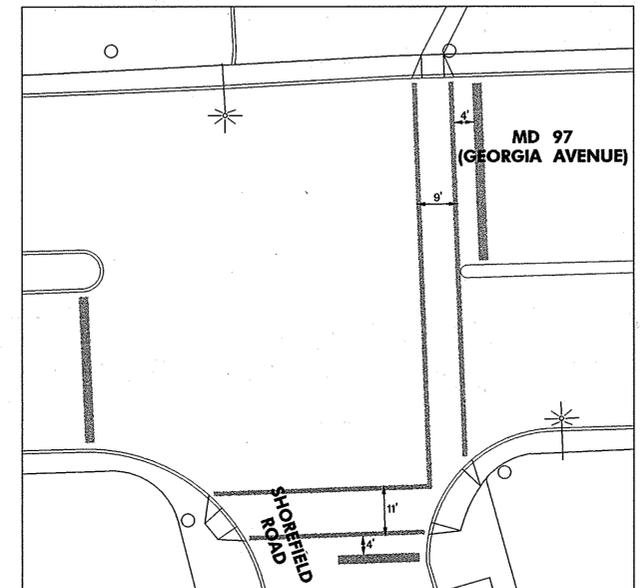
EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
585412	300 LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585424	100 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
800000	1 LS	REMOVE AND DISPOSE OF TRAFFIC SIGNAL EQUIPMENT
805160	10 LF	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
862101	450 LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO.14 AWG)
862102	180 LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

WIRING DIAGRAM



PROPOSED PAVEMENT MARKING DETAIL



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 2 & 5	R	R	G	G	R	R	R	R	DW	DW	DW	DW
PHASE 5 CHANGE	R	R	G	G	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	R	R	R	R	W	W	DW	DW
PHASE 2 & 6 PED. CLEARANCE	G	G	G	G	R	R	R	R	FL/DW	FL/DW	DW	DW
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	G	G	G	G	DW	DW	DW	DW
PHASE 4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 & 8 ALT.	R	R	R	R	G	G	G	G	DW	DW	W	W
PHASE 4 & 8 ALT. PED. CLEARANCE	R	R	R	R	G	G	G	G	DW	DW	FL/DW	FL/DW
PHASE 4 & 8 ALT. CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

- A - SPLICE NEW LOOP WIRE TO ONE EXISTING 2 CONDUCTOR (ALUMINUM SHIELDED) WIRE
- LW - LOOP WIRE
- ELW - EXISTING LOOP WIRE
- EPS - EXISTING POWER SOURCE
- ⊕ - EXISTING GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH.

BY: WEAVERCC

STV Incorporated
 engineers / architects / planners / construction managers
 7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION

MD 97 (GEORGIA AVENUE) AND SHOREFIELD ROAD

GENERAL INFORMATION

SCALE NONE DATE 12/2006 CONTRACT NO. MO5665177

DESIGNED BY MCG COUNTY MONTGOMERY
 DRAWN BY MCG LOGMILE 15009703.27
 CHECKED BY BAB T. I. M. S. NO. H326
 F. A. P. NO. TOD NO.

DRAWING NO. **TS-2017C** OF SHEET NO. OF