DRILL HOLES

BORDER REV: DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal with interconnect at the intersection of MD 355 (Rockville Pike) and MD 547 (Strathmore Avenue) / Georgetown Prep. Driveway in Montgomery County. MD 355 (Rockville Pike) is assumed to run a north-south direction.

This project involves adjustment of the video detection zones for the southbound and eastbound approaches and the installation of additional signing on the eastbound approach to accommodate the widening of the Georgetown Prep. Driveway. The existing NEMA six-phase, semi-actuated operation of the intersection is to remain unchanged.

II. SPECIAL NOTES

1. All construction related to the geometric changes to the intersection, milling of pavement and the installation of pavement markings is to be done according to the Entrance Widening Paving and Construction Plan.

2. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

EQUIPMENT LIST

CATEGORY CODE	DESCRIPTION	QUANTITY	
801605	Sheet aluminum signs -- span wire mounted to consist of:	15	SF
	R3-5R "RIGHT TURN ONLY" sign, (30" x 36") span wire mounted.	1	EA
	R3-6 "LEFT TURN AND THRU" sign, (30" x 36") span wire mounted.	1	EA
585405	5 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS	90	LF
585407	5 INCH YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS	180	LF
585620	12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	978	LF
585624	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	74	LF
585630	HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS	2	EA

The contact persons for District #3 are as follows:

Mr. Majid Shakib
Assistant District Engineer - Traffic
Phone: (301 513-7358

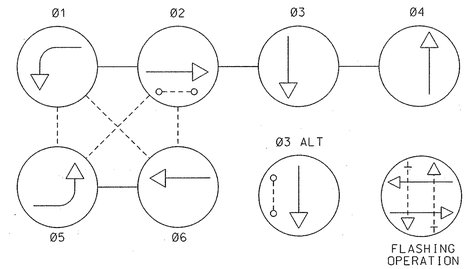
Mr. Randy Brown
Assistant District Engineer - Maintenance
Phone: (301) 513-7304

Mr. Augie Rebish
Assistant District Engineer - Utility
Phone: (301) 513-7350

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

The power company representative is:

NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

MD 355 RUNS IN AN NORTH-SOUTH DIRECTION

SEQUENCE OF OPERATION SHEET

TRAFFIC OPERATIONS SECTION
DIVISION OF TRAFFIC ENGINEERING
MONTGOMERY COUNTY, MARYLAND

INTERSECTION: MD 355 and MD 547 / GEORGETOWN PREP SCHOOL DRIVEWAY

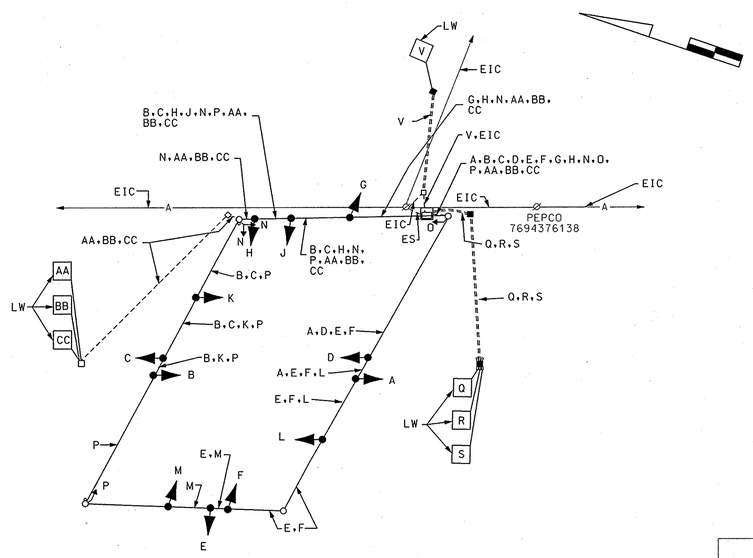
SIGNAL HEAD INDICATIONS						
SIGNAL NO.	3,6,9,12		1,2,4,5	7,8, 10,11		13,14, 15,16
TOTAL:	4		4	4		4
LEGEND						
OPTICALLY LIMITED						
R RED	R		R	R		
Y YELLOW	Y	Y	Y	Y	R	
G GREEN	G		G	G	Y	
◄ ARROW				G	Y	
F FLASHING	12"	12"	12"	12"	12" 8"	9" or 12" X

SEQUENCE OF OPERATION																						
SIGNAL NO.	INTERVAL																					FLASH
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1	G	G	Y	R	R	R	R	R	R	R	R	R	◄G/Y	◄Y/R	R	◄G/Y	◄Y/G	G	R	R	R	FL/Y
2	G	G	Y	R	R	R	R	R	R	R	R	R	◄G/Y	◄Y/R	R	◄G/Y	◄Y/G	G	R	R	R	FL/Y
3	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	R	R	R	FL/Y
4	G	G	Y	R	R	R	R	R	R	R	R	R	◄G/Y	◄Y/R	R	R	R	R	◄G/Y	◄Y/G	G	FL/Y
5	G	G	Y	R	R	R	R	R	R	R	R	R	◄G/Y	◄Y/R	R	R	R	R	◄G/Y	◄Y/G	G	FL/Y
6	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	FL/Y
7	R	R	R	R	R	R	R	R	R	◄G	Y	R	R	R	R	R	R	R	R	R	R	FL/R
8	R	R	R	R	R	R	R	R	R	◄G	Y	R	R	R	R	R	R	R	R	R	R	FL/R
9	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	FL/R
10	R	R	R	R	◄G/Y	◄G/Y	◄G/Y	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	FL/R
11	R	R	R	R	◄G/Y	◄G/Y	◄G/Y	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	FL/R
12	R	R	R	R	◄G/Y	◄G/Y	◄G/Y	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	FL/R
13	WK	F/DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WK	WK	WK	DW	DW	DW	DARK
14	WK	F/DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WK	WK	WK	DW	DW	DW	DARK
15	DW	DW	DW	DW	WK	F/DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
16	DW	DW	DW	DW	WK	F/DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
PHASE	2 & 6			ALL RED	3				ALL RED	4			ALL RED	1 & 5	ALL RED	1 & 6		ALL RED	2 & 5		ALL RED	

NOTES:

SUBMITTED: _____ CHECKED: _____ APPROVED: _____
IN SERVICE BY: _____ DATE: _____ TIME: _____

EXISTING WIRING DIAGRAM



EXISTING WIRING KEY

A B C D E F G H — 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)

J K L M N — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)

O P — 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)

O S V AA BB CC — 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G) ALUMINUM SHIELDED

EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING
LW - LOOP WIRE (NO. 14 A.W.G.)
EIC - EXISTING INTERCONNECT CABLE
ES - EXISTING UNDERGROUND SERVICE TO BE MAINTAINED BY PEPCO

GOROVE/SLADE ASSOCIATES, INC.
1140 CONNECTICUT AVE. NW, SUITE 700
WASHINGTON, DC 20036
PHONE: (202) 296-8625
FAX: (202) 785-1276

APPROVALS
TEAM LEADER
ASST. DIV. MANAGER
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
E 11/2005 WIDEN GEO. PREP DRIVE, MODIFIES PAVEMENT MARKING — CHT
D 6/2005 REPLACE LOOP DETECTION WITH VIDEO CAMERAS — TIMS NO.: 0590 — SHA NO.: AT7245185 — JWA | JAH | DAZ
C 3-15-02 SPLIT SIDE STREETS, REPLACE DETECTION AND SIGNAL HEADS — SHA NO.: — DRZ | MAR | DAZ | BKK

PLOTTED: #DATETIME#
FILE: #FILE#

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 355 (ROCKVILLE PIKE) AND MD 547 (STRATHMORE AVE) / GEORGETOWN PREP
GARRETT PARK, MARYLAND

SCALE 1"= 20' DATE 9-13-78 CONTRACT NO. _____
DESIGNED BY ~~M.V.R.~~ CHT
DRAWN BY ~~W.S.W.~~ CHT
CHECKED BY CHT
F.A.P. NO. _____
COUNTY MONTGOMERY
LOGMILE 15035505.27
TIMS No: H640
DRAWING NO. 4175-E-GI OF
SHEET NO. 2 OF 2