PHASE CHART
MD 28 AND MD 124

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
PHASE 1 & 5	G	G	G	R	R	G	G	G	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6																								
PHASE 1 & 6	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
1 & 6 CHANGE	Y	Y	Y	G	G	R	R	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
PHASE 2 & 5	R	R	R	R	R	G	G	G	G	G	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
2 & 5 CHANGE	R	R	R	R	R	Y	Y	Y	G	G	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
PHASE 2 & 6	R	R	R	G	G	R	R	R	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEAR	R	R	R	G	G	R	R	R	G	G	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 & 6 CHANGE	R	R	R	Y	Y	R	R	R	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3	R	R	R	R	R	R	R	R	R	R	G/G	G/G	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 CHANGE	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	R	R	R	R	R	R	R	R	G/G	G/G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 ALT	R	R	R	R	R	R	R	R	R	R	G/G	G/G	G	R	R	R	DW	DW	DW	DW	DW	WK	WK	DW
PED CLEAR	R	R	R	R	R	R	R	R	R	R	G/G	G/G	G	R	R	R	DW	DW	DW	DW	DW	FL/DW	FL/DW	DW
3 ALT CHANGE	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	R	R	R	R	R	R	R	R	R	G/G	G/G	G	DW	DW	DW	DW	WK	DW	DW	WK
PED CLEAR	R	R	R	R	R	R	R	R	R	R	R	R	R	G/G	G/G	G	DW	DW	DW	DW	FL/DW	DW	DW	FL/DW
4 ALT CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPT	R	R	R	R	R	G	G	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPT CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERTION	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

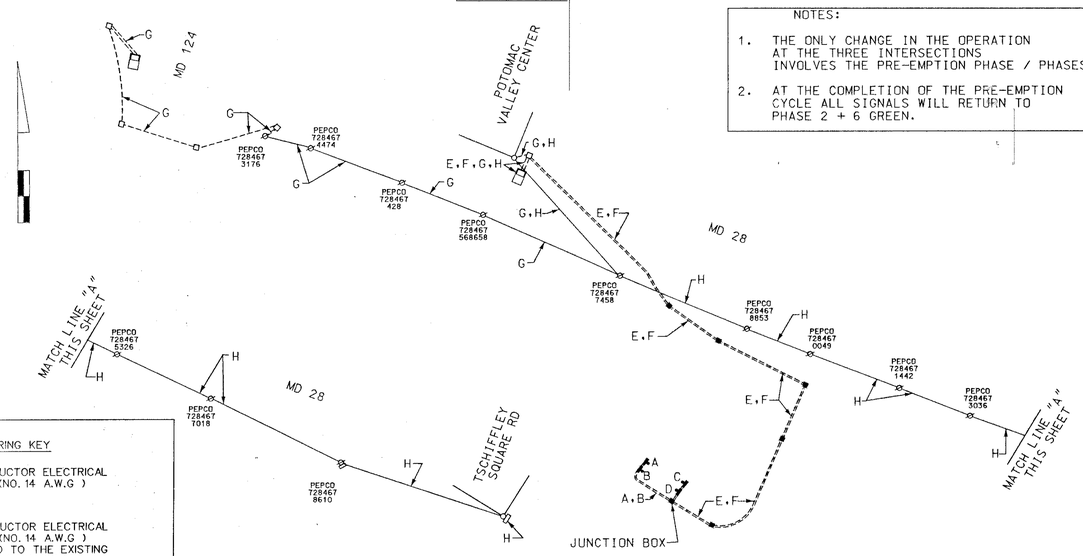
PHASE CHART
MD 28 AND TSCHIFFLEY SQUARE ROAD

	1	2	3	4	5	6	7	8	9	10
PHASE 2 & 6	G	G	G	G	R	R	WK	WK	DW	DW
PED CLEAR	G	G	G	G	R	R	FL/DW	FL/DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	DW	DW	DW	DW
PHASE 4	R	R	R	R	G	G	DW	DW	DW	DW
4 CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	G	G	DW	DW	WK	WK
PED CLEAR	R	R	R	R	G	G	DW	DW	FL/DW	FL/DW
4 ALT CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW
PRE-EMPT 1	G	G	G	G	R	R	DW	DW	DW	DW
PRE-EMPT 1 CHANGE	Y	Y	Y	Y	R	R	DW	DW	DW	DW
PRE-EMPT 2	G	G	R	R	R	R	DW	DW	DW	DW
PRE-EMPT 2 CHANGE	Y	Y	R	R	R	R	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

PHASE CHART
MD 28 AND POTOMAC VALLEY CENTER

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PHASE 1 & 5	G/R	G/R	R	G/R	G/R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6																		
PHASE 1 & 6	G/G	G/G	G	R	R	R	R	R	R	R	DW	DW	WK	WK	DW	DW	DW	DW
1 & 6 CHANGE	Y/G	Y/G	G	R	R	R	R	R	R	R	DW	DW	WK	WK	DW	DW	DW	DW
PHASE 2 & 5	R	R	R	G/G	G/G	G	R	R	R	R	WK	WK	DW	DW	DW	DW	DW	DW
2 & 5 CHANGE	R	R	R	Y/G	Y/G	G	R	R	R	R	WK	WK	DW	DW	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEAR	G	G	G	G	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEAR	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPT	R	R	R	G/G	G/G	G	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPT CHANGE	R	R	R	Y/Y	Y/Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERTION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



NOTES:

1. THE ONLY CHANGE IN THE OPERATION AT THE THREE INTERSECTIONS INVOLVES THE PRE-EMPTION PHASE / PHASES.
2. AT THE COMPLETION OF THE PRE-EMPTION CYCLE ALL SIGNALS WILL RETURN TO PHASE 2 + 6 GREEN.

WIRING KEY

- 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)
- 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G) (LASHED TO THE EXISTING MONTGOMERY COUNTY FIBER OPTIC AND / OR 50-PAIR INTERCONNECT CABLE)

NOTE: SPLICE A + D INTO E AND B + C INTO F IN JUNCTION BOX

STREET TRAFFIC STUDIES, LTD.
Gateway International
1302 Concourse Drive, Suite 104
Linthicum, Maryland 21090
Ph (410) 859-3553
Fax (410) 859-3579

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REVISIONS	APPROVALS
	ASST. CHIEF TEDD SECTION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 28: MD 124 EAST TO TSCHIFFLEY RD

DRAWN BY: ROB CICCHINI	COUNTY: MONTGOMERY	TS NO.	SHEET NO.
CHECK BY: R. R. ZACHERL	LOG MILE:		
DATE: 11-18-99	F.A.P. NO.	T.I.M.S. NO.	3 OF 3
SCALE: NONE	S.H.A. NO.		