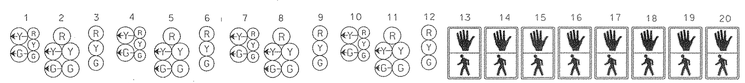
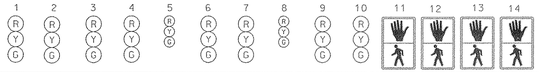
PHASE CHARTS



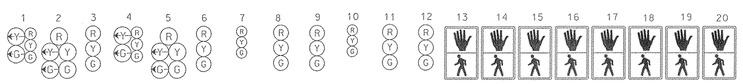
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PHASE 1 + 5	R G	R G	R	R G	R G	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6																			
PHASE 1 + 6	G G	G G	G	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
1 + 6 CHANGE	G Y	G Y	G	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
PHASE 2 + 5	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	G Y	G Y	G	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
PHASE 2 + 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	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	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 + 7	R	R	R	R	R	R	R G	R G	R	R G	R G	R	DW	DW	DW	DW	DW	DW	DW	DW
3 + 7 CHANGE	PHASE 3 + 7 MAY CHANGE TO PHASE 3 + 8, PHASE 4 + 7 OR PHASE 4 + 8																			
PHASE 3 + 8	R	R	R	R	R	R	R	R	R	G G	G G	G	DW	DW	DW	DW	WK	DW	DW	WK
3 + 8 CHANGE	R	R	R	R	R	R	R	R	R	G Y	G Y	G	DW	DW	DW	DW	WK	DW	DW	WK
PHASE 4 + 7	R	R	R	R	R	R	G G	G G	C	R	R	R	DW	DW	DW	DW	DW	WK	WK	DW
4 + 7 CHANGE	R	R	R	R	R	R	G Y	G Y	G	R	R	R	DW	DW	DW	DW	DW	WK	WK	DW
PHASE 4 + 8	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 + 8 CHANGE	R	R	R	R	R	R	Y	Y	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	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	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	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

MD 542 (LOCH RAVEN BLVD) AND TAYLOR AVE/GOUCHER BLVD



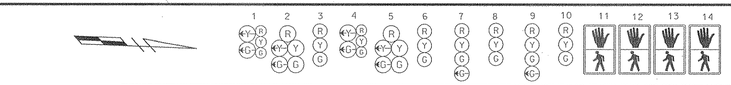
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 2 + 6	G	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW
2 + 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 4 + 8	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW
4 + 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 + 8 ALT	R	R	R	R	G	G	G	G	G	G	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	G	G	G	G	G	G	FL/DW	FL/DW	FL/DW	FL/DW
4 + 8 ALT CHANGE	R	R	R	R	Y	Y	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	FL/R	FL/R	DARK	DARK	DARK	DARK

MD 542 (LOCH RAVEN BLVD) AND GLEN KEITH BLVD



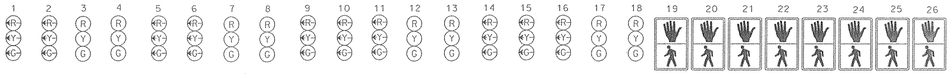
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PHASE 1 + 5	R G	R G	R	R G	R G	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6																			
PHASE 1 + 6	G G	G G	G	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
1 + 6 CHANGE	G Y	G Y	G	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
PHASE 2 + 5	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	G Y	G Y	G	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
PHASE 2 + 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	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	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 + 7	R	R	R	R	R	R	R G	R G	R	R G	R G	R	DW	DW	DW	DW	DW	DW	DW	DW
3 + 7 CHANGE	PHASE 3 + 7 MAY CHANGE TO PHASE 3 + 8, PHASE 4 + 7 OR PHASE 4 + 8																			
PHASE 3 + 8	R	R	R	R	R	R	R	R	R	G G	G G	G	DW	DW	DW	DW	WK	DW	DW	WK
3 + 8 CHANGE	R	R	R	R	R	R	R	R	R	G Y	G Y	G	DW	DW	DW	DW	WK	DW	DW	WK
PHASE 4 + 7	R	R	R	R	R	R	G G	G G	C	R	R	R	DW	DW	DW	DW	DW	WK	WK	DW
4 + 7 CHANGE	R	R	R	R	R	R	G Y	G Y	G	R	R	R	DW	DW	DW	DW	DW	WK	WK	DW
PHASE 4 + 8	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 + 8 CHANGE	R	R	R	R	R	R	Y	Y	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	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	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	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

MD 542 (LOCH RAVEN BLVD) AND PUTTY HILL AVE



	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 + 5	R G	R G	R	R G	R G	R	R	R	R	R	DW	DW	DW	DW
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6													
PHASE 1 + 6	G G	G G	G	R	R	R	R	R	R	R	DW	WK	WK	DW
1 + 6 CHANGE	G Y	G Y	G	R	R	R	R	R	R	R	DW	WK	WK	DW
PHASE 2 + 5	R	R	R	G G	G G	G	R	R	R	R	WK	DW	DW	WK
2 + 5 CHANGE	R	R	R	G Y	G Y	G	R	R	R	R	WK	DW	DW	WK
PHASE 2 + 6	G	G	G	G	G	G	R	R	R	R	WK	WK	WK	WK
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW
2 + 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW
PHASE 3 + 7	R	R	R	R	R	R	R G	R G	R	R G	R G	R	DW	DW
3 + 7 CHANGE	PHASE 3 + 7 MAY CHANGE TO PHASE 3 + 8, PHASE 4 + 7 OR PHASE 4 + 8													
PHASE 3 + 8	R	R	R	R	R	R	R	R	R	G G	G G	G	DW	DW
3 + 8 CHANGE	R	R	R	R	R	R	R	R	R	G Y	G Y	G	DW	DW
PHASE 4 + 7	R	R	R	G G	G G	G	R	R	R	R	R	R	WK	DW
4 + 7 CHANGE	R	R	R	G Y	G Y	G	R	R	R	R	R	R	WK	DW
PHASE 4 + 8	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW
4 + 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
PHASE 4 + 8 ALT	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW
4 + 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

MD 542 (LOCH RAVEN BLVD) AND JOAN AVE/MUSSULA ROAD



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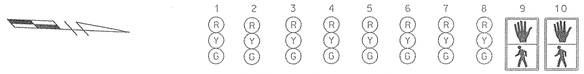
PHASE 1 + 5	G	G	R	R	G	G	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6																									
PHASE 1 + 6	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
1 + 6 CHANGE	Y	Y	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
PHASE 2 + 5	R	R	R	R	G	G	G	G	R	R	R	R	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
2 + 5 CHANGE	R	R	R	R	Y	Y	G	G	R	R	R	R	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
PHASE 2 + 6	G	G	G	G	R	R	G	G	R	R	R	R	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	R	R	R	R	R	R	G	G	R	R	R	R	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 + 6 CHANGE	R	R	R	R	Y	Y	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 + 7	R	R	R	R	R	R	G	G	G	G	G	R	R	G	G	G	R	R	DW	DW	DW	DW	DW	DW	DW	DW
3 + 7 CHANGE	PHASE 3 + 7 MAY CHANGE TO PHASE 3 + 8, PHASE 4 + 7 OR PHASE 4 + 8																									
PHASE 3 + 8	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	WK	DW	DW	WK
3 + 8 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y	G	G	DW	DW	DW	DW	WK	DW	DW	WK
PHASE 4 + 7	R	R	R	R	R	R	R	R	G	G	G	G	G	R	R	R	R	R	DW	DW	DW	DW	DW	WK	WK	DW
4 + 7 CHANGE	R	R	R	R	R	R	R	R	Y	Y	Y	Y	G	R	R	R	R	R	DW	DW	DW	DW	DW	WK	WK	DW
PHASE 4 + 8	R	R	R	R	R	R	R	R	R	R	R	R	G	G	R	R	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 + 8 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	Y	Y	R	R	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 + 8 ALT	R	R	R	R	R	R	R	R	R	R	R	R	G	G	R	R	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	R	R	R	R	R	R	G	G	R	R	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
	R	R	R	R	R	R	R	R	R	R	R	R	Y	Y	R	R	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

MD 542 (LOCH RAVEN BLVD) AND JOPPA ROAD



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

MD 542 (LOCH RAVEN BLVD) AND HILLENDALE/LOCH RAVEN PLAZA SHOPPING CENTER

TSP-13

⚠ REVISE PHASE CHART FOR SPLIT PHASING ON JOAN AVE./MUSSULA RD. ADDENDUM NO.1 MAY 11, 2000

WR&A
Whitman, Requardt and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

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

GENERAL INFORMATION SHEET
MD 542 (LOCH RAVEN BLVD)

DRAWN BY: M.LARSON	F.A.P. NO. SEE TITLE SHEET	TS NO.	SHEET NO.
CHECKED BY: N.LEARY	S.H.A. NO. BA3225183		
SCALE: NONE	COUNTY: BALTIMORE	T.I.M.S. NO. D443	OF
DATE: 5/2/00	LOG MILE:		