F.H. WA REGION	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	U.S.1183(1)	2	9

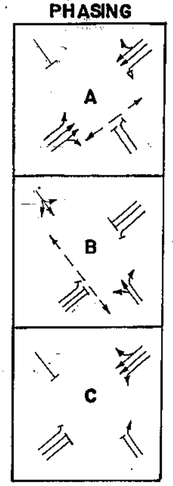
SEQUENCE OF OPERATION

INTERVAL / SIGNAL NO.	1	2	3	4	5	6	7	8	9	10	FLASH
1	G	G	G	Y ①	R	R	R	R	G ~~G~~	G ~~Y~~	Y
2	G	G	G	Y ①	R	R	R	R	G	G	Y
3	G	G	G	Y	R	R	R	R	R	R	Y
4	G	G	G	Y	R	R	R	R	R	R	Y
5	R	R	R	R	G	G	G	Y	R	R	R
6	R	R	R	R	G	G	G	Y ② ~~G~~	R ~~G~~	R ~~Y~~	R
7	R	R	R	R	G	G	G	Y	R	R	R
8	R	R	R	R	G	G	G	Y	R	R	R
9	WF	DWF	DW	DW	DW	DW	DW	DW	DW	DW	—
10	WF	DWF	DW	DW	DW	DW	DW	DW	DW	DW	—
11-12	DW	DW	DW	DW	WF	DWF	DW	DW	DW	DW	—
13	R	R	R	R	G	G	G	Y	R	R	R
PHASE	A				B				C		

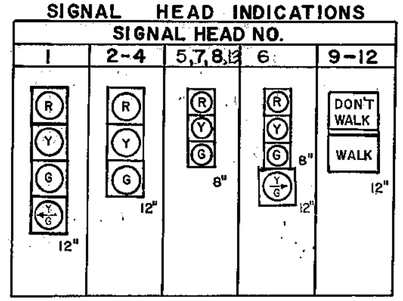
① IF PHASE C IS NEXT 1&2 WILL REMAIN G

② IF PHASE A IS NEXT 6&13 WILL BE Y

PHASING



SIGNAL HEAD INDICATIONS



SIGNING SCHEDULE

Ⓐ R3-7 RIGHT LANE MUST TURN RIGHT

GENERAL NOTES:

1. SIGNAL POLE LOCATIONS ARE SUBJECT TO ADJUSTMENT BY ENGINEER IN FIELD TO OBTAIN PROPER OVERHEAD & UNDERGROUND CLEARANCES.
2. SIGNAL HEADS SHALL BE ALIGNED BY ENGINEER IN FIELD TO OBTAIN PROPER SPACINGS.
3. SIGNAL STRAIN POLES SHALL BE SET BACK A MINIMUM OF 6' FROM FACE OF CURB TO FACE OF POLE. (PER FHWA REQUIREMENTS)
4. REPRESENTATIVES OF AFFECTED UTILITIES ARE TO BE CONTACTED PRIOR TO ACTUAL CONSTRUCTION.

FROM DTH DISP. F ↓ ⊘# ↓ NT ↓ INT # ↓ VAL # ↓ EXIT

STREET/MOVEMENT	Interval	1 MINGRN	2 WALK	3 PEDCLR	4 VEHEXT	5 MAX 1	6 MAX 2	7 YELLOW	8 RED	9 RED REVT	10 ADDED INT	11 MAX INIT	12 PEK	13 TTR	14 MIN GAP	15 MODE
WBL	ø1															0
WB Piney Branch	ø2	25	7	8	25	60	60	4	2	5						17
	ø3															0
SB Dewy	ø4	3	7	12	3	35	35	4	1	5						11
WBL ø1	ø5	3	0	0	3	40	40	3	0	5						01
EB Piney Branch ø3	ø6	25	7	8	25	60	60	4	2	5						17
	ø7															0
NB Carroll	ø8	3	0	0	3	35	60 ~~35~~	4	1	5						01

FROM DTH DISP F ↓ ⊘ ↓ NT ↓ INT # ↓ VAL # ↓ EXIT
PHASE ZERO INTERVALS

CH 42
RU 5

Pec 751 1/18/92

Mode Programming

Setting	Function
00	0. NO PHASE (eliminates phase)
01	1. NONLOCKING (detector)
02	2. LOCK (detector)
03	3. VEH RECALL
04	4. PED RECALL
05	5. PED RECALL & MAX RECALL
06	6. MAX RECALL
07	7. NONACT
IX	FLASHING WALK (X=0-7 above)

NOTES

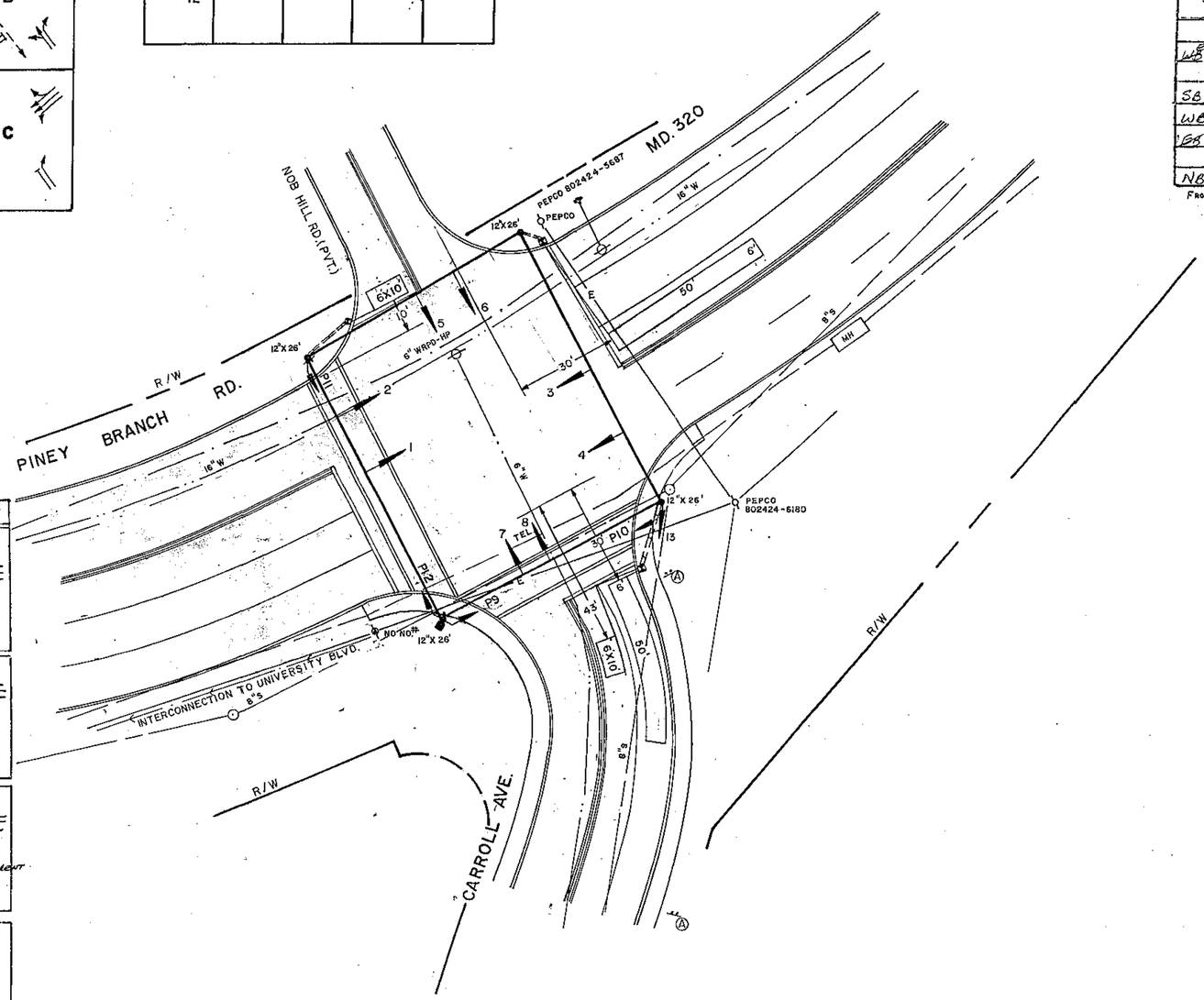
ø9 INT 9 2, 6, 4, 8

NBR CONCURRENT w/ ø5 WBL

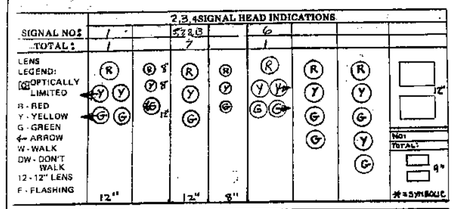
PROGRAM

MASTER: PINEY BRANCH-UNIVERSITY
Remote FLASH: 0030-~~0000~~ 0533 (7DAYS)
BACK-UP ELIMINATED 4/15/88

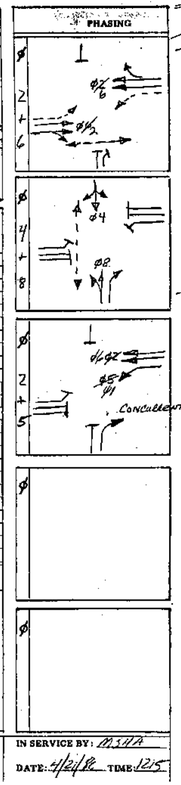
Interval Number	Interval Function	Description	Range	Overlapping or Total Intervals	Entry	Key
0	Pattern sweep	Sets power ON flash period. Zero latter unless function	1-255 seconds	No		10
1	Initial start interval	Selects power ON or initial condition from options below: 0 = Yellow with O'LAP; green or yellow based on O'LAP preference 1 = Green with O'LAP; green 2 = Red with O'LAP; red 3 = Green with O'LAP; green 4 = Yellow with O'LAP; yellow	0-4	No		3
2	External start interval	Selects external start condition from options above	0-4	No		3
3	Initial start phase(s)	Selects power ON or initial start phase(s)	1-8	Yes		2+6
4	External start phase(s)	Selects ex ternal start phase	1-8	Yes		2+6
5	Call-to-actuated/ped phase(s)	Selects phase(s) assigned to call-to-actuated I input	1-8	Yes		[illegible]
6	Call-to-actuated/ped II phase(s)	Selects phase(s) assigned to call-to-actuated II input	1-8	Yes		2+6
7	Guaranteed passage phase(s)	Programs a phase(s) to have the guaranteed passage option	1-8	Yes		—
8	Pedestrian only phase(s)	Programs a phase(s) to have only a pedestrian movement associated with it	1-8	Yes		—
9	Special program/state option	Selects one of programmable special features: 1 = Dual entry 2 = Simultaneous gap termination 3 = Actuated rest in walk 4 = Pedestrian minimum protection	1-4	Yes		1,2



2,3,4 SIGNAL HEAD INDICATIONS



PHASING



SEQUENCE OF OPERATION

SIGNAL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	FLASH
1	G	G	G	Y	R	R	R	R	R	R	G~G	G~G	G~				Y
2	G	G	G	Y	R	R	R	R	R	R	G	G	G				Y
3	G	G	G	Y	R	R	R	R	R	R	R	R	R				Y
4	G	G	G	Y	R	R	R	R	R	R	R	R	R				Y
5	R	R	R	R	G	G	G	Y	R	R	R	R	R				R
6	R	R	R	R	G	G	G	Y	R	R	G~R	Y~R	R~				R
7	R	R	R	R	G	G	G	Y	R	R	R	R	R				R
8	R	R	R	R	G	G	G	Y	R	R	R	R	R				R
9	WF	DWF	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW				—
10	WF	DWF	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW				—
11	DW	DW	DW	DW	DW	WF	DWF	DW	DW	DW	DW	DW	DW				—
12	DW	DW	DW	DW	DW	WF	DWF	DW	DW	DW	DW	DW	DW				—
13	R	R	R	R	R	G	G	G	Y	R	R	R	R				—
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
PHASE:	2+6				ped RED	4+8				ped RED	2+5			ped RED			

NOTES:

SEQUENCE OF OPERATION SHEET
TRAFFIC OPERATIONS SECTION
DIVISION OF TRAFFIC ENGINEERING
MONTGOMERY COUNTY, MD.

SUBMITTED: BC 4/15/86
CHECKED: RCH 4/15/86
APPROVED:

IN SERVICE BY: MSHA
DATE: 4/21/86 TIME: 1215

TS-4284

Revisions			
	Designed by	E.J.C. & G.S.D.	Date 11/14/74
	Drawn by	G.S.D.	Date 11/15/74
	Checked by	WSW RC	Date 7-18-75
	Drawing No.	E-75-086	

Approved by Ray Fisman 7/21/75
Chief, Traffic Operations Section
Approved by Ronald C. Welch 7/23/75
Chief, Division of Traffic Engineering

Division of Traffic Engineering
Department of Transportation
Montgomery County, Maryland

SIGNAL INSTALLATION
SIGNAL NO. 1058
CARROLL AVE. &
PINEY BRANCH RD. (MD. 320)

SIGNAL # 1503200234