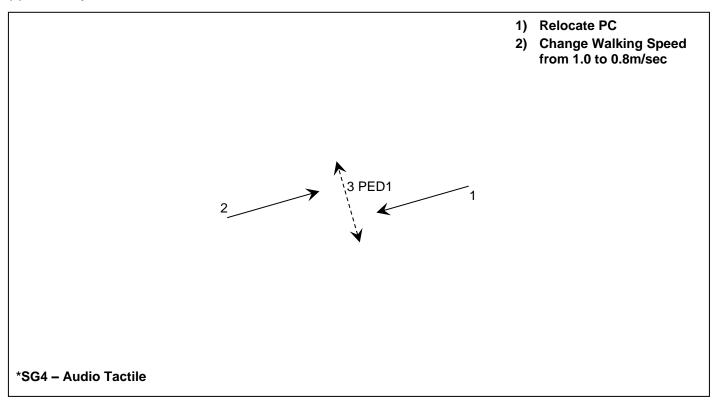
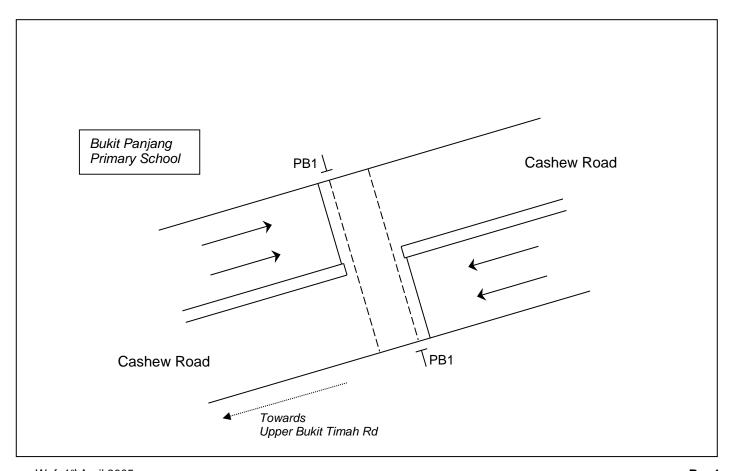
OPERATIONS SHEET

Location: Cashew Rd PC Near Bukit Panjang Pri School Int. No: 14264

Prepared by: Chen Eng Heng Date: 19 / 08 / 2022 Signal ID: 342

Checked by: Clayton Lim
Approved by: Simon Ho





Wef. 1st April 2005 **Pg. 1**

PHASING DIAGRAM

Location: Cashew Rd PC Near Bukit Panjang Pri School Int. No: 14264

Α В 3PED1 (PB1) C 2 D 3PED1 (PB1)

NOTES:-

- IF PHASE CHANGE SWITCH IS EQUAL OR MORE THAN TSM15, CONTROLLER IS TO SEND OUT MSS15 FLAG
- A PHASE IS PLACED ON PERMANENT DEMAND IN ALL MODES.
- PED 1 IS INTRODUCED WHEN PUSH BUTTON <u>PB1</u> IS ACTIVATED
- IN POLICE CONTROL MODE, RUN A AND B PHASE ONLY.
- IN MASTERLINK MODE, IF Y- FLAG IS ON PED 1 IS AUTO CALLED.
- IN FLEXILINK MODE, IF Y+ FLAG IS ON PED 1 IS AUTO CALLED.
- DURING PED1'S WALK, CLEAR PUSH BUTTON 14'S DEMAND.
- SG4 AUDIO TACTILE IS CONTROLLED BY Z+ FLAG

DETECTOR FUNCTION

Location: Cashew Rd PC Near Bukit Panjang Pri School Int. No: 14264

								ETECTO ALARMS		
Į				SE			SII	병		
DETECTOR /PUSH BUTTON NO	CALL PHASE	POCKING	NON LOCKING	SET VIG ON PHASE	EXTEND PHASE	SPECIAL	CALL & EXTEND	CALL ONLY	DISABLE	PLAN REFERENCE
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15						PHASE CHANGE SWITCH			✓	
16						POLICE CONTROL SWITCH			✓	
PB1	B, D	✓				PUSH BUTTON PED1		✓		
PB2										
PB3										
PB4										
PB5										
PB6										
PB7										
PB8										

TICK IF DETECTOR FAILURE CAUSES AN ALARM ON DET. 16.

INTERGREEN, PEDESTRIAN TIMES AND SPECIAL FUNCTIONS

Location: Cashew Rd PC Near Bukit Panjang Pri School Int. No: 14264

PHASE	CLEARANCE	CLEARANCE	INTERGREEN			
PHASE	MOVEMENT	DISTANCE	AMBER	RED	TOTAL	
Α			3	3	6	
В			3		3	
С			3	3	6	
D			3		3	
Е						
F						
G						

PED	PHASE	WA	LK	CLEARAN	CE TIME
NO.	PHASE	DISTANCE (m)	GREEN TIME	1	2
1	B/D	15m	6	19	
2					
3					
4					
5					
6					
7					

Pedestrian Walking Speed: ____ m/s

SPECIAL FACILITIES

SIGNAL GROUP	HOUR	MINUTE	SECOND	FUNCTION	REMARKS
SG 4	21	0	0	Audio Tactile Off	Controlled by Z+
3G 4	6	30	0	Audio Tactile On	Flag

PRE-EMPTION

SIGNAL GROUP	PHASE	FUNCTION	REMARKS		

CONTROLLER TIMESETTING

Location: Cashew Rd PC Near Bukit Panjang Pri School Int. No: 14264

	PHASE	Α	В	С	D	
	INTERVAL	1	2	3	4	<u>Range</u>
RED/YELLOW	1					0 – 5
LATE START	2					0 – 20
MINIMUM GREEN	3	10	6	14	6	5 – 20
INCREMENT	4					0 – 5
MAX. V. I. G.	5					0 - 40
MAX. EXT. GREEN	6	32		0		0 – 150
EARLY CUT-OFF	7					0 - 20
AMBER	8	3	3	3	3	3 - 7
ALL RED	9	3		3		0 – 15
SPECIAL ALL RED	10					0 – 15
GAP 1	11					0 –10
GAP 2	12					0 –10
GAP 3	13					0 –10
GAP 4	14					0 –10
HEADWAY 1	15					0 – 5
HEADWAY 2	16					0 – 5
HEADWAY 3	17					0 – 5
HEADWAY 4	18					0 – 5
WASTE 1	19					0 - 50
WASTE 2	20					0 - 50
WASTE 3	21					0 - 50
WASTE 4	22					0 - 50
MAXIMUM 1	23					0 – 150
MAXIMUM 2	24					0 – 150
MAXIMUM 3	25					0 – 150
MAXIMUM 4	26					0 – 150

ALTERNATE TIME SETTING (RANGE 0-200) ('B' ENTER)

ALT. NO	TIME
11	22
12	
13	
14	
15	50 sec
16	

Maximum V. A. Cycle Time: _____

 \checkmark

In Flexilink Operation,

If Z- flag = C (255), A phase's Max Extension Green = TSM 11

In Isolated Operation,

A phase = Max. Ext. Green

	PEDESTRIAN NO.	1	2
	INTERVAL	17	18
DELAY	1		
WALK	2	6	
CLEARANCE 1	3	19	
CLEARANCE 2	4		
P	7		

CO-ORDINATION DATA

Location: Cashew Rd PC Near Bukit Panjang Pri School Int. No: 14264

SPECIAL FUNCTIONS

SIGNAL	FUNCTION				
Y- FLEXI	CONTINUOUS				
Y- MASTER	AUTO CALL PUSH BUTTON PED 1				
Y+ FLEXI	AUTO CALL FUSH BUTTON FED T				
Z- FLEXI	A PHASE ALTERNATE MAXIMUM EXTENSION GREEN (TSM11)				
Z- MASTER					
Z+ FLEXI	SET SG4 AUDIO TACTILE ON				
Z+ MASTER	GET GOT AUDIO TACTILE ON				
R- FLEXI					
R+ FLEXI					
Q- FLEXI					
Q+ FLEXI					
Z1 MASTER					
Z MASTER					
Z MASTER					
Z MASTER					

LOOK AHEADS AND RELEASES

	Phase Sequence	1	Phase Sequence 2				
PHASE	LOOK AHEAD	RELEASE	PHASE	LOOK AHEAD	RELEASE		
Α	NO		Α	NO			
В	NO	Auto	В				
С	NO		С				
D	Yes to A	Auto	D				
Е			Е				
F			F				
G			G				

The following phases can be inhibited in Flexilink by omitting the call pulses in the plan data _____

NO		PHASE SEQUENCE
1 (No)	ABCD
2 ()	

GLIDE INTERSECTION DATA

Location: Cashew Rd PC Near Bukit Panjang Pri School Int. No: 14264

Note: The data shown on this page should be entered when the intersection is first placed on line. This data is not necessarily used for Master Link operation.

SLOT 19 = 4, 1, 1	1	E.	g. x, y, z	. x = No of F	hases y = N	lo of S	Split Plans z =	No of PEDs
INT = 14264								
VC = 5		Date:				Date:		
CS =		PP1 =	0, 0 ^A			PP1 :	=	
COM = Port 3 / 2		PP2 =	0, 0 ^A			PP2	=	
PK =		PP3 =	0, 0 ^A			PP3 :	=	
S# = 2		PP4 =	0, 0 ^A			PP4 :	=	
LM = F	No	ote: Alwa	ays LM =	F initially				
RMN =								
DCL =				<u>Va</u>	riation Pa	aram	eter (VP)	
VOLS =		VP1 =		VP8 =	VP15 =		VP22 =	VP29 =
VP# =		VP2 =		VP9 =	VP16 =		VP23 =	VP30 =
AT = 6		VP3 =		VP10 =	VP17 =		VP24 =	VP31 =
BT = 3		VP4 =		VP11 =	VP18 =		VP25 =	VP32 =
CT = 6		VP5 =		VP12 =	VP19 =		VP26 =	VP33 =
DT = 3		VP6 =		VP13 =	VP20 =		VP27 =	VP34 =
ET =		VP7 =		VP14 =	VP21 =		VP28 =	VP35 =
FT =								·
GT =								
W1 = 0			W4 =					
W1T = 22	P-	-)	W4T =			P-	P+	
W2 =			W5 =				<u> </u>	
W2T =	P-	- P+	W5T	W5T =			P+	
W3 =			W6 =	W6 =				
W3T =	P-	- P+	W6T	=		P-	P+	
	•			SPLIT PLAN	NS	•	<u>. </u>	

		1	2	3	4		5	6	7	8
	SF FEATURES					SF FEATURES				
Α	PD FG NG B	< 0 >B								
В	FS C	28# C								
С	PD FG NG D	20# D								
D	А	28# A								
Е										
F										
G										

PLAN DATA

Location: Cashew Rd PC Near Bukit Panjang Pri School Int. No: 14264

PLAN

('E' ENTER)

<u> </u>										
	1	2	3	4	5	6	7	8	9	10
CL										
Α										
В										
С										
D										
E										
F										
G										
R-										
R+										
Υ-	С	С		С	С	С	С			
Y+										
Z-	N	N		N	С	N	N			
Z+	С	С		С	N	N	С			
Q-										
Q+										
XSF (9-16)*										
XSF (1-8)*										
	CL A B C D E F G R- R+ Y- Y+ Z- Z+ Q- Q+ XSF (9-16)*	CL A B C D D E F G R- R+ Y- C Y+ Z- N Z+ C Q- Q+ XSF (9-16)*	CL A B C C D C D C C C C D C C C C C C C C C	CL 1 2 3 CL A A A B B B B C C C C D D D D E F F F G G G G R- R+ C C Y+ C C C Y+ C C C Q- Q- Q- Q- XSF (9-16)* C C C	CL 4 A	CL 1 2 3 4 5 CL A <th>CL 1 2 3 4 5 6 CL A<th>CL 1 2 3 4 5 6 7 CL A<th>CL 1 2 3 4 5 6 7 8 CL A<th>CL 1 2 3 4 5 6 7 8 9 CL A</th></th></th></th>	CL 1 2 3 4 5 6 CL A <th>CL 1 2 3 4 5 6 7 CL A<th>CL 1 2 3 4 5 6 7 8 CL A<th>CL 1 2 3 4 5 6 7 8 9 CL A</th></th></th>	CL 1 2 3 4 5 6 7 CL A <th>CL 1 2 3 4 5 6 7 8 CL A<th>CL 1 2 3 4 5 6 7 8 9 CL A</th></th>	CL 1 2 3 4 5 6 7 8 CL A <th>CL 1 2 3 4 5 6 7 8 9 CL A</th>	CL 1 2 3 4 5 6 7 8 9 CL A

^{*} A digit hexadecimal number which signifies which XSF bits are used; e.g. AO signifies bits 14 & 16 are set.

NOTE:

C = Continuous (255)

N = Not Used (254)

		`	,		`	,
('F' ENTER	3)			<u>PLAN</u>	SCHE	DULE
,	CODE	HOUR	MINUTE	PLAN		CODE
	8	0	0	5		7
	8	6	30	1		7
	8	9	0	7		7
	8	12	0	2		7
	8	17	0	4		1
	8	21	0	6		1
	8	23	0	5		1
	7	0	0	5		1
	7	6	30	1		1
	7	9	0	7		1

CODE	HOUR	MINUTE	PLAN
7	12	0	4
7	15	0	2
7	21	0	6
7	23	0	5
1	0	0	5
1	6	30	7
1	9	0	7
1	14	0	2
1	21	0	6
1	23	0	5

Pedestrian and Vehicle Signal Groups Interlock Table

Location: Cashew Rd PC Near Bukit Panjang Pri School Int. No: 14264

	Phase A	Phase B	Phase C	Phase D	Phase E	Phase F	Phase G
SG 1	SGAR	RED	SGAR	RED			
SG 2	SGAR	RED	SGAR	RED			
SG 3	DON'T	WALK	DON'T	WALK			
SG 4		AUDIO 1	TACTILE				
SG 5							
SG 6							
SG 7							
SG 8							
SG 9							
SG 10							
SG 11							
SG 12							
SG 13							
SG 14							
SG 15							
SG 16							

Legend:

GAR Green, Amber, Red

GEAR Green, Amber, Red (With ECO)

RED Red

SGRN Special Green SOFF Special Off

WALK PED Walk, Clearance 1 and Clearance 2

SWALK Special PED Walk, Clearance 1 and Clearance 2

DON'T PED Red

Signal Groups Conflict Matrix

Location: Cashew Rd PC Near Bukit Panjang Pri School Int. No: 14264

('C16' ENTER)

SG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1			Х													
2			Х													
3	Х	Х														
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																