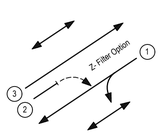
TCS 3037

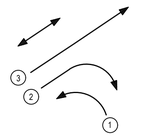
DRAWN BY CADD
DO NOT AMEND MANUALLY

DATE IN SERVICE : 06/03/19

NSW GOVERNMENT | Transport Roads & Maritime Services

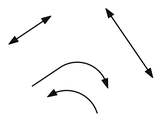


A PHASE



B & E PHASE

Z+ Introduces E Phase



C PHASE



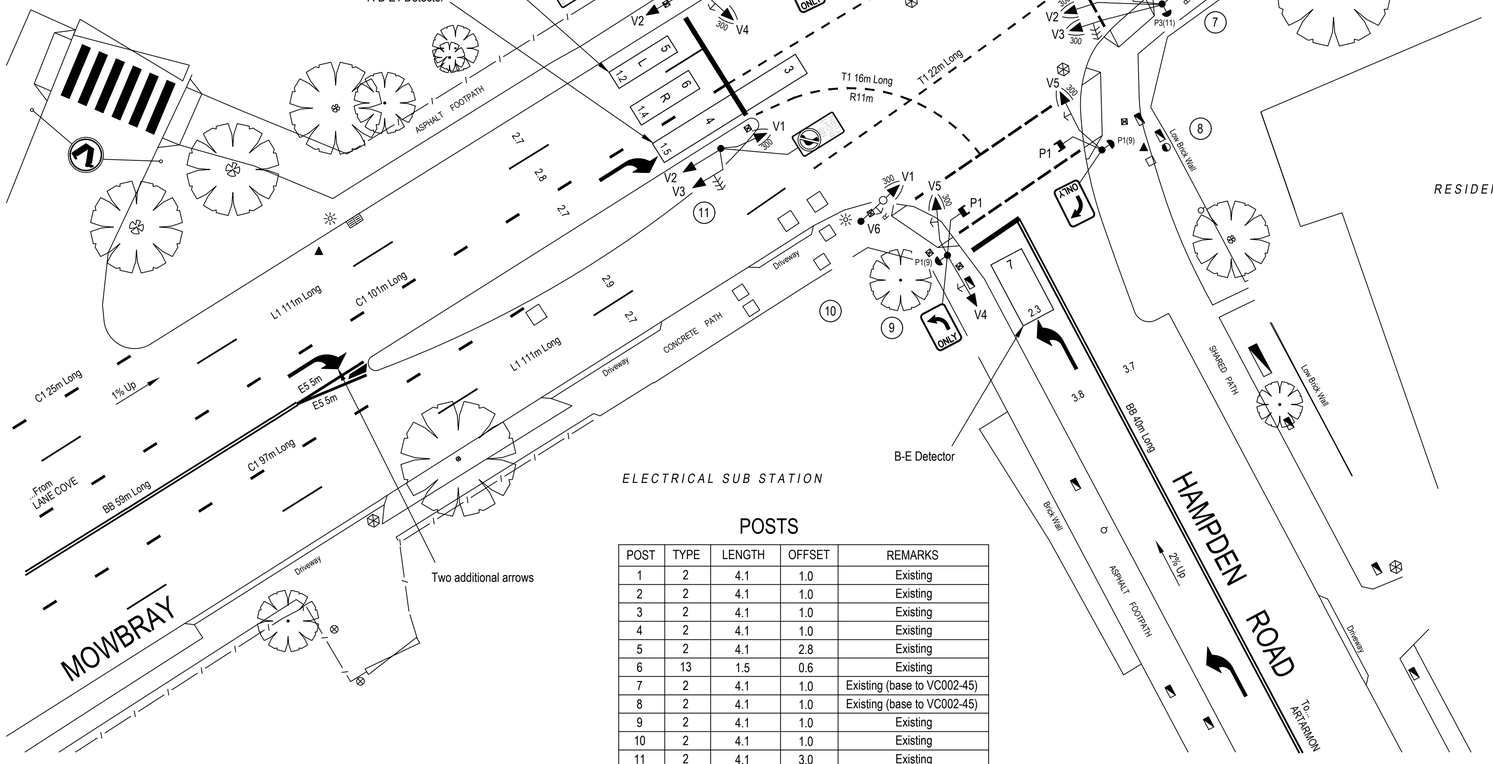
D PHASE

XSF3 Introduces D Phase

MOVEMENTS

NOTES

1. This site is SCATS linked.
2. Special STOP sign (R1-4) placed on posts 3 & 9.
3. Audio-tactile push buttons provided on posts 2, 3, 4, 7, 8 & 9.
4. Kerb ramps constructed at all pedestrian crossings in accordance with RMS Standard (Road) Drawing R0300-11.
5. Shared Path is to be delineated and signposted in accordance with Australian Standard AS1742.9 and Austroads guides.
6. CCTV Camera mounted on post 1.
7. Provision made in ducting, cabling and post positions for future pedestrian facility over the western leg of Mowbray Rd.
8. Trees on the approaches of the intersection are to be regularly inspected and trimmed by Council to minimise lantern obstruction.
9. Temporary signals for Metro Construction.
10. Existing lane widths have been utilised on Mowbray Road west of Hampden Rd.
11. Roadworks are in accordance with Cardno Construction Drawing DS2000/000000.



POSTS

POST	TYPE	LENGTH	OFFSET	REMARKS
1	2	4.1	1.0	Existing
2	2	4.1	1.0	Existing
3	2	4.1	1.0	Existing
4	2	4.1	1.0	Existing
5	2	4.1	2.8	Existing
6	13	1.5	0.6	Existing
7	2	4.1	1.0	Existing (base to VC002-45)
8	2	4.1	1.0	Existing (base to VC002-45)
9	2	4.1	1.0	Existing
10	2	4.1	1.0	Existing
11	2	4.1	3.0	Existing
12	2	4.1	1.0	Existing

SIGNAL GROUP PHASE CHART

SIGNAL GROUP	PHASE WHEN GREEN A	B	C	D	E	TABLE TYPE	REMARKS
V1	X					1	
V2	X	X			X	3	
V3		X	X		X	39	Timed RA protection for 'P1' Pedestrians.
V4		X	C		X	-	RED in 'C' Phase in presence of XSF4.
V5				X		1	
V6						30	Timed RA protection for 'P1' Pedestrians.
P1	X			X		22	No overlap A->D. XSF 2 allows Auto Introduction.
P2	X	X	X		X	28	XSF1 allows Auto Introduction. Walk for Green.
P3			X			1	

DETECTOR SPECIFICATION

Detector		Specifications			
A	FN	A(L)	A(E1)		
	SG/PS	$\overline{A}$	A		
	DS	—	—		
A-B-E2	FN	A(L)	A(E3)		
	SG/PS	$\overline{V2}$	A		
	DS	$\overline{B.E}$	$\overline{B(NEXT).E(NEXT)}$		
Cont A-B-E2	FN	B(E3)	E(E3)		
	SG/PS	B	E		
	DS	$\overline{A(NEXT).E(NEXT)}$	$\overline{A(NEXT).B(NEXT)}$		
A-B-E1 Depart. & Approach	FN	B(PR)	E(PR)		
	SG/PS	A	A		
	DS	Z-	Z-.Z+		
A-B-E1	FN	A(L).B(L)	E(L)	B(L)	E(L) B(CL)
	SG/PS	$\overline{V2}.C$	$\overline{V2.C}$	$\overline{V3}$	$\overline{V3}$ C
	DS	Z-	Z-.Z+	$\overline{Z-}$	$\overline{Z-}$.Z+ A-B-E1(NG)
Cont A-B-E1	FN	E(CL)	A(E2)		
	SG/PS	C	A		
	DS	A-B-E1(NG).Z+	Z-.$\overline{A}$-B-C-$\overline{E(PR).B(NEXT).C(NEXT).E(NEXT)}$		
Cont A-B-E1	FN	B(E2)	E(E2)		
	SG/PS	B	E		
	DS	$\overline{C(NEXT).E(NEXT)}$	$\overline{B(NEXT).C(NEXT)}$		
B-E	FN	B(L)	E(L)	B(E1)	
	SG/PS	$\overline{V4}$	$\overline{V4}$	B	
	DS	—	Z+	$\overline{[C(NEXT)+XSF4].E(NEXT)}$	
B-E	FN	B(CL)	E(E1)		
	SG/PS	C	E		
	DS	B-E(NG)	$\overline{B(NEXT)}.\overline{[C(NEXT).XSF4]}$		
D	FN	D(L)	D(E1)		
	SG/PS	$\overline{D}$	D		
	DS	XSF3	XSF3		
P1 P.B.	FN	A(PB)	B(L)		
	SG/PS	$\overline{A.P1(WALK)}$	$\overline{A.P1(WALK)}$		
	DS	$\overline{D}$	$\overline{B.C.D.E}$		
P2 P.B.	FN	A(PB)	Walk for Green		
	SG/PS	$\overline{P2(WALK)}$	XSF1 - Auto Introduction		
	DS	$\overline{B.C.E}$			
P3 P.B.	FN	C(PB)	A(L)		
	SG/PS	$\overline{P3(WALK)}$	$\overline{C.P3(WALK)}$		
	DS	—	$\overline{A.B.D.E}$		

A ORIGINAL ISSUE

PUBLIC UTILITY LEGEND		REFERENCE PLANS	
HYDRANT	□	SYMBOLS/ABRVS	VD003-6
STOP VALVE	▲	STD POSN CMPT	VD001-5
GAS VALVE	#	INSTL STOP DET	VC005-17
SEWER MANHOLE	⊗	VEH GROUP OP	TS-TN-019
COMMS PIT	◪	DET LOGIC OP	TS-TN-020
ELECT LIGHT POLE	○	PED MVT OP	TS-TN-021
POWER POLE	○		
STAY POLE	⊘		
TELEPHONE BOX	☎	SURVEYOR : BG&E	
COMMS PILLAR	◪	DATE : 2017	

U.B.D. Ref. Map 195 J13
I.S.G. CO-ORDS E : 316 630 N : 1 258 015

DESIGNED : R BATES
CHECKED : J BATES
J BATES
SITE CHECKED
J BATES
RECOMMENDED

DESIGN APPROVAL
APPROVED
NAME
POSITION MANAGER
DATE 28/05/21
DESIGN PREPARED BY
B-Line Drafting on behalf of Cardno

RMS RECOMMENDATION
ROAD DESIGN ENGINEERING
NAME
POSITION
DATE
NETWORK OPERATIONS
NAME
POSITION
DATE

RMS ACCEPTANCE
ACCEPTED
NAME
POSITION
DATE
ACCEPTED BY
SECTION

ROADS AND MARITIME SERVICES

WILLOUGHBY COUNCIL AREA
TEMPORARY TRAFFIC SIGNALS AT
MOWBRAY ROAD AND
HAMPDEN ROAD
CHATSWOOD

DESIGN LAYOUT

EXISTING □ PROPOSED ☒
CADD FILE: VV3037_XA.dgn
SCALE 5 0 (1:200) 5 10
ISSUE A
FILE SF2014/012507
SUPERSEDES SHEET/ISSUE 2/B
REG No. DS2014/003426
TCS No. 3037
SHEET X

Revision 6 - July 2017

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