

**ITEM 5.           ITEM FOR COMMITTEE INFORMATION – SIGNAL UPGRADE –  
                      GEORGE AND BOURKE STREETS WATERLOO**

**TRIM RECORD NO:   2016/312413**

**RECOMMENDATION**

It is recommended that the Committee note the installation of a signal controlled pedestrian crossing on the eastern arm of the intersection of George and Bourke Streets in Waterloo.

**DECISION**

**BACKGROUND**

The adoption of the City's Cycle Strategy and Action Plan in 2007 includes a proposal to provide a cycle link across Bourke Street at George Street, Waterloo with the incorporation of a new pedestrian arm on the eastern side of the intersection.

**COMMENTS**

In May 2016, the Committee endorsed the provision of a shared path on Bourke Street as part of improved connections to the Bourke Street cycleway. As part of this project, the City identified that improvements to cycle and pedestrian connections are required across Bourke Street at the intersection of George Street, Waterloo.

A new signal controlled pedestrian crossing is proposed on the eastern side of the intersection of George and Bourke Streets. This will improve safety at the intersection and allow pedestrians and cyclists to cross Bourke Street from both sides of George Street.

The new crossing provides for improved pedestrian and cyclist links across Bourke Street and does not affect traffic flow.

Roads and Maritime Services have approved the proposed Traffic Control Plan for the intersection.

**CONSULTATION**

The City consulted local residents and businesses in the area. There were 120 letters sent out with no responses supporting or opposing the proposal.

**FINANCIAL**

Funds will be provided as part of the City Projects Cycle Strategy and Action Plan budget.

**ATTACHMENTS**

Item for Committee Information – Signal Upgrade – George and Bourke Street Waterloo

Anton Leddin, Project Manager Streetscapes

DRAWN BY CADDO  
DO NOT AMEND MANUALLY

DETECTOR SPECIFICATION SCHEDULE

DETECTOR	PHASE	TYPE	LOCATION	REMARKS
P1	A	ASB	...	...
P2	B	ASB	...	...
P3	C	ASB	...	...
P4	D	ASB	...	...
P5	A	ASB	...	...
P6	B	ASB	...	...
P7	C	ASB	...	...
P8	D	ASB	...	...
P9	A	ASB	...	...
P10	B	ASB	...	...
P11	C	ASB	...	...
P12	D	ASB	...	...

DETECTOR SPECIFICATION SCHEDULE

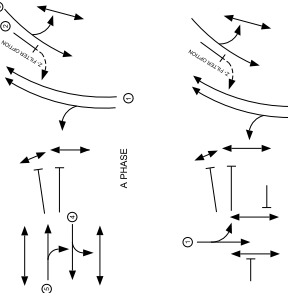
DETECTOR	PHASE	TYPE	LOCATION	REMARKS
P1	A	ASB	...	...
P2	B	ASB	...	...
P3	C	ASB	...	...
P4	D	ASB	...	...
P5	A	ASB	...	...
P6	B	ASB	...	...
P7	C	ASB	...	...
P8	D	ASB	...	...
P9	A	ASB	...	...
P10	B	ASB	...	...
P11	C	ASB	...	...
P12	D	ASB	...	...

SIGNAL GROUP/PHASE CHART

SIGNAL GROUP	PHASES WHEN GREEN	STANDARD TABLE	REMARKS
V1	X X X X	3	
V2	X X X X	3	
V3	X X X X	41	Threat RA, provision for 'P' pedestrian, 2-Flar Option
V4	X X X X	1	
V5	X X X X	1	Full Overlay with Lane Start, Resin in C/P demand and XSF 14
V6	X X X X	54	Full Overlay with Lane Start, Resin in C/P demand and XSF 14
V7	X X X X	-	LOD B.C → D
V8	X X X X	-	LOD B.C → D
V9	X X X X	29	Threat RA, provision for 'P' pedestrian
V10	X X X X	-	LS in D from B.C following V7 LCO
P1	X X X X	6	
P2	X X X X	6	
P3	X X X X	1	Automatic introduction of 'P' pedestrian subject to presence of XSF 10
P4	X X X X	1	Automatic introduction of 'P' pedestrian subject to presence of XSF 11
P5	X X X X	25	Intro in C/P XSF 14 set
P6	X X X X	6	Automatic introduction of 'P' pedestrian subject to presence of XSF 12
P7	X X X X	6	Automatic introduction of 'P' pedestrian subject to presence of XSF 13
P8	X X X X	-	Introductions with V10 (Lane start from B. C.)
P9	X X X X	-	Introductions with V10 (Lane start from B. C.)

POST CHART

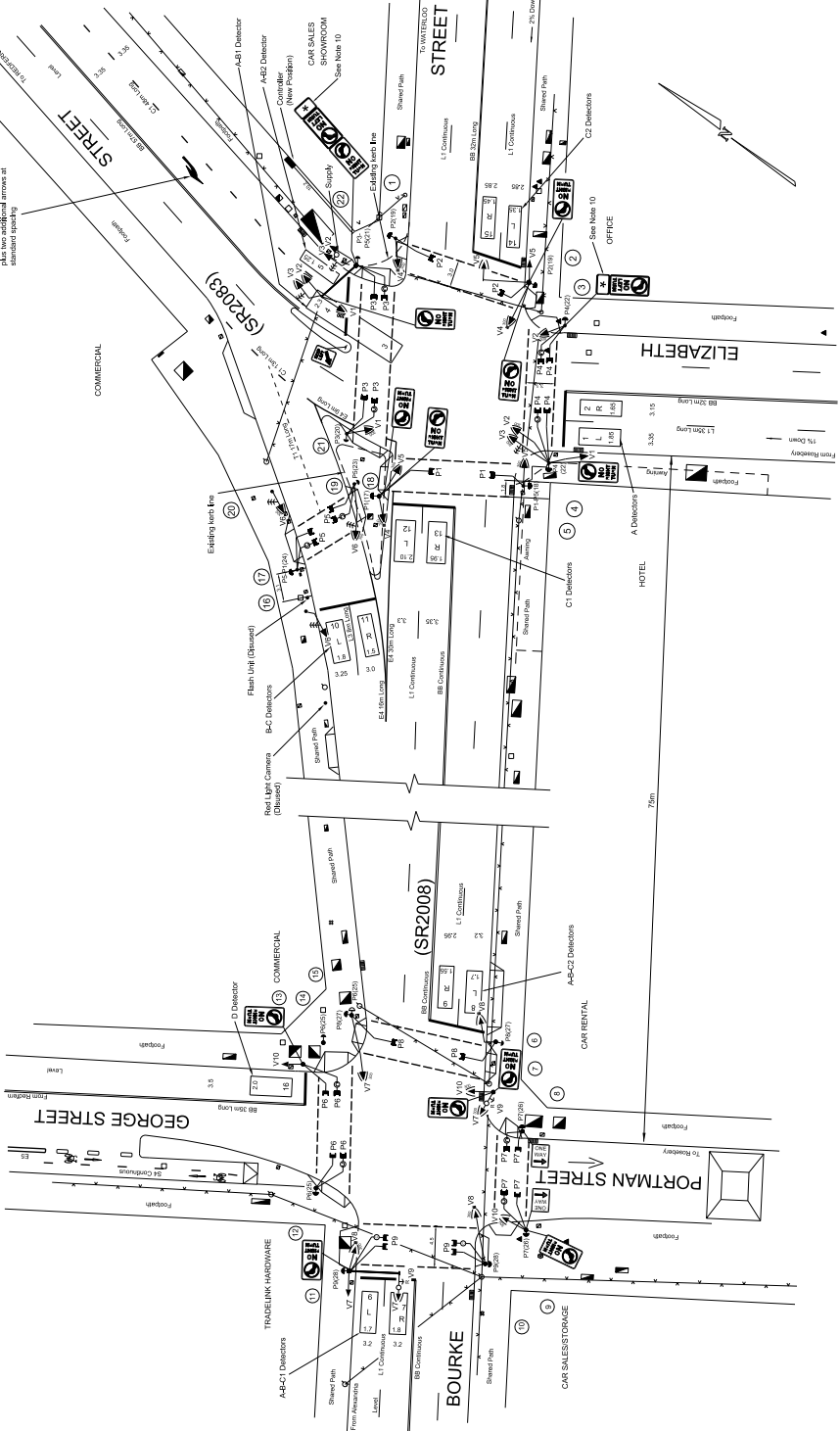
POST	TYPE	LENGTH	OFFSET	REMARKS	COORDINATES
1	2	4.1	10	STARTING	X
2	5L	0.5		STARTING	Y
3	2	4.1	0.75	STARTING	
4	2	4.1	1.3	STARTING	
5	2	4.6	1.9	STARTING	
6	2	4.1	1.9	NEW	334 006 857
7	2	4.1	0.68	STARTING	
8	2	4.1	0.68	STARTING	
9	2	4.1	0.68	STARTING	
10	2	4.1	0.68	STARTING	
11	9	-	0.7	STARTING, SIGN OUTREACH	
12	2	4.1	0.68	STARTING	
13	2	4.1	0.7	STARTING	
14	13	15.5	1.7	STARTING	
15	2	4.1	0.68	STARTING	
16	2	4.1	1.9	NEW	334 006 296
17	2	4.1	1.9	STARTING	
18	2	4.1	1.9	NEW	334 006 555
19	2	4.1	1.9	NEW	334 006 807
20	2	4.1	0.68	STARTING	
21	2	4.1	0.68	NEW	334 006 275
22	9	-	1.5	NEW, SIGN OUTREACH	335 514 428



MOVEMENTS

- This site is SCATS linked.
- Special STOP sign (R1-4) is located on post 4, 13 & ESP on southbound approach along Elizabeth Street.
- Audio-visual push buttons are provided on posts 1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 14, 15, 17, 18, 19, 21 & 22. The audio-visual driver unit for the pushbutton on post 14 is mounted on post 13.
- 'X'8 lanterns on posts 6, 10 & 11 to be angled down with horizontal lanterns placed in 'Green' displays to reduce the visibility of the 'X'8 lanterns in 'Green' displays.
- 'X'4 lanterns on posts 1, 2, 3, & 13 to be angled down with horizontal lanterns placed in 'Green' displays to reduce the visibility of the 'X'4 lanterns in 'Green' displays.
- The presence of XSF15 in the link and Masterlink automatically demands C Phase.
- New both ramps to be constructed in accordance with RMS Model Drawing MD-R173, B01-A.1.
- ESL lanterns on post 17 to be angled to minimise visibility from Post 5. P1 Lantern on Post 5 to be aimed to minimise visibility from Post 17.
- For road work details refer to Spackman Masco Mechanical drawing C115.
- Supplementary plate R0425 'VEHICLES UNDER 9.0m EXCEPTED'.

One corner of vehicle face shall be plus two additional arms at maximum spacing.



ROADS AND MARITIME SERVICES  
SYDNEY COUNCIL AREA  
TRAFFIC SIGNALS AT  
ELIZABETH (SR2008) STREET, BOURKE  
(SR2009) STREET AND GEORGE STREET  
WATERLOO  
DESIGN LAYOUT

EXISTING:  PROPOSED:

CADD FILE: W0150\_21A.dwg  
SCALE: 1:1000  
FILE: SF2013/001785  
TCS No. 0150  
DATE: 27/09/22

DESIGN APPROVAL: RMS ACCEPTANCE  
RECOMMENDED: APPROVED  
DESIGNER: BITZIOS  
CHECKED: BITZIOS  
DATE: 27/09/22

TCS 0150