

ROAD DESIGN PRESENTATION STANDARDS

DP011 TRAFFIC SIGNALS

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DEPARTMENT OF
PLANNING, TRANSPORT
AND INFRASTRUCTURE



Government of South Australia
Department of Planning,
Transport and Infrastructure

Document Amendment Record

Rev	Change Description	Date	Author	Checked	Authorised
1	Initial Issue	23 December 2011	Natasha Stone Alison Freer	Jeremy Champion	Noel O'Callaghan
2	Signal pole numbers relocated, pole schedule relocated to Conduit drawing	17 July 2012	Natasha Stone Alison Freer	Greg Gurner	Noel O'Callaghan
3	Scale of example drawing changed from 300 to 200	13 September 2012	Natasha Stone Alison Freer	Greg Gurner	Noel O'Callaghan
4	Radius removed from pedestrian cutouts	15 February 2013	Natasha Stone	Greg Gurner	Noel O'Callaghan

Document Management

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To be read in conjunction with CAD Manual & Presentation Guidelines DP001 (Master Specification PC-EDM7)

DP011 TRAFFIC SIGNALS

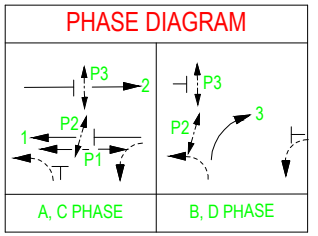
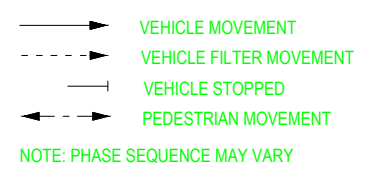
1 Purpose

- 1.1 The 'Traffic Signals' drawing is used to show details of the traffic signal design & approved traffic control devices at signalised locations.
- 1.2 For examples of this standard see attached drawings.

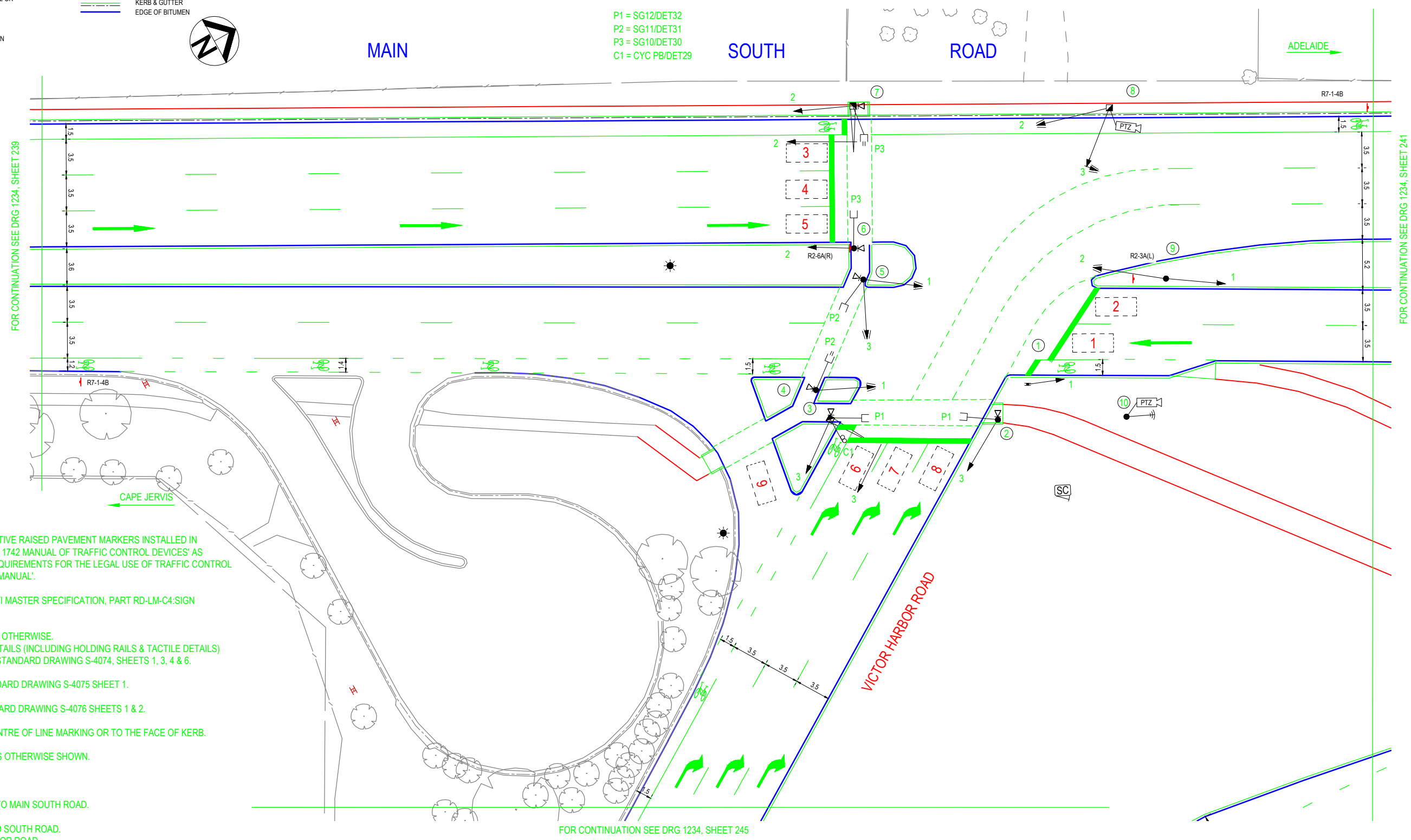
Content

- 1.3 Layers to be shown as per the DPTI Layer Matrix (DP001)
- 1.4 The following CAD entities are required:
 - a) All information in DP001 – General Requirements.
 - b) Symbols showing signal poles. (layer = D-ELEC-Signal Pole , block provided)
 - c) Text identifying signal poles.(layer = D-ELEC-Signal Pole ID number, Block provided)
 - d) Symbols showing signal lanterns. (layer = D-ELEC-Signal Lanterns, block provided)
 - e) Text identifying signal group. (layer = D-ELEC-Signal Group ID Label)(Paper Space text height=3.5mm)
 - f) Symbols showing detectors. (layer = D-ELEC-Signal Loop Detector, block provided)
 - g) Text identifying detector no. (layer = D-ELEC-Signal Loop detector ID no)
 - h) Schedule showing "Sign details". (layer = D-ENHA-Schedules)
 - i) Legend showing Phase Diagram.(layer = D-ENHA-Legends)
 - j) Text showing Signal Number (TS ???) in title block.
- 1.5 Survey on the Traffic Signals Drawing shall be trimmed (i.e. survey detail should only be shown outside the extents of the design)

LEGEND		LEGEND	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LIGHTING POLE		ITS MICROWAVE LINK
	TRAFFIC SIGNAL POLE		STOBIE POLE - INSTALL
	COMBINATION LIGHTING / TRAFFIC SIGNAL MAST ARM (3.5 / 5.5m OUTREACH)		SIGNAL CONTROLLER (ATSC4 CONNECTED TO SCATS)
	AUDIO TACTILE - PEDESTRIAN PUSH BUTTON		SERVICE POINT
	CYCLIST PUSH BUTTON		C.C.T.V. CAMERA - PAN, TILT, ZOOM
	TWO ASPECT PEDESTRIAN LANTERN WITH VERTICAL OR HORIZONTAL LOUVRES AS SHOWN		KERB & GUTTER
	THREE ASPECT LANTERN WITH VISOR AS SHOWN		EDGE OF BITUMEN
	THREE ASPECT LANTERN WITH (RIGHT TURN) GREEN ARROWS IN LIEU OF GREEN DISC VISOR AS SHOWN		
	INDUCTIVE LOOP DETECTOR		



SIGN DETAILS		
No.	CODE	DESCRIPTION
3	R7-1-4B	BICYCLE LANE
1	R2-6A(R)	NO RIGHT TURN
1	R2-3A(L)	KEEP LEFT



- NOTES:**
- TRAFFIC CONTROL DETAILS AND RETROREFLECTIVE RAISED PAVEMENT MARKERS INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARD 'AS 1742 MANUAL OF TRAFFIC CONTROL DEVICES' AS MODIFIED BY THE DPTI 'CODE OF TECHNICAL REQUIREMENTS FOR THE LEGAL USE OF TRAFFIC CONTROL DEVICES', AND THE DPTI 'PAVEMENT MARKINGS MANUAL'.
 - FOR SIGN INSTALLATION DETAILS REFER TO DPTI MASTER SPECIFICATION, PART RD-LM-C4:SIGN INSTALLATION & RD-LM-S2:SUPPLY OF SIGNS.
 - INSTALL KERB RAMP TYPE 5 UNLESS INDICATED OTHERWISE.
FOR PEDESTRIAN KERB RAMP INSTALLATION DETAILS (INCLUDING HOLDING RAILS & TACTILE DETAILS) REFER STANDARD DRAWING S-4020, SHEET 1 & STANDARD DRAWING S-4074, SHEETS 1, 3, 4 & 6.
 - FOR MEDIAN CUT OUT DETAILS REFER TO STANDARD DRAWING S-4075 SHEET 1.
 - FOR CORNER ISLAND DETAILS REFER TO STANDARD DRAWING S-4076 SHEETS 1 & 2.
 - ALL LANE DIMENSIONS QUOTED ARE TO THE CENTRE OF LINE MARKING OR TO THE FACE OF KERB.
 - ALL VEHICLE LANTERNS ARE 200mm LED UNLESS OTHERWISE SHOWN.
 - DESIGN VEHICLE TURNING PATHS USED WERE:
AUSTROADS 26m B-DOUBLE
- RIGHT TURN FROM VICTOR HARBOR ROAD INTO MAIN SOUTH ROAD.
AUSTROADS 19m SEMI TRAILER
- LEFT TURN FROM VICTOR HARBOR ROAD INTO SOUTH ROAD.
- U TURN AT U TURN FACILITY ON VICTOR HARBOR ROAD.

No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE
4	NOTE 2 UPDATED TO INCLUDE NEW MASTER SPECIFICATION PARTS	NKS	NKS	J.DAVIES	25.11.2019
3	TRAFFIC ISLAND CUTOFF EDGES SHOWN SQUARE	NKS	NKS	J.LANE	10.1.13
2	SCALE OF DRAWING CHANGED FROM 300 TO 200	AF	GG	J.LANE	13.09.12
1	SIGNAL POLE NUMBERS RELOCATED. POLE SCHEDULE RELOCATED TO CONDUIT DRAWING	AF	GG	J.LANE	17.07.12

100 MILLIMETRES ON ORIGINAL DRAWING

ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE

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PROJECT No.: 15609	FILE No.: 08/11906	ROAD No. 4763 / 4760 MAIN SOUTH ROAD JUNCTION VICTOR HARBOR ROAD; NOARLUNGA MC00; CH 160 - CH 360 TRAFFIC SIGNALS	SIGNAL No.: TS 999
DESIGN No.: 20090265	SURVEY No.: 20090551		
PROJECT START ROAD RUNNING DISTANCE: CH 00 = 0.66km (RN 4673) PROJECT END ROAD RUNNING DISTANCE: CH 1130 = 39.8km (RN 6203)			
SCALES: 4 0 2 4 6 8	DESIGNED: AA	DRAFTED: CC	ACCEPTED FOR USE: A.SMITH
	CHECKED: BB	CHECKED: DD	TITLE: MANAGER
			DATE: 30/02/2011
	ACCEPTANCE FORM KNET No.: 12345678	DRAWING No.: 1234	SHEET No.: 247
	IN ACCORDANCE WITH DP013	UNCONTROLLED COPY WHEN PRINTED	
		SHEET LATITUDE -35.18299 SHEET LONGITUDE 138.49379	

CAD FILE NAME: DP01EXAMPLE.TDWG