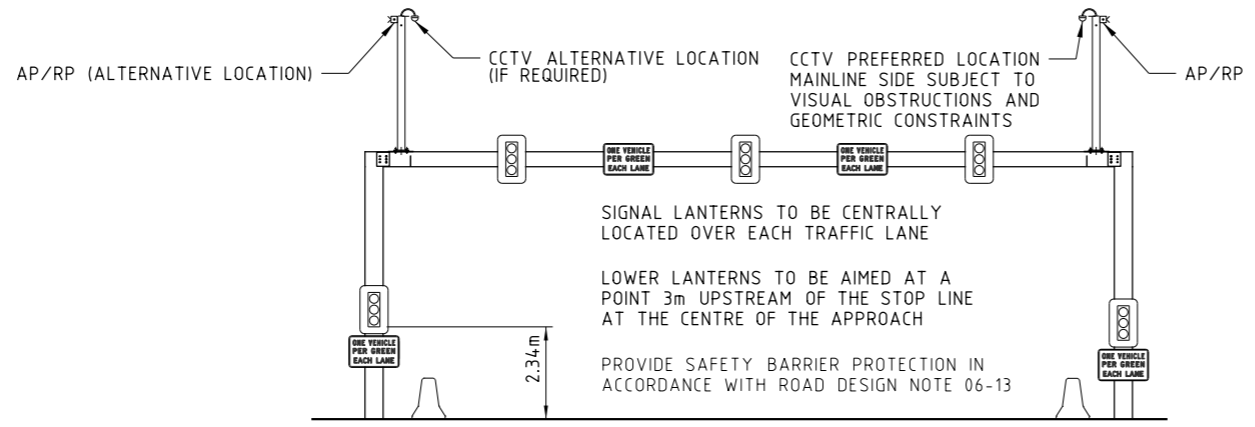
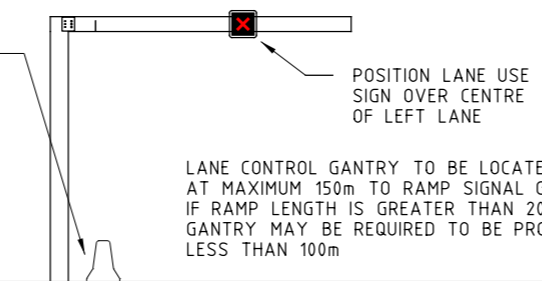


- LEGEND**
- NEW PEDESTAL
  - 3 ASPECT LANTERN (200mm)
  - ▨ LANE-LEVEL DETECTION<sup>2</sup> INCLUDING SHOULDER
  - WIRELESS VEHICLE DETECTORS<sup>2</sup>
  - ⊠ SIGNAL CONTROLLER
  - E100/C100 TYPE/DUCT DIAMETER
  - 750mm DIA. CONDUIT JUNCTION PIT
  - ▤ RAISED REFLECTIVE PAVEMENT MARKER
  - ⊞ COMMUNICATIONS PIT
  - ⊞ REPEATER POINT (RP) FOR WIRELESS VEHICLE DETECTORS
  - ⊞ ACCESS POINT (AP) FOR WIRELESS VEHICLE DETECTORS
  - ⊞ CCTV (PTZ)

**ALTERNATIVE TREATMENT**  
SIGNS & HARDWARE NOT SHOWN IN INSET REFER CONFIGURATION BELOW FOR DETAILS



PROVIDE SAFETY BARRIER PROTECTION IN ACCORDANCE WITH ROAD DESIGN NOTE 06-13



SIGN 'RC3' TO BE LOCATED DESIRABLY 80m TO 150m PRIOR TO THE LEFT TURN LANE TAPER LEADING TO THE FREEWAY ENTRY RAMP SUBJECT TO CONSIDERATION OF SPEED LIMIT

E100/C100 TO RC3 FOR POWER (ALTERNATIVELY PROVIDE LOCAL POWER SUPPLY) AND COMMUNICATIONS (HARDWIRE LINK TO BE PROVIDED). REFER SPECIFICATION

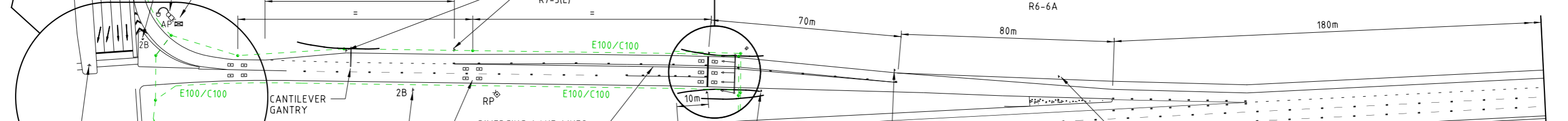
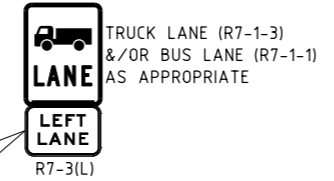
CONNECT TO POINT OF SUPPLY AS PER SPECIFICATION

SIGN 'RC1'(L)

MOUNT AP & CCTV ON POLE (MINIMUM 8m HIGH) CCTV TO BE LOCATED TO MEET ALL VISIBILITY REQUIREMENTS AS PER VICROADS MANAGED MOTORWAY DESIGN GUIDES & HANDBOOKS AND INCLUDE ALL SURFACE ROAD APPROACHES TO INTERCHANGE

PREFERRED CONTROLLER LOCATION

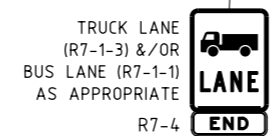
70 MINIMUM



SIGN 'RC2' ON LEFT (DESIRABLE) OR RIGHT SIDE ONLY WHEN VISIBILITY TO SIGNALS IS POOR

DIVERGING LANE LINES TO SEPARATE TRAFFIC (REFER TO INSET)

DATA STATION REFER TO GENERAL NOTE 2 FOR MAINLINE DETECTOR LOCATIONS REFER TO VICROADS MANAGED MOTORWAY GUIDES & HANDBOOKS



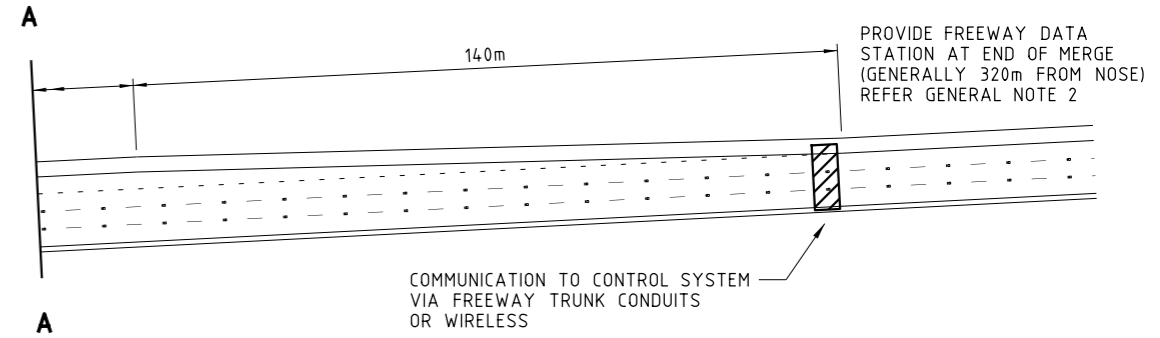
E100/C100 TO EXISTING SIGNAL CONTROLLER AND RC1/RC3 SIGNS FOR POWER & COMMUNICATIONS ALTERNATIVELY PROVIDE POWER SUPPLY

SIGN 'RC1'(R)

SIGN 'RC3' LOCATE DESIRABLY 80m TO 150m PRIOR TO START OF RIGHT TURN LANE TAPER SUBJECT TO CONSIDERATION OF SPEED LIMIT

REFER VICROADS MANAGED MOTORWAY GUIDES AND HANDBOOKS FOR REQUIRED ENDORSEMENTS OF PROJECT DESIGNS

DETAIL DESIGN DEVELOPMENT FOR OPERATIONAL REQUIREMENTS REQUIRES VICROADS CONSULTATION AND ACCEPTANCE



VICROADS DRAWING No 720412

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A			REVISED PRIORITY LANE SIGNING, MAINLINE DETECTION AND NOTES

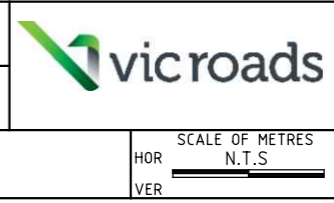
**GENERAL NOTES**

- LAYOUT DOWNSTREAM FROM THE NOSE IS BASED ON THE STANDARD TREATMENT SET OUT IN VICROADS SUPPLEMENT TO AUSTRROADS GUIDE TO ROAD DESIGN PART 4C. REFER ALSO VICROADS MANAGED MOTORWAY DESIGN GUIDE INCORPORATING FREEWAY RAMP SIGNALS STANDARDS, VICROADS MANAGED MOTORWAY GUIDES, HANDBOOKS AND FRAMEWORK
- VEHICLE DETECTOR TYPE INDICATIVE ONLY. REFER SPECIFICATION FOR DETAILS
- PREFERRED CONTROLLER LOCATION SHOULD ALSO CONSIDER VISIBILITY OF SIGNALS AND DISTANCE TO SIGNALS (TYPICALLY 275m MAX.) TO ACCOUNT FOR VOLTAGE DROP
- USE OF VERTICAL LOUVRES SHOULD BE CONSIDERED ON SIGNAL LANTERNS VISIBLE FROM THE FREEWAY CARRIAGEWAY
- FOR DETAILS OF OTHER RAMP SIGNS AND PAVEMENT MARKINGS REFER TO TEM VOL 2
- STANDARDS FOR ALL EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH RELEVANT VICROADS STANDARD DRAWINGS AND SPECIFICATIONS
- UNDERTAKE TESTING OF ALL ITS DEVICES AS PER SPECIFICATIONS

DESIGNED NETWORK OPTIMISATION 11/04/18

APPROVED R. FANNING 15/10/18

CAT: Standard Drawings  
PROJ: Managed Motorway  
FILE: SD6003.dgn



THIS DRAWING SUPERSEDES DRAWING No. 541798 AND TC-2292

**STANDARD DRAWING**  
**MANAGED MOTORWAY**  
TYPICAL ENTRY FREEWAY RAMP SIGNALS FOR TWO LANES METERED PLUS METERED PRIORITY LANE OPTION P2 (ALTERNATIVE)

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			SD6003	A