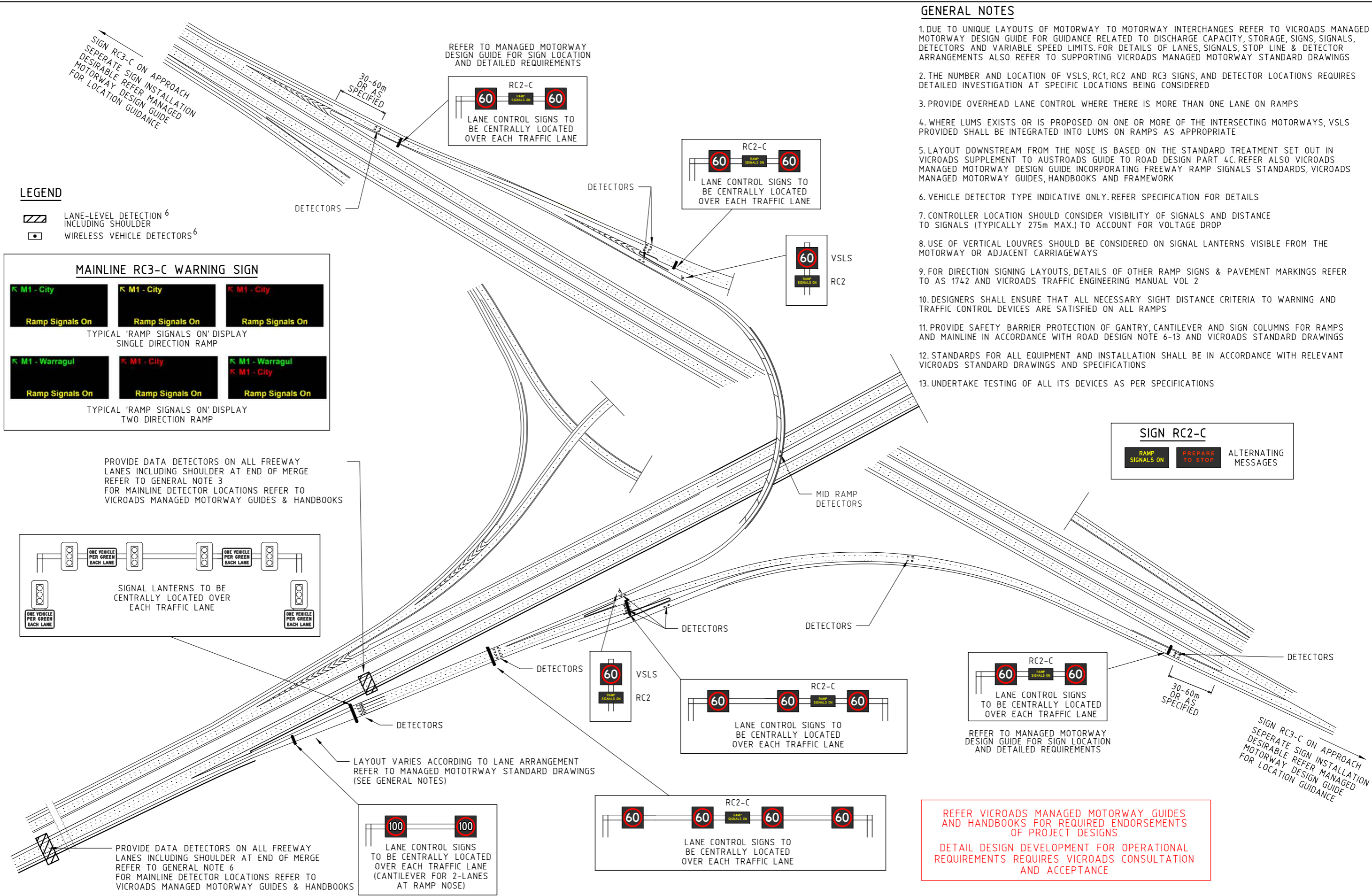


GENERAL NOTES

1. DUE TO UNIQUE LAYOUTS OF MOTORWAY TO MOTORWAY INTERCHANGES REFER TO VICROADS MANAGED MOTORWAY DESIGN GUIDE FOR GUIDANCE RELATED TO DISCHARGE CAPACITY, STORAGE, SIGNS, SIGNALS, DETECTORS AND VARIABLE SPEED LIMITS. FOR DETAILS OF LANES, SIGNALS, STOP LINE & DETECTOR ARRANGEMENTS ALSO REFER TO SUPPORTING VICROADS MANAGED MOTORWAY STANDARD DRAWINGS
2. THE NUMBER AND LOCATION OF VSLS, RC1, RC2 AND RC3 SIGNS, AND DETECTOR LOCATIONS REQUIRES DETAILED INVESTIGATION AT SPECIFIC LOCATIONS BEING CONSIDERED
3. PROVIDE OVERHEAD LANE CONTROL WHERE THERE IS MORE THAN ONE LANE ON RAMPS
4. WHERE LUMS EXISTS OR IS PROPOSED ON ONE OR MORE OF THE INTERSECTING MOTORWAYS, VSLS PROVIDED SHALL BE INTEGRATED INTO LUMS ON RAMPS AS APPROPRIATE
5. 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
6. VEHICLE DETECTOR TYPE INDICATIVE ONLY. REFER SPECIFICATION FOR DETAILS
7. CONTROLLER LOCATION SHOULD CONSIDER VISIBILITY OF SIGNALS AND DISTANCE TO SIGNALS (TYPICALLY 275m MAX.) TO ACCOUNT FOR VOLTAGE DROP
8. USE OF VERTICAL LOUVRES SHOULD BE CONSIDERED ON SIGNAL LANTERNS VISIBLE FROM THE MOTORWAY OR ADJACENT CARRIAGEWAYS
9. FOR DIRECTION SIGNING LAYOUTS, DETAILS OF OTHER RAMP SIGNS & PAVEMENT MARKINGS REFER TO AS 1742 AND VICROADS TRAFFIC ENGINEERING MANUAL VOL 2
10. DESIGNERS SHALL ENSURE THAT ALL NECESSARY SIGHT DISTANCE CRITERIA TO WARNING AND TRAFFIC CONTROL DEVICES ARE SATISFIED ON ALL RAMPS
11. PROVIDE SAFETY BARRIER PROTECTION OF GANTRY, CANTILEVER AND SIGN COLUMNS FOR RAMPS AND MAINLINE IN ACCORDANCE WITH ROAD DESIGN NOTE 6-13 AND VICROADS STANDARD DRAWINGS
12. STANDARDS FOR ALL EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH RELEVANT VICROADS STANDARD DRAWINGS AND SPECIFICATIONS
13. UNDERTAKE TESTING OF ALL ITS DEVICES AS PER SPECIFICATIONS



LEGEND

- LANE-LEVEL DETECTION⁶ INCLUDING SHOULDER
- WIRELESS VEHICLE DETECTORS⁶

MAINLINE RC3-C WARNING SIGN

K M1 - City
Ramp Signals On

K M1 - City
Ramp Signals On

K M1 - City
Ramp Signals On

TYPICAL 'RAMP SIGNALS ON' DISPLAY SINGLE DIRECTION RAMP

K M1 - Warragul
Ramp Signals On

K M1 - City
Ramp Signals On

K M1 - Warragul
K M1 - City
Ramp Signals On

TYPICAL 'RAMP SIGNALS ON' DISPLAY TWO DIRECTION RAMP

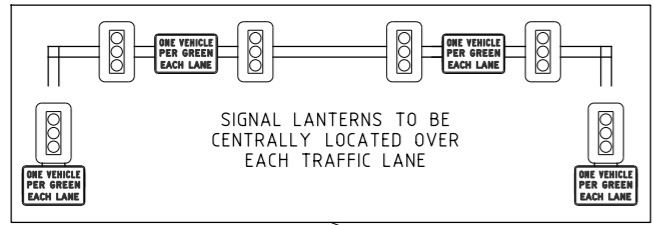
SIGN RC2-C

RAMP SIGNALS ON

PREPARE TO STOP

ALTERNATING MESSAGES

PROVIDE DATA DETECTORS ON ALL FREEWAY LANES INCLUDING SHOULDER AT END OF MERGE REFER TO GENERAL NOTE 3 FOR MAINLINE DETECTOR LOCATIONS REFER TO VICROADS MANAGED MOTORWAY GUIDES & HANDBOOKS



LAYOUT VARIES ACCORDING TO LANE ARRANGEMENT REFER TO MANAGED MOTORWAY STANDARD DRAWINGS (SEE GENERAL NOTES)

PROVIDE DATA DETECTORS ON ALL FREEWAY LANES INCLUDING SHOULDER AT END OF MERGE REFER TO GENERAL NOTE 6 FOR MAINLINE DETECTOR LOCATIONS REFER TO VICROADS MANAGED MOTORWAY GUIDES & HANDBOOKS

REFER VICROADS MANAGED MOTORWAY GUIDES AND HANDBOOKS FOR REQUIRED ENDORSEMENTS OF PROJECT DESIGNS
DETAIL DESIGN DEVELOPMENT FOR OPERATIONAL REQUIREMENTS REQUIRES VICROADS CONSULTATION AND ACCEPTANCE

12/06/2019 DEFAULT 5:15:44 PM SD6401

E				GENERAL NOTES REVISION AS PER MANAGED MOTORWAY GUIDELINE UPDATE 2019
D				
C				
B				
A	RF	06/19		
ISSUE	APP'D	DATE	AMENDMENT	

DESIGNED	NETWORK OPTIMISATION
	29/11/18
APPROVED	R. FANNING
	03/06/19
CAT: Standard Drawings	
PROJ: Managed Motorway	
FILE: SD6401.dgn	

SCALE OF METRES
N.T.S

HOR
VER

THIS DRAWING SUPERSEDES DRAWING No 453912A & TC-2295

STANDARD DRAWING				
MANAGED MOTORWAY				
INDICATIVE FREEWAY RAMP SIGNAL				
INFRASTRUCTURE LOCATIONS				
MOTORWAY TO MOTORWAY INTERCHANGE				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. SD 6401	ISSUE A