

<b>ITP No:</b>	R145 (Ed 5, Rev 0)	<b>Process:</b>	Pavement marking	<b>Project:</b>	Sydney Rd / Common St RAB, Goulburn	<b>Job No:</b>		<b>Work Area / Lot No</b>	
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Process Step	Criteria/Test Method/Spec	Reference document	Record of conformity	Type of Record	Responsible Position	Acceptance/Comments <input type="checkbox"/> Completed <input type="checkbox"/> Not completed
1. Underlying lot conformance (if applicable) Lot No: .....	Underlying lots conform to applicable specifications	Previous Lot Record	Lot conformance	Record	Project engineer	
2. Check if traffic controls are in place	<input type="checkbox"/> Road Occupancy License Obtained if required. <input type="checkbox"/> Pedestrian and vehicular public traffic control planning measures established	G10.2.4	Approved TCP	IP	Project engineer	
3. Painting Contractor Certification	<input type="checkbox"/> Works carried out by organization that is accredited to the "Painting Contractors Certification Program"	R145.1.4	Certification	IP	Project engineer	
4. Verify type of marking material as shown in drawings Waterborne paint thermoplastic paint Others .....	<input type="checkbox"/> On concrete surfaces in the main carriageway and all local road – waterborne paint <input type="checkbox"/> Asphalt surface on the main carriageway – thermoplastic paint <input type="checkbox"/> Type as per relevant design drawings & R145 appendices <input type="checkbox"/> provide the RMS representative a list of material proposed for use and limitation to be used	R145.1.4 R145.2.1 AS 4049.3 AS 4049.2 3359 3360	Verification Checklist	IP	Project engineer	

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5. Verify the reflective glass beads conform to specs requirements	(APAS) Specification APS0042 Clause 6.2 "Heavy metal content". Obtain evidence of compliance	R145.2.4	Verification Checklist	IP	Project engineer	
6. Verify conformance of raised pavement markers & Adhesive	<input type="checkbox"/> Use only retroreflective raised pavement markers prequalified by the RMS. Prequalified retroreflective raised pavement markers are listed in ATD 2015/01 <input type="checkbox"/> For new installation and complete replacement works, all markers must be identifiable for at least twelve months after the initial installation. <input type="checkbox"/> For the adhesive and RRPM (retroreflective raised pavement markers) provide a certificate of compliance verifying that the product complies with the specification, together with the results of the relevant tests.	R142.2.1 3354.7	Verification Test Certificate	IP	Project engineer	

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7. Sampling and Testing Plan	Submit to PV contractors proposed sampling plan for assessing the pavement marking	R145.5	Sampling Plan	IP	Project engineer				
Application									
8. Prepare the Surface for marking	<ul style="list-style-type: none"> <li>The area to be marked is dry free of dirt, gravel, flaking and other loose foreign material</li> <li>The area around marking area is also clean to avoid tracking into the marking area</li> <li>Curing compound on marking areas of concrete pavements is removed by grinding or blasting.</li> <li>Surface is compatible to the new line marking materials.</li> </ul>	R145.3.1	Verification Checklist	IP	Project engineer				
9. Set out the works for installation of pavement markings / raised markers	Notification made to the Project Verifier that the setting out to pavement markings and markers have been done in according with the design drawings	R145.3.2.4 R142.3.1	Hold Point	HP	PV/Project engineer				

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10. Supervise the application of pavement marking / markers	<input type="checkbox"/> Paints and markers installed as per manufacturer's recommendations <input type="checkbox"/> The same materials used with those nominated in the certifications <input type="checkbox"/> All longitudinal lines have been applied by the nominated machine unless approved by Independent Verifier <input type="checkbox"/> Markings are straight or with smooth, even curves where intended <input type="checkbox"/> Edges are clean sharp cut off <input type="checkbox"/> Markings uniform in appearance, texture, width & thickness & free from unbeaded areas <input type="checkbox"/> Beads uniformly applied onto the material immediately after it has been applied to the pavement & while the material is still molten <input type="checkbox"/> Retention of bead material is achieved <input type="checkbox"/> Markings are neat & free from traffic damage or other defects	R145.3.2.2 R145.3.4 R145.3.6 R145.4 R142.3 R142.4	Verification Checklist	IP	Project engineer				

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11. Field test of the paint performance. Provide the results of your testing to the Nominated Authority within 10 working days of carrying out the test	<div><input type="checkbox"/> Thickness of non-profile markings≤6mm</div> <div><input type="checkbox"/> Dry Retroreflectivity: min.250 mcd/lux/m2 up to 20 days after opening to traffic.</div> <div><input type="checkbox"/> Wet Retroreflectivity: min.80 mcd/lux/m2</div> <div><input type="checkbox"/> Skid resistance: min. 40BPN</div> <div><input type="checkbox"/> Colour change: min.3</div> <div><input type="checkbox"/> Luminance factor: ≥S 2500-N</div> <div><input type="checkbox"/> the pavement marking tested must be “70% of area intact” or better</div>	R145.4 R145.5 AS 4049.5	Test Report	TP	Project engineer				
12. Reinstatement of Pavement Markings After Road Works	Reinstate the pavement markings as soon as possible after road works where the pavement markings have been removed or damaged, to maintain the delineation for road safety purposes Temporary raised pavement markers can be used for delineation for up to 10 days after opening to traffic, after which the pavement markings must be reinstated.	R145 CL3.5, R145 CI 3.5.2	ITP	IP	Project engineer				

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REVIEW BY PROJECT MANAGER	
Have tests passed?	YES/NO Test Report No: _____
Is all testing as per specified frequency?	YES/NO
Are earthworks within location and level tolerances?	YES/NO
Have all RMS Hold Points been released?	YES/NO
Any nonconformances?	YES/NO Sign: _____ For Closed Out: YES/NO
All work has been satisfactorily completed.	YES/NO
_____ Project Manager	_____ Date

Prepared By: Mohammed Almalome Approved By: \_\_\_\_\_ Date Approved \_\_\_\_\_