

# Inspection and Test Plan (I. T. P.)

I.T.P. # : 034

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Project : ELH Master Copy

ITP Description : Construction of Kerbs – RTA R15

Rev.	Date	Reason For Revision	Prepared By	Approved For Use
Draft	8/1/01	Issued for review	P.Stathis	I.Karaban
0.0	17/1/01	Issued for construction	P. Stathis	I. Karaban

Item No.	Inspection/Test Activity (Spec./Dwg. Refs.)	Responsibility				Frequency	Inspn/Test Method	Acceptance Criteria	Record	Notes
		Q&E Eng	PE/ Fore man	PES/ RTA	S/C					
<b>1.0</b>	<b>Materials</b>									
1.1	Concrete Mix Design				CSR /Pioneer	Prior to initial use then monthly Production/Project Assessment Report.	Inspection of PQP	Complies with RTA R53, AS 1379 & ISO 9002.	NATA Certificates	
1.2	Slump					Each homogeneously manufactured grade per day, one on each of first 3 batches at start of day and after a non conforming batch, then one per four batches.	AS 1012.3	80mm +/- 15mm (Table 6 AS 1379)	Field checklist	
1.3	Concrete Compressive Strength					Project assessment: 1 sample/50m <sup>3</sup> , Production assessment includes minimum 10 samples per production interval (1 month)	AS1012.9	RTA R53, Annexure R53/2:  Kerb & Gutter adjacent to flexible pavement 28 day compressive strength > 25MPa  Kerb & Gutter adjacent to concrete pavements 28 day compressive strength > 32MPa	NATA Certification	
<b>2.0</b>	<b>Placing Requirements</b>									
2.1	Prior to placing					Each Lot	R44, R71, R82, R83 & R116	Compaction of subgrade, subbase and base layers supporting kerb and gutter shall be to the standard specified. Base joints to be sealed.	NATA Certificate / Check list	

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2.2	Finishing					Each lot	Visual	Steel float finish generally, broom finish to tops of kerbs.	Field check list	
2.3	Kerb ramps					Each ramp	Visual	Ramps to be constructed as per drawing MD.R15.A06.B, and incorporates tactile indicators in accordance with Figure 5 of AS 1428.4.	Filed checklist	
2.4	Joints					Each lot	Visual	<p>Longitudinal joints +/- 10mm over straight edge (with allowance to curvature);</p> <p>Transverse contraction, construction and expansion joints to line up with base concrete joints, with no additional joints provided;</p> <p>Joints adjacent to flexible pavement to incorporate a contraction joint every 3m (25mm deep) &amp; an expansion joint every 12m (6mm wide).</p> <p>Joints to be aligned at an angle of 90° +/-5° to the line of the kerb.</p>	Field checklist	
2.5	Joint sealants					Each lot	Visual	Use the same joint sealant used in the base, as per R83.	Field checklist	

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2.6	Concrete curing					Each lot	Visual	To be cured by applying wet hessian (min 7 days) or wax compound.	Field checklist	
<b>3.0</b>	<b>Tolerances</b>									
3.1	Bedding layer					Every 10m	Visual/Survey – AS 2876	RTA R15 Annexure R15/1, +0mm to –10mm vertical level and +5mm to –10mm on a 3m straight edge	Field checklist	
3.2	Finished concrete					Every 10m generally and every 5m on roundabouts	Visual/Survey – AS 2876	RTA R15 Annexure R15/1, +0mm to –10mm on any horizontal and vertical alignment and +/-5mm on a 3m straight edge	Field checklist	
3.3	Profiles and Dimensions					Every 10m, Extruded or slip formed: once for each batch of concrete delivered	Visual/Survey – AS 2876	RTA R15 Annexure R15/1, +/-5mm and the overall width +/-15mm	Field checklist	To be completed to the profile and dimensions shown on drawings MD.R15.A01.A.1 & MD.R15.A02.A