


		Brisbane Beenleigh Road/Compton Road Intersection Upgrade				Doval Project No. 24050 Client Project No. CN-21676		Inspection and Test Plan MRTS03 (July 2021) ITP 3.18 Rev 0		
		Lot Number KC 1 001		Description Kerb and Channel	Date Opened Date Started Date Finished					
Location				Control Line	Chainage -					

No.	Activity Description	Acceptance Criteria & Frequency (Project Specific)	Check Item Reference	Inspection			NCR	Related Lot #
				PE/WS/SS	CQR to Verify	Administrator		
1	Concrete shall be in accordance with the requirements of MRTS70 Concrete.	Check and Verify	Check Item MRTS03 Clause 5.4					
2	Cast-in-place concrete kerb, channel, and kerb and channel, including kerb crossings, shall be provided in the locations specified in the drawings and in accordance with SD1033	Check and Verify	Check Item SD1033					
3	Where insitu material on or against which kerbs or channels are to be constructed is other than rock, the material shall be compacted as for material at the bottom of excavations in accordance with MRTS04 General Earthworks.	Check and Verify	Check Item MRTS03 Clause 18.3					

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4	Manually-placed concrete shall be in accordance with Clause 6.1. Exposed surfaces shall have a steel-trowelled finish.				Check and Verify	Check Item	MRTS03 Clause 18.3					
5	Where kerb, channel and/or kerb and channel is constructed by an extrusion process, concrete shall comply with a maximum aggregate size not exceeding 20 mm and a minimum of 320 kg of cement per cubic metre of concrete. The extrusion machine shall be fitted with a tamper and an automatic control which allows adjustment of the position of the forming mould while the machine is in operation.				Check and Verify	Check Item	MRTS03 Clause 18.3					
6	The finished kerb, channel and/or kerb and channel shall be well compacted and shall have exposed surfaces free from voids and honeycombing.				Check and Verify	Check Item	MRTS03 Clause 18.3					

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7	Expansion joints shall be installed at regular intervals not exceeding 20 m. The joints shall be constructed by installing 6 mm maximum thickness compressible packing in the full cross-section of the kerb, channel and/or kerb and channel. Where relevant, joints shall be located to line up with expansion joints in adjacent structures.			Check and Verify	Check Item	MRTS03 Clause 18.3					
8	Contraction joints between expansion joints shall be installed at regular intervals not exceeding 5 m. The joints shall be constructed by forming grooves 40 mm deep and not more than 6 mm wide in all exposed surfaces of the kerb, channel and/or kerb and channel.			Check and Verify	Check Item	MRTS03 Clause 18.3					
9	Concrete shall be cured for a period not less than seven days before any other roadworks operations are carried out adjacent to the kerb, channel or kerb and channel.			Check and Verify	Survey Results	MRTS03 Clause 18.3					
10	The horizontal and vertical alignments of kerb, channel and/or kerb and channel shall not vary from those specified by more than ± 10 mm.			Check and Verify	Check Item	MRTS03 Clause 18.4					

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11	Where the longitudinal grade of channels is less than 1%, a test shall be carried out by discharging water into the channel to check uniformity of flow along the channel. After the flow has ceased, water shall not pond to a depth of more than 5 mm in any section of the channel. The test shall be carried out as soon as possible after the concrete in the channel has hardened.			Check and Verify	Witness Point	MRTS03 Clause 18.5						
General Comments												
Supervisor/QA Verify that the Above has been Constructed according to Specification						Project Manager Verify that the Above has been Constructed according to Specification						
Print Name		Signature		Date		Print Name		Signature		Date		