

Hayden Brett
Created Tue, 16 Jan 2024, 3:46 PM (UTC+11)

Subcontractor (if applicable)

ITP Details:

Client	Construction Process	Contract Number:	Specifications	Structure / Component	Prepared By	Approved By
Regional Roads Victoria			Vicroads Specification Section 173, 175, 205, 210, 290, 304, 702 and 720, VR Code of Practice 500.2	Pavements		

Project Location

Lot No.

Lot details

Lot size/qty

Date Start: - End: -

Legend:

HP	Hold Point	Work shall not proceed past the HP until released by the Superintendent	IP	Inspection point	Formal Inspection to be done and recorded
IHP	SWA Internal Hold Point	Work shall not proceed past the IHP until released by SWA	TP	Test Point	Product compliance test to be undertaken and recorded/ reported

WP	Witness Point	An inspection which must be witnessed by the Superintendent	SCP	Survey conformance point	A qualified surveyor to check product/section/structure and report
AP	Approval Point	Written or verbal approval given by the Superintendent			

1. Preliminary Works

Task/Activity Description	Acceptance Criteria	Reference Documents	Method & Record of conformity	Responsibility	Signature	Comments
1.1 SET OUT OF WORKS Frequency Each lot as required	Ensure relevant construction drawing are being used to determine set-out of works. Ensure all survey pegs are aligned max 40m apart and the offset distances and heights are in accordance with relevant drawings Refence checking to be conducted with string lines	Vicroads std sec 100.6	Method: Survey set-out Record: Signed ITP	SCP SWA Project Manager		
1.2 CONFORMITY WITH DRAWINGS – Random Level Assessment - Scale B Surface Level Requirements Frequency Prior to commencing any activity	Level measurements shall be taken at random locations over the area of the lot in accordance with Section 173 – Examination and Testing of Materials and Work (Roadworks). The number of measurements taken within each lot shall not be less than the number specified in Table 204.031. Random level assessments of the surface shall be undertaken in lots not exceeding 4000 m2.	Vicroads std sec 204.03	Method: Survey Report Record: Signed ITP	IHP SWA Project Manager		

2. Construction works

Task/Activity Description	Acceptance Criteria	Reference Documents	Inspection method & Record of conformity	Responsibility	Signature	Reports	Photos	Comments
2.1 REQUIREMENTS FOR TESTING AND ACCEPTANCE OF COMPACTION (a) General Frequency: Each lot as required	Material during compaction shall have a moisture content of not less than 85% of optimum. After completion of compaction of a layer, the moisture content of the material in the layer shall be maintained at a moisture content of not less than 85% of optimum until test rolling has been completed.	Vicroads std sec 304.08	Method: Visual & Laboratory Report Record: Signed ITP	IHP SWA Project Manager AP RRV Superintendent				

Task/Activity Description	Acceptance Criteria	Reference Documents	Inspection method & Record of conformity	Responsibility	Signature	Reports	Photos	Comments
2.2 REQUIREMENTS FOR TESTING AND ACCEPTANCE OF COMPACTION (b) Material of Nominal Size 40 mm or Less Frequency: Each Lot	<p>The calculation of density ratio shall be based on tests performed using Modified compactive effort. The work shall be assessed for compliance with Scale B requirements being not less than 97%. See table 304.081.</p> <p>For work to be tested for compliance with Scale B requirements, the number of tests per lot shall be six. See table 304.121.</p> <p>The maximum thickness of any pavement base layer shall not exceed 150 mm and the maximum thickness of any subbase layer shall not exceed 200 mm.</p> <p>The minimum thickness of any pavement layer shall be 4 times the nominal size of the material.</p>	Vicroads std sec 304.08	Method: Laboratory Test Report Record: Signed ITP	IHP SWA Project Manager IP SWA Site supervisor AP RRV Superintendent				

Task/Activity Description	Acceptance Criteria	Reference Documents	Inspection method & Record of conformity	Responsibility	Signature	Reports	Photos	Comments
2.3 TEST ROLL PAVEMENT LAYER Frequency: Each Lot	The Contractor shall not commence placing any fill on the prepared areas until the area has been reviewed by the Superintendent. The Contractor shall provide for the Superintendent to be present during all test rolling.	VcRoads Std Specs 173.03 & 204.12	Method: Proof roll Record: Signed ITP & Test Report	HP SWA Project Manager AP RRV Superintendent				

Task/Activity Description	Acceptance Criteria	Reference Documents	Inspection method & Record of conformity	Responsibility	Signature	Reports	Photos	Comments
2.4 CONFORMITY WITH DRAWINGS – Random Level Assessment - Scale B Surface Level Requirements Frequency: Each Lot	<p>The surface level of the pavement courses shall be measured in accordance with the requirements of Section 173 and every test lot shall meet either Scale B requirements as specified in Clause 304.12.</p> <p>Random level assessments of the surface shall be undertaken in lots not exceeding 4000 m2.</p> <p>Each level measurement shall be taken at random locations over the area of the lot in accordance with the VicRoads Test Method and the number of measurements taken within each lot shall not be less than the number specified in Table 304.061. Surface Level Tolerance as per Table 304.062</p>	VcRoads Std Specs 304.06	Method: Survey report Record: Signed ITP	IHP SWA Project Manager WP RRV Superintendent				

Std. References

Tables:

Table 204.031 Minimum Number of Level Measurements and Tolerances

Scale of Surface Level Measurement	Minimum Number of Measurements per Lot	Tolerance	
		\bar{x} Range (mm)	Maximum S (mm)
Scale A	80	+5 to -15	12
Scale B	40	+5 to -25	15
Notes: 1. \bar{x} is the mean value of all level readings taken in the lot 2. S is the standard deviation of all level readings taken in the lot 3. A negative value designates a measured departure below the design level and positive value designates a surface level above the design level			

Table 304.081 Acceptance Limits for Scale A and Scale B Standards of Compaction

Compaction Scale	Characteristic Density Ratio % (six tests)			
	Lower Subbase Layers	Upper Subbase Layers	Base Layers	
			Layer directly beneath the Bituminous Surfacing	Other Layers
A	Not less than 98.0	Not less than 98.0	Not less than 100.0	Not less than 99.0
B	Not less than 97.0	Not less than 97.0	Not less than 98.0	Not Less than 98.0

Table 304.121 Testing Levels

Roadway	Road Chainage / Location	Scale of Surface Level Measurement (A, B or C)	Scale for Assessment of Compaction (A, B or C)	Scale for Assessment of Post-Compaction Grading and PI (A, B or C)
Birregurra-Forrest Road	Within the limit of works.	B	B	B
Colac Lorne Road	Within the limit of works.	B	B	B
Deepdene Road	Within the limit of works.	B	B	B

Where for any location a specific scale has not been nominated, Scale A shall apply.

Table 304.111 Maximum Lot Size and Minimum Frequency of Testing for Compaction, Post-compaction Grading and PI (after passing the minimum number of qualifying lots)

Pavement Layer	Maximum Allowable Lot Size for a Single Layer of Work	Minimum Frequency of Testing for Compaction	Minimum Frequency of Testing for Scale A Post-compaction Grading	Minimum Frequency of Testing for Scale A Post-compaction PI
Upper Base Layer	The lesser of 4000 m ² or one day's production	One per 2 lots	One per 2 lots	One pair per 4 lots
Lower Base Layer	The lesser of 4000 m ² or one day's production	One per 2 lots	One per 2 lots	* One pair per 8 lots
Upper Subbase	The lesser of 4000 m ² or one day's production	One per 2 lots	One per 4 lots	* One pair per 8 lots
Lower Subbase	The lesser of 4000 m ² or one day's production	One per 2 lots		

Table 304.061 Minimum Number of Level Measurements per Lot

Scale of Surface Level Measurement	Minimum Number of Measurements Per Lot
Scale A	80
Scale B	40

Table 304.062 Surface Level Tolerances for the Pavement Courses

Scale of Level Measurement	Lower Subbase		Upper Subbase		Base	
	\bar{x} Range (mm)	Max. S (mm)	\bar{x} Range (mm)	Max. S (mm)	\bar{x} Range (mm)	Max. S (mm)
Scale A	+6 to -10	10	+4 to -8	8	± 5	8
Scale B	+8 to -16	15	+ 6 to -12	13	± 8	10
Notes: <ol style="list-style-type: none"> \bar{x} is the mean value of all level readings taken in the lot S is the standard deviation of all level readings taken in the lot A negative value designates a measured departure below the design level and positive value designates a surface level above the design level 						

Photo and video

Final Inspection

(The signature below verifies that this ITP has been completed in accordance with the Fulton Hogan's Quality system Procedures and verifies lot compliance with specifications)

Project Team signature

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Photo and video

Final Inspection

(The signature below verifies that this ITP has been completed in accordance with the Fulton Hogan's Quality system Procedures and verifies lot compliance with specifications)

Client Signature

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