

Doc ID: ITP-007

Rev: 01

Client: Melbourne Airport (APAM)

Contract No: CP21009

Prepared By: Owen Tieu

Project: Runway 16-34 OverlayReviewed By: Jamal KhodrDate: 03/08/2022

Construction Process: Unbound Pavements and Crushed Rock Working Platform

Approved By: Jamal Khodr

Date: 03/08/2022

Specifications: N/A

**Structure / Component:** 

Lot No: Lot Details: Lot size/Quantity: Date:

Item	Task/Activity		Inspection/Test				HP/ WP/	Responsibility		Checked by	<b>/</b> :	
No.	Description	Frequency	Acceptance Criteria	Reference Documents Inspection n/ Test Method Record of conformity		AP/ IP/ TP/ SCP		Principal's Rep.	Fulton Hogan	Other	Date	
1.0	Preliminary Activitie	es – Permits,	Documentation, Approvals, Survey Documen	tation	l				1	ı		
1.1	The current revision drawings are being used including subcontractors copy.	Prior to works	Current revision drawing is being used including the subcontractors copy.  Current Revision to be obtained via Principal's Representative	ACONEX	Visual Inspecti on	Current drawings	HP*	Fulton Hogan				
1.2	ITP and Construction procedure documentation	Prior to works	ITP and Construction procedure for unbound pavement material placement to be provided to Principal's Representative for review.		Verify	Approved Work procedure report	НР	Fulton Hogan Principal's Representative				
1.3	Material classification.	Prior to works	Proposed material source information and samples to be submitted to Principal's Representative.	VicRoads section 812	Verify	Approved rock mix design report	НР	Fulton Hogan Principal's Representative				
1.4	Production testing	Prior to works	Supply of information with respect to production testing.	VicRoads section 812	Verify	Approved production testing results	TP	Fulton Hogan Principal's Representative				
1.5	Implementation of all measures and controls.	Prior to works	All necessary measures and controls are being implemented including: PSP, EMP, TMP, SWMS and WP.	PSP,EMP, TMP, SWMS, WP	Visual inspecti on	Site inspection	HP*	Fulton Hogan				



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1.6	Plant and Equipment	Prior to works	Plant and Equipment used in the works are appropriate to achieve specification requirements.		Visual Inspecti on	Finalised ITP	HP*	Fulton Hogan		
1.7	Stockpile material on site	Prior to works	Material stockpile locations approved by the Principal's Representative.	Stockpile Map	Visual Inspecti on	Material receivables checklist (Dockets)	AP	Fulton Hogan		
2.0	Placement of crushed	rock base and	sub-base							
2.1	Commencement of construction of the base (Class 3/4/profiling) and sub base (Class 3/4/profiling).	Each lot	The underlying layer shall be clean of all foreign matter. All edges of previously placed material must be water conditioned prior to placement continuation.	VicRoads section 204	Visual inspecti on	Site Inspection	HP*	Fulton Hogan		
2.2	Placing Crushed rock	Each lot	The maximum lot size for surface levelling is to be half the size of the working area.  Surface tolerances per layer is as follows;  Class 3/4 Crushed Rock/profiling: +0, -10mm  Crushed Rock Working Platform: +0, -10mm  Pavement layer thickness tolerances as follows;  Class 3/4 rock/profiling (Base): -10mm. The average thickness over every 100m shall be no less than the specified thickness. Max thickness of any base layer shall not exceed 200mm and be no less than 80mm.  Class 3/4 rock/profiling (subbase): -15 mm. Max thickness of any subbase layer shall not exceed 150mm and be no less than 80mm.	VicRoads section 304	Visual Inspecti on	Survey day and Visual inspection	HP*	Fulton Hogan		



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			•	base cou	rse shall be no l	of subbase and ess than the ore than 15mm.							
2.3	Compaction and Post Compaction Testing	Each Lot	in a sud Col des	all areas ind ccessively p mpaction is sired moistu mpaction to ler. mpaction to per Table 3	eluding the interfolaced lanes and achieved whilst are range.  be be completed westing requirement and the completed westing requirement and the complete and t	sections; material is within with a 16T smooth nts and frequency e C Standard of Compaction ty Ratio % (three tests)	VicRoads section 304, 820	Testing	Test result certificate	TP	Fulton Hogan		
					Subbase Layers	Base Layers							
				С	Not less than 98.0	Not less than 100.0							,
			I	iterial requii 0.041.	rements as per	Tables 820.072,							



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	nuic / Component.																-
			Table 820.	.072 Gradin	ng Requi	rements	for Class	CC4 Cru	shed Con	crete							
					Limits	of Gradir			fore Com	paction							
			5	Sieve Size AS (mm)			(% Pa	assing) Size (mn	n)								
				A3 ()	50	40	30	25	20	14							
				75.0	100												
				53.0		100											
				37.5			100	100									
				26.5					100								
					54 - 75	64 - 90				100							
				9.50			48 - 70	54 - 75	1								
				4.75 0.425	7 31	7 22	0 34	10 26		54 - 75 15 - 32							
										6 - 17							
			T-1-1- 020	.041 Physi			2-12	2 - 13	2 - 14	0 - 17							
			Table 820.	.041 Physi	сат Ргор	erties			Test Valu	ie .							
					Tes	st		Class	Class	Class							
				Liquid Limi	it % (max	<)		<b>CC2</b> 35	<b>CC3</b>	<b>CC4</b> 40							
				Plasticity I				6	10	20							
				California I				100	80	20							
				Los Angele Flakiness I		n Loss (r	nax)	35 35	40	45							
			Nomina	ated fred	nuenc	v of te	stina	for Co	mnac	tion							
			Post-co														
			(section			9		.,									
			Result			to co	oform	to Vic	Poads								
			section		HOHIO	10 001	1101111	to vic	TOdas	,							
			Proof R	Roll will o	occur	once	compa	action	has b	een							
			comple	eted, as	part o	f the f	inal se	equen	ce of								
			compa														
											V'-DI-		Visual		Follow Harris		
			Proof R				c and	ın a m	anner	that	VicRoads	Visual	inspection	WP/	Fulton Hogan		
2.4	Proof rolling	Each Lot	covers	the enti	re are	a.					section 173	Inspecti	and	HP*	Principal's		
			Vibratin	ng Plant	trave	l at sn	eed le	ess tha	an 4kn	n/h		on	mapping	ne -	Representative		
			and les										data				
				Rollers operated as close as practicable to													
			unsupp	orted e	dges.												



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			Contractor shall provide for the Principal's Representative to be present after all test rolling. Proof rolling of the Crushed Rock Working Platform to be completed with a watercart or smooth drum.							
2.5	Identification and treatment of unsuitable areas.	Each Lot	Should any area crushed rock be disturbed or become unstable during proof rolling, the Principal's Representative should be advised immediately and proof rolling of the area ceased.  Any areas of crushed rock layer that rut, yield or become unstable under the proof rolling must be investigated in the presence of the Principal's Representative.	Spec cl 3.6.3. & VicRoads Section 204	Visual Inspecti on	Site Inspection	НР	Fulton Hogan Principal's Representative		

#### Final Inspection

On behalf of Fulton Hogan it is hereby certified that the Works represented by the items of work listed have been tested in accordance with the Project Quality Plan and conform in all respects with the requirements of the Contract.

Print Name: Position: Signature: Date: / /

#### Legend:

HP	Hold Point	Work shall not proceed past the HP until released by the Principal's Representative	IP	Inspection point	Formal Inspection to be done and recorded
HP*	Fulton Hogan Hold Point	Work shall not proceed past the HP* until released by Fulton Hogan	TP	Test Point	Product compliance test to be undertaken and recorded/reported
WP	Witness Point	An inspection which must be witnessed by the Principal's Representative	SCP	Survey conformance point	A qualified surveyor to check product/section/structure and report
AP	Approval Point	Written or verbal approval given by the Principal's Representative			



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