

		Inspection and Test Plan – Control and Supervision of the Works		Doc ID: FH-ZU2-QU-ITP020 Rev: 1	
Principal's: Melbourne Airport (APAM)			Contract No: CP14038		Prepared By: Abdul Saad
Project: Taxiway Zulu 2.0			Reviewed By: Mukaram Mohammad		Date: 01/07/2024
Construction Process: Spray Sealing			Approved By: Angela Julianto		Date: 16/09/2024
Specifications: ZULU-BECA-001-SPC-00002 - Revision C04 (07 June 2024)					
Structure / Component: Bituminous Prime Coat					

Lot No:	Lot Details:	Lot size/Quantity:	Date:
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Item No.	Task/Activity Description	Inspection/Test					HP/ WP /AP/IP/ TP/SCP	Responsibility	Checked by:		
		Frequency	Acceptance Criteria	Reference Documents	Inspection/ Test Method	Record of conformity			Principal's Representative	Fulton Hogan	Date
1.0	Preliminary Activities										
1.1	Check for correct documentation	Prior to commencing works	Current revision of drawings, technical specifications, permits as required for excavation and any other construction documentation is being utilised by Fulton Hogan and subcontractors. Current revisions of these documents to be obtained via Aconex or ACC.	Current Revisions in Aconex or ACC	Verify	This ITP signed	HP*	Project / Site Engineer			
1.2	Implementation of all measures and controls	Prior to commencing works	All necessary measures and controls are being implemented, that is: PSP, EMP, TMP, SWMS & WMS	PSP, EMP, TMP, SWMS, WMS	Visual Inspection	This ITP signed	HP*	Project / Site Engineer			
1.3	Plant & Equipment Check	Prior to commencing works	The Contractor shall provide equipment for heating and uniformly applying the bituminous material and blotter material. The bitumen distributor shall comply with the requirements of NAS 70: 'Bitumen Sprayers'	Beca Spec 002 - 7.3	Verify	This ITP signed	HP*	Project / Site Engineer			
1.4	Weather Conditions	Prior to commencing works	Prime coat shall not be applied on a wet surface, or when the surface temperature is below 10°C, or when the weather conditions would prevent the proper application or adhesion of the prime coat	Beca Spec 002 - 7.9	Verify	This ITP signed	HP*	Project / Site Engineer			
2.0	Materials										

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2.1	Cut-back Bitumen	Prior to commencing works	Cut-back bitumen for prime coat shall comply with AS 2157 and shall be class AMC0, AMC00 or AMC1.	Beca Spec 002 – 7.4.1	Verify	This ITP signed	HP*	Project / Site Engineer				
2.2	Cutter	Prior to commencing works	The cutter for use in cutback bitumen shall be a suitable petroleum-based material complying with the requirement of AS 3569.	Beca Spec 002 – 7.4.4	Verify	This ITP signed	HP*	Project / Site Engineer				
2.3	Bitumen Emulsion	Prior to commencing works	If directed by the Principal's Representative, bitumen emulsion complying to AS 1160 shall be used as a prime coat.	Beca Spec 002 – 7.4.2	Verify	This ITP signed	HP*	Project / Site Engineer	BecaCPL-GCOR-001036			
2.4	Blinding Sand	Prior to commencing works	If required, blinding sand to be used for absorbing excess primer shall comply with the following PSD.	Beca Spec 002 – 7.4.5	Verify	Test Report	TP	Project / Site Engineer				
			AS Sieve Size (mm)									Percent Passing Sieve by Mass
			6.7									100
			4.75									85-100
			1.18									40-100
			0.425									10-50
0.075	0-5											
2.5	Test Certificates	Prior to commencing works	The Contractor shall submit a Test Certificate for each material proposed for use in the Works indicating compliance of those materials with the properties or requirements specified.	Beca Spec 002 – 7.11.2	Verify	This ITP Signed	HP	Project / Site Engineer Principal's Representative	BecaCPL-GCOR-000967			
3.0	Construction											

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3.1	Trial Application	Prior to commencing works	A trial application, to be conducted as part of permanent works, shall be conducted on an area of the Works agreed and witnessed by the Principal's Representative	Beca Spec 002 – 7.5	Visual inspection	This ITP signed	WP	Project / Site Engineer Principal's Representative			
3.2	Surface Preparation	Prior to commencing works	Immediately before applying the prime coat, the full width of the surface to be primed shall be swept to removal all loose dirt and material. The prepared surface is to be inspected by the Principal's Representative.	Beca Spec 002 – 7.6	Visual inspection	This ITP signed	HP	Project / Site Engineer Principal's Representative			
3.3	Application of Bituminous Material	During works	The prime coat shall be applied at a uniform rate and shall be between 1.0 and 1.4 litres/m². The depth of penetration shall be a minimum of 6mm and maximum of 10mm	Beca Spec 002 - 7.7.1	Visual inspection	This ITP signed	WP	Project / Site Engineer Principal's Representative			
3.4	Job Samples	During works	Samples of each bituminous material shall be obtained from the delivery vehicle at not less than one sample per 10,000 litres of bituminous material sprayed.	Beca Spec 002 – 7.11.3	Verify	This ITP signed	WP	Project / Site Engineer Principal's Representative			
3.5	Spray Rates	During works	The Contractor shall submit records of spray application rates at completion of each mobilisation	Beca Spec 002 - 7.11.4	Verify	This ITP Signed	HP	Project / Site Engineer Principal's Representative			

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.

Prepared By: Abdul Saad

Date: 01/07/2024

Date: 16/09/2024

Structure / Component: Bituminous Prime Coat

Date: / /

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
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 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			

Notes