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|  | **Inspection and Test Plan – Control and Supervision of the Works** | | | | **Doc ID:** FH-ZU2-QU-ITP020  **Rev:** 0 |
| **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:** 01/07/2024 |
| **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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| **Frequency** | **Acceptance Criteria** | | | | **Reference Documents** | **Inspection/ Test Method** | **Record of**  **conformity** | **Principal’s Representative** | **Fulton Hogan** | **Date** |
| 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 |  |  |  |
| 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 |  |  |  |
| **3.0** | **Construction** | | | | | | | | | | | | | |

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| **Item No.** | **Task/Activity Description** | **Inspection/Test** | | | | | **HP/ WP**  **/AP/IP/ TP/SCP** | **Responsibility** | **Checked by:** | | |
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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 |  |  |  |
| 3.5 | 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 |  |  |  |
| 3.6 | 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.

**Print Name:**

**Position:**

**Signature:**

**Date:**

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**Legend:**

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| **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**