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|  | **Inspection and Test Plan – Control and Supervision of the Works** | | | | **Doc ID:** FH-ZU2-QU-ITP019  **Rev:** 0 |
| **Principal’s:** Melbourne Airport (APAM) | | **Contract No:** CP14038 | | **Prepared By:** Abdul Saad | |
| **Project:** Taxiway Zulu 2.0 | | | **Reviewed By:** Mukaram Mohammad | | **Date:** 07/05/2024 |
| **Construction Process:** Spray Sealing | | | **Approved By:** Angela Julianto | | **Date:** 07/05/2024 |
| **Specifications:** ZULU-BECA-001-SPC-00002 - Revision C01 (06 September 2023) | | | | | |
| **Structure / Component:** Sprayed Bituminous Surfacing | | | | | |

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 | All equipment shall comply with VicRoads Section 408 and VicRoads Bituminous Sprayed Surfacing Manual. | Beca Spec 002 -  12.3 | Verify | This ITP signed | **HP\*** | Project / Site Engineer |  |  |  |
| **2.0** | **Materials** | | | | | | | | | | |
| 2.3 | Material Approval | Prior to Works | The binder used shall be class 170 residual bitumen complying with AS 2008.  All aggregates used shall comply with VicRoads section 801 and 831. Material and Test Reports to be submitted to the Principal’s Representative prior to commencement of works. | Beca Spec 002 -  12.6.1.1 to  12.6.1.3 | Verify | Test Reports  This ITP signed | **HP** | Project / Site Engineer  Principal’s Representative |  |  |  |

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| **Frequency** | **Acceptance Criteria** | **Reference Documents** | **Inspection / Test Method** | **Record of conformity** | **Principal’s Representative** | **Fulton Hogan** | **Date** |
| **3.0** | **Construction** | | | | | | | | | | |
| 3.1 | Underlying Surface | Prior to works | The pavement surface should be cleaned to remove all mud, carried on material, dirt and dust.  After cleaning the surface should be swept with a suction sweeper, supplemented by hand brooms where required. Seal coat should only be applied to a sound clean dry surface.  Preparation of the underlying surface shall be approved by the Principal’s Representative. | Beca Spec 002 -  12.4.1 to  12.4.5 | Verify | This ITP signed | **HP** | Project / Site Engineer  Principal’s Representative |  |  |  |
| 3.3 | Binder and Aggregate Application | During works | Application rates shall be:   * Binder: 0.8 – 1.0 L/m2 * Aggregate: 8 – 10 kg/m2 | Beca Spec 002 -  12.6.2 | Verify | This ITP signed | **IP** | Project / Site Engineer |  |  |  |
| 3.4 | Aggregate Spreading | During works | All aggregate spreading shall be undertaken using forward aggregate spreading and discharge plant. | VicRoads Section 408 –  408.13(e)  to 408.13(f) | Verify | This ITP signed | **IP** | Project / Site Engineer |  |  |  |
| 3.4 | Rolling of Aggregate | During Works | Rolling of aggregate shall be undertaken over the full width of the pavement being sealed. Works to be undertaken by static rubber tyred rollers or otherwise approved by the Principal’s Representative. | VicRoads Section 408 –  408.13(g) | Verify | This ITP signed | **IP** | Project / Site Engineer |  |  |  |

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| **Frequency** | **Acceptance Criteria** | **Reference Documents** | **Inspection / Test Method** | **Record of conformity** | **Principal’s Representative** | **Fulton Hogan** | **Date** |
| 3.5 | Removal of Loose Aggregate | During Works | At completion of sprayed seal treatment, the Contractor shall remove and dispose of all loose aggregate. | VicRoads Section 408 –  408.14 | Verify | This ITP signed | **IP** | Project / Site Engineer |  |  |  |

**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**