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|  | **Inspection and Test Plan - Control and Supervision of the Works** | | | | **Doc ID:** FH-ZU2-QU-ITP024  **Rev:** 1 | |
| **Client:** APAM (Melbourne Airport) | | **Contract No:** CP14038 | | **Prepared By:** Abdul Saad | | |
| **Project:** Taxiway Zulu 2.0 | | | **Reviewed By:** Angela Julianto | | | **Date:** 18/07/2024 |
| **Construction Process:** Linemarking | | | **Approved By:** Angela Julianto | | | **Date:** 18/07/2024 |
| **Specifications:** ZULU-BECA-001-SPC-00002 – Revision C04 (11 June 2024) | | | | | | |
| **Structure / Component:** Airfield Pavement Markings | | | | | | |

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| **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 conformit y** | **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. | Current revisions in Aconex | Visual inspection | This ITP Signed | IP | Project / Site Engineer |  |  |  |
| 1.2 | Linemarking Plan Approval | Prior to commencing works | A linemarking plan showing which lines are to be removed and which lines are to be applied needs to be approved by the Contract Administrator prior to commencement. | FH Internal | Aconex Correspondence | This ITP Signed | HP | Project Engineer  Principal’s Representative |  |  |  |
| 1.3 | 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, WMS, SWMS | Visual Inspection | This ITP Signed | IP | Project / Site Engineer |  |  |  |
| 1.3 | Plant and Equipment | Prior to commencing works | Plant and equipment used in the works are appropriate to achieve specification requirements. | Beca Spec 002  15.3 | Verify | This ITP Signed | IP | Project / Site Engineer |  |  |  |
| 1.4 | Materials | Prior to commencing works | The paint to be used shall be a premixed synthetic latex-based paint (such as WATTYL AIRPAVE or approved equivalent). | Beca Spec 002  15.4.1 | Aconex Correspondence | This ITP signed | **HP** | Project Engineer  Principal’s Representative | FHPL-TRANSMIT-001678 | |  |

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| 1.5 | Material Handling | Prior / During works | The paint Is to be packaged in 20 litre containers that are of durable construction without sharp edges. Paint containers are to be clearly labelled “Airport Pavement Marking Paint” as well as being labelled with the following: Manufacturer’s name, Colour, Batch number and Date. | Beca Spec 002  15.4.2 | Visual Inspection | This ITP signed | IP | Project / Site Engineer |  |  |  |
| 1.6 | Survey and setting out | Prior to commencing works | The Contractor shall carry out the setting out of the pavement Markings as shown on the drawings. This shall be approved by the Principal’s Representative. | Beca Spec 002  15.7 | Verify | This ITP Signed | **HP** | Project Engineer  Principal’s Representative |  |  |  |
| **2.0** | **Construction** | | | | | | | | | | |
| 2.1 | Removal of Existing Line Marking | Each Lot | Existing pavement markings, at the locations shown on the Drawings, shall be removed by water blasting or other approved means that is non-destructive to the existing pavement surface. | Beca Spec 002  15.5 | Verify | This ITP Signed | **HP** | Project / Site Engineer  Principal’s Representative |  |  |  |
| 2.2 | Surface preparation | Each Lot | The surface of the asphalt or concrete pavement in the areas to be painted shall be thoroughly cleaned prior to the application of the pavement marking paint. This shall be approved by the Principal’s Representative. | Beca Spec 002  15.6 | Visual Inspection | This ITP Signed | **HP** | Project / Site Engineer  Principal’s Representative |  |  |  |
| 2.3 | Weather Conditions | Each Lot | Pavement marking shall not proceed during wet weather or when the pavement surface is wet or when rain is likely or during high winds. | Beca Spec 002  15.10 | Verify & Visual Inspection | This ITP Signed | IP | Project / Site Engineer |  |  |  |

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| 2.4 | Application | Each Lot | The paint must be applied in two even coats to provide the required minimum total dry film thickness for the two different paints are:   * Dulux Roadmaster dry film thickness (210µm) * WATTYL Airpave dry film thickness (60µm).   The second coat is to be applied no less than three days following the initial coat. | Beca Spec 002  15.8 /  Manufacture rs Specs | Visual Inspection | This ITP Signed | IP | Project / Site Engineer |  |  |  |
| 2.5 | Application Rate and Conformity of Application | Each Lot | Daily records of paint usage and the area covered shall be maintained by the Contractor. | Beca Spec 002  15.12 | Verify | This ITP Signed / Daily Records | IP | Project / Site Engineer |  |  |  |
| **3.0** | **Post Construction** | | | | | | | | | | |
| 3.1 | Records | Each Lot | Finished pavement markings shall conform to the following tolerances:   * Location of pavement markings   ±10mm   * Width of any line or line forming an alpha/numeric symbol ±5mm * Length of any line and the spacing of broken lines ±50mm * Dimensions of any alpha/numeric symbol ±10mm | Beca Spec 002  15.9 | Verify | Survey | SCP | Project / Site Engineer |  |  |  |

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**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 a ccordance with the Project Quality Plan and conform in all respects with the requirements of the Contract.

**FULTON HOGAN SIGN OFF:**

**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 |  | | |

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**Notes:**