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|  | **Inspection and Test Plan - Control and Supervision of the Works** | **Document #**  **FHC-ITP-019**  Revision : 03 Date : 24/01/2023 |

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| **Client: Project:** | **Yarra Trams** | **Construction Process:**  ***Line/ Road Marking*** | Prepared by:  Name: **Jake Cardillo** | Reviewed by : Name: **Aaron Hatch** | Approved by : Name: **Shaun Kent** |
| **Job No:** |  | **Specifications:** Australian Standards, Vicroads Specifications |  |  |  |
|  |  | **Structure / Component:** Line Marking  **Location:** | Signed :  Date : 24/01/2023 | Signed :  Date : 24/01/2023 | Signed :  Date : 24/01/2023 |

**Lot No: Lot Details: Lot Size/ Quantity:**

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| **Item No.** | **Task/Activity Description** | **Inspection / Controls and Verification Detail** | | | | | **HP/ WP/ AP/ IP/ TP/ SCP** | **Responsibility**  Project Engineer Site Engineer Superintendent Surveyor Foreman | **Checked by:** | | | |
| **Frequency** | **Acceptance Criteria** | **Reference Documents** | **Inspection / Test Method** | **Record of conformity** | **Client** | **Fulton Hogan** | **FH's Sub- contractor** | **Date** |
| **1** | **Preliminary Works** | | | | | | | | | | | |
| 1.1 | Check for correct documentation | Prior to commencing any activity | Ensure that all employees and subcontractors are:  - using the correct and complete set of drawings  -all drawings are the latest revision | Drawings and drawing registers | Visual inspection | This ITP signed off | **WP** | Fulton Hogan Engineer | N/A |  | N/A |  |
| 1.2 | Implementation of all measures and controls | Prior to commencing any activity | All necessary measures and controls are being implemented, that is: PSP, EMP, TMP, JSEA, SWMS & WP | PSP, EMP, TMP, JSEA, SWMS, WP | Visual Inspection | This ITP signed off | **WP** | Fulton Hogan Engineer | N/A |  | N/A |  |
| **2** | **Construction Works** | | | | | | | | | | | |
| 2.1 | Setting Out | Prior to start | Set out work in accordance with drawings and in accordance with alignments, levels, grades, and sections | IFC Drawings | Visual Inspection | This ITP signed off | **IP** | Fulton Hogan Engineer | N/A |  | N/A |  |
| 2.2 | Position of Markings | Prior to application | Painting/ application of material shall not commence unitll the Superintenent has inpsected the setout and given approval to proceed, unless an exemeption is granted.  Works shall be set out as required in clause 721.A03, that is: the dimensions and colour of pavement markings shall conform to the VicRoads Traffic Engineering Manual Volume 2. | VicRoads Traffic Engineering Manual Volume 2,  Yarra Trams Drawing STD\_T9010, | Visual inspection | This ITP signed off | **HP** | Fulton Hogan Engineer & Superintendent |  |  | N/A |  |
| 2.3 | Tolerance of Pavement Markings | Each lot | The Contractor shall comply with tolerances outlined whereby the outer edge of the tram track clearance line marking shall be offset 0.9m from the running edge of the rail with a tolerance of  +50 mm to -25 mm as per IFC drawings. The distance between the centreline of the marking and the centreline of the set out mark shall be  <30 mm. | IFC Drawings VicRoads Sect 721 Table 721.A101(A) | Visual inspection | This ITP signed off | **IP** | Fulton Hogan Engineer |  |  | N/A |  |

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| **Frequency** | **Acceptance Criteria** | **Reference Documents** | **Inspection / Test Method** | **Record of conformity** | **Client** | **Fulton Hogan** | **FH's Sub- contractor** | **Date** |
| 2.4 | Raised Pavement Markings | Each lot | The Contractor shall comply with the tolerances and positionings as outlined in Table 721.A101(B) when installing raised pavement markings. | VicRoads Sect 721 Table 721.A101(B) | Visual inspection | This ITP signed off | **IP** | Fulton Hogan Engineer |  |  | N/A |  |

**Final Inspection**

The signature below verifies that this ITP has been completed in accordance with the FH’s Quality system Procedures and verifies lot compliance with specifications.

Print Name:

Position:

Signature:

Date:

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| ***Legend*** | | | | | |
| **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\*** | FH Hold Point | Work shall not proceed past the HP\* until released by FHDB | **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 |  | | |