**Inspection and Test Plan – Hot Mix Asphalt**

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| **Project no.** | | CC0371 | **Project name** | Parkville Urban Realm Works | | | **Date** |  | **Approved by** | |  |
| **ITP no.** | 3 | | **Revision date** | | 11/10/2022 | **Plant and equipment used** | | | |  | |
| **Lot no.** |  | | **Location (chainages, detailed description or marked up plan)** | | | | | | | Refer to attached lot map | |

Attach Dockets, Certificates and QA Documents to ITP

|  |  |  |  |  | **Verification of acceptance by** | | | | | **Remarks/record (eg. Test frequency reports, certificates, checklist etc)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Symal** | | | **CYP D&C JV** | |
| **Item no.** | **Activity** | **Ref docs** | **Acceptance criteria** | **Freq** | **Key** | **Resp** | **Initial/ date** | **Key** | **Sign/ date** |
| **1.0 Pre-start activities** | | | | | | | | | | | |
| **1.1** | Determine lot size |  | **What is the lot size?**  …………………………..m2  Maximum Lot Size = per days production | Each lot | S | **SE** |  |  |  | Lot map |
| **1.2** | Asphalt Mix Designs Approval and Compliance | VR Clause 407.05 to 407.10 | **Is the asphalt mix design considered “General” and does it conform with VicRoads Section 407? Has mix design been approved by CYP D&C JV?**  Yes  No  N/A | Each possession | H | SE |  | **H** |  | Mix Design Approval  Aconex Reference No\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **1.3** | Conformance of previous layer |  | **Has the previous layer passed acceptance criteria?**  Yes  No  N/A | Each lot | H | SE |  | **H** |  | Lot reference no: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **1.4** | Temperature conditions | VR Clause 407.13 | For intermediate and base courses surface to be above 5 degrees Celsius. For wearing course installation, surface to be greater then 10 degrees Celsius. **Has the above criteria been met?**  Yes  No  N/A | Each lot | H | SE |  | **H** |  |  |
| **1.5** | Existing pit levels | VR Clause 407.14 | **Have the existing pits been raised/lowered to meet the surface level of Asphalt?**  Yes  No  N/A | Each lot | H | SE |  |  |  |  |
| **2.0 Hot Mix Asphalt Installation** | | | | | | | | | | | |
| **2.1** | Commencement of Placing | VR Clause 407.18 | The placement of asphalt on the sub-base or granular base for a new pavement or for an overlay of an existing bituminous surfaced pavement shall not commence until approval to proceed is obtained from CYP D&C JV.  **Approval to proceed?**  Yes  No  N/A | Each lot | **H** | SE |  | **H** |  |  |
| **2.2** | Construction - Jointing | VR Clause 407.17 | All transverse joints shall be offset from layer to layer by at least 2 m.  Longitudinal joints in the wearing course shall coincide with the location of intended traffic lane lines.  Longitudinal joints in intermediate and base courses shall be offset from layer to layer by not less than 150 mm and shall be within 300 mm of the traffic lane line or the centre of traffic lane. Where new pavement abuts an existing full depth asphalt pavement, the existing pavement shall be removed in steps to achieve an offset from layer to layer of not less than 150 mm.  **Has all of the above been completed?**  Yes  No  N/A | Each lot | I | SE |  | **I** |  |  |
| **2.3** | Matching Existing Pavement Surface at Junctions | VR Clause 407.17 (d) | At junctions where the new asphalt mat is required to match the level of existing pavement surface at the limits of work, chases shall be cut into the existing pavement by cold planing as specified in Section 402.  **Does new Asphalt Layer match the existing pavement surface with chases cut?**  Yes  No  N/A | Each lot | I | SE |  |  |  |  |
| **2.4** | Paving and Compaction of Asphalt | VR Clause 407.20  IFC Drawings | Asphalt shall be spread in layers at the compacted thicknesses shown on the drawings or specified. Asphalt shall be uniformly compacted Compaction shall not commence until the asphalt has cooled sufficiently to support the rollers without undue displacement.  **Has all of the above been completed?**  Yes  No  N/A | Each lot | I | SE |  |  |  |  |
| **3.0 Completion and Compliance** | | | | | | | | | | | |
| **3.1** | Compaction Testing – Six Tests | VR Clause Table 407.221 | Thickness < 50 mm: 94.0% Characteristic Density Ratio  Thickness > 50mm: 96.0% Characteristic Density Ratio  **Has testing been completed and report received? Do results match requirements?**  Yes  No  N/A | Each lot | R | SE |  |  |  | **□** NATA Test Report: Compaction Tests |
| **3.2** | Finished Surface Levels | VR Clause 407.23  Table 407.231  Table 407.232 | The mean surface level and the variation in surface level for the base, intermediate and wearing courses within each lot shall meet the requirements (mean +/- 5mm, standard deviation 8mm)  Rectification of surface levels shall not commence until approval to proceed is obtained from the Superintendent.  **Is finished surface level acceptable and survey conformance report received?**  Yes  No  N/A | Each lot | H | SE |  | **H** |  | **□** Conformance Report (Finished surface level and thickness) |
| **3.3** | Finish Surface/Shape | VR Clause 407.23 (a)  IFC Drawings | Surface finish - Uniform in appearance, free of dragged areas, cracks, open textured patches, and roller marks.  Kerb & Channel - Flush or not more than 5mm above lip of channel  Shape – For intermediate and base course layers, the distance below the straight edge shall not exceed 6 mm and 10 mm, respectively.  Alignment - Where asphalt pavement is not placed against a concrete edging, the edge of asphalt layers shall not be more than 50 mm inside nor more than 100 mm outside.  Width - Where asphalt pavement is not placed against a concrete edging, the width of asphalt layers shall not be less than the design or specified width of layer by more than 50 mm or greater than the design or specified width by more than 100 mm.  **Have the above requirements been met and surface is acceptable?**  Yes  No  N/A | Each lot | R | SE |  |  |  | **□** Site photos |

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| **Works complete (signer SS)** | |  | | | **Date works complete** | |  | | | |
| **Lot conforms (signer PE)** |  | | **Date lot closed** |  | | **NCR/s no. raised** | |  | **Date NCR closed for this lot** |  |

**Responsibility (Resp.) Key**: **PM**-Project Manager, **PE**-Project Engineer, **SE**- Site Engineer, **CS**-Civil Superintendent, **SS**-Site Supervisor, **SV**-Surveyor, **CR**-Client Representative

**Inspection Key: W –** Witness, **H –** Hold Point, **S –** Surveillance, **R –** Review Point, **I –** Inspection Point