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| Lot No: | Lot Details: | Lot Qty: |

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| **Item No.** | **Task/Activity Description** | **Inspection / Test** | | | | **HP/ WP/ AP/ IP/**  **TP/ SCP** | **Responsibility** | **Comments** | **Checked by:** | | |
| **Frequency** | **Acceptance Criteria** | **Reference Documents** | **Inspection/ Test Method** | **BARS** | **Client** | **Date** |
| PRELIMINARY | | | | | | | | | | | |
| 1.1 | Dot approved mix registration letter | Prior to commencing works | HP missing: "All asphalt mixes proposed for use in the works shall have a mix design registered by Department of Transport as ‘General’, unless otherwise approved by the Department of Transport. The registration for all mixes incorporated into the works shall be current at the time of their use. The Contractor shall submit documentation to the Superintendent nominating the asphalt mixes to be supplied no less than 7 days prior to their use." | 407.09 | Verbal communication / inspection on site | HP | Engineer |  |  |  |  |
| 1.2 | Submission of RAP Management plan | Prior to commencing works | No asphalt containing RAP shall be supplied until the Department of Transport approved RAP Management Plan has been submitted at least 14 days prior to the asphalt works commencing and approval to proceed is given by the Superintendent.  Onetime sign off Hold Point - Not repeated | 407.13(f) | Verbal communication / inspection on site | HP | Engineer |  |  |  |  |
| 1.3 | Cold Temperature Requirement: Asphalt Plant Supply | Prior to commencing paving | If surface temperatures are likely to drop below DOT minimum pavement temperature requirements, Evotherm to be added to asphalt mix.  (See ‘Table 407.171 Minimum Pavement Temperatures Prior to Laying Asphalt’ at end of document). | Approval to Lay Asphalt | Verbal Communication n & Delivery Dockets | HP | Asphalt Supervisor/ Engineer |  |  |  |  |

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| 1.4 | Site Inspection and Base Condition | Prior to commencing paving | The surface on which asphalt is to be placed is essentially dry and free from puddles and defects (holes, cracks, unstable material, and edge irregularities) | 407.18  AS2150 10.1 | Visual Inspection | WP | Foreman/ Engineer |  |  |  |  |

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| PLACEMENT OF ASPHALT | | | | | | | | | | | |
| 2.1 | Ambient Conditions for Placing | Prior to commencing paving | The majority of the surface area to be paved has a temperature greater than or equal to those specified in Table 407.171.  Where approved by the Superintendent, placement of dense graded asphalt in layers 35 mm or greater may take place at pavement temperatures up to 5ºC below those specified in Table 407.171. | 407.17 | Infrared Thermometer | IP | Foreman/ Engineer |  |  |  |  |
| 2.2 | Cold Temperature Requirement: Site Inspection | Prior to commencing paving | Wind Speed is to be checked at the beginning of the shift. If speeds exceeds 30kmph the client is to be contacted and conditions assessed. | 407.17 | Anemometer | IP | Asphalt Supervisor/ Engineer |  |  |  |  |

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| 2.3 | Surface Preparation | Prior to commencing paving | The area to be paved is free of all loose and deleterious material | 407.18  AS2150 10.3 | Sweep Clean and Inspect | WP | Foreman/ Engineer |  |  |  |  |
| 2.4 | Tack Coat | Prior to commencing paving | Cationic Rapid Set Bitumen emulsion (60% bitumen) to be applied at an application rate of no less than 0.5l/m2. The applied rate is to be doubled on joints and chases. Tack coat must be allowed to turn from brown to black before paving.  The Contractor shall submit the details of the trackless tack coat proposed to be used in the works, as per 407.08d  The application rate for the tack coat shall be 0.15 to 0.30 L/m2 of residual bitumen (except for joints and chases where rates shall be doubled). | 407.19  AS2150 11  HP | Records | WP | Foreman/ Engineer |  |  |  |  |
| 2.5 | Planning of Joints | Prior to commencing paving | 1. Joints against a granular pavement', 'junctions at limits of work' and 'treatment of exposed edges against traffic' 2. Runs to be marked to ensure placement of joints satisfy the following unless otherwise approved by the Client: Transverse Joints Offset from layer to layer by at least 2m Longitudinal Joints Offset from layer to layer by at least 150mm and be within   300mm of the lane line or Centre of the lane. Wearing course shall be on lane lines. | 407.21d,e,f)  407.21 | Measure and mark out runs and submit Paving Plan to Client if requested | WP | Foreman/ Engineer |  |  |  |  |

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| 2.6 | Commencement of Placing | Prior to commencing Paving | 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 the consent to proceed is obtained from the Client. | 407.23 | Review ITP & Site Conditions | HP | Supervisor / VicRoads Superint endent |  |  |  |  |
| 2.7 | Delivery of Mix | Each load | Asphalt is not segregated; the binder is not separated or does not contain uncoated particles and the temperature from the mixing plant is not more than 175°C. Mix delivery temperature no lower than 135°C | 407.20 | Visual Inspection & Delivery Docket | WP | Tipman |  |  |  |  |
| 2.8 | Traceability | Each lot | Ability to locate asphalt test results placed in three dimensions. Cold weather records to be collected in addition to the ITP with hourly temperature and wind speed checks | BARS  Doc 5.2.05,  5.2.06 | Measure and Record on Daily Lot Record | IP | Foreman/ Engineer |  |  |  |  |
|  |  |  | Asphalt temperature is recorded in attached template | 407.17(a) |  |  |  |
| 2.9 | Layer Thickness and Level Control | Regularly during paving | The thickness of the asphalt layer conforms to asphalt thickness on drawings or specifications. To be checked at 10m to 20m intervals. | 407.25 (a)  & (b) | Dips | WP | Foreman / Level hands |  |  |  |  |
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| 2.10 | Paver Stoppages | If paver stops | A transverse joint shall be constructed if the asphalt in front of the screed cools to below 120°C | 407.25 (c) | Temp gun | WP | Foreman/ Engineer |  |  |  |  |
| 2.11 | Surface Finish of Wearing Course | During paving and after the final roll | (a) The finished surface of the asphalt wearing course shall be of uniform appearance, free of dragged areas, cracks, open- textured patches, and roller marks.  (b) The temperature of each load of asphalt must be checked at the completion of initial rolling. The minimum required temperature of 110°C | 407.29  (a)(i) | (a) Visual Inspection Temp gun | WP | Foreman/ Engineer |  |  |  |  |
| 2..12 | Kerb and Channel | During paving and  after the final roll | The edge of the wearing course shall be either flush with or not more than 5 mm above the lip of the channel unless otherwise specified | 407.29  (a)(ii) | Visual Inspection & Measurement | WP | Foreman/ Engineer |  |  |  |  |

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| 2.13 | Compaction | Per Lot  (6 shot test)  For lots greater than 2000m2  split into | Dense Grade Asphalt  For layers <50mm, if characteristic density ratio is: 95.0% or greater Accept lot  93.0% to 94.9% Lot may be accepted at a reduced rate For layers ≥50mm if characteristic thickness is: 96.0% or greater Accept lot  94.0% to 95.9% Lot may be accepted at a reduced rate  Stone Mastic Asphalt  For layers <50mm if characteristic density ratio is: 96.0% or | Table 407.271 | VicRoads Code of Practice  500.05 and  500.16 | TP | Laborato ry Technicia n |  |  |  |  |

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|  |  | two equal | greater Accept lot |  |  |  |  |  |  |  |  |
| sublots (ie | 93.0% to 95.9% Lot may be accepted at reduced rate | Table |
| firsts and last 50% of the lot laid). | Compaction reports are to be submitted to the Client to demonstrate conformance with these requirements.  For OGA Layers not less than 5 passes with a static steel- drum roller with a minimum overall mass of 6 tonnes | 404.141 |
| 2.14 | Open Road After Asphalt | Completion of paving asphalt | The Contractor shall not place traffic on the Finished Surface until the Superintendent has agreed the temperature of the asphalt is less than 50oC and is trafficable. | 404.14 | Temp gun | HP | Supervisor / VicRoads Superintendent |  |  |  |  |
| 2.15 | Level Conformance | Each Lot | The mean surface level and the variation in surface level for the base, intermediate and wearing courses within each lot shall meet the requirements as specified in 407.30 (b) | Table  407.292 and Table 407.293 | Survey Results | WP | Surveyor |  |  |  |  |

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| **FINAL INSPECTION: (HOLD PONT)** | This is to verify that the final inspection has been carried out in accordance with the B.A Roads Service’s Quality Procedures and Project Quality Plan and the product are hereby certified to confirm contract specifications:  **BA Road Services**  Print Name: Position: | |
| Signature: Date: |  |
|  |

Table 407.171: Minimum Pavement Temperatures Prior to Laying Asphalt

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| **Asphalt Type** | **Intermediate or Base**  **Courses** | **Wearing Course** |
| All asphalt with a specified binder class of C170 or C320 | 5°C | 10°C |
| All asphalt with a specified binder class of C600 or containing a PMB | 10°C | 15°C |