**Hayden Brett**

CTCR Pavement Construction

Created Fri, 06 Sep 2024, 7:38 AM (UTC+10)

**Subcontractor (If Applicable)**

**ITP Details:**

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| **Clent** | **Construction Process** | **Contract Number:** | **Speciﬁcations** | **Structure / Component** | **Prepared By** | **Reviewed By:** | **Approved By** |
| *Regional Roads Victoria* | **CTCR**  **Pavement Construction** |  | *Vicroads Speciﬁcation Section 173, 175, 205,* | *CTCR Pavements* |  |  |  |
|  |  | *210, 290, 304, 702 and*  *720, VR Code of Practice 500.2* |  |

**Project Location Lot No.**

**Lot details Lot size/qtys**

**Date** Start: - End: -

**Legend: Legend:**





1. **Preliminary Works**

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| **Task/Activity Description** | **Acceptance Criteria** | **Reference Documents** | **Method & Record of conformity** | **Responsibility** | **Signature 1** | **Signature 2** | **Comments** |
| **1.1** Delivery Vehicles  **Frequency**  Each Delivery Truck | Delivery vehicles shall have bodies ﬁtted with covers of a suitable material to prevent loss of moisture during transport. Vehicles used for delivery of material to the hoppers of pavers shall have bodies or discharge equipment which will enable the load to be discharged direct into the hopper without spillage and in such a way that segregation will be minimised. | Vicroads std sec 306.07 (a) | **Method**: Visual Inspection  **Record**: Delivery Truck Photos (2 Per Lot) | WP  SWA Site Supervisor/ Engineer |  |  |  |

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| **1.2** Delivery Dockets  **Frequency**  Each Delivery Truck | Delivery dockets shall show:   1. name of the supplier, and location of plant; 2. docket number; 3. name of user; 4. project name and location (or contract number); 5. registered number or ﬂeet number of the vehicle; 6. date and time of loading; 7. nature and source of material; 8. empty and loaded masses of the vehicle (where material is scheduled for measurement by mass); 9. loose volume in delivery vehicle. | Vicroads std sec 306.07 (b) | **Method**: Visual Inspection  **Record**: Delivery Dockets Photos (2 Per Lot) | WP  SWA Site Supervisor/ Engineer |  |  |  |

1. **Construction works**

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| **2.1** Transverse Joints  **Frequency**:Check prior to placing material | Material should be spread to minimize number of joints. Transverse joints shall be offset from one layer to next by not less than 2 metres | Vicroads std sec 306.08 (a, b, c) | **Method**: Visual Inspection  **Record**: Signed ITP & Staging Plan | IP  SWA Engineer Site Supervisor |  |  |  |
| **2.2** Longitudinal Joints  **Frequency**:Check prior to placing material | Material should be spread to minimize number of joints. Longitudinal joints offset from one layer to next by not less than 150mm. Longitudinal joints to be located within 300mm from planned traﬃc lane lines or within 300 mm of the centre of a traﬃc lane. | Vicroads std sec 304.08 (a, d, e) | **Method**: Visual Inspection  **Record**: Signed ITP & Staging Plan Photos | IP  SWA Engineer Site Supervisor |  |  |  |
| **2.3** Lot Size  **Frequency**:Check prior to placing material | A single lot shall be considered a single layer of 4000m2 or one day’s production in a single layer, whichever is lesser | VcRoads Std Specs 306.09 | **Method**: Daily Inspection  **Record**: Signed ITP | IP  SWA Engineer Site Supervisor |  |  |  |

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| **2.4** Layer Thickness  **Frequency**:Each Lot | The minimum compacted thickness shall be not less than 100mm and the maximum compacted thickness shall no more than 180mm and constructed within the tolerances speciﬁed in Clause 306.03 | VcRoads Std Specs 306.03 | **Method**: Visual Inspection  **Record**: Signed ITP | IP  SWA Engineer Site Supervisor |  |  |  |
| **2.5** Test Rolling  **Frequency**:Test roll each layer | No visible deformation or springing in presence of Superintendent's Rep. ( Cl 173) Plant to comply with requirements of Cl 173.03.  Pneumatic tyred plant nominated for test rolling procedures shall have a mass of not less than 20 tonne and shall have a ground contact pressure under either the front or rear wheels of not less than 450 kPa per tyre. | VcRoads Std Specs 173.03  173.03 (ii)  Table 306.091 | **Method**: Visual Inspection  **Record**: Signed ITP | IHP  SWA Engineer Site Supervisor **AP**  RRV Superintendent |  |  |  |

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| **2.6** Max. Working Time  **Frequency**:Test roll each layer | The cementitious treated subbase material shall be placed, trimmed to level and fully compacted within the maximum allowable working time speciﬁed in Table 306.091 depending on the binder type and the time of year the subbase is being placed. | VcRoads Std Specs 306.09 | **Method**: Visual Inspection  **Record**: Signed ITP | IHP  SWA Engineer Site Supervisor |  |  |  |

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| **2.7** Curing and Protection of Compacted Layer  **Frequency**:Test roll each layer | The minimum compacted thickness shall be not less than 100 mm and the maximum compacted thickness shall be no more than 180 mm and constructed within the tolerances speciﬁed in Clause 306.03.  (a) Pavement Design Modulus of 500 MPa or where no Pavement Design Modulus is Speciﬁed  The surface of each compacted layer shall be kept moist for a period of seven days unless covered at an earlier stage with the succeeding layer or with an approved curing membrane.  Construction or other traﬃc shall not use a compacted layer within 24 hours of placement without the approval of the Superintendent.  The subbase shall be kept in good order and condition and free from contamination. | VcRoads Std Specs 306.11 | **Method**: Visual Inspection  **Record**: Signed ITP | IP  SWA Engineer Site Supervisor |  |  |  |

1. **Testing Requirements**

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| **3.1** Determine Testing Scale & Initial testing frequency  **Frequency**:Prior to testing | Table 306.031 from  VicRoads Section 306 nominates the level of testing required for acceptance of Surface Level Measurement. Scale B - Initially test every lot as per Table  815.141 except where the most recent ten successive test results have met the speciﬁed requirements then the testing may be halved. | Vicroads std sec 306.031  815.14 & Table 815.141 | **Method**: Lot Register  **Record**: Signed ITP | TP  SWA Engineer |  |  |  |
| **3.2** Compaction Testing  **Frequency**:Each lot as required | The cementitious treated subbase material shall be placed, trimmed to level and fully compacted within the maximum allowable working time speciﬁed in Table 306.091 depending on the binder type and the time of year the subbase is being placed (May – Sep). For scale A requirements, the number of tests per lot shall be six. The lot will be accepted if the mean density ratio for the lot is not less than 96.0%. | Vicroads std sec 306.09 & Table 306.09, 306.09  (c) | **Method**: Compaction Testing External  **Record**: Signed ITP & Test Reports | TP  SWA Engineer  **AP**  RRV Superintendent |  |  |  |

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| **3.3** UCS  **Frequency**:Each lot as required | Assessment of the UCS during production shall be on a ‘rolling average’ basis where the average of the most recent three UCS test results shall not be less than the minimum value speciﬁed in  Table 821.081. (For rapid/slow setting cement the min UCS is 5 MPa for pavement  >500 or <3500.) | VcRoads Std Specs Table 821.081 | **Method**: Test Results  **Record**: Signed ITP & Test Reports | TP  SWA Engineer |  |  |  |
| **3.4** Atterberg Limits  **Frequency**:Each lot as required | The crushed concrete prior to the addition of cementitious binder shall comply with the requirements of Table 821.041  Liquid Limit % - 35 Plasticity Index (max) – 10  LA Value (max) - 40 | VcRoads Std Specs Table 821.041 | **Method**: Test Results  **Record**: Signed ITP & Test Reports | TP  SWA Engineer |  |  |  |
| **3.5** Moisture Content  **Frequency**:Each lot as required | The moisture content of the material at the time of spreading and compaction, expressed as a percentage by mass, shall be within plus 0.5% and minus  1.0 % from the Modiﬁed optimum moisture content. | VcRoads Std Specs 306.05 | **Method**: Test Results  **Record**: Signed ITP & Test Reports | TP  SWA Engineer |  |  |  |

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| **3.6** Cement Content  **Frequency**:Each lot as required | After mixing, the cementitious binder content of the mixture, expressed as a percentage by mass of the dry crushed rock, shall be within +/- 0.3% of the Design Cementitious Binder Content. | VcRoads Std Specs 815.10 | **Method**: Test Results  **Record**: Signed ITP & Test Reports | TP  SWA Engineer |  |  |  |
| **3.7** Grading  **Frequency**:Each lot as required | The product shall not extend outside the speciﬁed grading limits as per table 821.071 | VcRoads Std Specs Table 821.071 | **Method**: Test Results  **Record**: Signed ITP & Test Reports | TP  SWA Engineer |  |  |  |

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| **3.8** Survey Conformance  **Frequency**:Each lot as required | Layer to be ﬁnished to a smooth and uniform surface and after compaction shall conform within the following limits:  Shape: no point deviation > 8mm from 3m straight edge in any direction  Surface level tolerances:  Range x = +6, -12mm Max S = 13 mm  Min number of  measurement levels for Scale B requirements is 40 measurements per lot | VcRoads Std Specs  306.03 & Table 306.031,  306.032 | **Method**: Survey Report  **Record**: Signed ITP & Survey Reports | SCP  SWA Engineer  **AP**  RRV Superintendent |  |  |  |

**Final Inspection Notes**

**Photo and video**

**Project Team signature** Not signed yet.

**Photo and video**

**Final Inspection Notes**

**Client Signature** Not signed yet.