

Inspection and test plan – Crushed Rock Pavement Construction

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| **Project no.** | CC0399 | **Project name** | MREH BESS | **Date** | **SGJV Approval** |
| **ITP no.** | CC0399-ITP-005 | **Revision date** | 15.01.2024 | **Plant and equipment used** | Excavator, Tandems, Rollers, Watercart, Posi-Track |
| **Lot no.** |  | **Location (chainages, detailed description or marked up plan)** | | | See lot map attached. |

Attach Dockets, Certificates and QA Documents to ITP

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|  | | | | | | **Verification of acceptance by** | | | | | | | **Remarks/record (e.g. Test frequency**  **reports, certificates, checklist etc.)** |
| **Symal** | | | | | **SGJV** | |
| **Item no.** | **Activity** | **Ref docs** | **Acceptance criteria** | **Acceptance** | **Freq** | **Key** | **Resp** | | **Initial/ date** | | **Key** | **Sign/ date** |  |
| **1.0 Pre-start activities** | | | | | | | | | | | | | |
| **1.1** | **Determine Lot Size** | N/A | What is the lot size? | m2  Maximum lot size = See pre-approved lot maps | N/A | S | | SE | |  | S |  | * Work Lot Map |
| **1.2** | **Survey Setout** | IFC  Drawings | Has the work area been set out for line and level? | Yes ☐ No ☐ N/A   * ​ | Prior to start of  Works | W | | SE | |  | S |  | * Photo |
| **1.3** | **Material Classification & Source** | MRH/00/P/0 0- PM/SPC/00  03 rev 3  page 55 | Is the correct material being used? | Yes ☐ No ☐ N/A  ☐  Please tick appropriate Box:  Site Won ☐ 20mm Class 2 ☐ 20mm Class 3 ☐ 20mm Class 4 ☐ | Prior to start of Works | W | | SE | |  | H |  |  Test Report/Material certificate |

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|  |  |  |  | Other |  |  | |  | |  | |  |  | |  |
| **2.0 Previous pavement conformance** | | | | | | | | | | | | | | | |
| **2.1** | **Conformance of Previous Layer** | MRH/A0/B/0 0- CV/DWG00 40 | Has the previous layer passed acceptance criteria? | Yes ☐ No ☐ N/A  ☐ | Each Lot | W | SE | |  | | S | | |  |  Refer to ITP for previous layer |
| **3.0 Placement of pavement** | | | | | | | | | | | | | | | |
| **3.1** | **Placement** | IFC  Drawings MRH/A0/B/0 0- CV/DWG00 40 | Has the fill been placed in a maximum compacted layer as outlined below?  Maximum Layer Depth: 200mm | Yes ☐ No ☐ N/A  ☐ | Each Lot | S | SE | |  | | S | | |  | * Photo |
| **3.2** | **Moisture** | MRH/A0/B/0 0- CV/DWG00 40 | Has the material maintained at optimum moisture content (>85%), with additional water being added if required during compaction? | Yes ☐ No ☐ N/A   * ​ | Each Lot | S | SE | |  | | S | | |  | * Photo |
| **3.3** | **Compaction** | IFC  Drawings MRH/A0/B/0 0- CV/DWG00 40 | Has the layer been adequately compacted achieving a mean value density ratio of:   * **Lower Subbase:** 98% Std * **Upper Subbase:** 95% Mod   3 x tests to be conducted per compacted layer per approved lot map. | Yes ☐ No ☐ N/A  ☐ | Each Lot | W | SE | |  | | S | | |  | * Compaction test results |
| **3.4** | **Test Rolling** | MRH/A0/B/0 0- CV/DWG00 40 | Does the layer withstand test rolling without visible deformation of springing?  List attendees: | Yes ☐ No ☐ N/A   * ​   If ‘no’, please see sections 3.5 and 3.6. If ‘yes’, proceed to section 4.0. | Each Lot | W | SE | |  | | H | | |  | * Photo |

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| **3.5** | **Identification of soft, wet or unstable material** | N/A | What quantity of soft, wet or unstable material is  present? | m | As required |  | SE |  | S |  | * Photo |
| **3.6** | **Treatment of unsuitable material** | IFC  Drawings | Has rectification process been submitted for review?  What was the rectification process used? | Yes ☐ No ☐ N/A   * ​   Process Used: | As required | S | SE |  | S |  | * Photo |
| **4.0 Pavement conformance** | | | | | | | | | | | |
| **4.1** | **Pavement Finish** | IFC  Drawings | Has the pavement course been finished to a smooth and uniform surface? | Yes ☐ No ☐ N/A  ☐ | Once | W | SE |  | S |  | * Photo |
| **4.2** | **Width & Alignment** | IFC  Drawings | Has the pavement been constructed at the correct width and alignment as detailed in the construction  drawings? | Yes ☐ No ☐ N/A   * ​ | Each Lot | W | SE |  | S |  | * Photo |
| **4.3** | **Surface Level of Pavement Courses** | IFC  Drawings | Has the prepared layer been surveyed in accordance with and verifying specified requirements?  **All crushed rock layers:** | Yes ☐ No ☐ N/A   * ​ | Each Lot | H | SE |  | H |  | * As-Built Reports |
|  |  |  | Mean Range: +10mm to - 10mm |  |  |  |  |  |  |

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| **Works complete (signer SS)** | **Date works complete** | |  |
| **Lot conforms (signer SE)** | **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, S**V**-Surveyor, **CR**-Client Representative

**Inspection Key : W –** Witness, **H –** Hold Point, **S -** Surveillance