**Inspection and test plan – Asphalt**

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| **Project no.** | | **CC0394** | **Project name** | Rangebank 200MW BESS | | **Date** | **11/07/2023** | | **RJE Approval** |  |
| **ITP no.** | CC0394 - ITP-012 | | **Revision date** | 11/07/2023 | **Plant and equipment used** | | | Posi-Track, Tandems, Paver, Rollers | | |
| **Lot no.** |  | | **Location (chainages, detailed description or marked up plan)** | | | | |  | | |

Attach Dockets, Certificates and QA Documents to ITP

|  |  |  |  |  | **Verification of acceptance by** | | | | | **Remarks/record (e.g. Test frequency reports, certificates, checklist etc.)** |
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|  |  |  |  |  | **Symal** | | | **RJE Ltd.** | |
| **Item no.** | **Activity** | **Ref docs** | **Acceptance criteria** | **Acceptance** | **Key** | **Resp** | **Initial/ date** | **Key** | **Sign/ date** |
| **1.1** | **Determine Lot Size** | IFC Drawings | Maximum Lot Size = 4000m2 | See Work Lot Map  Yes  No  N/A |  | SE |  |  |  | Work Lot Map |
| **1.2** | **Survey Set-out** | IFC Drawings | Prior to the commencement of works, the contractor shall engage a suitably qualified surveyor to set out the works and clearly mark its limits. | Yes  No  N/A | W | SE |  |  |  |  |
| **1.3** | **Approved Material Type** | IFC Drawings | Asphalt types specified within IFC Drawings. | 40mm wearing course size 10mm Type H (C320) Asphalt 7mm Cationic rapid setting (CSR) emulsified primerseal (C170); or primer AMCO | H | SE |  |  |  |  |
| **2.1** | **Storage of Asphalt** |  | Asphalt mix has not been stored in a hot bin for more than 18 hours prior to use. | Yes  No  N/A | S | SE |  |  |  |  |
| **2.2** | **Conditions for Placing** |  | Surface on which asphalt is to be placed is dry, free from surface water & has a surface temperature >10⁰C | Yes  No  N/A | S | SE |  |  |  |  |
| **2.3** | **Commencement of Placing** | IFC Drawings | Crushed rock surface to be primed prior to placement of asphalt. | Yes  No  N/A | S | SE |  |  |  |  |
| **2.4** | **Spreading** | IFC Drawings | All asphalt shall be spread with an asphalt paver except for small areas where use of a paver is not practicable.  All asphalt shall be spread to form a uniformly smooth asphalt mat without segregation, tearing or gouging. | Yes  No  N/A | S | SE |  |  |  | As-Built Attached |
| **2.5** | **Joints & Junctions** |  | If the paver is required to stop & asphalt in front of the screed cools to below 120⁰C, a transverse joint shall be constructed.  Longitudinal joints in the wearing course shall be parallel to the traffic lanes. | Yes  No  N/A | S | SE |  |  |  |  |
| **2.6** | **Surface Finish** | IFC Drawings | The finished surface of asphalt wearing course shall be of uniform appearance, free of dragged areas, cracks, open textured patches & roller marks.  Where asphalt is placed against kerb, the surface at the edge of the wearing course shall be either flush with or not more than 5mm above the lip of the channel.  No point on the finished surface of the wearing course shall lie more than 4mm below a 3m straight edge laid either parallel to the centreline. | Yes  No  N/A | S | SE |  |  |  |  |
| **3.1** | **Compaction Testing** | IFC Drawings | Testing to be undertaken in accordance with XXX | Yes  No  N/A | H | SE |  |  |  | Testing Attached |
| **3.2** | **As-Builts** | IFC Drawings | Measurements have been taken randomly throughout the lot & are within tolerance.  Scale B:   * Measurements: 40 * Mean: ±8mm * SD: 10mm | Yes  No  N/A | H | SE |  |  |  | Survey Attached |

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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