|  |  |
| --- | --- |
|  |  |
| **Annexure MRTS07B.1 (July 2020)** |
| **Insitu Stabilised Pavements using Cement or Cementitious Blends** |
|  |
| **Specific Contract Requirements** |
|  |
| **Contract Number**  |  |
|  |
| Note: | Clause references within brackets in this Annexure refer to Clauses in the parent Technical Specification MRTS07B unless otherwise noted. |

Part A – Completed by Principal as part of brief

|  |
| --- |
| Quality system requirements (Clause 5.4)Lot sizes |
|  | The following maximum lot sizes shall apply to work covered by this Technical Specification. |
| Construction Activity | Maximum Lot Size |
| Default lot sizes are provided in Appendix A of MRTS07B. This table should only be used where it is proposed to vary these requirements on a project specific basis. |  |

|  |
| --- |
| Testing frequenciesAdditional material for shape correction and new material to replace unsuitable material |
|  | The following minimum testing frequencies for unbound pavement material source and product testing shall apply. |
| Property | Test Method | Normal Testing Level | Reduced Testing Level |
| Default testing frequencies are provided in Appendix A of MRTS07B. This table should only be used where it is proposed to vary these requirements on a project specific basis. |  |

|  |
| --- |
| Construction standards and geometrics |
|  | The following minimum construction standard and geometric testing shall apply. |
| Property | Test Method | Normal Testing Level | Reduced Testing Level |
| Default testing frequencies are provided in Appendix A of MRTS07B. This table should only be filled in where it is proposed to vary these requirements on a project specific basis. |  |

|  |
| --- |
| New material to replace material not suitable for stabilisation (Clause 6.1) |
|  | Any material required to be incorporated into the stabilised layer shall be unbound granular material that complies with the following requirements and/or standards. |
|  |  |

|  |
| --- |
| Additional material for shape correction (Clause 6.2) |
|  | Any additional material required to be incorporated into the stabilised layer shall comply with the following requirements and/or standards. |
|  |  |
|  |

|  |
| --- |
| Removal and disposal of material not suitable for stabilisation (Clause 8.7.1) |
|  | Notwithstanding the requirements of Clause 8.7.1, the following material shall also be removed and disposed of. |
|  |  |

|  |
| --- |
| Minimum requirements and minimum numbers of particular plant (Clauses 8.7.5 and 8.7.15) |
|  | The following minimum requirements and minimum numbers of particular plant shall be on Site at all times during stabilisation works. |
| Description | Minimum Requirement | Minimum Number of Units |
| Reclaimer/stabiliser |  |  |
| Calibrated, integrated spreader / reclaimer/stabiliser |  |  |
| Stabiliser |  |  |
| Purpose-built calibrated spreader |  |  |
| Vibrating pad foot roller |  |  |
| Vibrating smooth drum roller |  |  |
| Multi-tyre roller |  |  |
| Water truck |  |  |
| Grader |  |  |

|  |
| --- |
| GeometricsPrimary tolerance (Clause 8.8.4.2.1) |
|  | The primary tolerance on a stabilised layer shall be as stated below. |
| Alternative A(-5 and + 10 mm) | Alternative B(-5 and + 15 mm) | Alternative C(Thickness only) |
|  |  |  |
| If no tolerance is given, Alternative B (-5 and +15 mm) shall apply. |

|  |
| --- |
| Deviation from a straightedgeApplication (Clause 8.8.4.4.2) |
|  | Deviation from a straightedge tolerance shall apply. | Yes |  | No |  |
| If no indication is given, deviation from straightedge shall apply. |

### Deviation limits (Clause 8.8.4.4.2)

|  |  |
| --- | --- |
|  | The maximum deviation from a straightedge on a layer shall be as stated below. |
| Alternative D(5 mm) | Alternative E(8 mm) | Alternative F(15 mm) |
|  |  |  |
| If no limit is given, Alternative D (5 mm) shall apply. |

|  |
| --- |
| Crossfall (Clause 8.8.4.4.3) |
|  | A crossfall tolerance shall apply. | Yes |  | No |  |
|  | If no indication is given, crossfall tolerance shall apply. |

|  |
| --- |
| Road roughness (surface evenness) (Clause 8.8.4.4.4)Application |
|  | A surface evenness tolerance shall apply. | Yes |  | No |  |
| If no indication is given, surface evenness tolerance shall apply. |

|  |
| --- |
| Specified count rate |
|  | The specified road roughness value (Rs). |  |  | m/km |
|  | If no value is given, the specified road roughness value shall not exceed 1.94 m/km. |

|  |
| --- |
| Surface finish (Clause 8.8.5) |
|  | Ball penetration test shall apply. | Yes |  | No |  |
|  | If no indication is given, ball penetration test shall apply for stabilised layers that are to be covered by a sprayed bituminous treatment. |
| Proof rolling of stabilised layers (Clause 9.8.2) |
|  | The proof rolling test shall apply. | Yes |  | No |  |
|  | If no indication is given, the proof rolling test shall apply. |

Part B – Part B to be completed by the:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Principal |  | Designer under the Contract |

|  |
| --- |
| Specific treatments (Clauses 6.3, 8.1, 8.4, 8.5.1, 8.5.2, 8.5.3, 8.7.7, 8.8.1.1, 8.8.4.1.1 and 8.8.4.2.1) |
|  | The specific treatment(s) for work under this Contract shall be as stated below. Refer to Transport and Main Roads Materials Testing Manual, Part 2 – Application, *Section 3 – Testing of Materials for Insitu Cement or Cementitious Blend Stabilisation* for guidance on the mix design. |
| Reference location |  |  |  |  |  |
| Course location |  |  |  |  |  |
| Design depth (mm) |  |  |  |  |  |
| Type of stabilising agent |  |  |  |  |  |
| Blend ratio (cementitious blends only) |  |  |  |  |  |
| Estimated stabilising agent content (%, by mass) †1 |  |  |  |  |  |
| Specified spread rate (kg/m²) |  |  |  |  |  |
| Construction process †2 |  |  |  |  |  |
| Maximum time between spreading of the stabilising agent and mixing of stabilising agent into insitu material (minutes) †3 |  |  |  |  |  |
| Maximum allowable working time †4 |  |  |  |  |  |
| †1 Estimated stabilising agent content shall be based on hydrated lime (where lime is nominated in the cementitious blend).†2 Product standard or process requirement (Clause 8.5.2 and 8.5.3). If no indication is given, product standard shall apply.†3 If no time is given, it shall be 30 minutes.†4 If no time is given, it shall be 2 hours. |
|  Datum (Clause 8.1) |
|  | The datum for the measurement of the design depth is given below. |
|  | Refer to MRTS07B Figure 8.7.9 |

|  |
| --- |
|  Supplementary requirements (Clause 10) |
|  | The following supplementary requirements shall apply. |
|  |  |