| **INSPECTION AND TEST PLAN FOR:**  **Linemarking** |
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| Activity No.# | Description | Requirements / Reference | Acceptance Criteria |  |
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| 1 | **Safety Review** | Project Safety Plan | * All site personnel inducted (includes environment and cultural) * Required Safe Work Method Statements completed and signed * Subcontractor’s safety plan/procedure approved |  |
| 2 | **Environment** | Project Environment Plan | * Installation of soil erosion and sedimentation controls completed in accordance with Soil and Water Specs. * Air quality to be visually monitored for dust etc. as a direct result of construction activities. |  |
| 3 | **Removal of Redundant Markings** | WCC 1192 Cl.1.4 | * Remove or mask immediately before or after placement of new markings. * Make sure the surface is clean, undamaged with surface texture, reflectivity characteristics and colour comparable to the adjacent pavement surface. * For temporary masking use black non-reflective masking tapes with skid resistance properties. * Methods of application: Submit method of application of materials and methods to protect the work from premature trafficking. * Removal of redundant markings: Submit details of method for removing redundant pavement markings, at least 24 hours before the removal of markings. **(HP)** | * (Hold point) |
| 4 | **Permanent Pavement Marking Tape Samples** | WCC 1191 Cl.1.6 | * If marking tape is required, submit samples and product details at least 5 days prior to material ordering and delivery. **(HP)** | * (Hold point) |
| 5 | **Type Tests and Material Properties** | WCC 1191 Cl.1.6 | * Road pavement marking: For longitudinal lines, conform to the following: * White and/or yellow road marking paint * White and/or yellow thermoplastic or cold applied plastic material * For waterborne paint: To AS 4049.3 * Solvent-borne paint: Do not use without prior approval, conform to AS 4049.1. * Anti-skid pavement markings: Angular, polishing resistant particles which provide skid resistance. Apply anti-skid media, if the skid resistance on the existing is less than 45 BPN or equivalent.   + Colour: compatible with marking colour   + Transverse lines and other markings: 0.4 to 0.7 mm   + For longitudinal linemarking: 0 to 2.0mm   + Anti-skid material application rate: Minimum 0.20 k/m2. * Thermoplastic material: To AS 4049.2 For Non-profile thermoplastic pavement marking material:   + Longitudinal line markings: Sprayed or extruded thermoplastics applied uniformly.   + Transverse lines and other markings: If required, screed thermoplastic material using a mobile applicator and templates to control the pattern – Thickness: 3mm ± 1mm. * Two-part cold applied plastic pavement marking material: Measured at 23°C and to AS 1580.401.8   + For trowel or screed applied material (containing intermix glass beads): Maximum 20 minutes for 2.0 ± 0.25 mm applied film thickness.   + For spray material (not containing glass beads): Maximum 5 minutes for 0.200 ± 0.025 mm applied film thickness.   + Longitudinal line marking: Sprayed material   + Application rates for two-part cold applied pavement materials and glass beads table:  | Material | Longitudinal linemarking | Transverse lines and other markings | | | --- | --- | --- | --- | | Sprayed application | Trowelled, screeded or extruded | Sprayed | | Cold applied material thickness (excluding surface applied beads) | 0.5 ± 0.05 mm (wet) | 2.0 ± 0.2 mm (dry) | 1.00 ± 0.1 mm (wet) | | Completed marking thickness | - | - | 2.0 ± 0.2 mm | | Surface applied glass beads\*: |  |  |  | | * Type (AS/NZS 2009) | Type D-HR (adhesive coated) | Type B | Type B | | * Rate retained in the painted surface | ≥ 400 g/m2 | ≥ 300 g/m2 | ≥ 300 g/m2 | | Anti-skid material | ≥ 200 g/m2 | ≥ 200 g/m2 | ≥ 200 g/m2 | | \* Glass beads coated with a compatible coupling agent for an improved adhesive bond with thermoplastic or two-part cold applied road marking material. | | | |  * Reflective glass beads: To AS/NZS 2009   + Bead type: B-HR, C-HR or D-HR   + Incorporate glass beads in thermoplastic material in the proportion of a minimum 20% of total mass   + Type B glass beads rate: Minimum 0.30 kg/m2   + Type D-HR glass beads: Minimum 0.50kg/m2 * Raised Pavement Markers: Reflective and non-reflective markers to AS/NZS 1906.3   + Hot melt bitumen adhesive to wearing surface   + Sampling: To AS/NZS 1960.3   + Application: To the manufacturer’s recommendations.   + Removal: If required, remove to the manufacturer’s recommendations. * Material properties: Submit test reports from a registered laboratory verifying material property conformance, including for paint, glass beads, raised pavement markers and thermoplastic material. **(HP)** * Test currency: Not older than 3 years. * Quality verification: If material/product quality verification can be obtained from the supplier, documented tests need not be repeated. | * (Hold point) |
| 6 | **Setting Out** | WCC 1192 3.2 | * Setting out: Completion of pavement marking set-out, at least 5 days prior to marking application. **(HP)** | * (Hold point) |
| 7 | **Surface Preparation** | WCC 1192 3.2 | * Surface preparation: Completes surface preparation, before applying pavement markings, at least 1 day prior to marking application. **(HP)** | * (Hold point) |
| 8 | **Completion Inspection** | WCC 1192 3.2 | * Completion: Completed pavement marking, at least 1 day before inspection. **(HP)** | * (Hold point) |