| **Item**  **No.** | **Task/Activity Description** | **Inspection/Test** | | | | | **Type** | **Responsibility** | **Checked/Verified by (initial/Date)** | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Frequency** | **Acceptance Criteria** | **Reference Documents** | **Inspection/ Test Method** | **Record of conformity** | **TfNSW** | **Fulton Hogan** | **PV** | **Date** | |
| **1** | **Preliminary** | | | | | | | | | | | | |
| 2 | Underlying lot conformance (if applicable)  Lot No: …….. | Each lot | Underlying lots conform to applicable specifications | Previous  Lot Record |  | Lot conformance | R | Site Engineer |  |  |  |  | |
| 3 | Check if traffic controls are in place | Per Area | * Road Occupancy License Obtained if required; * Pedestrian and vehicular public traffic control planning measures established | G10.2.4 |  | Approved TCP | IP | Site Engineer |  |  |  |  | |
| 4 | Painting Contractor Certification | Per Contractor | * Works carried out by organisation that is accredited to the “Painting Contractors Certification Program”. | R145.1.4 |  | Certification | IP | Site Engineer |  |  |  |  | |
| 5 | Verify type of marking material as shown in drawings  Waterborne paint  thermoplastic paint  Others ……………………… | Per Lot | * On concrete surfaces in the main carriageway and all local road – waterborne paint * Asphalt surface on the main carriageway – thermoplastic paint * Type as per relevant design drawings & R145 appendices * provide the TfNSW representative a list of material proposed for use and limitation to be used | R145.1.4  R145.2.1  AS 4049.3  AS 4049.2  3359  3360 |  | Verification Checklist | IP | Site Engineer |  |  |  |  | |
| 6 | Verify the reflective glass beads conform to specs requirements | Per Material | (APAS) Specification APS0042  Clause 6.2 “Heavy metal content”. Obtain evidence of compliance. | R145.2.4 |  | Verification Checklist | IP | Site Engineer |  |  |  |  | |
| 7 | Verify conformance of raised pavement markers & Adhesive | Per Material | * Use only retroreflective raised pavement markers prequalified by the TfNSW. Prequalified retroreflective raised pavement markers are listed in ATD 2015/01 * For new installation and complete replacement works, all markers must be identifiable for at least twelve months after the initial installation. * For the adhesive provide a certificate of compliance verifying that the product complies with the specification, together with the results of the relevant tests. | R142.2.1  3354.7 |  | Verification Test Certificate | IP | Site Engineer |  |  |  |  | |
| 8 | Sampling and Testing Plan | Per Contractor | Submit to PV contractors proposed sampling plan for assessing the pavement marking | R145.5 |  | Sampling Plan | IP |  |  |  |  |  | |
| **9** | **Application** | | | | | | | | | | | | |
| 10 | Prepare the Surface for marking | Per Lot | * The area to be marked is dry free of dirt, gravel, flaking and other loose foreign material * The area around making area is also clean to avoid tracking into the marking area * Curing compound on marking areas of concrete pavements is removed by grinding or blasting. * Surface is compatible to the new line marking materials. | R145.3.1 |  | Verification Checklist | IP | Site Engineer |  |  |  | |  |
| 11 | Set out the works for installation of pavement markings / raised markers | Per Lot | Notification made to the Project Verifier that the setting out to pavement markings and markers have been done in according with the design drawings | R145.3.4 |  | Hold Point | HP | Site Engineer |  | PV |  | |  |
| 12 | Supervise the application of pavement marking / markers | Per Lot | * Paints and markers installed as per manufacturer’s recommendations * The same materials used with those nominated in the certifications * All longitudinal lines have been applied by the nominated machine unless approved by Independent Verifier * Markings are straight or with smooth, even curves where intended * Edges are clean sharp cut off * Markings uniform in appearance, texture, width & thickness & free from unbeaded areas * Beads uniformly applied onto the material immediately after it has been applied to the pavement & while the material is still molten * Retention of bead material is achieved * Markings are neat & free from traffic damage or other defects * Arrows/markings painted at correct direction * Marking protected from traffic until hardened * Makers installed at the designated locations | R145.3.2.2  R145.3.4  R145.3.6  R145.4  R142.3  R142.4 |  | Verification Checklist | IP | Site Engineer |  |  |  | |  |
| 13 | Field test of the paint performance. | As Per Sampling Plan | * Thickness of non-profile marking≤6mm * Dry Retroreflectivity: min.250 mcd/lux/m2 up to 20 days after opening to traffic. * Wet Retroreflectivity: min.80 mcd/lux/m2 * Skid resistance: min. 40BPN * Colour change: min.3 * Luminance factor: ≥S 2500-N * Wear: ≤70% | R145.4  R145.5  AS 4049.5 |  | Test Report | TP | Site Engineer |  |  |  | |  |

**Legend:**

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| --- | --- | --- | --- | --- | --- |
| **HP** | Hold Point | Work shall not proceed past the HP until released by the Project Verifier | **IP** | Inspection point | Formal Inspection to be done and recorded |
| **HP\*** | FH Hold Point | Work shall not proceed past the HP\* until released by Fulton Hogan | **TP** | Test Point | Product compliance test to be undertaken and recorded/reported |
| **WP** | Witness Point | An inspection which must be witnessed by the Project Verifier | **SCP** | Survey conformance point | A qualified surveyor to check product/section/structure and report |
| **AP** | Approval Point | Written or verbal approval given by the Project Verifier | **SC** | Survey Check | |
| **R** | Review |  |  |  | |

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| **Notes** |  |