

When undertaking construction work during subdivision and development, the applicant is required to engage with the FRA to undertake inspection at the various stages. It is recommended that the inspection be arranged at least 24 hours in advance to allow FRA to schedule the inspection within its daily work.

**Note: The FRA will require copies of approved plans and their conditions to be forwarded to the FRA before any inspections can be undertaken. All test results submitted to FRA should be from an accredited lab.**

| Inspections schedules recommended but not limited to: |   | FOR OFFICIAL USE ONLY |
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| 1   | <b>Commencement of work</b> – site clearing<br><input type="checkbox"/> Recommend for a stakeholder meeting   |                       |
| 2   | <b>Setting out of Traffic Management Plan</b> in accordance to Section 164 of the FRA Roadworks Specifications.<br><input type="checkbox"/> Corridor Access Request be sort if the public access is affected  |                       |
| 3   | <b>Material Test</b> to be submitted shall be from an Accredited Laboratory and verified the FRA.   |                       |
| 4   | <b>Drainage Works</b> - Contractor/Consultant shall ensure Compliance checks are done in accordance to Section 501, Section 502, Section 503 and Section 504 of the FRA Road Works Standards & Specifications. Section 602 shall also be referenced for any Road Opening for Underground Services and Management of Utilities.  |                       |
| 5   | <b>Sub-grade Inspection</b> – Make provisions for proof roll & NDM test (probe method) in presence of the FRA inspector. Cross fall & Dipping audit.<br><input type="checkbox"/> Fill in the Request for Inspection Form for Inspection by FRA<br><br><b>Tests Required</b><br><input type="checkbox"/> Maximum Dry Density<br><input type="checkbox"/> California Bearing Ratio (CBR)<br><input type="checkbox"/> Plasticity Index   |                       |
| 6   | <b>Sub-Base Inspection</b> – Make provisions for proof roll & NDM test (probe method) in presence of the FRA inspector. Cross fall & Dipping audit.<br><br>Contractor/Consultant shall ensure Compliance checks are done in accordance to Section 301 and Section 302 of the FRA Road Works Standards & Specifications. Section 304 and Section 305 shall also be referenced should the design of pavement require stabilisation.<br><br><input type="checkbox"/> Fill in the Request for Inspection Form for Inspection by FRA<br><br><b>Material Test Required (AP 65)</b> – Submit for FRA approval<br><input type="checkbox"/> Crushing Resistance<br><input type="checkbox"/> Maximum Dry Density<br><input type="checkbox"/> California Bearing Ratio<br><input type="checkbox"/> Particle Size Distribution<br><input type="checkbox"/> Plasticity Index<br><input type="checkbox"/> Flakiness Index<br><input type="checkbox"/> Los Angeles Abrasion<br><input type="checkbox"/> Density and Water Absorption<br><input type="checkbox"/> Sand Equivalent<br><br><b>Compaction Test Results Required (NDM)</b><br><input type="checkbox"/> Maximum Dry Density<br><input type="checkbox"/> Optimum Water Content<br><input type="checkbox"/> Field Density<br><input type="checkbox"/> Deflection Testing (if required) |                       |

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| <p>7</p> | <p><b>Base surface</b> for priming – Make provisions for proof roll &amp; NDM test (probe method) in presence of the FRA inspector. Cross fall &amp; Dipping audit.</p> <p>Contractor/Consultant shall ensure Compliance checks are done in accordance to Section 301 and Section 302 of the FRA Road Works Standards &amp; Specifications. Section 304 and Section 305 shall also be referenced should the design of pavement require stabilisation.</p> <p><input type="checkbox"/> Fill in the Request for Inspection Form for Inspection by FRA</p> <p><b>Material Test Required (AP 40) – Submit for FRA approval</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Crushing Resistance</li> <li><input type="checkbox"/> Maximum Dry Density</li> <li><input type="checkbox"/> California Bearing Ratio</li> <li><input type="checkbox"/> Particle Size Distribution</li> <li><input type="checkbox"/> Plasticity Index</li> <li><input type="checkbox"/> Flakiness Index</li> <li><input type="checkbox"/> Los Angeles Abrasion</li> <li><input type="checkbox"/> Density and Water Absorption</li> <li><input type="checkbox"/> Sand Equivalent</li> </ul> <p><b>Compaction Test Results Required (NDM)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Maximum Dry Density</li> <li><input type="checkbox"/> Optimum Water Content</li> <li><input type="checkbox"/> Field Density</li> <li><input type="checkbox"/> Deflection Testing (if required)</li> </ul> |  |
| <p>8</p> | <p><b>Proceed to priming or primersealing</b> of the base in compliance to Section 402 of the FRA Road Works Standards &amp; Specifications. Unless otherwise specified, sprayed seal treatments shall be designed in accordance with Austroads Guide to Pavement Technology – Part 4K Selection and Design of Sprayed Seals (2018 or latest version).</p>  |  |
| <p>9</p> | <p><b>Chip Seal - Sealing Coat</b> be applied on a primed surface upon a period of at least 48 hours or upon the primer is completely dry.</p> <p>Contractor/Consultant shall ensure Compliance checks are done in accordance to Section 401 and Section 402 of the FRA Road Works Standards &amp; Specifications. Unless otherwise specified, sprayed seal treatments shall be designed in accordance with Austroads Guide to Pavement Technology – Part 4K Selection and Design of Sprayed Seals (2018 or latest version).</p> <p><input type="checkbox"/> Contractor to provide the seal design</p> <p><b>Material Test Required for the respective Chip sizes to be used</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Los Angeles Abrasion</li> <li><input type="checkbox"/> Chip - Size</li> <li><input type="checkbox"/> Chip - ALD / AGD</li> <li><input type="checkbox"/> Chip - Broken Faces</li> <li><input type="checkbox"/> Chip – Cleanliness Value</li> <li><input type="checkbox"/> Crushing Resistance</li> <li><input type="checkbox"/> Bitumen</li> <li><input type="checkbox"/> The sealing chips to be pre-coated if the cleanliness value does not comply as per NZS 4407 test 3.9</li> </ul>   |  |

**Inspections schedules recommended but not limited to:**

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| <p>10</p> | <p><b>Asphaltic Concrete</b> – Asphalt seal be applied on a primersealed surface. Contractor/Consultant shall ensure Compliance checks are done in accordance to Section 404 of the FRA Road Works Standards &amp; Specifications. Section 403 shall also be considered if there are sections of the road that will connect from existing to new.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Contractor to provide the Job Mix Formula (JMF)</li> </ul> <p>Material Test Required for the respective Chip sizes to be used</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Plasticity Index (Crusher fines)</li> <li><input type="checkbox"/> Los Angeles Abrasion</li> <li><input type="checkbox"/> Grading Analysis - individual aggregates</li> <li><input type="checkbox"/> Grade Compliance</li> <li><input type="checkbox"/> Extraction Test</li> <li><input type="checkbox"/> Grading of Extracted Aggregates</li> <li><input type="checkbox"/> Field Density</li> <li><input type="checkbox"/> AC Temperature</li> <li><input type="checkbox"/> Coring as required by FRA</li> </ul>  |  |
| <p>11</p> | <p><b>Concrete Works</b> – including Headwalls, Retaining Walls, Culverts, Kerbs, Footpath &amp; Drainage works. Contractor/Consultant shall ensure Compliance checks are done in accordance to Section 601, Section 602, Section 603, Section 604, Section 605 and Section 606 of the FRA Road Works Standards &amp; Specifications. Section 607 shall also be referenced for Retaining Walls such as Gabions and Rock Mattresses. Section 609 shall be referenced for Concrete Base and Lean Mix Concrete Subbase.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Fill in the Request for Inspection Form for Inspection by FRA prior to concrete pouring</li> <li><input type="checkbox"/> Contractor to provide the Job Mix Formula (JMF) and methodology for if the mix is not from a recognised supplier.</li> </ul> <p><b>Test Required</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Slum</li> <li><input type="checkbox"/> Crushing</li> </ul>   |  |
| <p>12</p> | <p><b>Streetlights</b> – Energy Fiji Limited (EFL) approval be sort prior to commencement of any works and streetlight pole foundation works.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Fill in the Request for Inspection Form for Inspection by FRA</li> </ul> <p><b>Required for approval</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Streetlight cable route diagram</li> <li><input type="checkbox"/> Trenching details</li> <li><input type="checkbox"/> Pole or Outreach Arm specifications</li> <li><input type="checkbox"/> LED streetlight specifications with warranty certificates</li> <li><input type="checkbox"/> Streetlight Simulation (if required)</li> <li><input type="checkbox"/> Streetlight Switchboard Diagram</li> <li><input type="checkbox"/> Streetlight Switchboard Wiring Diagram</li> <li><input type="checkbox"/> Streetlight pole pocket and junction box wiring diagram</li> <li><input type="checkbox"/> Streetlight Pole Numbering Scheme to be submitted for approval for standalone poles.</li> <li><input type="checkbox"/> FRA inspectors be invited to inspect the pole foundations, trenches and installation works during construction.</li> </ul> |  |

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|   | <b>Required upon Installation</b><br><input type="checkbox"/> Cherry Picker, Pole Pocket Key & Switch Board Key for inspection<br><input type="checkbox"/> Compliance Certificate from EFL<br><input type="checkbox"/> As-built drawings<br><input type="checkbox"/> Transfer of the Streetlight Warranty prior to issuance of the Compliance Certificate<br><input type="checkbox"/> The EFL Meters be transferred to FRA upon completion of the Defects Liability Period (DLP) |                       |
| 13  | <b>Traffic Signs and Markings</b> – to be installed or applied as per the FRA standards and the approved Engineering Drawings. Contractor/Consultant shall ensure Compliance checks are done in accordance to Section 701, Section 702, Section 703, Section 704 and Section 705 of the FRA Road Works Standards & Specifications.   |                       |
| 14  | Submission of request for Compliance refer to Form D   |                       |

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Date of Inspection: \_\_\_\_\_ FRA File Ref: \_\_\_\_\_  
 Time of Inspection: \_\_\_\_\_  
 Officer: \_\_\_\_\_ Signature: \_\_\_\_\_

Comments:

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