| Higgii | | | | | | | | | | | | | | | | | | |
|------------------------------|--|---|---|--|--|--------------------|--|---------------------------|--------------|----------|-----------------|---------|-----------------------------|---------------------------------------|-------------------|---------------------------------------|------------------------------|---------------------------------------|
| Project Client | SH 2- RS 258- RP 10970 - 11390 & 11 Waka Kotahi NZTA | 1750- 12500 - Gun Shop Hill | | | | | | | | | | | | | | ITP No.: Revision : | | |
| Description of Work | Pavement Rehabilitation, 150mm thick | kness TN7 M/4 AP40 aggregati | e overlav material modified | with 1 5% cement to 200mm de | nth | | | | | | | | | | | Revision . | 0 | |
| Prepared By | Liju Mathew | mess me my m no apprepar | e overlay material, mounted | Approved By | Ruan Potgieter | | | | | | | | | | | Date: | 17/07/2023 | |
| Current Version: | BOPE Sharepoint Frosts F PI AN (ITP) | | | | | | | | | | | | | | | | | |
| NOT LOTION AND TEC | Task Description | Controlling Documents | Acceptance Criteria | | Inspection or Test | | Verifying | Inspec | tion / Test | Authorit | y Hold Point | Witness | Quality Controller Sign Off | Date | Engineer Sign-off | Date | Compliance Manager Sign off | Date |
| Operation or Task Category | | Controlling Documents | Acceptance ontone | Method | | I | Document | | S, C, E or S | | Point | t Point | Quality contains org. on | | | 34.0 | Compliance manager eight ein | |
| | (e.g. procurement, temp works, construction activities) | (e.g. list specifications & clause, drawing) | (e.g. slump value, cylinder strength, etc.) | (e.g. visual inspection, slump test) | Frequency | Responsible Person | (e.g. test result, pour record, material approval) | Conduct | Witness | Record | Y/N | Y/N | Name / Signature | Date All Records verified complete | Name / Signature | Date All Records verified complete | Name / Signature | Date All Records verified complete |
| I. Procurement | Design | | | | | | | | | | | | | | | | | |
| | Geometric Design | Austroads Guide to Road Design Part 3: Geometric Design, TNZ State Highway Geometric Design Manual | Principal Approval | Contractor and Principal peer review | per design revision | | | C or S | | C E | ≣ Y | | | | | | | |
| | Pavement Treatment Design | Austroads Guide to Pavement Technology, New Zealand Guide to Pavement Evaluation and Treatment Design:2018 (Version 1.2) | Principal Approval | Contractor and Principal peer review | per design | | Approvals Register - SH30 Frosts - Pavement Rehabilitation Design Report | C or S | | C E | Y | | | | | | | |
| | Materials: GAP 65 Pre-treatment Material | NZS 4407:2015, WSP Rotorua | | | | | Sampling | | | | $\overline{}$ | | | | | | | |
| | Aggregate Sampling Source Property Test | Sampling Guide CBR - BOPE NOC Contract Documents Maintenance Specification Section 2.5.3 | Soaked CBR ≥ 40 | Soaked CBR test (NZS:4407:2015:3.15) | | Supervisor | Worksheet Test Report | C or S Sp or C or S | Sp | or S E | | - | | | | | | |
| | Production Property Test | Sand Equivalent - BOPE NOC Contract Documents Maintenance Specification Section 2.5.3 | | Sand Equivalent Test (NZS:4407:2015, | | Supervisor | Test Report | Sp or C or S | Sp | or S E | E Y | | | | | | | |
| | Materials: M/4 AP40 Basecourse Material | | | | | | I | | | + | | | | 1 | | | | |
| | Aggregate Sampling | NZS 4407:2015, WSP Rotorua Sampling Guide | | | | | Sampling Worksheet | | | | | | | | | | | |
| | | Crushing Resistance (3.3.1) - TNZ M/4: 2006, NZS 4407: 1991 Test 3.10 (The Crushing Resistance Test) | less than 10% fines passing 2.36mm sieve size under a load of 130kN | Curshing Resistance Test (NZS 4407:1991, Test 3.10) | One test for every 10,000m³ of source material | Quality Controller | Test Report | Sp or C or S | Sp | or S E | E Y | | | | | | | |
| Pre-construction tasks. e.g. | Source Property Test | Weathering Quality Index (3.3.2) - TNZ M/4: 2006, NZS 4407: 1991, Test 3.11 (Weathering Quality Index Test) | AA, AB, AC, BA, BB or CA | Weathering Quality Index Test (NZS 4407: 1991, Test 3.11) | One test for every 10,000m³ of source material | Quality Controller | Test Report | Sp or C or S | Sp | or S E | E Y | | | | | | | |
| approval of materials | | California Bearing Ratio (3.3.3) - TNZ M/4: 2006, NZS 4402: 1986 Test 4.1.3, NZS 4407: 1991 Test 3.15 (California Bearing Ratio Test) | Soaked CBR ≥ 80% | California Bearing Ratio Test (NZS 4407: 1991, Test 3.15) after being compacted according to Vibrating Hammer Compaction Test at OWC (NZS 4402: 1986, Test 4.1.3) | One test for every 10,000m³ of source material | Quality Controller | Test Report | Sp or C or S | Sp | or S E | E Y | | | | | | | |
| | Describe Describe Texts | Sand Equivalent (4.2.1.1) - TNZ M/4: 2006, NZS 4407: 1991 Test 3.6 or Clay Index (4.2.1.2) - TNZ M/4: 2006, NZS 4407: 1991, Test 3.5 or Plasticity Index (4.2.1.3) - TNZ M/4: 2006, NZS 4407: 1991 Test 3.4 | Sand Equivalent ≥40; or Clay Index ≤3; or Plasticity Index ≤5 | Sand Equivalent Test (NZS:4407:2015, 3.6); or Clay Index Test (NZS:4407: 1991, 3.5); or Plasticity Index Test (NZS 4407:1991, 3.4) | 2 Samples required as per Table 1, Production Property Test Sampling (4.1) - TNZ M/4: 2006 | Quality Controller | Test Report | Sp or C or S | Sp | or S E | E Y | | | | | | | |
| | Production Property Test | Broken Face Content (4.2.2) - TNZ M/4: 2006, NZ5:4407: 1991 Test 3.14 | Broken Face Content ≥70% between 37.5mm and 4.75mm sieve and ≥2 broken faces | Broken Face Test (NZS:4407: 1991, Test 3.4) | 2 Samples required as per Table 1, Production Property Test Sampling (4.1) - TNZ M/4: 2006 | Quality Controller | Test Report | Sp or C or S | Sp | or S E | Y | | | | | | | |
| | | Particle Size Distribution (4.2.3) - TNZ M/4: 2006, NZS 4407: 1991 Test 3.8.1 (Wet Sieving Test) | Particle size distribution as per Table 2 and Table 3, 4.2.3 Particle Size Distribution | Wet Sieving Test (NZS 4407: 1991, Test 3.8.1) | 2 Samples required as per Table 1, Production Property Test Sampling (4.1) - TNZ M/4: 2006 | Quality Controller | Test Report | Sp or C or S | Sp | or S E | Y | | | | | | | |
| | Materials: Cement Stabilising Agent Selection Materials: Water | Cement (4.1.2) - TNZ B/5: 2008 | GP | Visual inspection of supplier docket | per truck load | Quality Controller | Supplier Docket Supplier Cert | Sp or S | Sp | or S (| 2 Y | | | | | | | |
| | Water draw for stabilising | Water (5.0.0) - TNZ B/5: 2008 | Free from impurities justified by use of municipal water supply | Visual inspection of hydrant use form | per truck load | Quality Controller | Hydrant use form | Sp or S | Sp | or S | Y | | | | | | | |
| | Materials: Geotextile Geotextile (Strength Class C) A29 or greater Materials: Geogrid | TNZ F7 Specification | Details on Docket | Visual inspection | Per Delivery | Quality Controller | MDS | Sp or S | Sp | or S (| C Y | | | | | | | |
| | Geogrid Triaxial Tx160 or similar equivalent | As per NZTA list of approved materials/suppliers | Details on Docket | Visual inspection | Per Delivery | Quality Controller | MDS | Sp or S | Sp | or S C | Y | | | | | | | |
| 2. Pre-Implementation | Production Testing of stabilised material - OMC/MDD | TNZ B/5 section 7.5 & 7.7.1 | To obtain OMC & MDD | NZS 4402, test 4.1.3, New Zealand vibrating hammer compaction test. | Once on commencement and then each stablilised layer at one test per 5000m2 | Quality Controller | Test report | С | С | | | Y | | | | | | |

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| INSPECTION AND TEST | PLAN (ITP) | | | | | | | | | | | | | | | | | | |
|---------------------------------|--|---|---|---|---|--------------------------------|---|---------|------------|-----------|---------|---------------|---------|--------------------|---------------------------------------|-------------------|---------------------------------------|-----------------------------|------------------------------------|
| | Task Description | Controlling Documents | Acceptance Criteria | | Inspection or Test | | Verifying Document | Inspe | ection / 1 | Test Auth | hority | Hold Point | d Witne | | Date | Engineer Sign-off | Date | Compliance Manager Sign off | Date |
| Operation or Task Category | (e.g. procurement, temp works, construction activities) | (e.g. list specifications & clause, drawing) | (e.g. slump value, cylinder strength, etc.) | Method (e.g. visual inspection, slump test) | Frequency | Responsible Person | (e.g. test result, pour record, material approval) | onduct | S, C, E | E or Sp | pproval | Y/N | I Y/N | N Name / Signature | Date All Records verified complete | Name / Signature | Date All Records verified complete | Name / Signature | Date All Records verified complete |
| | Production Testing of stabilised material - Solid Density | TNZ B/5 section 7.7 | For info. and use in MDD calculation | NZS 4407; test 3.7.1 | Once on commencement and if any materials chage | Quality Controller | Test report | С | C | С | < | | Y | | | | | | |
| | Project survey setting out | Reference from Project Drawings | | Survey/Mobile Roads, Marks with Dazzle | Chainages for every different pavement sections | Subcontractor/ Engineer | Construction drawings | С | | С | | Y | | | | | | | |
| | Records Management (i.e. it is known what documented records are to be kept) | ITP and QMP state what quality documentation is required | Filled in and Signed ITP | Visual inspection, recording and approval | As per hold points in collaboration with the programme | Quality Controller | ITP and all referenced documents | С | | С | Е | Y | | | | | | | |
| 3. Construction - Pre-treatment | | | | | | | | | | | | | | | | | | | |
| | Pre-treatment Repair Method Selection | Site specifics to be confirmed | Confirm scala acceptance criteria based on treatment type | Scala Penetrometer on Excavation Floor | As required | Quality Controller | Agreed treatment plan | s | С | s | E | Y | | | | | | | |
| | Excavation floor drainage | Higgins SOP 0128 - Digout Repair | 4-8% toward edge of seal | Digital level | As required | Quality Controller | Dig out QA form | s | С | s | С | | Y | | | | | | |
| Construction phase - Digouts | Subgrade material hardness Check base of excavation | Higgins SOP 0128 - Digout Repair | Scala > 3 blows per 100mm | Scala Penetrometer test on base of digout | As required depending on size of digout | Quality Controller | Test report | S/C | С | S/C | Е | Y | | | | | | | |
| , - | Geotextile (Strength Class C = A29) Layer beneath treatment layer | TNZ F7 Specification | Meet TNZ F7 Spec. | Visual inspection | Per Delivery | Quality Controller | Certificate of conformance | Sp or S | | С | С | | Y | | | | | | |
| | Geogrid Triaxial Tx160 or similar equivalent | As per NZTA list of approved materials/suppliers | On the list of approved materials/suppliers | Visual inspection | Per Delivery | Quality Controller | Certificate of conformance | Sp or S | | С | С | | Y | | | | | | |
| | Place and compact GAP65 in digout area | Higgins SOP 0128 - Digout Repair | Clegg > 45 | Clegg Test | Min. 2 per digout | Quality Controller | Test report | S/C | С | S/C | E | Υ | | | | | | | |
| 4. Construction - Granular make | e up and In-situ Modification | | 1 | | | | | | | | | | | | | | | | |
| | Place M/4 AP40 Basecourse Material | TNZ B/5 (section 7) | Evenly spread, no segregation, placed near optimium moisture content | Visual Inspection | On completion of placement | Quality Controller | Photographs and Daily Site Record | S or C | | S or C | С | | Y | | | | | | |
| | Spreading of Cement | Spreading of Cement (7.3) - TNZ B/5: 2008 | Within ± 0.5 kg/m² of the specified rate and within ± 2.5% of the specified rate | Mat test (1m² canvas) and Average Usage Test | per 400m² and upon emptying the spreader | Quality Controller | Mat Test Form and truck dockets | S or Sp | | s | E | Y | | | | | | | |
| | Addition of Water | Addition of Water (7.5) - TNZ B/5: 2008 | 90-100% OWC | Nuclear Densometer Testing prior to Stabilisation | ≥1 per 1000m² lot | Quality Controller | NDM Record | s | | Ø | С | | Y | | | | | | |
| | Cut Depth | Control of cut depth (7.6.1) - TNZ B/5: 2008 | -5mm and +15mm of design stab depth | Physical Measure and Visual Record | ≥1 per 200m of cut length | Quality Controller | Photographs and Daily Site Record | s | | s | С | | Y | | | | | | |
| | Longitudinal Joints | Overlap on longitudinal joints (7.6.2) - TNZ B/5: 2008 | The greater of 100m or 50% of layer thickness | Visual Record | per sucessive cut | Quality Controller | Photographs, Daily Site Record and Stabilising Plan | s | | s | С | | Y | | | | | | |
| | Continuity of Layer | Continuity of stabilised layer (7.6.3) - TNZ B/5: 2008 | Longitudinal overlap 1m for cement, 5m for bituminous stabilising agents | Visual Record | per sucessive cut | Quality Controller | Photographs, Daily Site Record and Stabilising Plan | | | S | С | | Y | | | | | | |
| Construction phase - Rehab | Stabilised Material Particle Size | Particle size distribution of stabilised material (7.6.4) - TNZ B/5: 2008 | No excessive breakdown of stabilised material | Visual Record | within 20m of each section and then regularly based on material variability | Quality Controller | Photographs | S or C | | S or C | С | | Y | | | | | | |
| | Establish Compaction Methodology - type of plant, number and speed of passes | Higgins 'Interim Pavement Layer Compaction Guide' - Technical Note, Compaction (7.7) - TNZ B/5: 2008 | To establish type of plant, number and speed of passes to achieve MDD | Plateau Density Testing | 1 time, or additional tests when material changes visually | Supervisor | Test record | С | | C | С | | Y | | | | | | |
| | Establish Compaction Target | Higgins 'Interim Pavement Layer Compaction Guide' - Technical Note, Compaction (7.7) - TNZ B/5: 2008, Acceptance criteria for stabilised pavement layer compaction (7.7.1) - TNZ B/5: 2008 | To provide MDD for NDM testing | Plateau Density Testing | Minimum once per Lot. A lot shall not exceed 1000 m2. | Quality Controller | Test Record | С | | С | E | | Y | | | | | | |
| | Degree of Compaction | Higgins 'Interim Pavement Layer Compaction Guide' - Technical Note, Compaction (7.7) - TNZ B/5: | To provide MDD for NDM testing | Laboratory MDD at OMC NZS 4402 test 4.1.3. | Minimum once per Lot. A lot shall not exceed 5000 m2. | Quality Controller | Test Record | С | | С | С | | Y | | | | | | |
| | MDD to obtain target for NDM testing | 2008, Acceptance criteria for stabilised pavement layer compaction (7.7.1) - TNZ B/5: 2008 | Formally agree with the Engineer the MDD target, based on review of the lab. MDD and the site plateau test | Plateau Density Testing Lab. MDD | At commencement of construction and whenever materials change | Quality Controller Engineer | Notice to Contractor/ Notice to Engineer | С | | С | E | Y | | | | | | | |
| | Compaction Acceptance | Acceptance criteria for stabilised pavement layer compaction (7.7.1) and Table 5 - TNZ B/5: 2008, Acceptance criteria for pavement layer compaction (7.6) - TNZ B/2: 2005 | Mean value ≥ 98% and Minimum Value ≥ 95% | Nuclear Densometer Testing | ≥ 5 tests per 1000m² lot | Quality Controller | NDM Record | S or C | | S or C | С | Y | | | | | | | |

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| INSPECTION AND TEST | PLAN (ITP) | | | | | | | | | | | | | | | | | | |
|--|--|--|---|---|---|---|---|---------|------------|--------------------------|----------|---------------|----------------------|--|---------------------------------------|-------------------|------------------------------------|-----------------------------|------------------------------------|
| | Task Description | Controlling Documents | Acceptance Criteria | iteria Inspection or Test | | | Verifying Document | Insp | ection / 1 | Test Aut | thority | Hold Point | Witness Point | ness pint Quality Controller Sign Off | Date | Engineer Sign-off | Date | Compliance Manager Sign off | Date |
| Operation or Task Category | (e.g. procurement, temp works, construction activities) | (e.g. list specifications & clause, drawing) | (e.g. slump value, cylinder strength, etc.) | Method (e.g. visual inspection, slump test) | Frequency | Responsible Person | (e.g. test result, pour record, material approval) | Sonduct | S, C, I | Produce Record Second | Approval | Y/N | Y/N Name / Signature | Name / Signature | Date All Records verified complete | Name / Signature | Date All Records verified complete | Name / Signature | Date All Records verified complete |
| | Control Testing (if required) | Control testing during and after construction (7.7.2) - TNZ B/5: 2008 | Nil | Vibrating Hammer Compaction Tes at OWC (NZS 4402: 1986, Test 4.1.3) | t when agreed with the Engineer | Quality Controller | Test Report | S or C | | S or C | E | | | | | | | | |
| | Surface Smoothness | Surface shape (7.8) - TNZ B/5: 2008 | ± 10mm deviation along a 3m straight edge No water ponding | 3m Straight Edge | during construction and prior to seal | Supervisor | Photographs | S | | S | E | Y | | | | | | | |
| | Surface Shape | Surface shape (7.8) - TNZ B/5: 2008 | Between -5mm and +15mm | String lines or Survey Asbuilt | during construction and prior to seal | Supervisor | String Sheet/Survey Asbuilts | s | | S | E | Y | | | | | | | |
| Final Testing, Inspection and Acceptance | Cross Fall | Crossfall (7.9) - TNZ B/5: 2008 | 0.5% ≤ X ≤ -0.5% | 3m straight edge or Survey Asbuilt | during construction and prior to seal | Supervisor | Cross Fall Records/Survey Asbuilts | S | С | s | E | Y | | | | | | | |
| · | Surface Finish | Surface finish (7.10) - TNZ B/5: 2008 | Tightly bound matrix post sweep | Visual inpsection | prior to seal | Supervisor | Pre-seal inspection sheet | С | C and E | CorS | E | Y | | | | | | | |
| | Degree of Saturation, DOS | Pre-sealing requirements (7.12) TNZ B/5: 2008, Pre-sealing requirements (9) - TNZ B/2 Notes: 2005 | ≤80%, however 65% is ideal | Nuclear Densometer Testing | ≥5 tests per 1000m² lot | Quality Controller | NDM Record | С | E | s | E | Y | | | | | | | |
| | Roughness (NAASRA) | NZTA Maintainence specification section 6.1.2 | For chipseal or non structural AC surfacing; No 100m moving average shall exceed 2.9 lane IRI.qc m/km 75 NAASRA counts/km | NZTA Maintainence specification section 6.1.2 | Average of three replica runs for each lane reported at 20m intervals. | Quality Controller | Test Records | С | E | s | E | Y | | | | | | | |
| 5. Chip Sealing | | | | | | | | | | | | | | | | | | | |
| 5.1. Procurement | Chipseal Resurfacing | T | T | T | 1 | 1 | 1 | | | | | | | T | 1 1 | | 1 1 | | |
| | Binder - Penetration Grade | TNZ M/1 | Table 1 | Property Test | Annual 1/100,000 litres supplied | Bitumen Supplier/ Surfacing Project Manager | | С | | С | N | | Y | | | | | | |
| | Binder - Polymer Modified Emulsion | Higgins Internal Specification | % PMB Required, PH, Residue by Evaporation, Viscosity | Property Test | | | | С | | С | N | | Y | | | | | | |
| Pre-construction tasks. e.g. approval of materials | Source Property -Coarse Aggregate - Crushing Resistance | TNZ M6, | <10% fines under 230kN minimum | Sample Test - Crushing Resistance NZS 4407 Test 3.10 | 1 test per 10.000m³ or 1 test per annum | | | С | | С | N | Y | | | | | | | |
| | Source Property -Coarse Aggregate - Weathering Resistance | RNZ 9805:2009 | AA or BA | Weathering Quality Index NZS 4407 Test 3.10 | less than 10,000m³ produced per annum | | IANZ Report's | С | | С | N | Y | | | | | | | |
| | Source Property - Skid Resistance | NZTA T/10 | Meet Skid performance Requirement | Aggregate Perfomance Method TNZ T/10 section 12.3 | Each Site | | PARE REPORTS | С | | С | N | Y | | | | | | | |
| | Production Property - Cleaness Value | | G2 - 89 min, G3 - 87 min, G4 - 85 min | Sample Test - Cleaness Value NZS 4407 Test 3.9 | 100-500m3 - 2 Samples | Surfacing Project Manager | | С | | С | N | Y | | | | | | | 1 |
| Initial production testing and | Production Property - Particle Size/Shape | NZTA P/17, M/6 | As per Table 3 NZTA M/6 | Sample Test - Particle Size/Shape NZS 4407 Test 3.13 | | | | С | | С | N | Y | | | | | | | |
| design approval | Production Property - Broken Faces | | Min. 98% | Sample Test - Broken Faces NZS 4407 Test 3.14 | >500m3 - 3 Samples | | | С | | С | N | Y | | | | | | | |
| | Chipseal Designs | EBOP NOC Design Report, Chipsealing in NZ, NZTA P/17 | Client Approval | Review | Annual | - | EBOP NOC Design Report Acceptance | С | | С | N | Y | | | | | | | |
| 5.2. Construction | Chipseal Resurfacing | | | | | | | _ | | | | | | | | | - | | |
| | Ensure limits of site are marked | EBOP NOC Design Report | Visual Inspection | Visual | Prior to start sealing each site | Surfacing Supervisor | Chip Sealing Quality and Site Record | / c | | С | С | | Y | | | | | | |
| | Sweep surface clean of deleterious material | P/17 | Visual Inspection | Visual | Each site, prior to start of sealing | Surfacing Supervisor | Chip Sealing Quality and Site Record | ′ с | | С | С | | Y | | | | | | |
| | Record ATP's on site | N/A | Visual Inspection | Visual | Each site, prior to start of sealing | Surfacing Supervisor | Chip Sealing Quality and Site Record | / c | | С | С | | Y | | | | | | |
| | Confirm correct treatment(s) and chip | EBOP NOC Design Report | Details/chip correct | Visual | Each Site | Surfacing Supervisor | Chip Sealing Quality and Site Record | / c | | С | С | Y | | | | | | | |
| | Cutback Bitumen Blend | RNZ 9803_0513 | +/- 2PPH Cutter, +ve for Adhesion agent presence | Sample and test | Sample per Per Sprayer load, tested at frequency of 1 per 100,000l sprayed | Surfacing Project Manager Surfacing Supervisor | | С | | С | С | | Y | | | | | | 1 |
| | Bitumen Application Rate | E/2 Certificate, Seal Design / Spray Instruction | | Test, Review | Per Sprayer, Per Site | | E/2 Certificate. Spra | у с | | С | С | | Y | | | | | | + |
| | Chip Application Rates | Chipsealing in NewZealand | As per Chipping Guide | Visual | Each Site | | Chip application check sheet. Chip Sealing Quality and Site Record | С | | С | С | | Y | | | | | | |
| | Rolling | Chipsealing in NewZealand | Mimimum as per CS in NZ - Bit volume / 3600 | Visual | Each Site | Surfacing Supervisor | Chip Sealing Quality and Site Record | ′ с | | С | С | | Y | | | | | | 1 |
| | Cleanup | Chipsealing in NewZealand | Site including adjacent surfaces free of loose chip | Visual | Each Site | | Chip Sealing Quality and Site Record | / c | | С | С | | Y | | | | | | 1 |
| | Post Sweeping | Chipsealing in NewZealand | Site including adjacent surfaces free of loose chip | Visual | Each Site | 1 | Site Record | С | | С | С | | Y | | | | | | + |
| | Linemarking and RRPM Reinstated | MOTSAM | Matches previous linemarking - within 48hours of sealing | Visual | Each Site | - | Site Record | С | | С | С | | Y | | + + | | | | + |
| 5.3. Post Construction | Chipseal Resurfacing | | volious of scaling | | <u> </u> | | 1 | 1 | | | | | | 1 | | | 1 | | |

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| INSPECTION AND TEST | PLAN (ITP) | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--------------------------------------|--|--|--|-----------------------------|---------------|-----------|---------------|------------------|-----------------------------|------------------|---------------------------------------|------------------|---------------------------------------|------------------|---------------------------------------|
| | Task Description | Controlling Documents | Acceptance Criteria | Inspection or Test | | | Verifying Document | Inspection / Test Authority | | hority | Hold Point | Witness Point | Quality Controller Sign Off | Date | Engineer Sign-off | Date | Compliance Manager Sign off | Date | |
| Operation or Task Category | | | | Method | | Responsible Person | (e.g. test result, pour record, material approval) | S, C, E | | , E or Sp | r Sp | | | | | | | | |
| | (e.g. procurement, temp works, construction activities) | (e.g. list specifications & clause, drawing) | (e.g. slump value, cylinder strength, etc.) | (e.g. visual inspection, slump test) | Frequency | | | Conduct | Witness | Produce | Approval | Y/N | Y/N | Name / Signature | Date All Records verified complete | Name / Signature | Date All Records verified complete | Name / Signature | Date All Records verified complete |
| | Post Construction Walkover | | Formal Agreement | Visual Inspection | Post seal sweep | Quality Controller, Supervisor and Engineer | Meeting Minutes | С | C, S and E | | E | Y | | | | | | | |
| Final Testing, Inspection and Acceptance | Resurfacing Construction Completion report | NOC; MS 6.1.3 | Comply with Requirement of NOC MS 6.1.3 | Record | Within 2 months of completing the annual resurfacing programme | Surfacing Manager | Construction Completion Report | С | | С | С | Y | | | | | | | |
| | Chipseal Post-Verification Testing and Report | NOC; MS 6.1.3 | Comply with Requirement of NOC MS 6.1.3 | Record | Each Site | Surfacing Manager | Chipseal Post- Verification Testing and Report | С | | С | С | Y | | | | | | | |
| 6. Close Out | | | | | | | | | | | | | | | | | | | |
| Final Closeout and Handover | Pavement Rehabilitation Construction Completion Report | Pavement Rehabilitation Construction Completion Report (6.1.2) - BOPE 2_14-001_601 Maintenance Specification | Engineer Approval | Visual Inspection | ≤2 months of 1st Coat Seal | Quality Controller/ Contract Manager | Signed Report | С | C, S and E | C | E | Y | | | | | | | |
| S – Subcontractor | | C - Contractor | | E – Engineer/Principal Represer | tative | Sp – Supplier | | | | | | | | | | | | | |
| Quality Control Records Compile | ed by: | Name: | | | | Reviewed / Approved by: | | Name: | | | | | | | | | _ | | |
| | | Role: | | | | | Role: | | | | | | | | | | _ | | |
| | | Signature: | | | | | | Signature: | | | | | | | | | _ | | |
| | | Date: | | | | | | Date | | | | | | | | | _ | | |
| | | | | | | | | | | | | | | | | | | | |

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