Higgii	NIC .																	
•	SH20 - RS 0147/RP 6740 - 7150 Rot	orua Airport														ITP No.:		
Client	Waka Kotahi NZTA															Revision :	1	
Description of Work	Pre Treatment (If Req)- AP 65 (5% Ce	ment Modified as SB) & TNZ N	M4 AP40 (2% Cement Mo	dified as BC)														
Prepared By Current Version:	Akshad Patle								Appro	oved By						Date:	22/03/2023	
INSPECTION AND TEST	Γ PLAN (ITP)																	
	Task Description	Controlling Documents	Acceptance Criteria		Inspection or Test		Verifying Document	_		Test Au		Hold Point	Witness Point 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)	Conduct	SC,PE, C	L, E, LT or S	pproval	Y/N	Y/N Name / Signature	Date All Records verified complete	Name / Signature	Date All Records verified complete	22/03/2023 Compliance Manager Sign off	Date All Records verified complete
1. Procurement								0		1	∢							
	Design		I				T	l	Π	Т	Т			1		T		
	Geometric Design	Austroads Guide to Road Design Part 3: Geometric Design, TNZ State Highway Geometric Design Manual		Contractor and Principal peer review	per design revision	Contract / Rehab Manager		C or PE		С	Е	Υ	No design available at pre start to review					
	Pavement Treatment Design Material Geo Fabric: on the Sub grade (Digou	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	Contract / Rehab Manager	Approvals Registe - Pavement Rehabilitation Design Report	C or PE		С	E	Y	No design available at pre start to review				22/03/2023 Compliance Manager Sign off	
	Geofabric for draiange improvement on		Pincipal Approval Picture			0.1.5.	Picture for Docket		T ==	T ==				1				
	Sub Grade	TNZ F1 Specification	for Docket over Roll		once per material change	Sub Contractor	over Roll	SC	PE	PE	E	Y						
	Materials: GAP 65 Pre-treatment Material (fo	or Type 1, 2-SB & 3-SB Only) NZS 4407:2015, WSP Rotorua					Sampling		I	T				T		T		
	Aggregate Sampling	Sampling Guide					Worksheet	SP	PE	SP	E	N	N					
	Source Property Test	CBR - BOPE NOC Contract Documents Maintenance	Soaked CBR ≥ 30%	Soaked CBR test		Project Engineer	Test Report	SP	PE	SP	Е	N	Y					
	, ,	Specification Section 2.5.3		(NZS:4407:2015:3.15)														
	Production Property Test	Sand Equivalent - BOPE NOC Contract Documents Maintenance Specification Section 2.5.3	Sand Equivalent >35, OR <35 but well graded with no more than 10% by mass passing through a 0.425mm sieve	Sand Equivalent Test (NZS:4407:2015, 3.6)		Project Engineer	Test Report	SP	PE	SP	E	N	Y					
	Materials: M/4 AP40 Basecourse Material	NZS 4407:2015, WSP Rotorua					Compline	1		T								
	Aggregate Sampling	Sampling Guide					Sampling Worksheet	SP	PE	SP	E	N	N					
		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		One test for every 10,000m³ of source material	Quality Controller/ Project Engineer	Test Report	SP	PE	SP	Е	Ν	Y					
What do we need to do to comply with the specification? 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/ Project Engineer	Test Report	SP	PE	SP	E	N	Y					
approval of materials such as concrete etc.		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/ Project Engineer	Test Report	SP	PE	SP	E	N	Y					
		Sand Equivalent (4.2.1.1) - TNZ M/4: 2006, NZ5 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 ≥39; 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/ Project Engineer	Test Report	SP	PE	SP	E	N	Y				22/03/2023 Compliance Manager Sign off	
	Production Property Test	Broken Face Content (4.2.2) - TNZ M/4: 2006, NZS:4407: 1991 Test 3.14	between 37.5mm and	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/ Project Engineer	Test Report	SP	PE	SP	E	N	Y					
		Particle Size Distribution (4.2.3) - TNZ M/4: 2006, NZS 4407: 1991 Test 3.8.1 (Wet Sieving Test)		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/ Project Engineer	Test Report	SP	PE	SP	E	N	Y					
	Materials: Cement		Ī			0 111 6 1 11 11	· 	1					· · · · · · · · · · · · · · · · · · ·	1		1		
	Stabilising Agent Selection	Cement (4.1.2) - TNZ B/5: 2008	GP GP	Visual inspection of supplier docket	per truck load	Quality Controller/ Project Engineer	Supplier Docket Supplier Cert	Sp	Е	Sp / PE	E	Υ	Υ					
	Materials: Water		T	I			i T			T			· '	i I		T		
	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	Sub Contractor	Hydrant use form	sc	PE	PE	С	Υ	Y					
	Sub Soil Drain Materal						T							1				
	Sub Soil Drain Pipe	Sub Soil Drainage Contruction F/2 Specification	Principal Approval High Density Corrugated Punched Pipe of Iplex Nexus Flo/Marley Brand Class 500 Blue Strip, SN 4 - 110 Dia		once per material type	Sub Contractor	Docket Picture	SC	PE		E	Y	N					
	Drainage geo fabric	Certificate from the	Principal Approval Bidim	Docket photograph	one per mateial approval	Sub Contrctor	Docket Picture	sc	PE		Е	Y	N	1				
2. Pre-Implementation		supplier/Docket	A14 Class Min				<u> </u>	ı		L .	1			1		1		
	Work Pack complete and held on site	\Work Pack						SC		SC	PE	N	Υ		<u> </u>			

INSPECTION AND TEST	PLAN (ITP)																		
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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)	Conduct	SC,PE, C,	Le LT or S	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
	Communication Plan implemented Are any consents /approvals required, including for taking water.	\4.5 CSCMP Hydrant Use form	Forms available for applicable days	Visual inspection and recording	Daily as required	Sub Contractor	Hydrant Use Form	SC SC		SC SC	PE	N N	Y						
	Quality Control forms on site	RQP, ITP, Scala Penetrometer Test Records, Material test sheets etc.	Visual Confirmation		Daily as required	Supervisor			С			N	N						
	Person(s) on site with authority to stop work if quality of final outcome is compromised for any reason	QMP	At least one nominated staff member on site at al times	1		Site Supervisor, Quality Controller, Engineer	Pre-start sheets, timesheets	C or PE		PE		N	N						
What planning and documentation is needed before we commence operations	On site Prestart Meeting	Site design information - Earthworks plan - design drawings.	Visual confirmation and walk over - confirm associated works -verify extent of works - verify digouts or additional items	Visual inspection and recording- variation approval process	Prior to any phyusical work engagement	Supervisor	Pre Strart Attendance sheet	sc		PE	E	Y	Υ						
	Highlight the extent for different pavement types	Reference from Project Drawing Sheet C 01, 02 & 03		Survey/Mobile Roads, Marks with Dazzle	Chainages for every different pavement sections	Sub Contractor/ Supervisor	Project Drawings	sc					N						
	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	С		С	Е	Υ	Υ						
. Temporary Works (including	Traffic Management, Environmental an	nd Health and Safety Controls)						<u> </u>	<u> </u>	<u> </u>					<u> </u>				
	Traffic Management Approved / Implemented (copy in Job Pack on-site)	Site Specific TMP, COPTTM, Higgins TTM SOP, SCR Form	Passing SCR audits	Visual inpsection and recording		STMS	Site Specific TMP, SCR	С	С	С	С	N	Υ						
	Environmental controls in place (Seal of Existing Catchpits or storm water line)	HSE Audit, JSEA				Site Supervisor	HSE Audit, JSEA	С	С	С	С	N	Υ						
What do we need to do to comply with the drawings? e.g. erection of formwork, traffic management	Health and Safety controls in place (e.g. Isolate work area)	HSE Audit, JSEA				Site Supervisor	HSE Audit, JSEA	С	С	С	С	N	Y						
etc .	Standard Operating Procedures / JSEAs available on site Any service covers or utilities identified	HSE Audit				Site Supervisor	HSE Audit	С	С	С	С	N	Υ						
	and protected to Service Authorities expectations	PTW Process, B4UDIG	Work always undertaken under live PTW	Visual inpsection and recording	Weekly	Permit Issuer	PTW	sc	PE	sc	PE	N	Υ						
3. Construction - Pre-treatment	t Digouts (for Type 1, 2 SB & 3 SB)						•		1										
What do we need to do to comply with the specification, drawings, and quality requirements during	Open Digout Depth as per the Attachment 1	Pavement Rehabilitation Design Report 2019/20 030-0147-6900-7190 Rotorua Airport		Install Geogrid 30/30, (Class C) Geoteextile on Floor		Sub Contractor	Photo Graphs with chaniange highlighted	sc	PE	PE		N	Y						
the construction process? e.g. placement of materials such as concrete, asphalt or fill material	Excavation floor drainage Sub Grade material hardness (In case of	Higgins SOP 0128 - Digout Repair Higgins SOP 0128 - Digout	4-8% toward edge of sea	I Digital level	As required	Quality Controller/ Supervisor	Dig out QA form	PE	С	PE	С	N	N						
and required testing.	undercut req. on Soft Patch)	Repair	≥45 Clegg	Cleg Hammer	2 per patch	Quality Controller/ Supervisor	Cleg hammer form	PE	С	PE	С	N	N						
4. Construction - Sub Soil Draid	ange								_				_						
	Subsoil depth and discharge point into SW system around As per the Cross section Attached with this ITP	Location as duirected by the principal engineer and methodology as per F/2 Specification	Slope to be confirmed on the site with visual inspection / Laser Level on Site, Blue Strip facing upward	soil draiange installed to the	As required	Sub Contractor	Photo Graphs with Depth and position of blue strip	SC	PE		E	Υ	N						
	Bedding/ Surrounding material 20/40 drainage 5 round pebbles	Quarry Docket	Round Shape as per Drainage Specification F2. Depth under pipe & each layer should be min 75 MM		As required	Sub Contractor	Photographs	PE	С		E	Y	N						
5. Construction - Granular mak	e up and In-situ Modification (GAP 65 5	% cement - 250 mm depth for \$		pe 1,2 SB & 3 SB) and (TNZ M/4 AI	P 40 2 % Cement 200 mm depth for B	ase Couse throughout)	•		1										
	Plant and Machinery Seletion	Plant and Equipment (6.0.0) - TNZ B/5: 2008	Cement Spreading Truck Direct Injection Stabilising Mill, Vibratory Single Drum Roller, Pad Footed Roller and PTR	Visual Inspection	Pre-establishment	Sub Contractor	Daily Site Record	SC		PE	E	Y	Y						
	Weather including temperature	Weather Limitations (7.1.1) - TNZ B/5: 2008	Ambient air temp ≥5° C, Wind speed ≤25km/h, Rainfall ≤0mm	Visual Inspection, Met Service /Windy	Throughout process	Sub Contractor	Daily Site Record, Metservice	SC		PE	E	Υ	Υ						
	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	Sub Contractor	Mat Test Form and truck dockets	SC		PE	Е	Υ	Υ						
	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	Sub Contractor	NDM Record	sc		PE	С	Υ	Υ						
	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	Sub Contractor	Photographs and Daily Site Record	sc		PE	С	Υ	Y						
	Tie in points	Austroads Guide to Road Design Part 3: Geometric Design, NZ3910 Variations TNZ State Highway Geometric Design Manual	Principal Approval	Physical Measure and Visual Record	Pre-physical work commencement	Sub Contractor	Design alteration variation ACCPETANCE	SC		PE	E	Υ	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	Sub Contractor	Photographs, Daily Site Record and Stabilising Plan	SC		PE	С	N	Y						
	Continuity of Layer	Continuity of stabilised layer (7.6.3) - TNZ B/5: 2008	Longitudinal overlap 1m	Visual Record	per sucessive cut	Sub Contractor	Photographs, Daily Site Record and Stabilising Plan	sc		PE	С	N	Y						

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INSPECTION AND TEST	PLAN (ITP)																		
	Task Description	Controlling Documents	Acceptance Criteria		Inspection or Test		Verifying Document	Inspe	ction / Te	est Auth	ority	Hold Point	Witness Point	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)	Conduct	Mitness With	LT or Sp Record	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
	Stabilised Material Particle Size Dsictribution (On Base Course only)	Particle size distribution of stabilised material (7.6.4) - TNZ B/5: 2008	NZTA B/^ Section 7.5.8	Wet Sieve	3 Per Lot	Lab Technician	Test Report	LT	1	PE or C	E	Υ	N						
	Strength Test Conducted -ITS (On Base Course only)	TNZ B2 /NZTA Best Practice Guide/ NZTA T 19 Notes	NZTA T19 Table 1 for Cement Modified Base course with results min 300 KPA for ITS	March Marc															
What do we need to do to comply with the specification, drawings, and quality requirements during the construction process? e.g.	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	Formal Agreement	Plateau Density Testing	material changes visually (Recommend a minimum of 1-2 tests	Sub Contractor	NDM Record	LT/SC	I	PE or C	С	N	Y						
placement of materials such as concrete, asphalt or fill material and required testing.	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%		≥ 5 tests per 1000m² lot	Sub Contractor	NDM Record	PE or C	I	PE or C	С	N	Y						
	Control Testing	Control testing during and after construction (7.7.2) - TNZ B/5: 2008	Nil	Test at OWC	when agreed	Sub Contractor	Test Report	PE or C	1	PE or C	Е	N	N						
	Surface Roughness	TNZ TM 7003 v1 2. Roughness Requirement		lane surfaced under the contract in		Sub Contractor/ Lab Techniciar	Test Report	LT		PE	Е	Υ	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	Sub Contractor	Sheet/Survey	PE		PE	E	Υ	Y						
	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	Sub Contractor	Records/Survey	PE	С	PE	Е	Υ	Y						
	Surface Finish	Surface finish (7.10) - TNZ B/5: 2008	Tightly bound matrix post sweep	Visual inpsection	prior to seal	Sub Contractor		С	C and E	C or PE	Е	Y	Y						
	Pre-sealing Requirements	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	if required, ≥5 tests per 1000m² lot	Sub Contractor	NDM Record	С	E	PE	E	Υ	Y						
	eal with Catonic Emulsion or 180/200 Binder																		
6.1. Procurement	Chipseal Resurfacing	T		1		1			I		1	1			1				
	Binder - Penetration Grade	TNZ M/1	Table 1 % PMB Required, PH,				t						-						
	Binder - Polymer Modified Emulsion Source Property -Coarse Aggregate -	Higgins Internal Specification	Residue by Evaporation, Viscosity <10% fines under 230kN		1/100,000 litres supplied							N							
What do we need to do to see	Crushing Resistance Source Property -Coarse Aggregate -	TNZ M6, RNZ 9805:2009	minimum AA or BA				IANZ Report's					Y			1				
What do we need to do to comply with the specification? e.g approval of materials such as concrete etc.	Weathering Resistance Production Property - Skid Resistance	NZTA T/10	Meet Skid performance		Each Site	1						Y							
	Production Property - Cleaness Value		Requirement G2 - 89 min, G3 - 87 min, G4 - 85 min			Surfacing Project Manager		С		С		Υ	ŀ		 				
	Production Property - Particle Size/Shape	NZTA P/17, M/6	As per Table 2 and 3 NZTA M/6	Sample Test - Particle Size/Shape	100-500m3 - 2 Samples					-		Y	L						
	Production Property - Broken Faces Chipseal Designs	EBOP NOC Design Report,	98% Client Approval		Annual	1		С				Y							
6.2. Construction	Chipseal Resurfacing	Chipsealing in NZ, NZTA P/17	Olione Approval		, saludi		Report Acceptance			Ĭ			.,						
0.2. Construction	Finalise Sprayrate	EBOP NOC Design Report, Chipsealing in NZ, NZTA P/17	N/A	Review	Each Site	Surfacing Supervisor	Site/Spray Instruction	С		С	С	N	Υ						
	Check weather	N/A	surface. Base Temp ≥ 10°C	Weather Forecast	Prior to establishment each day	<u> </u>	Daily Report, Chip	1									+		+

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INSPECTION AND TEST	PLAN (ITP)																		
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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)	Conduct	C,PE, C, E	Produce Record	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
	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	С		С	С	N	Υ						
	Establish TTM	TMP	Comply with TMP	Visual	Each Site	Surfacing Supervisor / STMS	Daily Diary / STMS Record	С		С	С	N	Υ						
	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	N	Υ						
	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	С		С	С	N	Υ						
What do we need to do to comply with the specification, drawings, and	Confirm correct treatment(s) and chip	EBOP NOC Design Report	Details/chip correct	Visual	Each Site	Surfacing Supervisor	Chip Sealing Quality and Site Record	С		С	С	Y	N					rds Name / Gigneture	
quality requirements during the construction process? e.g placement of materials such as concrete or fill	Cutback Bitumen Blend	RNZ 9803_0513	+/- 2PPH Cutter, +ve for Adhesion agent presence	Sample and test	1 Sample per Per Sprayer load, tested at frequency of 1 per 100,000l sprayed	Surfacing Project Manager, Surfacing Supervisor	IANZ Report's	С		С	С	N	Υ						
material and required testing.	Bitumen Application Rate	E/2 Certificate, Seal Design / Spray Instruction	Current E/2 Certificate +/- 4% per Spray Run	Test, Review	Per Sprayer, Per Site		E/2 Certificate. Spray Sheets	С		С	С	N	Υ						
	Chip Application Rates	Chipsealing in NewZealand	As per Chipping Guide	Visual	Each Site		check sheet. Chip Sealing Quality and	С		С	С	N	Υ					e All Records	
	Rolling	Chipsealing in NewZealand	Mimimum as per CS in NZ - Bit volume / 3600	Visual	Each Site	Surfacing Supervisor/ Supervisor	Chip Sealing Quality and Site Record	С		С	С	N	Υ						
	Cleanup	Rolling Chipsealing in NewZealand Chipsealing in NewZealand Mimimum as per CS in NZ-Bit violume / 3600 Visual Each Site Cleanup Chipsealing in NewZealand Site including adjacent surfaces free of loose chip Site including adjacent surfaces free of loose chip Nisual Each Site Post Sweeping Chipsealing in NewZealand MOTSAM Matches previous linemarking - within 48hours of sealing or s																	
	Post Sweeping	Chipsealing in NewZealand	surfaces free of loose chip	Visual	Each Site		Site Record	С		С	С	Υ	N						
	Linemarking and RRPM Reinstated	MOTSAM	linemarking - within 48hours	Visual	Each Site		Site Record	С		С	С	N	Υ						
	Removal of TTM	TMP	Comply with TMP	Record	Each Site	STMS/ Supervisor	STMS Record / Daily Report	С		С	С	N	Υ						
6.3. Post Construction	Chipseal Resurfacing	T	T			1			-						1		1		
	Resurfacing Construction Completion report	NOC; MS 6.1.3	Comply with Requirement of NOC MS 6.1.3	Record	Each Site	Resurfacing Construction Completion report	Daily Report / STMS Record	С		С	С	N	Υ						
	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	Υ	N						
7. Close Out						1									<u>, </u>		, ,		_
	Post Construction Walkover		Formal Agreement	Visual Inspection	Post seal sweep	Quality Controller, Supervisor and Engineer	Meeting Minutes	С	C, PE and E	С	E	Y	Υ						
What do we need to do to handover to the Client or next work activity?	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	Contract Manager/ Quality Control	Signed Report	С	C, PE and E	С	Е	Υ	Υ						
PE – Project Engineer		C – Contractor E – Engineer/Principal Representative			ntative	Sp – Supplier		SC – Sul	Contrac	ctor	LT-L		Technici	ian					
Quality Control Records Compile	ed by:	Name:				Reviewed / Approved by:		Name:	_								_		
		Role:						Role:	=								-		
		Signature: Date:						Signature Date	:: <u>-</u>								<u>-</u>		
		Dutc.						Date	-								≣-		

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Attachment 1 Rotorua Airport SH 20 RS 0147 RP 6740 - 7150

Structural configuration for different pavement types

	Uı	ndercut +	SG improve	ment		Sı	ub base			Bas	se Course	
Туре	RP Start	RP Finish	Total Cut Depth (mm)	Special ground improvement required	Thickness	Material (mm)	Stabilisation %	Hoe / Stabilisation Depth (mm)	Thickness	Material (mm)	Stabilisation %	Hoe / Stabilisation Depth (mm)
1	6740	6900	450	Geotextile Strength Class C	250	AP 65	5	250	200	TNZ M/4	2	200
2 NB	6900	6970	100	NA			NA		100	TNZ M/4	2	200
2 SB	6900	6970	450	Geotextile Strength Class C	250	AP 65	5	250	200	TNZ M/4	2	200
3 NB	6970	7030	150	NA			NA		150	TNZ M/4	2	200
3 SB	6970	7030	500	Geotextile Strength Class C	250	AP 65	5	250	200	TNZ M/4	2	200
2 NB	7030	7150	100	NA			NA		100	TNZ M/4	2	200
2 SB	7030	7150	450	Geotextile Strength Class C	250	AP 65	5	250	200	TNZ M/4	2	200

NB - North Bond till the edge of flush median & SB South Bond; Type 3 SB needs to be merged with Rotokawa RD for smotth Tie in

