





		Construction Process:		Start RP		INSPECTION AND TEST PLAN - VERSION CONTROL				0	1	2	3
				OGPA Surfacing		Finish RP		Prepared by Project Engineer:		PE name	dd/mm/yy				
Client's Rep. : Neil Payne / Deena Tapara (Stellar Projects Ltd. (SPL))		Contractor's Rep. : Wayne Bowden (CM) / Sid Rudani (PM)		Specifications NZTA P11: Specification For Open Graded Porous Asphalt; NZTA M01-A: Specification for PG Asphalt Binder				Reviewed by Construction Manager:		PM name	dd/mm/yy				
								Reviewed by Surf./ Pavmt. Manager:		Surfacing or Pavement Manager	dd/mm/yy				
								Approved Quality Manager.:		Nominated by Group Quality Manager	dd/mm/yy				
								Approved Pavements SME.:		Responsible Group SME	dd/mm/yy				
								Issued by: Project Engineer:		PE name	dd/mm/yy				
Item	Task/Activity/Description	Inspection/Test				Acceptance Criteria	Record documents (QCP - Quality Control Portal)	Responsibility	Project Specific Notes / Instructions	Checked by (RACI) R = Responsible, A = Approve, C = Consult, I = Informed					
		Detail of Activity / Test	Action (Hold, Monitor, Witness)	Minimum Test Frequency (Lot = 1 day's production)	Inspection / Test method					Designer	Eng. Rep / NZTA	Contractor	Date		
1.0. Pre-Commencement Activities															
1.1	Approved JMF for Asphalt Surfacing	JMF reference in here	H	Before Works commence	Confirm requirements are followed	JMF Validated in accordance with NZTA P11:2023	Mix Design Report	Paving Contractor	JMF expiry date and validation details in here. And to make sure the mix design is sent to Engineer's Representative for approval prior to paving on site.	A	A	R			
1.2	Site Conditions	Weather suitable, Site extents marked, surface suitable for paving (Depths/milling/cleanup complete etc), Environmental Controls in place	H	Before Works commence	Confirm requirements are followed	Weather conditions and Site is suitable for paving	Site Diary	Paving Contractor			I	R			
1.3	Roughness	Previous layer checked for suitability to achieve Specified Ride	H	Before Works commence	Confirm Specified Ride requirements can be met	Site is suitable for paving; The surface to be paved on must have a smooth longitudinal profile, and where a layer of Asphalt is to be placed over a previously constructed pavement layer, the ride quality must be confirmed with the observation of a holdpoint in the previous layer ITP.	NASSRA Report	Paving Contractor			I	R			
1.4	Traffic Loops	Communication with affected parties	H	Minimum of 7 days Before Works commence	Visual	Notify RC at least 7 days before surfacing is programmed	Communication	Paving Contractor	only required where existing traffic loops are present		A	R			
1.5	Paving Plan	Paving Plan to be completed	H	Before Works commence	NZTA M27: 2020 Clause 9.5.1	Paving Plan to be completed for each shift with dimensions, location and type of (hot/cold) joints, areas and tonnages	String Sheet	Paving Contractor			I	R			
Client Final Inspection - the signature below verifies that this ITP has been completed in accordance with the Specifications and verifies lot compliance.  Contractor's Rep Name: _____ Signature: _____ Date: _____  Engineer's Rep. Name: _____ Signature: _____ Date: _____							H	Hold Point	Work Shall not proceed past the HP until released by the Eng. Rep.						
							W	Witness Point	An Inspection which must be witnessed by the Eng. Rep.						
							M	Monitor Point	Intermittent monitoring of any stage of the work in progress by the Eng. Rep.						

				Construction Process:		INSPECTION AND TEST PLAN - VERSION CONTROL		0	1	2	3			
				OGPA Surfacing	Start RP	Finish RP	Prepared by Project Engineer:	PE name	dd/mm/yy					
Client's Rep. : Neil Payne / Deena Tapara (Stellar Projects Ltd. (SPL))				Contractor's Rep. : Wayne Bowden (CM) / Sid Rudani (PM)		Project Name: <b>T2W - Tirau to Waiouru - Rehabilitation Works</b>		Reviewed by Construction Manager:		PM name	dd/mm/yy			
								Reviewed by Surf./ Pavmt Manager:		Surfacing or Pavement Manager		dd/mm/yy		
								Approved Quality Manager.:		Nominated by Group Quality Manager		dd/mm/yy		
								Approved Pavements SME.:		Responsible Group SME	dd/mm/yy			
								Issued by: Project Engineer:		PE name		dd/mm/yy		
Item	Task/Activity/Description	Inspection/Test				Acceptance Criteria	Record documents (QCP - Quality Control Portal)	Responsibility	Project Specific Notes / Instructions	Checked by (RACI) R = Responsible, A = Approve, C = Consult, I = Informed				
		Detail of Activity / Test	Action (Hold, Monitor, Witness)	Minimum Test Frequency (Lot = 1 day's production)	Inspection / Test method					Designer	Eng. Rep / NZTA	Contractor	Date	
2.0. MANUFACTURE OF ASPHALT														
2.1	Temperatures	Mixing of aggregates and bitumen	M	Constant monitoring of temperature by calibrated equipment	Plant temperature probes	PG64 V/E (Flexiplus Bind) binder mixing range: 145 to 165 deg.C NZTA M27: 2020 states max. 185 deg.C	Plant site diary	Asphalt Manufacturer		I	I	R		
2.2	Production Asphalt	Particle Size Distribution	M	1 per 200t at asphalt plant	NZS 4407 Test 3.8.1	<a href="#">NZTA P11: 2023</a> Refer to Table 6.3	IANZ accredited test cert	Asphalt Manufacturer		I	I	R		
2.3		Binder Content	M	1 per 200t at asphalt plant		<a href="#">NZTA P11: 2023</a> Individual Test Result: ± 0.5 Mean of Three Test Results: ± 0.3	IANZ accredited test cert	Asphalt Manufacturer		I	I	R		
3.0. PLACING AND FINISHING														
3.1	Milling	Surface strung to ensure milling Depth is achieved	H	Before Works commence	Confirm requirements are followed	Site is suitable for paving	String Sheet	Paving Contractor			I	R		
3.2	Tack Coat, OR	Application of Tack Coat	M	Per Lot	Dip bitumen emulsion tank before and after	Target Between 0.2l/m2 - 0.6l/m2 +/- 0.1l/m2 From Target Application Rate	Site Diary	Paving Contractor		I	I	R		
3.3	Membrane Seal	Application of Membrane Seal	M	Per Lot	Sealing Records	Application rate, chip type and binder as per membrane seal design	Sealing Records	Paving Contractor		I	I	R		
3.4	Temperature	Pavement Surface	M	Start of shift and every 1 hour until temperature rising	Infrared gauge	≥ 10 °C or as otherwise agreed with NZTA	Site diary	Paving Contractor	Must get NZTA approval if < 10°C	I	I	R		
3.5		Asphalt Delivery temperature	M	Every Load on delivery to the Paver Hopper	Temperature Probe	Target ≥ 150 deg.C. in the Paver Min. ≥ 120 deg.C in the Paver <120°C to be Rejected	Site Diary	Paving Contractor		I	I	R		
3.6		Compaction Temperature	M	During compaction	Temperature Probe/infrared gauge	≥ 115°C at commencement of compaction. < 80°C - Stop Rolling	Site diary	Paving Contractor		I	I	R		
3.7	Mat	Load Locate	M	Each load	M/27	Each load can be identified to a location using a diagram. Record includes: - Truck ID/Rego/Driver - Depart Plant Time - Arrive Site Time - AC Temp on Arrival - Tonnage - Run Width - Estimated Run Length - Calculated Area - Calculated Average Depth	Paving Run Sheet	Paving Contractor		I	I	R		
3.8		Thickness Monitoring	M	Continuously	Dipping	Target Loose Thickness -0mm / +10mm		Paving Contractor		I	I	R		
3.9		Shape	M	Continuously	3m Straight edge	NZTA P11: 2023 - section 14.2. Not more than 5mm under a 3m Straight Edge parallel or perpendicular to centre line	Straight Edge Record	Paving Contractor		I	I	R		
3.10	Paving Quality	Texture	M	Per Site (If Required)	Sand Circle or HSD	NZTA T/10: 2013	IANZ accredited test cert.	Paving Contractor		I	I	R		
3.11		Alignment	M	Per Site (If Required)	As Built Survey	±50 mm from drawings	Survey As built	Paving Contractor		I	I	R		

				Construction Process: OGPA Surfacing		Start RP		INSPECTION AND TEST PLAN - VERSION CONTROL				0	1	2	3
						Finish RP		Prepared by Project Engineer:		PE name	dd/mm/yy				
						Project Name: T2W - Tirau to Waiouru - Rehabilitation Works		Reviewed by Construction Manager:		PM name	dd/mm/yy				
								Reviewed by Surf./ Pavmt Manager:		Surfacing or Pavement Manager	dd/mm/yy				
Client's Rep. : Neil Payne / Deena Tapara (Stellar Projects Ltd. (SPL))		Contractor's Rep. : Wayne Bowden (CM) / Sid Rudani (PM)		Specifications NZTA P11: Specification For Open Graded Porous Asphalt; NZTA M01-A: Specification for PG Asphalt Binder				Approved Quality Manager.:		Nominated by Group Quality Manager	dd/mm/yy				
								Approved Pavements SME.:		Responsible Group SME	dd/mm/yy				
								Issued by: Project Engineer:		PE name	dd/mm/yy				
Item	Task/Activity/Description	Inspection/Test				Acceptance Criteria	Record documents (QCP - Quality Control Portal)	Responsibility	Project Specific Notes / Instructions	Checked by (RACI) R = Responsible, A = Approve, C = Consult, I = Informed					
		Detail of Activity / Test	Action (Hold, Monitor, Witness)	Minimum Test Frequency (Lot = 1 day's production)	Inspection / Test method					Designer	Eng. Rep / NZTA	Contractor	Date		
3.12	Post Paving Completion Checks	Site clear and cleanup	W	Each Site/Shift	Visual	Site is cleared of plant (or parked in safe location) cleanup of all waste mix, paper and detritus is complete	Site Diary	Paving Contractor			I	R			
3.13		Pavement Marking	W	Each Site/Shift	Visual	Roadmarking is complete	Site Diary	Paving Contractor			I	R			
3.14		Cold Joint Bandaging	W	Each Site/Shift	Visual	Cold joint bandaging is complete	Site Diary	Paving Contractor			I	R			
3.15		Service Covers Checked	W	Each Site/Shift	Visual	Check that service covers are cleared and level with the pavement	Site Diary	Paving Contractor			I	R			
3.16		Traffic Loops Reinstated	W	Each Site/Shift	Visual	Check that affected traffic loops have been reinstated	Communication	Paving Contractor			I	R			
Client Final Inspection - the signature below verifies that this ITP has been completed in accordance with the Specifications and verifies lot compliance.															
Contractor's Rep Name: _____ Signature: _____ Date: _____								H	Hold Point	Work Shall not proceed past the HP until released by the Eng. Rep.					
Engineer's Rep. Name: _____ Signature: _____ Date: _____								W	Witness Point	An Inspection which must be witnessed by the Eng. Rep.					
								M	Monitor Point	Intermittent monitoring of any stage of the work in progress by the Eng. Rep.					

				Construction Process:		Start RP			INSPECTION AND TEST PLAN - VERSION CONTROL				0	1	2	3	
				OGPA Surfacing		Finish RP			Prepared by Project Engineer:		PE name		dd/mm/yy				
Client's Rep. : Neil Payne / Deena Tapara (Stellar Projects Ltd. (SPL))		Contractor's Rep. : Wayne Bowden (CM) / Sid Rudani (PM)		Project Name: T2W - Tirau to Waioru - Rehabilitation Works		Specifications NZTA P11: Specification For Open Graded Porous Asphalt; NZTA M01-A: Specification for PG Asphalt Binder		Reviewed by Construction Manager:		PM name		dd/mm/yy					
								Reviewed by Surf./ Pavmt. Manager:		Surfacing or Pavement Manager		dd/mm/yy					
								Approved Quality Manager.:		Nominated by Group Quality Manager		dd/mm/yy					
								Approved Pavements SME.:		Responsible Group SME		dd/mm/yy					
						Issued by: Project Engineer:		PE name		dd/mm/yy							
Item	Task/Activity/Description	Inspection/Test				Acceptance Criteria	Record documents (QCP - Quality Control Portal)	Responsibility	Project Specific Notes / Instructions	Checked by (RACI) R = Responsible, A = Approve, C = Consult, I = Informed							
		Detail of Activity / Test	Action (Hold, Monitor, Witness)	Minimum Test Frequency (Lot = 1 day's production)	Inspection / Test method					Designer	Eng. Rep / NZTA	Contractor	Date				
4.0. As Built Records																	
4.1	Assessment of all test results for conformity	Review against ITP Requirements	H	For each site on the project	Review	Reporting of any non-conforming results to Engineer via NCR	NCR	Paving Contractor		I	A	R					
4.2	RAMM pavement and surface records	RAMM surfacing pavement data spreadsheet updated	W	For each site on the project	Prepare Data	Over milled and Deep lift extents recorded and verified by Contract Engineer / QA Spray sheets for membrane area received by Contract Engineer from Sealing Team. Surfacing layer extents recorded and verified by Contract Engineer.	RAMM Spreadsheet	Paving Contractor		I	A	R					
4.3	Paving Quality	Ride Quality	W	Continuous every lane	NAAASRA	Max 100m Rolling Average 60 Counts/km Max 20m NASSRA 70 Counts/km Refer TNZ TM 7003 v1 (2006)	IANZ accredited test cert.	Paving Contractor		A	I	R					
Client Final Inspection - the signature below verifies that this ITP has been completed in accordance with the Specifications and verifies lot compliance.																	
Contractor's Rep Name: _____			Signature: _____		Date: _____		H	Hold Point	Work Shall not proceed past the HP until released by the Eng. Rep.								
							W	Witness Point	An Inspection which must be witnessed by the Eng. Rep.								
Engineer's Rep. Name: _____			Signature: _____		Date: _____		M	Monitor Point	Intermittent monitoring of any stage of the work in progress by the Eng. Rep.								