

SECTION 1 - GENERA	AL DET	AILS											
Cito / Dood Name	Fulton	Hogan- H	ume Freew	vay, Tallard	ook XJS works		luonostian Kov			Resp	onsibilities		
Site / Road Name:		J					Report by Breach C Check D Dimension DO Docket E Examine HP Hold Point I Inspection MS Material Sheet M Measure R Review RE Report S Subcontractor TR Test Result V Visual Inspection W Witness Point	Role	Key		Name	Initial	
Project Number	569					Α	Action	ST	Superinter	ndent			
Site / Road Name:  Project Number:  Chainage From:  Chainage To:  Lot ID Number:  Area / Sub-System:  ITP Number:  ITP Description:  Specification:  Quality Specified:  Prepared By:  Approved By:	309					В	Report by Breach	DM	Delivery M	lanager			
Chainage From:	N/A					С	Check	PM	Project Ma	anager			
Chamage From.	IN/A					D	Dimension	PE	Project Er	gineer			
Chainage To:	N/A					DO	Docket	SE	Site Engin	eer			
Ghamage 10.	19/7					E	Examine	s	Superviso	r / Surveillance			
Lot ID Number: N						HP	Hold Point	sv	Surveyor				
Site / Road Name:  Project Number:  Chainage From:  Chainage To:  Lot ID Number:  Area / Sub-System:  ITP Number:  ITP Description:  Specification:  Quality Specified:  Prepared By:  Approved By:  SECTION 1 – SIGNAT  ITP Close-Out: (PM / PE / SE)  Fulton Hogan Approval (PM):	14// \					I	Inspection	CR	Client Rep	resentative			
Area / Sub-System:	Tallaroo	ok		Client:	Fulton Hogan	MS	Material Sheet	CR	Client Rep	resentative			
ITP Number:	01			Rev:	0	М	Measure	CR	Client Rep	resentative			
ITP Description:	Expan	sion Joint			Joint Repair – XJS to XJS System		R	Review					
Specification	VicRo	VicRoads Standard Section 160, 166, 168, 660, 689				RE	Report						
Specification.	Bridge	e Technical	Note 004,	AS 5100		S	Subcontractor						
Quality Specified:	VicRo	ads Standa	ard Specific	cation, Aus	tralian Standards	TR	Test Result						
Prepared By:	Arun N	Muruganan	ıtham	Date:	19/09/24	V	Visual Inspection						
Approved By:				Date:		w	Witness Point						
SECTION 1 - SIGNAT	URES -	- CLOSE-C	OUT & APF	PROVAL									
		Name:				Signature				Date:			
		Name:				Signature				Date:			
Notes:													



Item	Activity/ Task	Inspection Point: Quality Control Activity	Acceptance	Verifying	Waratah Rep			Client Rep		
No.	Description		Criteria	Document	Key	Rep	Initial / Date	Key	Rep	Initial / Date
1.1	Preparation & Admin; Safe Work method statements	<ul> <li>HP: Documents listed below shall be provided at least 14 days prior to the commencement of works. No works shall commence until Fulton Hogan has approved the submitteddocuments.</li> <li>The Contractor shall provide FH with an exhaustive list ofpersonnel that will be undertaking or facilitating the works at least 7 days prior to any such person being on site.</li> <li>Where additional personnel are required to undertake the works, the Contractor shall provide FH with additional personnel names and employers to allow forauditing.</li> <li>The Contractor shall submit the SWMS, and contract vehicle and mobile Pre-acceptance checklist.</li> </ul>	Documents submitted and Approved Crew Signed SWMS Signed ITP	SWMS  Vehicle and Mobile Pre-Acceptance Check List  Induction ID  VicRoads 177  VicRoads 160  VicRoads 168	HP MS R	PM PE SE S				
1.2	Quality Management (ITP'S)	HP: The Contractor shall submit proposed ITP's to FH at least 14 days prior to their use.      The Contractor shall remain responsible for all Quality Assurance requirements as per VicRoads Section 160, inclusive of the submission of ITPs and completion of documentation.      ITP includes all the Hold points required for each stage of the project.	ITPs submitted and approved	Contract Conditions and Specifications	<b>HP</b> R	PM PE SE S				



SECT	ION 1 – EXPANSION JO	INT REPAIR								
Item	Activity/ Task	Inspection Point: Quality Control Activity	Acceptance	Verifying		Wara	tah Rep		Clie	nt Rep
No.	Description		Criteria	Document	Key	Rep	Initial / Date	Key	Rep	Initial / Date
1.3	Surface Preparation – Remove Bridge Joint Area	<ul> <li>Silspec 900 PNS must be applied to clean, dry and sound surfaces for effective bond.</li> <li>Existing nosing material to be sawcut to depth of 40mm.</li> <li>All unsound material must be removed by handheld jack hammer or similar means.</li> <li>All loose material must be removed by brushing, vacuuming or blowing.</li> </ul>	Depth of cutting existing nosing material – 40mm Signed ITP	VicRoads 660.04 VicRoads 689.08 Manufacture Specifications	V	PM SE S				
1.4	Surface Preparation – Preparing the Bridge Joint Area	<ul> <li>Grit blast the blockout so that all residue from the asphalt, and any other "old" or loose material is removed.</li> <li>Grit blast any exposed reinforcement to provide a clean surface.</li> <li>After grit blasting thoroughly sweep area and blow out the blockout so that there are no loose particles or dust left in the blockout that could prevent adhesion of the Silspec material.</li> <li>Whilst the Silspec can tolerate some moisture it is preferable to have the blockout as dry as possible – blow dry the surface to remove moisture.</li> </ul>	Signed ITP	Megapoxy P1 Manufacture Specifications	V	PM SE S				
1.5	Install Foam (Formwork) to Create Joint	<ul> <li>Place formwork in the middle of the blockout to form the expansion joint gap to the desired expansion joint gap width.</li> <li>The upper surfaces of the joint shall be parallel with the longitudinal grade and crossfall of the completed road or footpath surface.</li> </ul>	Signed ITP	VicRoads 660.04 Manufacture Specifications	V	PM SE S				



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1.6	Adhesion of Exposed Reinforcement to Silspec & Protection from Corrosion	If Reinforcement is exposed after jack hammering, the following procedure will be carried out,  • MEGAPOXY P1 will be used for protection of reinforcing steel.  • Part "A" and Part "B" are thoroughly mixed before use with correct mixing ratio (1:1)  Applied to exposed Reinforcement using a paint brush before placing Silpsec	Inspection by Supervisor of prepared surface	Megapoxy P1 TDS	V	PM SE S						



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1.7	Mix and Install Silspec	The expansion joint shall be installed in accordance with the supplier's recommended procedure.  Silspec 900 PNS must be thoroughly combined prior to use in a separate container.  Mechanical mixing, using a heavy-duty low speed drill motor with paint-type paddle stirrers is recommended. Mixing time should not be less than 3 minutes.  The blended batch must be applied to the surface in 5-10 min. Once spread out, working time will be approximately 1/2 hour.  In cold weather, it is recommended that liquid and aggregate to be stored in a heated area until just prior to use.  Installation Tolerances  The following tolerances shall apply to joint installation:  joint gap ± 3 mm  deviation from plan alignment 5 mm maximum over the total length of the joint  the top surface of the joint shall be level with the adjacent road surface with a tolerance of 0 to 2 mm when measured with a 2.5 m straight edge at 90° to the joint.  HP: After concreting and prior to installation of the joint seal, the vertical face of the concrete under the full length of the joint shall be inspected for the presence of voids and other imperfections. If the joint or any of its component parts is damaged during construction, the Contractor shall repair the damage to the satisfaction of the Superintendent	Joint gap tolerance ± 3 mm  150mm Minimum width of XJS Nosing when asphalt adjacent  100mm Minimum width of XJS Nosing when concrete adjacent  Signed ITP	VicRoads 660.04 VicRoads 660.05 Manufacture Specifications	HP V	PM SE S	Initial / Date	Key	Rep	Initial / Date



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1.8	Curing Silspec	<ul> <li>Indirect heating system to be installed as per the attached drawing.</li> <li>Heating to be monitored and maintained</li> </ul>	20°C for 3-4 hours (as practicable) Signed ITP							
		during entire repair process (as practicable).	Signed TP	Contract						
		<ul> <li>The arrangement shouldn't be removed until curing period of grout is achieved (As practical within the time frame)</li> </ul>		Conditions and Specifications	V	PM SE				
		<ul> <li>Higher temperatures will shorten the cure while lower temperatures will lengthen the cure time.</li> </ul>		Manufacture Specifications		S				
		<ul> <li>Temperature monitored using a Thermometer.</li> </ul>								
1.9	Chamfer	The edges of the gap should be ground	Signed ITP	Manufactura		PM				
	Requirements	(using an angle grinder) to form a 5mm x 5mm chamfer.		Manufacture Specifications	V	SE				
		Sillin chamer.		Ор солосию		S				
1.10	Primer Application	<ul> <li>Paint the Dow Corning P5200 primer on the sides of the gap using a small paint brush.</li> </ul>	Signed ITP	Manufacture		PM				
		The primer will only take a few minutes to dry.		Specifications	V	SE S				



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1.11	Install Backing Rod and Silicone Seal (Joint Seal)	<ul> <li>The joint surfaces must be thoroughly dry and clean.</li> <li>Remove all laitance, curing compounds, form release agents, loose materials and any contaminating foreign matter from joint faces.</li> <li>Depending on the joint configuration, place with pressure fit, backing rod into the joint to support internal back of the sealant.</li> <li>Road seal is applied from 600 ml sausages or bulk containers into the joints using a suitablesealant gun.</li> <li>The Road seal does not require any tooling and the road can be opened to traffic soon after pouring and pack up.</li> </ul>	Backing rod to be pressure fit 25mm below the surface of joint.  Silicone Seal minimum 12 mm below pavement surface.  Signed ITP	VicRoads 660.04 VicRoads 660.05 Manufacture Specifications	V	PM SE S				
1.12	Sign off Upon Completion	HP: Client Representative (FH) to sign off upon completion of works.	Signed ITP	Contract Conditions and Specifications	НР	PM SE S				



SECT	ION 2 - EXPANSION J	OINT REPAIR (PROVISIONAL ITEM)	1							
Item	Activity/ Task	Inspection Point: Quality Control Activity	Acceptance	Verifying		Wara	tah Rep	Client Rep		nt Rep
No.	Description		Criteria	Document	Key	Rep	Initial / Date	Key	Rep	Initial / Date
2.1	Concrete Spalling works under the Expansion Joint (If present & Method agreed by the Client) Mix and install	<ul> <li>The joint surfaces must be thoroughly dry and clean. Be sure repair area is not less than 5 mm deep.</li> <li>Remove all laitance, curing compounds, form release agents, loose materials and any contaminating foreign matter from joint faces.</li> <li>Mechanically mix in an appropriately sized mortar mixer. Wet down all tools and mixer to be used.</li> <li>Start with 2.1 liters of water added to the mixing vessel. Add 1 bag of SikaQuick®-2500 while continuing to mix. Add up to another 0.3 liters of water to achieve desired consistency. Do not over water.</li> <li>Overall Water used for mixing should be within 2.1 – 2.4 Liters per 20 Kg Bag</li> <li>The prepared mortar must be scrubbed into the substrate. Be sure to fill all pores and voids. force materials against the edge of the repair, working towards the center. After filling the repair, screed of excess.</li> <li>Allow concrete to set to desired stiffness, then finish.</li> <li>Open to Foot traffic in 45 Mins. (at 23 degrees Celsius)</li> <li>Open to Vehicle Traffic in 1 Hour (at 23 degree Celsius)</li> </ul>	Mortar Thickness is Min 5mm and Maximum 150mm.  Mixing, placing and finishing should not exceed 15 Minutes Maximum.  Curing Temperature 23°C for 30 mins – 1 hour (as practicable) Manufacturer Specification.  Inspection by Supervisor of prepared surface Signed ITP	VicRoads 660.04 Manufacture Specifications	V	PM SE S				