Downer	
Relationships creating success	

Homai Train Station - Inspection and Test Plan

ationships creating success				
Project Area	Homai Train Station	Rev	1	Inspection and Test Codes:
Activity Title	Bearing Pad Grouting	· Date	19/12/2024	[R] Review Review of reports, records or other evidence of compliance.
Location	Piers 1 - 5 and Abutment A	Lot No.	3A-1	[1] Inspection In process check, work proceeds. Record the check if required.
Ref#	DN1212-ITP-015			[W] Witness Inspection to be witnessed on site and recorded. Record to be filed.
DNZ Project Manager:	Dan Trotman			[M] Hold No work to proceed past Hold Point until this is completed, recorded and released
AT Project Manager:	Werner Nel			
DNZ Project Engineer:	Grant Wallace			
	2135599-590-3-T-13150 - PROPOSED ACCESS RAMP- SETTOUT 2135599-590-3-T-200 - PROPOSED ACCESS RAMP- SETTION FIRE 1 DITAILS 2135599-590-3-T-3021 - PROPOSED ACCESS RAMP- DESTRING PIER 2 DITAILS 2135599-590-3-T-3021 - PROPOSED ACCESS RAMP- DESTRING PIER 2 DITAILS 2135599-590-3-T-3250 - PROPOSED ACCESS RAMP- ABUTMENT DITAILS - SHEETI 2135599-590-3-T-3250 - PROPOSED ACCESS RAMP- ABUTMENT DITAILS - SHEETI 2135599-590-3-T-3252 - PROPOSED ACCESS RAMP- ABUTMENT DITAILS - SHEETI			
Drawings/Reference Documents:				

NZS 3104: Specification for Concrete Production
NZS 3105:1997 Concrete Construction
NZS 3105:1997 Concrete Structures Standard
NZS 3121: Specification for Methods of letal for Concrete
NZS 3121: Specification for Methods of letal for Concrete Surface Finishes
NZS 3114: Specification for Concrete Surface Finishes
14ps 1C - 746:24447-AC - 1etal Spec - Geo & Struc

ITP tem#	Construction Activity or Material Element	Standard, Drawing or Specification Reference	Construction Activity Description, Test Type and Acceptance Criteria	Test Frequency	QA Record	0	rification Method Site Responsibili Engineers Rep	ties	DNZ Rep Sign and Date	
1 P	PRELIMINARY & GENERAL	CONTRACTOR OF STREET				-	/		1 1	timi karilandik kallay Kusici
1.1	Method Statement Development & Safety Analysis	The Downer Standards (TDS)	Prior to construction: document review.	Once	Method Statement & JSEA Completed & signed by relevant authority	My	R	R		24/01/25
1.2	Confirmation of superstructure position.	Signed ITP	Signed ITP required for the position of the superstructure before grouting.	Once	Signed ITP	an	w	н	Miller	2401/25
2 N	MATERIAL APPROVALS			Willer Start Victory		1.				,
2.1	Non Shrink Grout Approval	3325599-SP03-GT-3200-PROPOSED ACCESS RAMP- EXISTING PIER A DETAILS - 3235599-SP03-GT-3202-PROPOSED ACCESS RAMP- EXISTING PIER A DETAILS - 3235599-SP03-GT-3202-PROPOSED ACCESS RAMP- EXISTING PIER A DETAILS SRAMP- STRING PIER ADELING PIER PIER ADELING PIER ADELING PIER ADELING PIER ADELING PIER ADELING	Non shrink grout - sika 212 HP to be submitted to designer for review and approval as it obtains 85 Mpa after 28 Days > 50 Mpa as per 3252 - Note 1.4	Once	MDS, In Eight Ref	M	R	н	GHHHA	24/01/28
2.2	Glass Plate Trial	3235599-SP03-ST-3252 - PROPOSED ACCESS RAMP- ABUTMENT BEARING - Note	As per 3235599-5P03-5T-3252 - PROPOSED ACCESS RAMP - ABUTMENT BEARING - Note 1.4. Glass Plate trial to be undertaken to replicate bearing pad footprint of 230mm x 230mm x 20mm. Area is to be poured prior to installation of bearing grout to confirm voiding is less than 10% of area. Undertaken with MSGA observations Methodology to be submitted prior to commencement.	Once	Site Observation Report Written acceptance of material following trial.	GH)	R	н	All	24/01/25

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2.3	Curing Method	App 1C - 746-24-847-AC - Tech Spec - Geo & Struc	According to MDS sheet for Sika 212 HP, See below, grout to be sealed with timber shutter, left to cure within small shutter and then treated with Sika Anti Sol as per data sheet attached. CURING TREATMENT Formwork should be left in place for at least 5 days if possible, to prevent moisture evaporation and provide, restraint to early age hardened expansion. Once formy work is removed a situable curing membrane such as a Sika Antisol* should be applied to any exposed faces. Refer to separate data sheet for further information,? ### COMM WON ON THE STATE OF	Once	MOS Photolys	Gir	R R	Gillian	24/01/25	t- lesui?i oiChlm fe (1la
3	CONSTRUCTION ACTIVITIES		/ " /		ACCRECATE THE PARTY OF THE PART				Stranger and Appendix to the Control of the Control	
3.1	Construction Joint	3235599-5P03-5T-3252 - PROPOSED ACCESS RAMP- ABUTMENT BEARING	Formation of construction joint required on top of pier / abuttment to the construction joint must be willble.	Once	Photos	gr	R i	Allan	24/01/25.	
3.2	Grouting Pre-Pour Inspection	323599-SP03-5T-3202 - PROPOSED ACCESS RAMP-EXISTING PRIR 2 DETAILS App 1C - 746-24-46/F AC - 1 exh Spec - Geo & Struc	Check to ensure that the surface is prepped, underside of bearing pad is in correct location prior to pouring. Nominal JOmm will be poured.	Each Structure	MSQA.SVR Pre-Pour Checilist Photos	Gu/	н	gulla/	24/01/20	
3.3	Grouting Pour	3235599-5P03-T1-3252 - PROPOSED ACCESS RAMP- ABUTHERT ELARING NS 3109 AS 3102 Spec - CONOZ, 1,0,04	Concete to be abund a par manufacturer, accommendations where 3.7 litras per bag. Samples to be taken from each back under ten models where 1, 2, 3, 5, 34 and 38 day tests are to be taken from each back under that grout has reached necessary strength MIXING Place about 70–80 % of the premeasured clean water (depending on consistency required – refer to "Mix Ratio") into a clean container and gradually add the whole bag of SilaGrourt-21.2 HP into it while continuously mixing. Add the remaining water until the desired consistency is obtained. Mix for 3-5 minutes with a low speed drill (500 rpm max.), Allow to stand so any entrapped air can escape. Do not add more water to increase flow of the grout if a mix has stiffened due to time delays. If the grout is unworkable discard.	Once	Photos Test Report for Compressive Strength	gy/	: R	Gulle	24/61	
3.4	Past Pour Inspection FINAL RECORDS	App 1C - 746-24-847-AC - Tech Spec - Geo & Struc 3235599-5703-51-3003 NZS 3114	Joint Inspection be undertaken with designer to Inspect shutters of structure following removal of shutters and survey/ check dimension of structure have achieved sipulated tolerances stated in drawing suite and NZS 3109	Once	Visual Inspection Photos	Offi !	w	MILLE	2461	-
4.1	As-Built	N/A				1011	MANAGER AND	Malan	001/-1	1
4.2	Non-conformances	DN2212-00W-PLA-PM-0005 QMP	Installed as per design drawings. All compliance recorded CAD files Non-conformances reports to be raised when specification not met. All non-conformances within the area under review need to be listed on the NCR report. NCR Reference	Once Each NCR	As-Bullt NCR forms on inEight	H R	R	V/A	"HGO!"	

		This was will be done nort inct	allation of steel. Steel install will cover the bolt	t installation etc.			
Please note, this ITP is only in relation to	the grouting of the bearing pads on each of the abutmer	its and piers. This work will be done post inst	andtion of steel, steel mistan win cover the son	,			
NCR03 raised for Sik	a Monotop 438R Abutment A Plir	th East - For No test cylind	lers taken				
NOTOS Talsed for Olk	a Monotop 43011 Abdithent A 1 III	itil Last - I of No test cylling	iers takeri.				
			ITP APPROVAL PROCESS				
		THE STATE OF	OCI 1/a =				
Prepared By: Project Engineer	Grant Wallace	Signed:	Date: 99101195				
		- Committee of the comm	Date:				
Reviewed By: Project Menager	Dan Trotman	Signed:		-			
	Nas Matar	Signed:	Date:				
Reviewed by: Quality Eng./Mgr.	Na mau			-			
Reviewed By: Design Engineer	Daniel Cvitanich	Signed:	Date:				
Vaktemed pil Naright cultures				1			
Reviewed By: AY Project Manager	Werner Nel	Signed:	Date:				
		Signed:	Date:				
Reviewed By: AT Engineer to Contract	Mike Robertson	3,544	FINAL ITP CLOSE-OUT				
FINAL IT PLOSE-DUT							
Downer Project/Site Engineer	Grant Wallace	Signed:	Date:				
	Nas Matar		Date: 13/02/2025				
O4 Mer/Environe	inas ivialai	Signed:	13/02/2023				

QA Mgr/Engineer