



ASM – AHB STRUCTURAL INSPECTION

Pier Bracket External Principal (Pier 6)

SOLOCI EXE SOLO TO DECEMBER 2021 REVISION





DOCUMENT CONTROL

Report

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Inspection Det	ails	
Inspector	Date of Inspection	MA
s 9(2)(a)	04/11/2021 to 05/11/2021	
	04/11/2021 to 05/11/2021	AF
Quality Assura	nce	
-	ance Statement	

Quality Assurance

Quality Assurance Sta	atement	
Report Prepared by: s 9(2)(a	a)	
Report Reviewed by:	s 9(2)(a) 11/01/22	
Approved for issue by:	s 9(2)(a) 12/01/22	
Issued to:	s 9(2)(a) (12-10-22)	

Revision Control

Revision Name	Date	Description	

198'



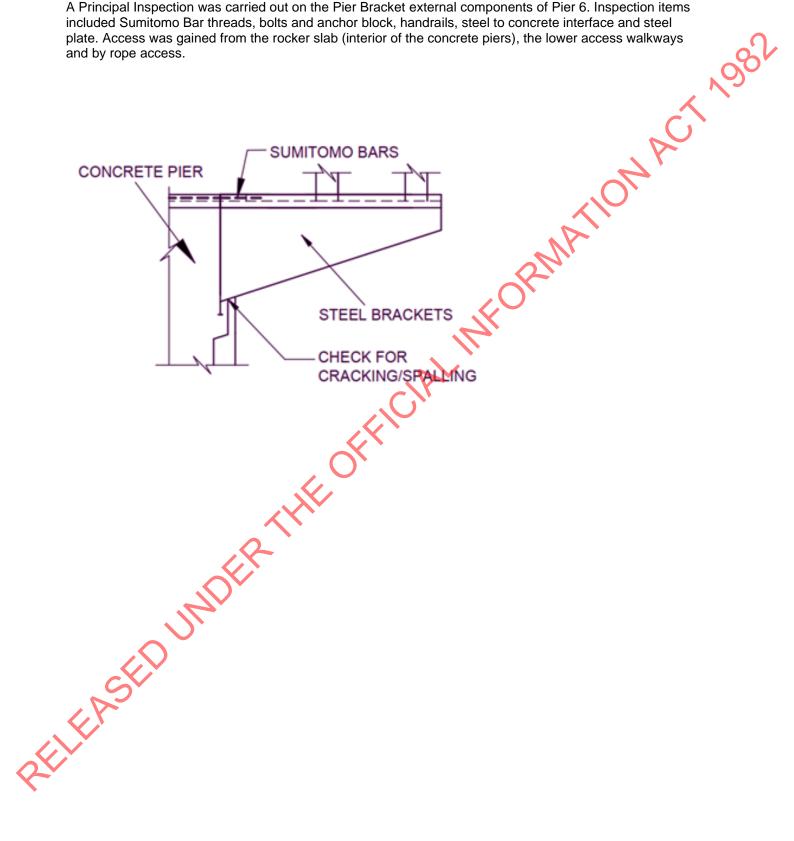
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SCOPE

A Principal Inspection was carried out on the Pier Bracket external components of Pier 6. Inspection items included Sumitomo Bar threads, bolts and anchor block, handrails, steel to concrete interface and steel plate. Access was gained from the rocker slab (interior of the concrete piers), the lower access walkways and by rope access.





CONDITION RATING

- Heren Marion Act 1982 The general condition of the pier bracket externals can be described as moderate. There was noted section loss on both sides. The underside of East Pier Bracket has minor section loss and requires attention. The handrail of the East Pier Bracket has minor to major section loss and needs to be replaced.

Table 1 – General Condition Ratings

Mark	Priority	No. Defects
I	-	-
2	-	-
R	Н	9
R	М	-
R	L	1
S	н	2
S	М	-
S	L	-
Total		12
FAST	Ś	F



3 DEFECTS

3.1 Pier 6 Brackets External East Side

Photo ID	Marking Code	Description of Defects	Maintenance/ Repairs Recommendations	Maintenance/ Repairs Priority & Timeframe
PBE1.			000000000000000000000000000000000000000	
PBE2.	R		P6 NE SL SIM	
4×		Concrete to steel interface North-east. Section Loss (5mm).	Blast and Paint.	H 1 Year



Photo ID	Marking Code	Description of Defects	Maintenance/ Repairs Recommendations	Maintenance/ Repairs Priority & Timeframe
PBE3.				1000 A
PBE4.	R			
		Underside Pier Brackets to concrete interface North- east. Minor Section Loss	Blast and Paint	H 1 Year



Photo ID	Marking Code	Description of Defects	Maintenance/ Repairs Recommendations	Maintenance/ Repairs Priority & Timeframe
PBE5.				1000 A 10000 A 1000 A 1
PBE6.	R			
		Underside Pier Brackets East side. Minor Section Loss.	Blast and Paint	H 1 Year



Photo ID	Marking Code	Description of Defects	Maintenance/ Repairs Recommendations	Maintenance/ Repairs Priority & Timeframe
PBE7.	R	Underside Pier Brackets to concrete interface South construction	Blast and Paint	H 1 Year
PBE8.	R			
		Concrete to steel interface South-east. Section Loss.	Blast and Paint	H 1 Year



Photo ID	Marking Code	Description of Defects	Maintenance/ Repairs Recommendations	Maintenance/ Repairs Priority & Timeframe
PBE9.			A CRANATION	A 987
	S		PGE may	
PBE10.	ASE			

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Photo ID	Marking Code	Description of Defects	Maintenance/ Repairs Recommendations	Maintenance/ Repairs Priority & Timeframe
PBE11.			ALLANA O	Reader
		Pier 6 East side Handrail. Typical. Minor Section Loss to Major Section Loss.	Replace Handrail	H 1 Year
RELE	ASE	Junder		



3.2 Pier 6 Brackets External West Side

Photo ID	Marking Code	Description of Defects	Maintenance/ Repairs Recommendations	Maintenance/ Repairs Priority & Timeframe
PBE12.			GRAM	
PBE13.	R		RENNA	
		Concrete to steel interface North-west. Moderate Surface corrosion.	Blast and Paint	L 2+ Years



Photo ID	Marking Code	Description of Defects	Maintenance/ Repairs Recommendations	Maintenance/ Repairs Priority & Timeframe
PBE14.	R	Concrete to steel interface North-west.	Blast and Paint	H 1 Year
PBE15.	R			
		Underside Pier Brackets. Severe Surface Corrosion to Minor section Loss.	Blast and Paint	H 1 Year



Photo ID	Marking Code	Description of Defects	Maintenance/ Repairs Recommendations	Maintenance/ Repairs Priority & Timeframe
PBE16.	R	Concrete to steel interface South-west	Blast and Paint	H
		Severe surface corrosion to Minor section Loss.	Blast and Paint	1 Year
PBE17.	S			
		Pier 6 East side Handrail. Typical. Severe Surface Corrosion to Minor Section Loss.	Blast and Paint	H 1 Year



APPENDIX A – MARKING CODE AND PRIORITISATION OF THE ATTER UNDER THE OFFICIAL INFORMATION ACT 1982 WORKS