IF/K-02						
	 DNDROOK					
		KOONDROOK BRIDGE RESTORATION/CROSSING HISTORY				
		TEMPORARY 'MABEY' BRIDGE OVER RIVER		AERIAL VIEW OF WORK SITE NO	OVEMBER 2017	
	IMAGE 1		IMAGE 2			
		NEW VICTORIAN TRUSS BEING TRANSPORTED JUNE 2018	ON SITE	WORK SITE JUNE 2018		
IMAGE 1 IMAGE 2 IMAGE 3 IMAGE 4 2980	IMAGE 3		IMAGE 4			
<complex-block><complex-block><complex-block><complex-block><complex-block><complex-block><complex-block><complex-block><complex-block></complex-block></complex-block></complex-block></complex-block></complex-block></complex-block></complex-block></complex-block></complex-block>		Barham Koondrook Bridge restoration – 2012 to 2018 Barham Koondrook Bridge, built in 1904, is one of the oldest lift span bridges on the Murray River. It is listed on the N Victorian State Heritage register and must be retained for its heritage value.				
		Roads and Maritime Services began restoring the historic lift span bridge in April 2012. The work involved repairing the mechanical components on the lift span and replacing the NSW approach span.				
		The next stages of work involved replacing the NSW and Victorian bridge abutments, approach spans and piers, replative two timber 'de Burgh' truss spans and deck, and painting and mechanical upgrade of the lift span towers.				
		The project was also extended to include a new pedestrian footway, lighting, repairing corrosion on the lift span and p installing new bearings on lift span piers and installing a modern and reliable electrical and hydraulic lift span control s including a modern access ladder. The bridge was strengthened to carry heavier 68 tonne B-double trucks				
		Before this work began, traffic and pedestrians were moved onto a temporary bridge in May 2017, which was used fo duration of the work. The Mabey Compact 200 was owned by Roads and Maritime and allowed for a more efficient w				
		Work on the existing bridge then started by Roads and Maritime's own bridge maintenance crews which included bric carpenters, truck drivers, labourers, supervisors and engineers. However there was a huge amount of work in the few prior including environmental assessment, cutting and shaping the timber trusses off site in Wagga Wagga, construct road approaches to the temporary bridge and installing the temporary bridge by launching it across the river from the side.				
		The community had an amazing view of bridge engineering right on their doorstep. A 'lift and skate' gantry was used ¹ old timber trusses off the bridge and transport them away. The new trusses were then transported to site and lifted ar across the gantry into position on the bridge.				
		Some of the challenges of this complex restoration project included: •Working in both NSW and Victoria between twin towns; •An 18 month environmental assessment process including evaluating a suitable location for a temporary cross •Poor condition of the old bridge; •Uncontrolled and unpredictable river levels; •Designing a new pedestrian footway with minimal impact on heritage significance; •Maintaining a navigable waterway.				
		The park furniture you see in Barham and in Koondrook is part of the Urban Design Strategy that was developed to ere the understanding and appreciation of the heritage and cultural values of Barham Koondrook Bridge and surrounding landscape. Each piece of furniture is either built to replicate a bridge building technique or uses elements from the bric collected during the restoration process. The temporary bridge concrete abutments still remain, with the NSW abutmer in the park and the Victorian abutment being used as the viewing platform.				
NOTES 1. TO BE INSTALLED ON INFORMATION SHELTER AS DETAILED IN LD-404 2. IMAGES AND TEXT ARE SUBJECT TO CHANGE		The overall cost to restore the Barham Koond the project was completed in December 2018 major maintenance work will be required for a	lrook Bridge was \$, with the site com at least another 20	\$25 million with Victoria funding ha pounds dismantled in early 2019. years.	if the project. The m Since the restoratio	
04 100% DOCUMENTATION HP 03/08/2018 SCALES 66 borman street pymont nsw 2009 australia t +612 95/1 7900 ROADS A 03 100% DOCUMENTATION AM 25/06/2018 0 200 400mm t +612 95/1 7900 Full of the street	ROADS AND MARITIME SERVICES BARHAM-KOONDROOK BRIDGE LANDSCAPE DESIGN & HERITAGE INTERPRETATION HERITAGE INTERPRETATION DETAILS INFORMATION SHELTER ARTWORK IV			DRAWING DWG_LD_510	03/08/2018	
02 100% DOCUMENTATION MMG 23/05/2017 01 FOR INFORMATION MMG 2/03/2017 No. Amendment Description Initials Date Designed MW/MMG				REGISTRATION NUMBER KIS-1607-DWG-LD-510		
As original This sheet may be prepared using colour and may be incomplete if copied [Co-ordinate System: MGA Zone 56] Height Datum: A.H.D. REVIEWED, JVG						

