

20 March, 2023

Attention: Department of Transport & Planning

## **TRAM MAINTENANCE AND STABLING FACILITY**

### **RELOCATION OF MURAL**

#### **APPRECIATION**

As part of the upgrade of facilities at 61-71 Williamsons Road, Maidstone, Victoria, 3012 existing buildings are to be demolished to make way for the new facility. The existing site has a long history from being part of the Maribyrnong Ordnance Factory to housing emigrants during World War II to an accommodation facility for Victorian University. On site there are several murals which have cultural significance. It has been decided to investigate the possibility of relocating them.

The murals are painted on double brick buildings. The brick building is illustrated in the photograph below.





From a structural point of view the walls are double brick founded on a concrete slab. A veranda surrounds the building on four sides. The side walls are approximately 8 m long by 3.2m high.

## METHODOLOGY

The wall housing the mural is in relatively good condition and we believe that it can be safely extracted from an existing building

- Broadly speaking the mural would be cut out from the existing wall and carted off via a crane to the new location. The mural would be sandwiched in a frame before being extracted from the existing wall. We estimate that the frame and mural would weigh approx. 2.6 tons.
- Before the mural is removed the existing wall would have to be framed and supported by auxiliary structural elements so that it does not collapse during the mural extraction.
- In addition to the above access for a crane is required and the roof removed so that the frame housing the mural can easily be lifted

The steps are summarised here below

- Frame the existing building to provide temporary support around the opening
- Provide a frame to encapsulate the mural
- Remove portion of the roof to gain access to the frame
- Wire Cut through the double brick wall
- Carefully extract the mural using the crane

## COST ESTIMATE

We have estimated the cost as follows

Activity	Plant/Labour	Cost
Design of Frame and Auxiliary Building Support	Temp Works Design	[REDACTED]
Removal of Rood and installation Props	Labour 120-man hours	
Installation of Frame	16-man hours	
Materials	1.5 t at [REDACTED]	
Removal of the Crane	Lump Sum	

## RELATED PROBLEMS

A crane pad or hard stand is required to be built so that a crane can be positioned right up close to the building. Once the mural is lifted it would require transport via a flat bed. The load is not excessive; estimated at 2.6 ton including the frame.

The building would be demolished afterward.

Should the graffiti be able to be easily removed and the mural can be preserved, we do not perceive any issues with this project.

Please do not hesitate to contact me should you require further information.

Yours Sincerely,



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