| Existing Use/Type Structure | Key Dates Original 1968 | No. | No. Site Address Street/Site Name Over Barwon River | | |
|---|-------------------------------|-------------|---|-------------------------|--|
| Survey DateCons Man | | To | | ver M Postcode I | |
| 16/04/1998 High Prio | | ,3 | Belmont | 3216 N | |
| | Precinct Name | | Current Site Name | | |
| Recorded By David Rowe | Kardinia | | Macintyre Foot Bridge | s | |
| Heritage Status | Heritage S | etudy Degre | ees of Significan | T R A T I V E S H E E T | |
| Register of the National Estate | | | | | |
| Database No. File No. | A H C Assessme | nt Criteria | Significance Lev | vel | |
| | Aesthetic value | | | | |
| Victorian Heritage Register | Historic value A.4 | | Regional | | |
| | Scientific value F.1 | | Regional | | |
| Planning Scheme: | Social value | | | | |
| C.G.G. | | | | | |
| Heritage Inventory (Archaeological) | Overall Significa | nce Level | Regional | | |
| National Trust Register: Other: Recommended Heritage Listings Victorian Heritage Register Victorian Heritage Inventory Register of the National Estate HO City of Greater Geelong | Condition of the f | abric | Integrity of the site Excellent Good Fair Poor Partially excavated Fully excavated | | |

| Т | Precinct Name Kardin | ia | | | Site Address |
|----|--|-------------------------------|----------------|--|---|
| E | Site Plan/Location Sketch (not to so | ale) | | | No. Street/Site Name |
| С | RD Land Wood WEST | 2 | MARSHA | \$1 BB | Over Barwon River |
| Н | HAM POR Shanned | EN 1: 93 10 | | ST Memoria Swimmin | Town/Suburb Postcode |
| N | Shahnod Rolleway N Frier I'll Shah Shah Shah Shah Shah Shah Shah Sh | N PRICE | ST N ST | ST S | Belmont 3216 |
| I | RD Balyang ST WW B 25 25 | RUTLAN | CMSBU TS OMSBU | RNLEIG WOODSIG | Site Name |
| С | GELON S | NWC | 3220 - | / Barwon O SANS | Macintyre Foot Bridge |
| Α | RIVERSDALC (Burt 1850) | Access! | Track Track | AMAGINATION TOF | Australian Map Grid |
| L | Hockey Sanctuary | pn | 4.8n clea | River Harrison of | Co-ordinates |
| | King Lloyd Fields King Lloyd Rawon Valley Par | 88Q • | V Sonvion | Salv Army Rardinia | E 267470km N 5772425km |
| S | Hec Res PJ River GLEN | 1 2 | 30 30 | Company of The Party of The Par | Map Melway map 227 |
| Н | Wetlands ALBERT TCE Princes Bridge ALBERT TCE Park Bridge Park Bridge ALBERT TCE Park Bridge Bridge Park Bridge Bridg | OUARR | 2 | 10 CK | Scale 1:20,000 |
| E | Pridged VICTORIA TCE DOWNSHIRE OF THE PARTY | 5 | EW ST SOMA | ERS Cameron ST | 33.3 |
| E | Volunto Para Para Para Para Para Para Para Par | E AV FINE | RVIEW EA | | Ownership |
| Т | AV PLEASANT | AV SIN | SEAV RIVE | Beimant Barwan Plaza Plaza Activity Centra | • |
| | TIVERTON ST ON ST GARAGE ST ST ST GARAGE ST ST ST GARAGE ST | mont Sapi Sa | 70 20 20 E | No Belmont Market Sunday anly | Cadastral Location |
| | SHORTH SHACKLETON KENNETH ST. SHACKLETON | Sch McDONAL St. Steps | 7/200 | M RD | County |
| | S 2 UNO & 77 | Z P 30/3 | | Gastan A | Parish Barrabool |
| | ROSLYN A SOUTH 130 W AND ST. T. T | | | PDE BATMAN TON | Allotment |
| | POLSON School of KITEROA Q 10 135 To 100 100 100 100 100 100 100 100 100 10 | 1 | Jacob Care | Barwon Valley Ba | |
| | ARA ST ROGED HARROW SEE WIMMARD ARE | X | ROSL | YN MITCHELL | Block |
| | industrial public inf | sidenti rastrud aritime | cture 🗌 | | te |
| | Historical Themes | | | | |
| | Heritage Study Theme | Al | HC Then No. | | AHC Theme leritage Study Theme No. |
| | Early settlement | | 110. | | dustry |
| | Maritime | | | Communi | |
| | | | | Urbani | |
| | Tourism | | | | |
| | Transport | | | Lands | |
| | Townships tpsInfrastructure | | | Miscella | neous |
| | Significant Architectural Features Original Materials Original Chimneys Wall Decoration Verandah Structure Verandah Decoration Original Paramet Human; mining | | | | |
| | ☐ Original Parapet ☐ Other Prominent Elevat | ions | | | uman; visitor erosion |
| P | Appropriate Fence | | | | uman; vandalism |
| 4 | ☐ Early Garden | | | | uman; development |
| G | Roof | | | _ | uman; conservation/maintenance |
| Εļ | Openings | | | | uman; stock atural Forces; erosion |
| 2 | Decoration Decoration | | | | atural Forces, erosion atural Forces; vegetation |
| 0 | Finish Unpainted | | | · — | ot threatened |
| f | Stylistic Concrete suspension | brida | e | | |
| 4 | Character | ag | | | |

| C:to | No. | Street/Site Name | ite Name Town/Suburb Postcode | | Postcode | | |
|--|----------|---|---|---|----------------|--|--|
| Site | | Over Barwon River | В | elmont | 3216 | | |
| Address | | | Site Name | Macintyre Fo | oot Bridge | | |
| Description This bridge over the Barwon River at Belmont consists of a continuous reinforced concrete girder of trapezoidal pross-section, forming two 55 metre side spans and a 82 metre centre span. Two vertical reinforced concrete tays are located at the centre of both pylons, to provide the necessary stiffness without haunches, which would interfere with both road clearance and floodway. Tension cabling as additional supports and are pivoted about the stays. The concrete pipe underneath is a critical part of the girder, relying upon the PVC lining to resist themical attack on the concrete. | | | | | | | |
| The bridge is a sig Riverview Terrace | | urban focus from the banks of the E | Barwon River a | and from the northe | ern section of | | |
| History The Geelong Waterworks and Sewerage Trust designed an 82 metre span tubular steel tied arch (carrying a 1.07 metre diameter steel pipeline which would form three self-supporting 18 metre spans on either side of the arch) in 1967 as part of the \$5.8 million outfall sewer project. A primary reason for the bridge was to relieve the demand on the ovoid sewerage aqueduct in Breakwater. However in 1968, D.A. Constructions successfully tendered on the basis of an alternative design by J.L. van der Molen, engineer, which was subsequently constructed. This bridge is one of the first concrete structures to require a computer to control the construction. The computer program, by D. Beresford of the CSIRO Division of Building Research, predicted deflection at each stage of construction, and determined form levels after allowance for shrinkage and creep. | | | | | | | |
| | nly appi | gnificant Urban Character Flicable to places in precincts) Similar Types Similar Styles Similar Construction Dates Appropriate Set Backs | Precinct Appropriate Appropriate Appropriate | Name Kard | linia ing s | | |
| Urban | ı Desigr | Significant Historical Developm | nent | nal Paving opriate Allotment S opriate Street Furni | izes iture | | |
| Land | scaping | ☐ Treelines ☐ Public Gardens | ☐ Median S | trips Nature St | trips | | |

| Site | No. | Street/Site Name | Towi | n/Suburb | Postcode |
|--|-------------------------------|---|------------------------|---|--|
| Site Address | | Over Barwon River | Be | lmont | 3216 |
| Address | | | Site Name | Macintyre F | oot Bridge |
| Statement of The Macintyre For REGIONAL level. | Cultural ot Bridge o | Significance over the Barwon River at Belmont ciated with the further development | is <i>historically</i> | and scientifica s sewage infrasti | Ily significant at a ucture and is one of |
| | | Bridge over the Barwon River at I | | _ | |
| Engineers, Engin | eering Herita gineering He | tures of Geelong', Council for the His age Branch, tour notes, 25 February, eritage Tour of Geelong', Engineering | 1990, p.11. | | 3 |