

Warrandyte Bridge Urban Design Advisory Panel Recommendation Summary

December 2017

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Summary of Urban Design Advisory Panel (UDAP) Recommendation report

In line with the Warrandyte Bridge UDAP Recommendation report issued in August 2017, the below outlines the recommendations that have been implemented into the final design:

Topic A Landscape integration

The area adjacent to the bridge and any areas disturbed by the construction works as indicated on the landscape plans shall be re-vegetated using locally indigenous species (refer planting sheet and dark green areas on the plans).

Landscape integration will be delivered as a coordinated approach between VicRoads, Nillumbik City Council and Manningham City Council.

Topic A Halfpenny Creek Revegetation

A clean up and revegetation of Halfpenny Creek shall be undertaken following the completion of the bridge works. Prior to this, discussions shall be held with Melbourne Water and the Shire of Nillumbik to establish management responsibilities and maintenance of this area into the future. The revegetation plan shall include identification of any significant remnant vegetation, (including protection measures), identification of key weed species, control strategies, a revegetation plan (with canopy trees) and an outline of management requirements into the future. A maintenance programme of approximately 3-5 years should be included in the contract of the specialist contractor engaged to undertake the works.

Topic B Pedestrian movement

To facilitate safe east / west pedestrian movement, a new pedestrian path shall be constructed under the bridge passing to the north of the first pier. On the south-western side, direct steps down to the park space shall be constructed with an additional ramped pathway accommodating pedestrian movement along Yarra Street to the west.

The existing grassed open space area shall be upgraded to a community open space including pathways, seating, planting, interpretive signage, and a possible sculpture referencing the history of the original bridge. Final design of this space is subject to further consultation with the City of Manningham.

Topic C Footpath surface

All footpaths on the bridge shall be coloured insitu concrete (sand coloured oxide with the aggregate to be a local Coldstream rock similar to the concrete pavement near the Bendigo Bank in Yarra St). The bridge footpaths should have a sand blast finish with a banded or simple pattern design to be prepared with input from local artists or the Community.

Topic D Rock Beaching

Rock beaching for the project including proposed new beaching under the bridge and lining to the proposed drainage channel on the north-eastern side shall be a local rock from Coldstream or Castella Quarries.

Topic E Retaining walls

The proposed precast retaining walls on the northern side of the bridge (north of Research Road) shall have a matching colour and finish. Facing the columns with local stone is still being explored (Coldstream or Castella rock). The landscaped areas around the base of the bridge shall include local rock to visually connect to the use of similar stone and rock in the precinct.

Topic E Bridge End Post

The four insitu concrete end posts on the bridge shall be faced with local stones (Coldstream or Castella Stone). Workmanship shall be undertaken by an experienced stone mason with tight mortar joints.

Topic E Kerbs

The new kerb on Yarra Street should be extended up to the pedestrian crossovers and constructed in Kanmantoo Stone (to match the existing kerbs).

Topic F Bridge abutments

Insitu concrete for the abutments on the northern and southern sides of the bridge shall be coloured concrete a warm sand colour similar to the footpaths. All off-form concrete shall have form liners with an approved wood grain finish.

Topic G Outer bridge railings

The outer bridge railings shall be made from mild steel plate in accordance with the sketch details provided in the drawing package presented to the Urban Design Panel. This includes the dual posts support with openings in the columns. The railing panels shall have plate steel fins, a leaning rail and a hot dipped galvanised finish prior to painting. All steel components shall be painted dark green.

Topic H Yarra Street pedestrian fencing

The pedestrian railings to the bridge approaches shall match the outer bridge railing. The handrail posts to the steps down to the park space shall be in timber with a galvanised steel handrail. South of the steps the pedestrian barrier can be the same as Manningham Council's timber post and cable treatment.

Topic I Guard Rails and railings

The uses of VicRoads standard steel guard rails on an either side of the bridge is acceptable provided they are painted dark green (to match to colour of the railing on the bridge when it was constructed). This includes the steel vehicle railing on the bridge, the guard rail on the northern side and the proposed bollards. The preferred entry absorbing terminal to the end of the guard rail shall be the simple chevron type (without the yellow end). Class 1 hardwood timber battens shall be used to provide a safe backing to the guardrail (rather than the standard recycled plastic timber).

Topic I Bollards

The impact absorbing bollards to the bridge approaches shall be painted dark green.

Topic L Fauna Crossings

In accordance with the recommendations of the ARCUE report, fauna crossings should be included within the scope of the project. This includes the proposed rope crossing on the southern side of the bridge (dark grey or black rope preferred), and the culvert crossing within the upper section of rock beaching on the northern side of the bridge. This culvert crossing shall be not less than 500mm deep. Timber log rails shall be attached to the upper sections of the bridge abutments on both the northern and southern sides to provide an elevated crossing for arboreal species such as possums and koalas etc.

Next Steps

VicRoads has awarded the contract to upgrade the bridge to VEC Civil Engineering Pty Ltd (VEC). VEC has advanced capabilities including the construction of bridges and structures, road construction, rail infrastructure, steel fabrication, marine and water infrastructure.

Site establishment for the Warrandyte Bridge upgrade will commence in early 2018.

Our objectives for community engagement include:

- To provide early and clear notification of construction impacts;
- To provide advice around bridge closures and detours;
- To provide ongoing advice around the bridge project during fire season; and
- To reassure the community of their safety during bush fire season whilst the bridge works are being undertaken.

The Urban Design Panel and Warrandyte community will receive monthly e-newsletters via the current email subscription. Our overall community engagement activities include:

- Ongoing collaboration with CFA and VicPolice to inform the community and ensure community safety during the works;
- Community project notification, initial project letterbox drops and ongoing monthly e-newsletters;
- Construction notifications to impacted residents and businesses;
- VicRoads stall at Warrandyte Riverside Market on 3 February and 3 March;
- Local radio and newspaper advertisement including project information and bridge impacts/closures; and
- Social media campaign supported by CFA and local Councils.

VicRoads and VEC are committed to keeping the Warrandyte community informed throughout this improvement project.

Appendix A – Warrandyte Bridge north



