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Swan River Crossings Project

Alignment Options Assessment – Community Forum 11 May 2021



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Acknowledgement of Country



Purpose of today

- Present the key considerations of the four alignment options under assessment.
- Seek feedback from highly interested and key stakeholder representatives, and acknowledge your role in influencing the assessment.
- Forum feedback will be considered, with wider community and stakeholder feedback, and incorporated into the Alliance's final recommendation.
- Outline next steps and our approach to community and stakeholder engagement, for this and future consultations.

Past forums

Two community forums were held in 2020 to workshop the investigation process and constraints for the alignment with invited stakeholders.

Outcomes of the last forum on 25 November 2020:

- Views differed on the preferred location of the bridges.
- Preferred choice for freight transport was rail, rather than trucks.
- Port restrictions and long passenger rail shuts not feasible.
- Closing roads and bridges for long periods would result in impacts to local business.
- Heritage of the traffic bridge is important. How can this best be achieved?
- How people ride, walk and connect from one side of the river to the other is important.
- Project provides opportunity to facilitate more use of the river and foreshores.
- Support for the contract to proceed, on understanding Government would require Alliance to investigate the best location for the bridges and continue consultation with community and stakeholders.



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Project update



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mainroads
WESTERN AUSTRALIA

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Contract awarded to Fremantle Bridges Alliance February 2021:

Main Roads

Laing O'Rourke

Arup

WSP Australia

- Alliance team started Alignment Options Assessment – primary task to identify any reason why an option **can not** proceed to concept design phase
- Technical work has reached interim status – **all four options are still alive**
- Community and stakeholder feedback needed to complete the Options Assessment and form a recommendation





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Options and technical outcomes so far

Option 1

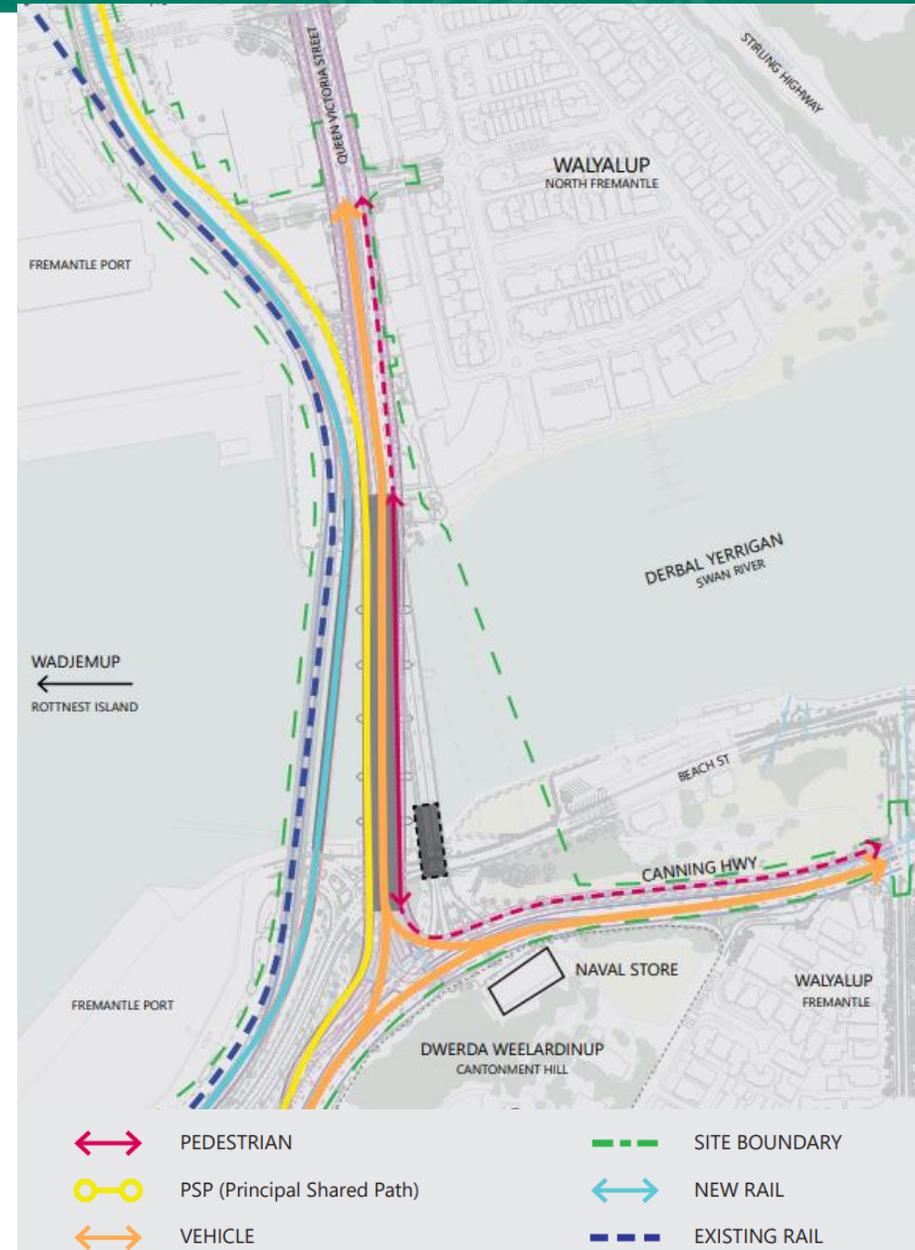
Between the bridges, two rail tracks



- ↔ PEDESTRIAN
- ⊕ PSP (Principal Shared Path)
- ↔ VEHICLE
- - - SITE BOUNDARY
- ↔ NEW RAIL
- - - EXISTING RAIL

Option 2

Between the bridges, one rail track



Option 3

Two rail tracks between the bridges,
new traffic bridge east



Option 4

Two rail tracks between the bridges,
new traffic bridge on existing alignment



- ↔ PEDESTRIAN
- ⚓ PSP (Principal Shared Path)
- ↔ VEHICLE
- - - SITE BOUNDARY
- ↔ NEW RAIL
- - - EXISTING RAIL

	OPTION 1	OPTION 2	OPTION 3	OPTION 4
Four lanes traffic	✓	✓	✓	✓
Rail tracks	2 new tracks	1 new track	2 new tracks	2 new tracks
PSP on western side of road bridge	✓	✓	✓	✓
Footpath eastern side of road bridge	✓	✓	✓	✓
Available space for activation opportunities	High	High	Low	No change
Opportunity to retain southern portion of FTB	✓	✓	✓	✗
Reduce impact to Ferry Capstan	✗	✗	✓	✗
Reduced construction complexities	✗	✗	✓	✓
Horizontal distance between new bridge and closest North Fremantle Properties	25 metres	25 metres	11 metres	22 metres
Estimated completion	Late 2025	Late 2025	Late 2024	Late 2024
CONSTRUCTION IMPACTS				
Road	Partial lane closure on traffic bridge	Partial lane closure on traffic bridge	Partial lane closure on traffic bridge	Full closure on traffic bridge
Rail	Estimated 3 shuts between North Fremantle and Fremantle			
River	Navigational channel disruptions (southern channel access maintained)			



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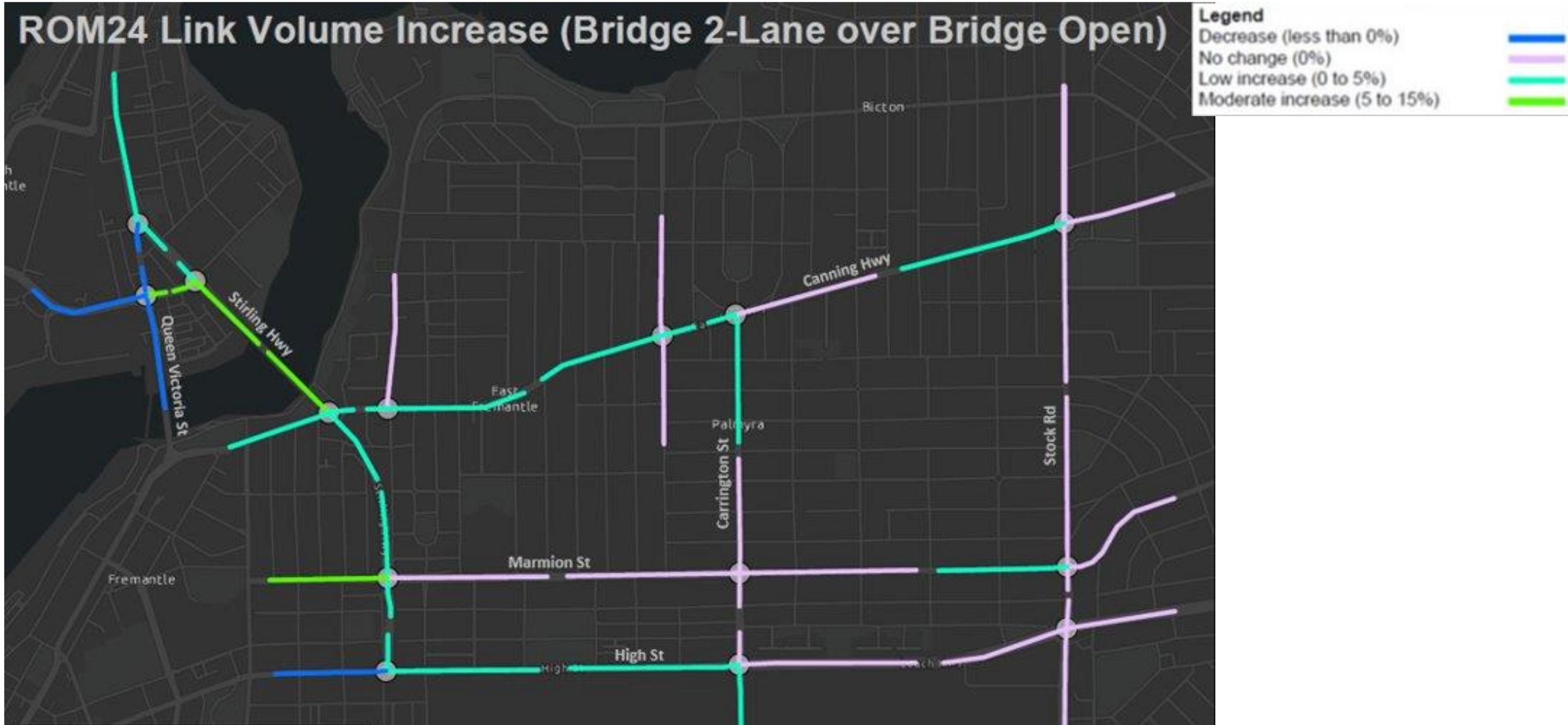
Traffic impacts

Traffic impacts

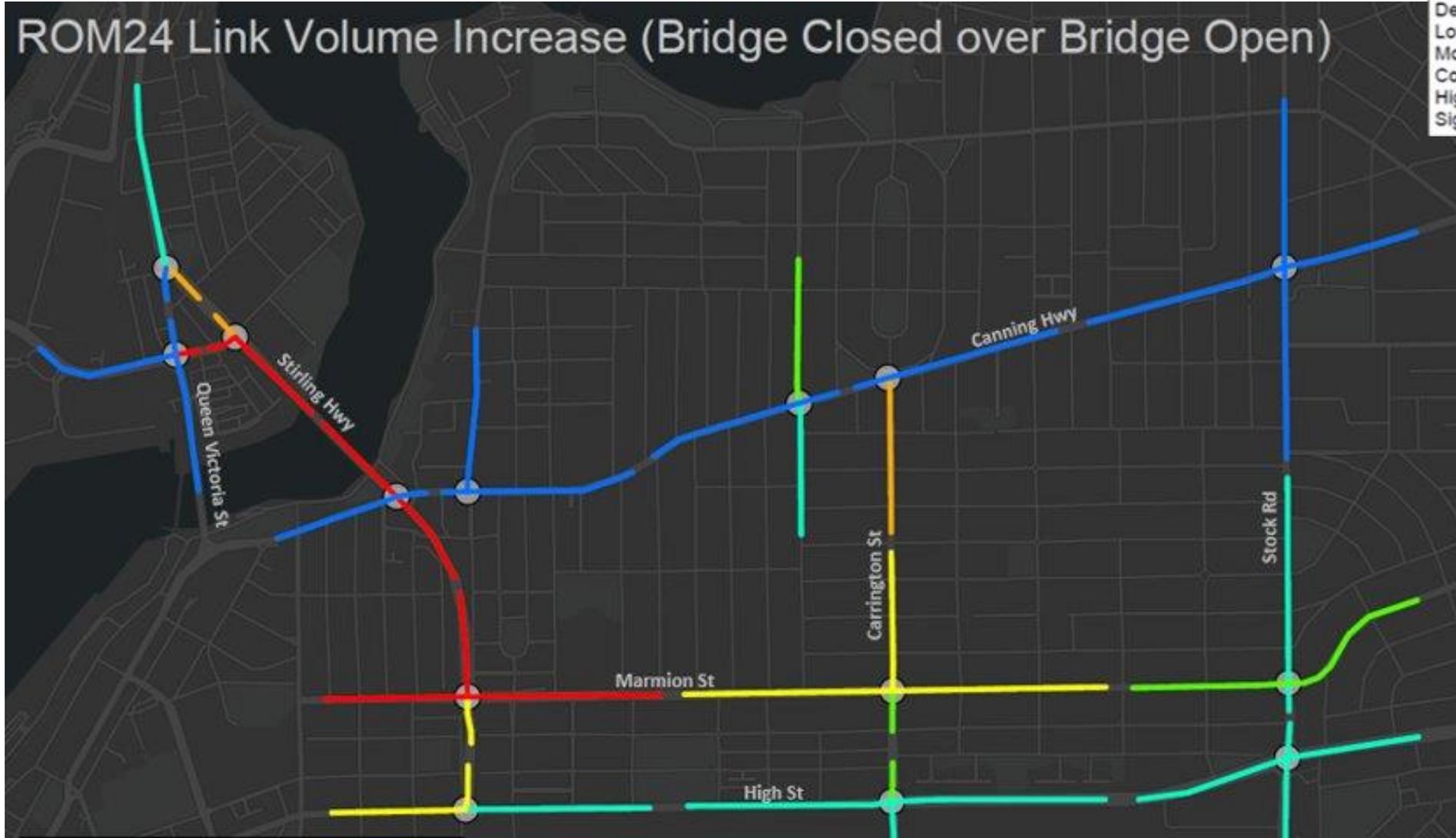
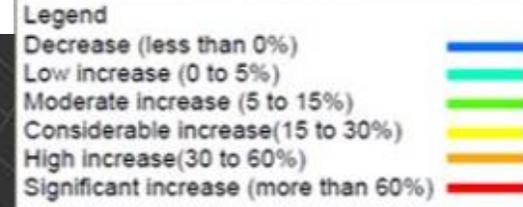
- Alliance team has been modelling and testing traffic impacts during construction – there are essentially two scenarios, with some variations
- Options 1, 2 and 3 requires one lane to be closed on the existing traffic bridge, in each direction, for an extended duration (i.e. more than two years)
- Option 4 requires the full closure of the existing traffic bridge for up to two years
- Extensive modelling work has been done to predict the impacts on local and extended traffic network
- Now seeking feedback on community and stakeholder responses to these types of impacts

Traffic and bridge closures

- **Options 1,2,3** – partial closure for more than two years:
 - delayed journey times at Stirling Highway / Canning Highway
 - delayed journey times at Stirling Highway / Marmion Avenue
 - delayed journey times at Stirling Highway / Tydeman Road
- **Option 4** – full closure for up to 2 years:
 - traffic management at various intersections
 - diversion of buses 998, 999 and 103
 - delayed journey times on various routes
 - significant increased volumes on Stirling Bridge



ROM24 Link Volume Increase (Bridge Closed over Bridge Open)





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Workshop activity – feedback on options



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Community and stakeholder engagement

Consultation over life of project

SWAN RIVER CROSSINGS PROJECT TIMELINE



SWAN RIVER CROSSINGS TIMELINE 2021

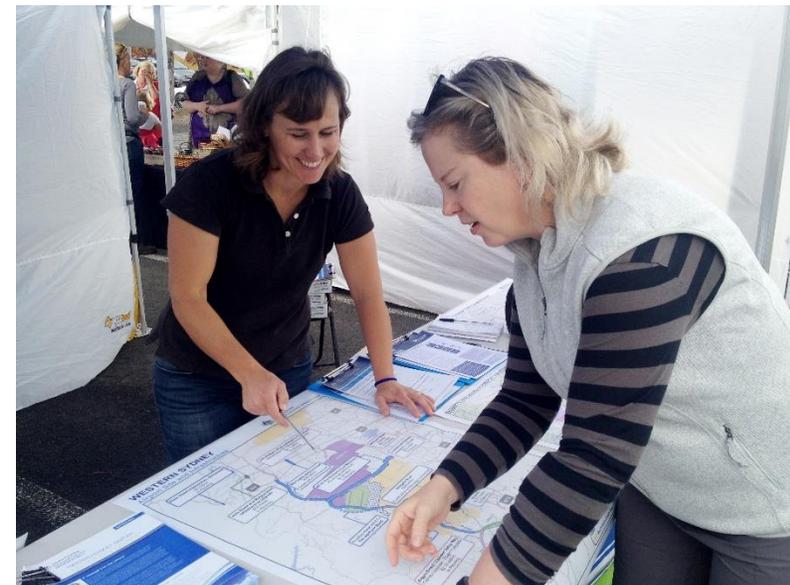
Community and stakeholder engagement



Engagement methods

Consultation methods for alignment:

- Face-to-face briefings / meetings
- Workshops
- Pop-up information events
- Written updates
- Online engagement – webinars
- Interactive visualisation and survey tool
- Social media
- Notifications
- Traditional media







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General update

Investigations and inspection work

- Geotech investigation work ongoing until end of June
- Extensive inspection program starting this month and running for approximately 3 months
- Detailed inspection undertaken as part of Main Roads Asset Maintenance Strategy for all timber bridges in the network
- Inspection includes all elements, above and below structure (including below water level)
- Some alignment options will keep the bridge open for more than 3 years
- Work will inform monitoring and management approach during construction and partial demolition
- Public safety primary objective of all work

Next steps

- Series of pop-up information events starting today:
 - Fremantle Train Station at 3:00pm
- Check project website for details of other events and to use our online tool
- Webinars this Thursday 13 May and Tuesday 18 May
- Subscribe to Project Webpage to be kept informed of latest developments



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Thank you