

107

Years of vehicle hits
It's time to look differently.

**“Proposal to
reduce overheight
vehicle collisions
with low bridges
in Melbourne.”**

**LAUREN
SHERSON**

June 2021



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3000



Vehicle collisions
It's time to use psychology.

- 8 6** Napier St, Footscray
4.1m clearance
- 7 8** Montague St, Sth Melbourne
3.0m clearance (1914)
- 4 4** Racecourse Rd, Newmarket
3.7m clearance
- 3 6** Warrigal Rd, Holmesglen
4.0m clearance
- 3 1** Merri Pds, Merri
3.3m clearance
- 2 3** Racecourse Rd, Flemington
3.7m clearance



Let's change a drivers' perception of low bridges.

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White's Illusion shows how A and B are the same shade of grey but look different against light or dark.

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quite dark inside

**front beam
is lower than
internal space**

**open light source
in centre**

**What causes drivers to hit the bridge?
Inconsistent lightness leads people to believing
a space is bigger than it is.**

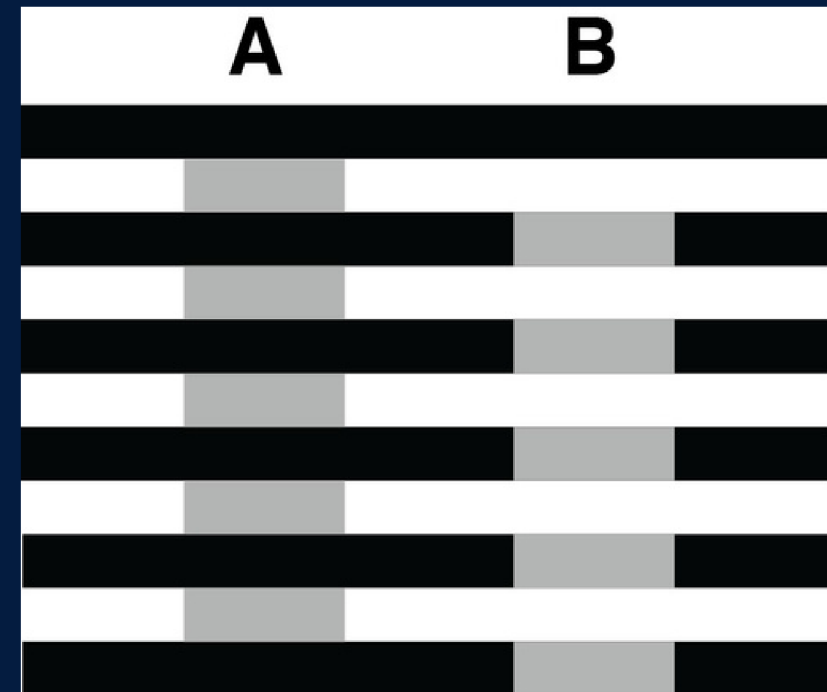
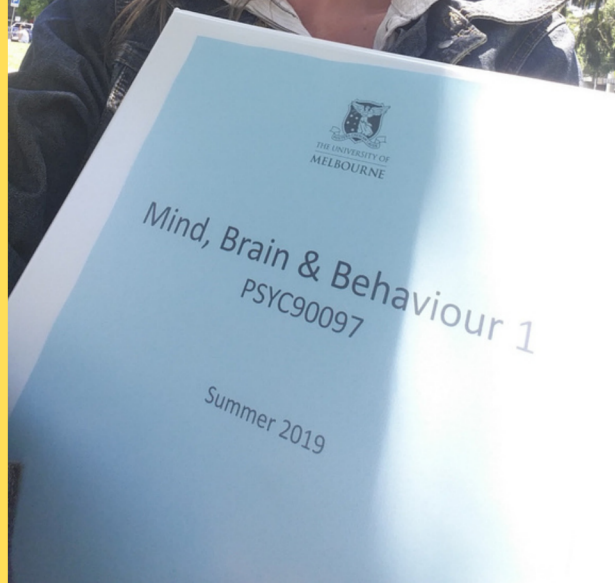


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**GRADUATE DIPLOMA
PSYCHOLOGY**
MELBOURNE UNIVERSITY



Lauren Sherson
Psych student

*asked if perception
theory applied here*

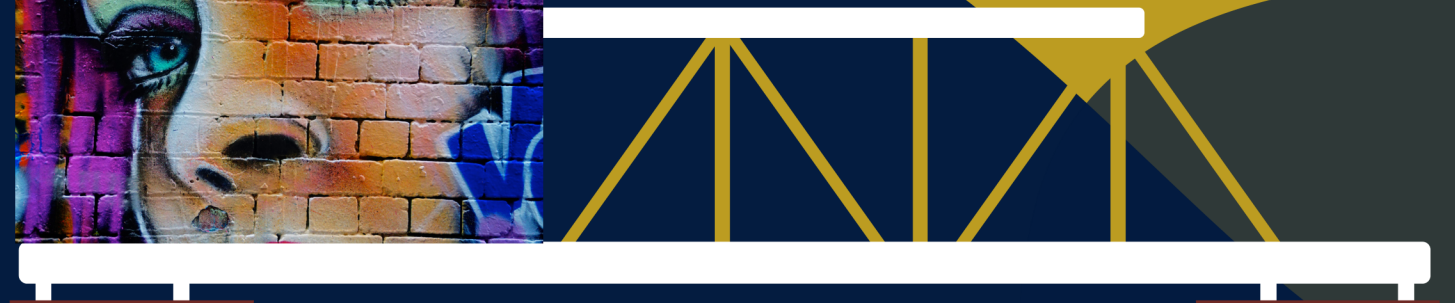


Simon Cropper
Psych lecturer

*vision scientist and
founder of grad dip*



hire local artists to paint the front entrance of low bridges



use white paint and boarding to brighten the internal space and give a consistent ceiling height



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One bridge each for a trial.

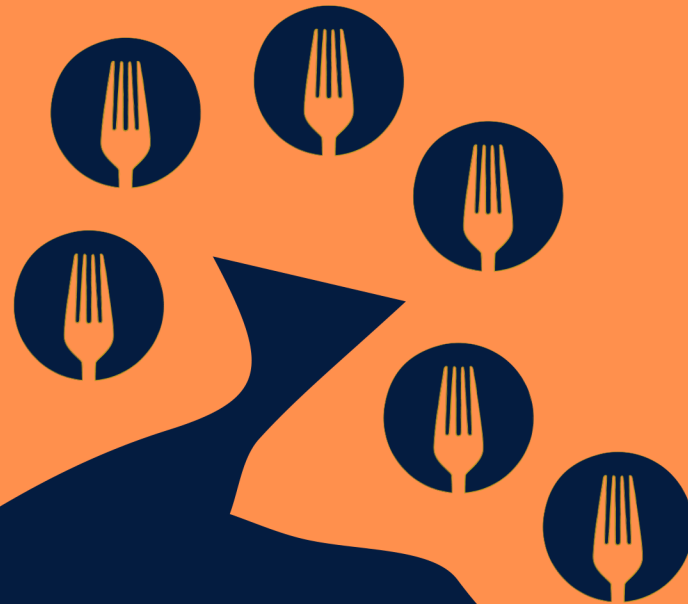
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= Monty diet



- 0** Napier St, Footscray
4.1m clearance
- 1** Montague St, Sth Melbourne
3.0m clearance (1914)
- 0** Racecourse Rd, Newmarket
3.7m clearance
- 0** Warrigal Rd, Holmesglen
4.0m clearance
- 0** Merri Pds, Merri
3.3m clearance
- 1** Racecourse Rd, Flemington
3.7m clearance

Shoghi, A. (2019, April 1-2). *Using intelligent transport system strategy to prevent/reduce over height vehicles from striking the Napier Street Railway bridge*. 9th Australian Small Bridges Conference 2019. Surfers Paradise, QLD, Australia.
https://na.eventscloud.com/file_uploads/3c5334be3a82a88d0627224cf6f9a36d_Shoghi_VicRoads_Usingintelligenttransportsystem.pdf

Keep Victorians moving.

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