



**SUBURBAN
RAIL LOOP**

Wild Works Student Design Competition Guidelines

Challenge: Addressing the Biodiversity Gap

Construction projects significantly disrupt local environments, creating dust and noise, removing vegetation and unearthing habitats. Your challenge is to design a structure or installation that can be deployed near urban construction sites to mitigate the disruption to biodiversity and in particular native species involved in pollination. The design should be practical and capable of being easily implemented in urban areas. The initial location will be within the Box Hill activity centre, but the design should be adaptable to different urban activity centre sites throughout Melbourne.

Eligibility

The contest is open to undergraduate and master's students at Monash University, Deakin University and Box Hill Institute.

Submissions may be individual or in teams of up to five.

Criteria:

Biodiversity support – 30%

The proposal provides strong biodiversity benefits, supports native pollinator species and increases greenery in an urban environment.

Engaging design – 30%

The design is attractive, innovative and offers opportunities for community engagement, education and/or interaction. Provision for signage is included.

Implementation – 20%

The design is practical and realistically constructable, within typical project constraints. The proposal considers cost-effective installation and materials.

Sustainable design – 20%

The design adopts sustainable procurement principles favouring the use of low cost, durable, recycled and/or low carbon materials and supports urban sustainability benefits such as mitigating urban heat island effects.

Specifications

1. The total footprint of the design (including elevated components) must not exceed 5m². The total width of the design should not exceed 2m.
2. The design should consider safety and not have climbing hazards, sharp edges or pinch points.
3. The design must be stable under normal outdoor conditions.
4. The design must be freestanding and relocatable, with provision for secure fixing once installed.
5. Consideration must be given to the footing and weighting of the structure (e.g. through ballast or similar). Maintenance requirements should be minimised.

Submission Requirements

Submissions do not need to include any structural considerations beyond indicative dimensions, instead the focus should be on creatively addressing the criteria and specifications. Submissions should include:

- A design overview, including illustrations of the structure from at least two perspectives that clearly demonstrate the key features and benefits. Designs can be hand drawn or produced digitally.
- Considerations for how the design will be anchored to allow for stability and relocation.
- The dimensions of the structure, including the total footprint.
- Any intended construction materials.
- Any specific plant species to be included.

- A written description of no more than 300 words explaining how the design addresses the criteria.
- The submission should be submitted in PDF format and be no more than three A4 pages.

Case Studies

- [Wild Futures, Sydney](#)
- [Grasslands, Melbourne](#)
- [Vert Pavillion, London](#)
- [Living Hoardings, London](#)
- [Vulkan Beehive, Oslo](#)