

Street Innovations Challenge

Cycleway Separation



Background

Our streets are how we travel, how we connect, and how we experience our cities. Having a connected and safe transport network is fundamental to city life, and modern cities around the world are putting people at the heart of their street experience.

Wellington's streets are grinding to a halt as our population grows. We're updating our streets to give people safer, easier, climate-friendly ways to get around our compact city.

Paneke Pōneke is our plan to deliver a connected citywide bike network alongside pedestrian and public transport improvements. As part of this plan, there's an opportunity to explore how we can help all Wellingtonians to feel a sense of pride in how our new streets look and function, regardless of how they get around.

The city's approach received global recognition through the Global Designing Cities Initiative (GDCI) when Wellington was awarded one of just ten Bloomberg Initiative for Cycling Infrastructure (BICI) grants in 2023. GDCI is supporting ten cities around the world to build more innovative, connected, and expansive cycling infrastructure that serves as many people as possible.

As part of this grant, Wellington City Council (WCC) and GDCI want to support innovation by establishing a Street Innovations Challenge. We want our community to be a part of shaping our street experiences, and we are welcoming fresh ideas for innovating in our city.

We're looking for designs for a new form of cycleway separation that is safe, flexible, durable, affordable, with an aesthetic that speaks to the Wellington context. WCC will take the winning design to work with local manufacturers to produce a prototype.

Bloomberg
Philanthropies



Absolutely Positively
Wellington City Council
Me Heke Ki Pōneke

Problem statement

For the last three years, the cycleway roll out in Wellington has been focused on low-cost, temporary products that are easy and fast to install. This has been effective at getting cycleways on the ground, but the focus is now shifting to installing more durable, longer-lasting cycleway infrastructure. The products currently used have a limited lifespan and are solely focused on discouraging motorists from moving into the cycleway.

There are three options used in Wellington:



Flexi-bollards, either individually bolted to the road surface or set into a ground separator which is then bolted to the surface.



Temporary ground separators which can fit together in various sizes to create a physical gap between bikes and cars.



Concrete ground separators which are either keyed into or poured on top of the road surface. These are generally made from a standardised mould.

These options improve safety and some comfort for cyclists, discourage motorists from entering the facilities, and offer flexibility in design and installation. However, they have some limitations:

- flexi-bollards are often hit and broken by vehicles, or easily vandalised, requiring replacement.
- ground separators with gaps do not prohibit cars from parking over them or in bike lanes.
- none of these options provide wider street benefits such as visual interest or local identity.



Your task

Design protection elements to separate cycleways from vehicle lanes. The protection elements must be:

- easily and securely fastened to the road surface,
- flexible for use in different scenarios (road layout, gradient, surface, size),
- able to be adapted, without creating significant damage to the road surface.

The separator should bring other benefits to a Wellington streetscape in terms of visual interest, branding or local identity, while ensuring that it is high-quality, durable, and low maintenance .

The cycleway separator could be just one element, or multiple elements that work together.

Accompanying document:

Your design must be consistent with the *Design Guidance* document.

See wellington.govt.nz/street-innovations-challenge

Entries must include

- Name and contact details - include all team members if submitting as a team
- A brief description of the concept (500-word max)
- Annotated concept drawings including dimensions
- Visuals of the design in a street context
- Information on:
 - Materials (including their availability within New Zealand and estimated costs)
 - Installation details (including equipment required to install, construction methodology, time requirements and any innovative efficiencies that have been incorporated)



Judging criteria:

1	Safety and comfort	30%
2	Flexibility of use (modular, versatile)	20%
3	Durability (low maintenance, hard to break, easily repaired)	25%
4	Aesthetic (high quality look that is a positive contribution to the street environment, opportunities for local expression)	10%
5	Feasibility (cost effective to produce and implement)	15%

Learn from industry experts

Throughout the challenge, we'll be hosting three webinars with experts from across the industry - from local and central government, manufacturers, civil construction, and industrial design. These sessions will include a presentation and the opportunity to ask questions to inform your design approach. More details on when these webinars will be held and how to take part will be available on our website.



Key Dates

Competition period:

15 July to 29 September 2024

Winners will be announced:

November 2024

Eligibility

The competition is open to everyone.

Participants can enter individually or in groups.

Prizes

	\$5,000 prize money
	Your designs published on the WCC website
First place:	Your design advanced to the prototyping stage
	Opportunity to be involved in the prototyping stage
	Pilot of the design in the street if it passes the prototyping stage
Second place:	\$2,500 prize money
	Your designs published on the WCC website
Third place:	\$1,000 prize money
	Your designs published on the WCC website



Terms and conditions

General Terms & Conditions

1. The Street Innovations Challenge (also the Competition) is organised by Wellington City Council (also the Council).
2. Any person (you, your) entering a design in this Competition to the judging panel (the Panel) agrees to comply with these terms and conditions (Terms and Conditions).
3. Council reserves the right to vary or cancel the Street Innovations Challenge at any time.
4. These Terms and Conditions are governed by New Zealand law.
5. These Terms and Conditions form a contract between you and the Council in relation to your entry into the Competition.
6. These Terms and Conditions may be updated by the Council before the closing date for people to suggest alternative designs for the Street Innovations Challenge. You can view the most recent Terms and Conditions at wellington.govt.nz/street-innovations-challenge.

Entry Requirements

7. Individuals under the age of 18 at the time of entry must have parent or legal guardian consent to these Terms and Conditions and entry into this Competition prior to an entry being made.
8. Wellington City Council staff are not eligible to enter.

Design Entries

9. You may suggest designs for the Street Innovations Challenge (Design) to Council from 15 July until midnight on 29 September (Entry Period)
10. You agree that any design you suggest, including any element of that design, may ultimately be used by the Council or Global Designing Cities Initiative (GDCI) in relation to cycleway infrastructure design and/or on their website, social media and other promotional means.
11. All Designs must be suggested in accordance with the Competition Brief and Design Guide found at wellington.govt.nz (Guidelines).
12. You confirm that each Design you suggest, including each element of each Design, is:
 - a. an original work made by you and no one else, except to the extent you disclose otherwise under clause 26;
 - b. not copied; and
 - c. not illegal, offensive or derogatory.

Considerations by the Panel

13. Designs suggested during the Entry Period will be considered in accordance with these Terms and Conditions. The Panel and the Council each reserve the right to consider other designs suggested before, during or after the Entry Period.
14. The Panel may, in its sole discretion, choose not to consider any Design if it considers you have breached these Terms and Conditions in any way, or if the Design itself does not comply with these Terms and Conditions or the Guidelines.
15. You agree to provide the Panel or the Council with any information about yourself, group members or your Design that the Panel or the Council reasonably requests for the purpose of understanding how your design was developed.

Selection & Notification of Winners

16. The first, second and third place winner (the winners) will be selected by the Panel once the competition has closed.
17. The selection of the winners is at the sole discretion of the Panel. Selection of the winner(s) is final and correspondence regarding selection of the winner(s) will not be entered into.
18. The winners will be notified via the email or phone number submitted through their entry form.

19. If a winner has not confirmed acceptance of their prize within 14 days of initial notification or has provided incorrect contact details, a new winner may be selected for that prize.
20. The winners' names may also be published on the Council or GDCI websites, social media channels and in any associated newsletters.

Award of Prizes

21. The prizes are not transferable.
22. The Council shall not be liable for any loss or damage suffered or inflicted by you (including but not limited to direct or consequential loss) in connection with this competition.

Use and Publication of Designs

23. You grant the Council an irrevocable, royalty-free, worldwide, perpetual, sub-licensable licence to use, copy, modify, adapt and/or publish your Design for any purposes the Council sees fit in relation to the design of cycleway infrastructure in Wellington. Without limitation, the Council may:
 - a. provide your Design to third parties to verify whether it complies with these Terms and Conditions and is otherwise suitable for use as part of cycleway infrastructure;
 - b. alter or amend your Design, merge or combine your Design with any other design or use elements of your Design in another design;
 - c. publish your Design on websites including wellington.govt.nz;
 - d. provide your Design to media including print, television and internet media for publication;
 - e. publish your Design in the course of selecting the winners;
 - f. use and publish your Design as part of the Street Innovations Challenge and as a design element relating to cycleway infrastructure.
24. You agree that the Council may use, disclose and publish:
 - a. your name;
 - b. the name of any other author involved in developing your Design; and
 - c. any other information you provide in relation to your Design other than personal contact details.

Intellectual Property

25. You warrant that:
 - a. except to the extent you have disclosed details of other authors under clause 26, you are the owner of the copyright, and all other intellectual property rights, in your Design, including each element of your Design; and
 - b. the use and publication of your Design, including each element of your Design, in the process of selecting cycleway infrastructure designs, will not infringe the rights, including intellectual property rights, of any person.
26. If your Design, or any element of your Design, was designed by any other person or organisation, then you:
 - a. must disclose that fully when you suggest your Design to the Panel and you must include full details of all authors involved in the development of your Design and provide their contact details; and
 - b. confirm you have all rights necessary to suggest your Design to the Panel in accordance with these Terms and Conditions, including granting the licence in clause 23.
27. Moral rights are personal rights that individual authors have in copyright works they produce. They include rights to have their designs attributed to them. The Council will acknowledge the authors of your Design appropriately, but at the Council's sole discretion, during the course of the Street Innovations Challenge.