

# Delivering Interim Cycling Facilities Design Guide: A Cross-Disciplinary Approach

Auckland's Engineering Design Code – Cycling Infrastructure sets the standard for long-term cycling facilities, prioritizing all ages and abilities (AAA). However, the implementation of these standards often encounters constraints due to existing road space, kerbside activities, and traffic operations. While these factors are considered separately in traditional design processes, achieving safer cycling infrastructure in the existing road environment necessitates a more integrated approach.

To bridge this gap, Auckland Transport has developed a Practice Note that provides cross-disciplinary design guidance for interim cycling facilities with a lifespan of 5–15 years. By combining specific elements from each of the Engineering Design Code documents, this guide orchestrates collaboration between transport modes and engineering disciplines (pavement, structure, stormwater), fostering cross-agreement on safety, operations, maintenance, wayfinding, and network performance aspects. It introduces a safety perspective to the critical intersections between disciplines, ensuring that cycling infrastructure is not treated in isolation but as an integrated part of the transport system.

By integrating technical considerations and safety priorities, the Practice Note establishes a shared framework that enables safer, more connected interim cycling infrastructure within real-world constraints. This paper explores how the document's development process and implementation promote collaborative decision-making, leading to improved cycling outcomes while balancing other transport network needs.

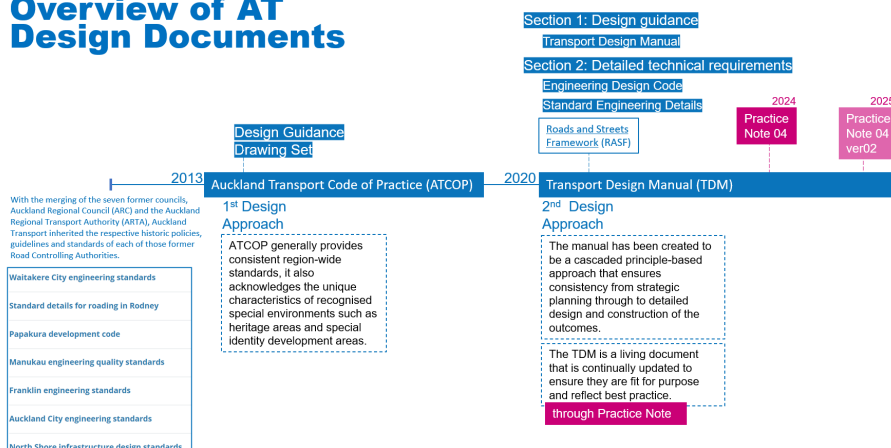
## Supporting information

- Practice Note 04 Cycling Infrastructure - Interim Facilities, published July 2024. Link: [at.govt.nz/media/f3jftlay/practice-note-4-cycling-infrastructure-interim-facilities.pdf](https://at.govt.nz/media/f3jftlay/practice-note-4-cycling-infrastructure-interim-facilities.pdf)
- Auckland Transport - Transport Design Manual website [Transport Design Manual](#)

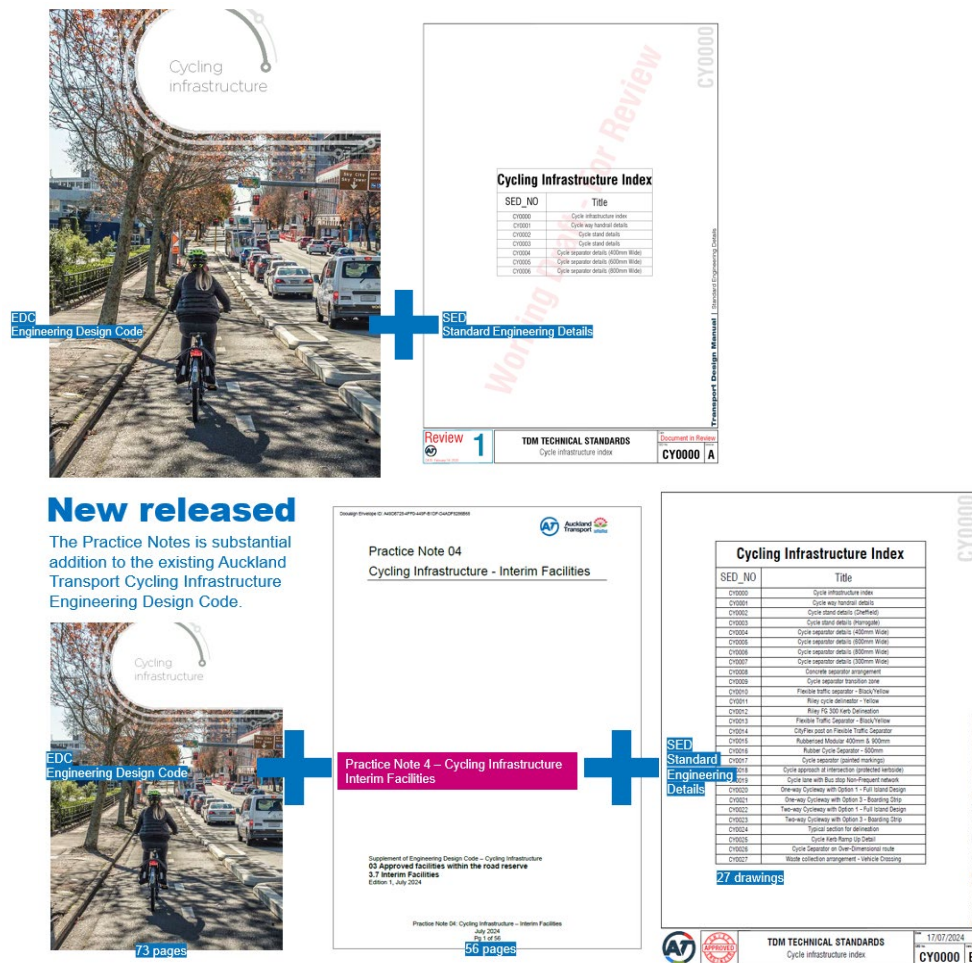
## Outlines of presentation

1. Timeline of Auckland Design Documents which highlights the evolution that occurred following the merging of Auckland into a supercity. The updated design documents aim to address the increased transport demands resulting from the city's growth.

### Overview of AT Design Documents



- The Practice Notes document's role within various Cycling Design Documents. As the Practice Notes document was being developed, Design and Standard team addressed the gaps in existing design documents and bring it to better reflect the existing road environment.



- The process of document development involves comprehensive reviewing (external peer review), presenting, and gathering feedback from the industry to prepare the second version of the Practice Notes document.
- An example of alignment with existing documents and discussion with stakeholders (both internal and external) in developing the interim cycling facility design standard:
  - Adaptation and Environment team was consulted regarding the impact of 'temporary materials' on the environment (e.g., rubber and plastic materials from separators) and the possibility of trialing new materials.
  - Capital Project Accessibility Group (members consist of are internal, regional advisory groups facilitated by Auckland Transport) for cycleway-bus stop design.
- The evolving design iterations demonstrate Auckland Transport's commitment to creating safer cycling infrastructure by providing comprehensive guidance to the industry. Quick adaptation to provide comprehensive and practical design document based on lessons learned and post construction.
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