



Teivo-Mäkkylä

Transforming Streets for Active Mobility



Challenges and Process

Mikkolantie faces several challenges that limit its functionality and safety for pedestrians and cyclists. Pedestrian connectivity is weak, with only two designated crossings along the stretch, making it difficult and sometimes unsafe to move across the street from the original plan. A relatively high vehicle speed limit compounds this issue, further discouraging walking and reducing the overall sense of safety. Additionally, the absence of a separated cycling path creates conflicts between cyclists and pedestrian, limiting the street's usability for active transport.

Through our benchmarking exercise, we found that similar areas have faced comparable challenges but achieved significant improvements by implementing solutions such as Superblocks and Woonerf-style street designs. These approaches prioritize people over cars, enhance safety, and create more inviting public spaces. Building on these insights, we examined the specific conditions of Mikkolantie more closely and confirmed that addressing these issues is essential for the area's future development. This process guided us toward identifying targeted interventions that can transform the street into a safer, more connected, and friendly environment.

Mikkolantie Redesign



Proposed Main Solutions

Raised pedestrian crossing



These crossings act as traffic-calming methods by forcing vehicles to slow down, while also creating a more continuous and accessible walking route. The crossings are put more along the road, near residential areas and school routes where pedestrian movement is frequent.

Reduced speed limit (30 km/h)

The speed limit is reduced to 30 km/h to improve safety for all users. Lower speeds reduce accident risk and create a calmer, more comfortable street environment, especially for children and elderly.



Green belts and cyclist highway



Green belts separating traffic types are introduced along the street, featuring a wide cyclist highway and dual sidewalks, inspired by the Rongankatu street style. These measures separate users from traffic while improving comfort through greenery and shade, making walking and cycling more attractive.



Green Roundabout with Cyclist Tunnel

A roundabout with greenery to create a friendly environment. A tunnel separates cyclists from traffic, while elements such as curved paths and planted islands naturally slow drivers. The result is a safer, calmer, and more inviting gateway to the school, trotting track, and tram stop.



New Design for Mikkolantie

Mikkolantie redesign prioritizes cyclists and pedestrians, reduces car use, and improves safety for children through integrated greenery



Crossing Points / Connection points

Increased crossing points improve connectivity and reduce barriers between areas with raised crosswalks, while encouraging slower traffic and safer crossings for children.



Redesign Model

Rongankatu in Tampere - the inspiration for our primary solution