

# TEIVO-MÄKKYLÄ PEDESTRIAN AND CYCLING NETWORK

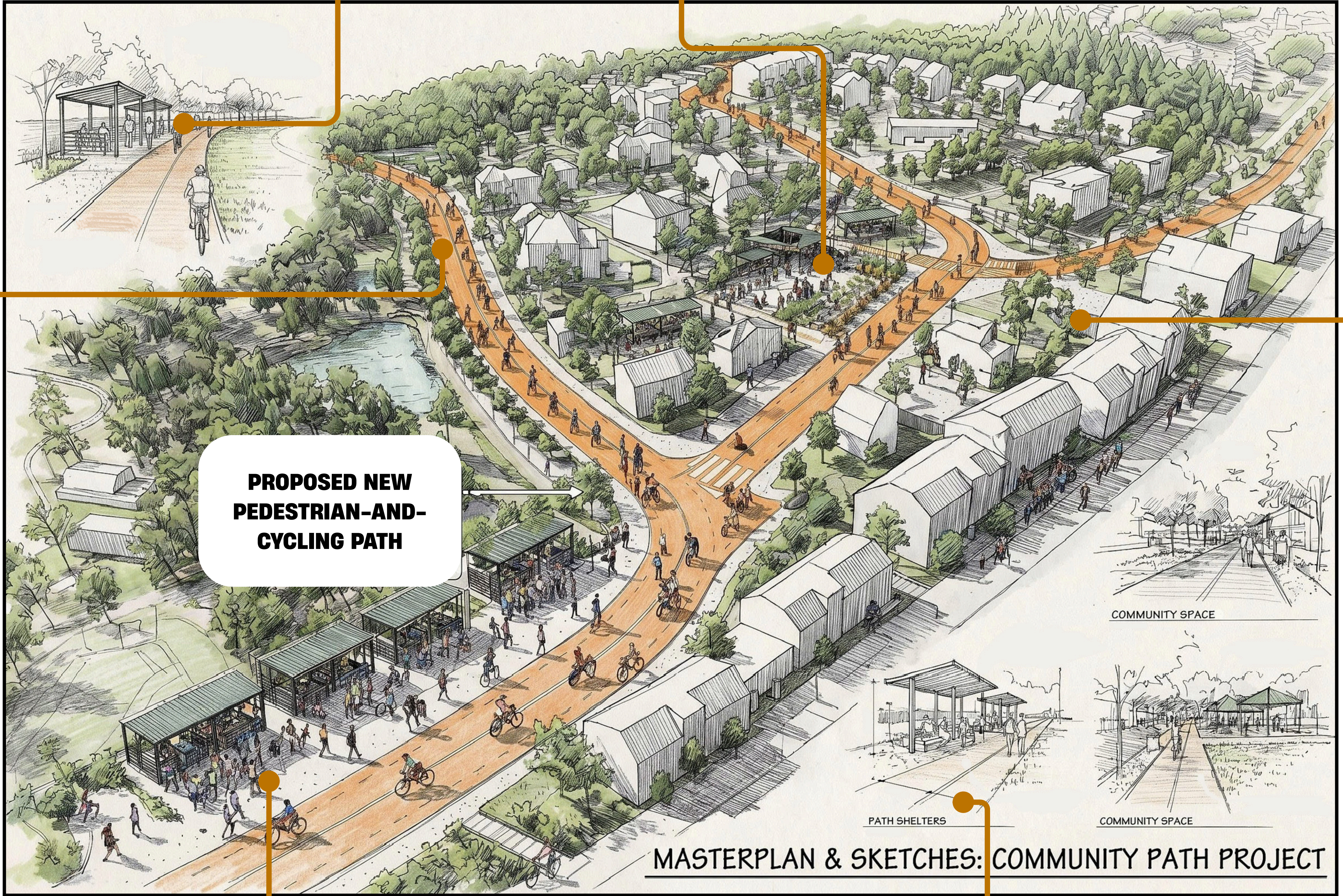


## Winter and night cycling

Specialized maintenance and high-quality lighting ensure clear cycling paths, fostering a sense of safety that encourages year-round active travel!

## Resting stops

Integrating scenic views along the path into resting stops and vibrant community spaces fosters a sense of connection and relaxation that promotes daily walking and cycling.



**PROPOSED NEW PEDESTRIAN-AND-CYCLING PATH**

COMMUNITY SPACE

PATH SHELTERS

COMMUNITY SPACE

MASTERPLAN & SKETCHES: COMMUNITY PATH PROJECT



## Bicycle storage

Implementing good residential bicycle storage facilities can encourage the number of bicycle users, increase property attractiveness and market value.

## Infrastructure connectivity

Accessibility is one of the key factors in the use of public cycling infrastructure<sup>2</sup>. Making the connection to public transport seamless and quick will nudge people towards more sustainable transport options.



## CURRENT SITUATION OF TEIVO-MÄKKYLÄ

Increasing cycling uptake is dependent on the design and planning decisions made<sup>1</sup>. When considering people's transport behaviours, there are dimensions of physical built infrastructure and the psychological associations with said infrastructure that affect travel behaviour<sup>3</sup>. When we are designing new infrastructure for cycling and walking one of the most important factors is accessibility<sup>2</sup>. Teivo-Mäkkylä has a great opportunity to build great cycling and walking infrastructure to encourage a more active, healthy and climate friendly lifestyles.

Cycling infrastructure must be understood as a transportation network rather than as a collection of isolated facilities. Connectivity cannot be reduced to infrastructure length or intersection density. It must account for whether routes are continuous and usable under realistic traffic conditions. Stress-filtered connectivity reveals structural fragmentation often hidden in conventional infrastructure plans<sup>6</sup>. All of these aspects should be taken into account when creating the Teivo-Mäkkylä area.

When conditions for cycling are not safe, cycling remains a male-dominated mode of transport. Yet when the infrastructure is safe and the modal share of cycling increases, the gender imbalance in ridership starts to even itself out<sup>1</sup>. When the infrastructure is designed with safety as a priority, all socioeconomic and age groups increase their cycling<sup>1</sup>.

## CYCLING NETWORK IN ACTION

Effective implementation should be considered at the planning stage. In new developments, bicycle garages should be integrated into architectural design from the beginning. Housing companies can take advantage of investing in building high-quality bicycle storage facilities. It also creates more attractive, family-friendly communities while aligning with planning policies and sustainability goals, making approval easier to secure. Therefore, these well-designed storage can increase property attractiveness and market value<sup>4</sup>. For current residents, their satisfaction and commitment could be increased as long as there are sufficient and accessible bicycle garages and community spaces.

Teivo-Mäkkylä has claimed the goal of becoming a Unicef Child Friendly City (CFCI) and it will house many families with children that will attend the local schools. As such it is crucial to implement healthy travel behaviours in the children of teivo mäkkylä as there is evidence that good healthy transport habits carry long term health benefits for children<sup>5</sup>. These effects are not limited to only the children as their habits affect the parents transport behaviours<sup>5</sup>. To create a cycling culture that promotes health good cycling infrastructure should be built in Teivo-Mäkkylä. Ultimately, improving design is not only a technical task, but also an important step towards creating more liveable urban environments.

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