ELECTRIFICATION OF THE HYVINKÄÄ-HANKO RAILWAY AND IMPROVEMENT OF LEVEL CROSSINGS

Within the project, the 149-kilometer single-track railway line from Hyvinkää to Hanko is being electrified, and safety at the level crossings along the route is being enhanced.

## **Background**

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The Hyvinkää-Karjaa-Hanko Railway (149 km) is a single-track, non-electrified line. The section between Hyvinkää and Karjaa is used only for freight traffic, and between Karjaa and Hanko, contracted passenger traffic is also operated using railbuses.

IMBd

In the year 2017, 1.4 million tons of goods were transported along the route, with only a portion of this traffic covering the entire section. In the same year, there were 100 000 passenger journeys between Karjaa and Hanko.

There are 78 level crossings along the Hyvinkää-Hanko route, of which 38 are equipped with warning systems. Among these level crossings, 8 are in Hyvinkää, 15 in Nurmijärvi, 18 in Vihti, 13 in Lohja, 16 in Raasepori, and 8 in Hanko. Efforts have been made over the years to eliminate level crossings, and the most recent ones were removed in 2017.

## Project Content and Objectives

The electrification covers the Hyvinkää–Karjaa–Hanko line, the branch line to the production facility in Kirkniemi, and potentially the electrification of the harbor track in Lappohja. There is a total of approximately 165 km of tracks to be electrified, including railway yards. The goal is to improve the costeffectiveness of railway transportation and reduce harmful emissions from the traffic.

The aim of improving the level crossings is to enhance safety at the crossings on the railway section, either by removing them or implementing measures to improve safety. The safety improvement measures for level crossings apply to several crossings along the railway section.

## Project Costs

The cost estimate for the entire project is 62 million euros: 46 million euros for electrification and 16 million euros for the improvement of level crossings.

## Project Progress

The first part of the railway plan was approved in February 2021, and the decision was available for viewing in February-March 2021. The second part of the railway plan was approved in May 2022.

The planning to improve the safety of level crossings has commenced, and work is currently progressing on the objects that were approved in the first part of the railway plan.

The construction of the track system has been outsourced as two separate contracts. GRK Rail Oy is responsible for the track system contract on the Karjaa-Hanko section, and Ratatek Oy on the Karjaa-Hyvinkää section.

The project is scheduled to be completed in its entirety by 2024.  $\square$ 

—The Finnish Transport Infrastructure Agency

Source: Elektrifiering av järnvägen Hyvinge-Hangö och förbättring av plankorsningar, https://vayla.fi/sv/alla-projekt/hango-hyvinge (Thursday, 17 August 2023).

RUNNING TIME: 70 minutes
FORMAT: CD-R (+xerox inlay)

OUT: September 2023 KEYWORDS: synthesizer music, railways, techno/electro, Uusimaa, Hanko, Hyvinkää, Raasepori, Sauce & Cop remix

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