

RUNWAY I. RECONSTRUCTION AT BUDAPEST LISZT FERENC INTERNATIONAL AIRPORT – PART 2.



Client:
BUDAPEST AIRPORT

Features:

Length of reconstruction: 1345 m
Width of reconstruction: 15,0 m + taxiway junction
Total reconstructed surface:
26 700 m² concrete and
6 750 m² asphalt pavement

Concrete pavement:

20 150 m² load bearing concrete pavement in the middle of the existing runway pavement, 30 cm thick, 5.00 m x 5.00 m slabs replacing 7.50 m x 7.50 m slabs built in place of the demolished top concrete layer and on top of an earlier runway surface now serving as a base. And additional 6 550 m² of the same concrete pavement at TWY B intersection.

Asphalt pavement:

6 750 m² of asphalt pavement on TWY B1-B2.

Runway marking
Airfield ground lighting

Time of design: January 2018 – March 2018

Services:

Preparation of construction design

After the reconstruction in 2017, another section of runway I (RWY 13R-31L) of Budapest Liszt Ferenc International Airport was renewed for more than 1,300 meters. In addition to the reconstruction of the dilapidated concrete pavement of the middle 15.0 m wide strip of the track, 6,550 m² of new concrete pavement was completed at the crossing of taxiway B. In place of the demolished 7.50 x 7.50 m 30 cm thick concrete slabs, more durable 5.0 x 5.0 m slabs of jointed plain concrete pavement of the same thickness were rebuilt.

The design and construction was greatly aided by the experience gained during the previous year's reconstruction.

In addition, the asphalt wearing course on the B1 taxiway was renewed up to the runway holding position, on a 160 meters long section.

A drainage channel was built on taxiway B2.

As part of the investment, the markings were renovated along the entire runway and the renovated light elements were rebuilt.

The lighting network of the entire runway has been renewed, new primary and secondary cables have been installed, and new shafts and their drainage have been completed.

During the project we ensured the preparation of the following branch design works:

- geodesy, geotechnics
- airport design (pavements, markings)
- hydraulic engineering (track structure dewatering)
- high current (airfield ground lighting, cable network)
- organization