

Lindau

Flood Protection of Lindau Extension/Discharge of Motzacher



Regierungsbaumeister
SCHLEGEL



Client

Stadt Lindau [City of Lindau]

Period

since 2004

Project Cost

6.400.000 €

Abstract

In an integrated concept for the upstream of Lindauer Ach, the city of Lindau planned improvement of flood protection measures by implementing flood retention tanks, construction and extension of the river of Motzacher Tobelbach as well as extension of the river of Lindauer Ach in the city of Lindau.

Flood retention was not possible in the upstream of Motzacher Tobelbach. As a result, Motzacher Tobelbach was naturally extended and a new waterway was created for relief of Lindauer Ach as well as the discharge to Lake Constance.

Scope of Service

pre-design, design, approval design
planning of structural framework

hydraulic calculation
urban, rural and lake landscape planning
measurement by IB Zimmermann
ground survey through south construction site
NA-Modell

Technical Data

Extension of Motzacher Tobelbach	
HQ ₁₀₀	6.5 m ³ /s
Nature-orientated extension length	870 m
Embankment	990 m
Bank wall	750 m
4 bridges, 5 site transits, 3 footbridges	
Motzacher Tobelbach	
HQ ₁₀₀	4.0 m ³ /s
Nature-orientated extension length	770 m
Embankment	500 m
Open trough	180 m
Closed trough	90 m
2 bridges, 1 site transit	