

## Re:Crete footbridge

**Project summary:** Reuse of 25 pieces sawn in CIP walls and foundation mats for a new 10-m-span post-tensioned footbridge prototype.

**Country (City):** Switzerland (Fribourg)

**Date:** 2021

**Status:** Built



### About the donor site

**Distance to new project:** 90 km

**Type:** Housing

**Construction year:** 2011

### About the reused concrete

**Quantity:** 25 blocs

**Former use:** wall, foundation

**New use:** arch blocks

**Age at the time of reuse :** 10 years

**Type of concrete:** Cast in place

### About the new project

**Environmental impacts:** -63 % CO<sub>2</sub>, - 48 % EP, compared to recycled-concrete monolithic arch (source)

**Economic costs:** + 54 %, compared to recycled-concrete monolithic arch (source)

### **Other information:**

### **Actors:**

### More information

Devènes et al. 2022