Interface behaviour of concrete structures strengthened with ultra high performance fiber reinforced concrete (UHPFRC) in shear

Motivation









Damaged concrete bridge strengthened by new concrete



Interface formation and potential interfacial debonding

Methodology

1. Recommendation for strengthening design of UHPFRC-concrete hybrid structures focused on the behavior of UHPFRC-concrete interface

Final deliverable

Status of the existing structures to be strengthened

Boundary condition Environmental loading Mechanical loading



PhD candidate: Yitao Huang **Supervisor(s):** Dr. Mladena Lukovic Prof. Max Hendriks Prof. Erik Schlangen **Email:** Y.huang-6@tudelft.nl

