Objectives

Upgrade the existing flexural capacity of bridge structures with mechanically fastened FRP laminates.

Features: rapid installation; simple procedure; and, cost savings

Procedure

- FRPs are Very Light and Easy to Handle
- FRP Preparation (cutting of the FRP to the design length and drilling of the holes according to the specifications)
- "Surface Preparation" (removal of sizeable protrusions such as form lines)
- Drilling of the Concrete
- Injection of Epoxy After Cleaning the Holes
- Placement of Studs in the Holes
- Fastening of the Bolts
- Positioning of the CFRP Laminates
- Bridge After Installation