

## FIBER-REINFORCED POLYMERS (FRP)

Carbon Fiber-Reinforced Polymers (CFRP) and Glass Fiber-Reinforced Polymers (GFRP) are used in structural engineering for their notable strength and light weight. The FRP strengthening method has been used by experts, Cornerstone Engineering among them, in the repair and rehabilitation of buildings, garages, bridges, and transportation structures. CEI has successfully completed over 75 strengthening projects across every industry.



## SAMPLE OF STRENGTHENING PROJECTS COMPLETED

- Norton Hospital Parking Garage; Louisville, KY
- Floyd Memorial Hospital Roof; New Albany, IN
- Eastern Kentucky University Combs Hall Floor; Richmond, KY
- Jewish Hospital Slab Strengthening; Louisville, KY
- Nashville Water Works Pressure Main Rehab, TN
- Louisville MSD Decant Tanks, KY
- Louisville Water Company (LWC)- Zorn Avenue PS, KY

Trusted throughout the region as an expert in the assessment and repair/strengthening of existing structures, Cornerstone has long specialized for over 13 years in the use of cost & time saving FRP solutions as effective, lightweight strengthening agents in damaged or compromised structures. Our expertise in this area is second to none pairing skill and creativity to produce practical and long-lasting solutions.



## ADVANTAGES OF FRP

- Low Installation Cost
- Time Saving over 50% or more
- Provide 40% increase flexural capacity of members
- Provide additional shear and axial capacity upgrade.
- Provide Column confinement
- In place strengthening with minimal to no disruption of ongoing operation
- Sleek, modern, light weight & long-lasting solution

## COLUMN STRENGTHENING

### Louisville, KY - Corporate Office

2302 Hurstbourne Village Drive

Suite 1000

Louisville, KY 40299

**(502) 493-2717**

Visit our website at [www.cei-engineering.com](http://www.cei-engineering.com)