Top 10 Facts: FIBER REINFORCED POLYMERS FOR **PEDESTRIAN BRIDGE** DECKS

FACT 1: FRP IS LIGHTWEIGHT

- Weighs only 20% as much as reinforced concrete panels
- Pedestrian decking weights are 4 to 10 psf
- Vehicle decking weights are 15 to 26 psf



FACT 3: FRP IS A SANDWICH TO GIVE THE BEST BENDING STRUCTURE

Fiberglass shear webs

Fiberglass fabrics wrap around edges

Closed cell foam

Facesheet laminate

FACT 4: FRP REQUIRES LITTLE TO NO MAINTENANCE

- Sets your operating budget free!
- Keeps your paths and trails open
- Much longer lasting than wood and concrete



FACT 5: FRP IS STRONG

- Similar strength as steel over 40 ksi
- High safety factors
- Handles vehicle loads as well as crowds of pedestrians

FACT 6: FRP MAKES INSTALLATION EASY

 Lightweight deck enables full bridge spans to be erected with minimal traffic impact

Fast and ready for use

FACT 7: FRP MAKES IT EASIER TO SHARE THE ROAD

Increasing number of bicycle paths and pedestrian sidewalks

SHARE

ROAD

FRP makes it easy to cantilever a light weight pedestrian bridge off the vehicle bridge Lower cost than separate bridge

FACT 8: FRP IS PREBRICATED

- You can order features to reduce construction time and expense. We can prefab:
 - Curbs
 - Drain scuppers
 - Expansion joints
 - Rail post connections
 - Junction boxes for lighting system

FACT 9: FRP IS NON-SLIP Safer surfaces for your pedestrians, cyclists and equestrians!

FACT 10: FRP IS GOOD-LOOKING

- Custom match your colors
- Variety of shapes and sizes
- Versatile design that engineers and architects love

Resources

For more information, including installation photos and videos:

- www.compositeadvantage.com
- www.youtube.com/CompositeAdvantage
- Contact Scott Reeve, President <u>sreeve@compositeadvantage.com</u> 937-723-9031





Want more? Click for more detailed slides on FRP decks for ped bridges.

DOWNLOAD

