## **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

