



Did we save time and \$\$?

- Cost
 - 13-41% design savings vs. conventional
 - 8-21% overall cost savings vs. conventional
 - (Overall cost includes Drafting, Design, & Construction)

 Comparison Table
 GRS-IBS Design
 Conventional Design
 % Saved

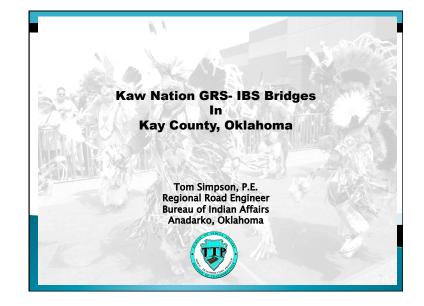
 Design Cost
 \$17.5K
 \$20K-\$45K
 13 - 61%

 Overall Project Cost
 \$267K
 \$290K-\$340K
 8 - 22%

- Timing
 - Faster than conventional CIP methods
- Shorter field schedules with fully precast ABC



















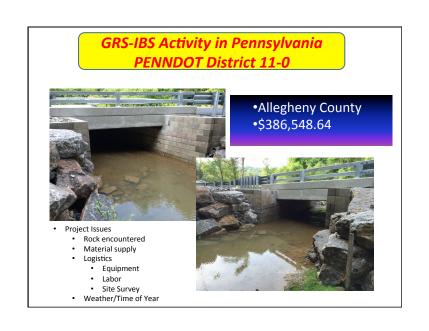














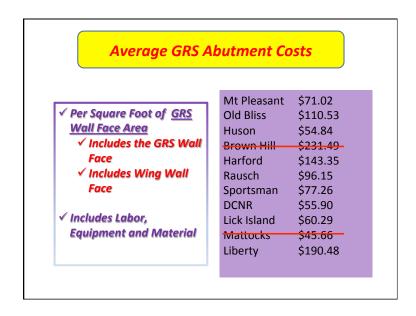












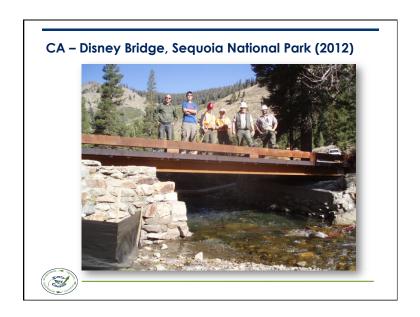




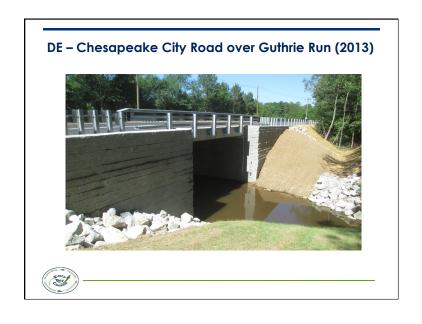
GRS IBS – Example Projects from 30 states

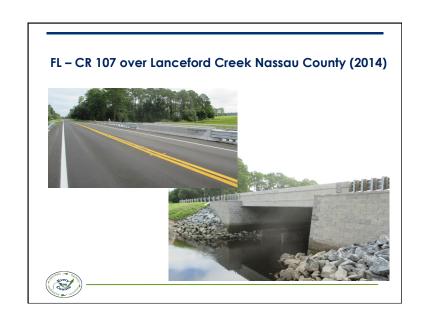
- Different types of crossings
- Different types of superstructures
- Different roadway geometries
- Different types of facings
- Different types of fill materials
- Different types of geosynthetics
- Different designers, from in-house to consultant
- Different construction delivery method, in-house to contracted





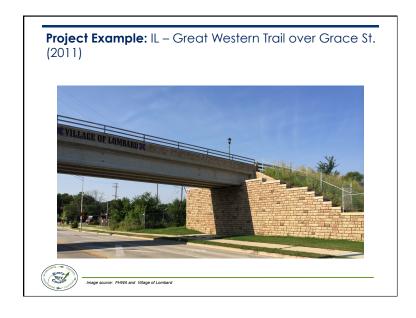


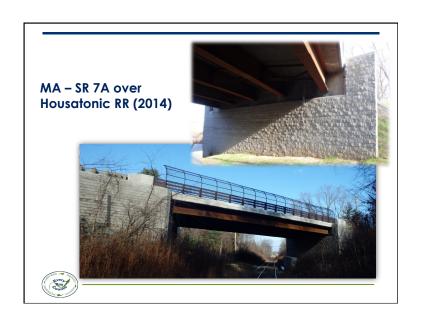


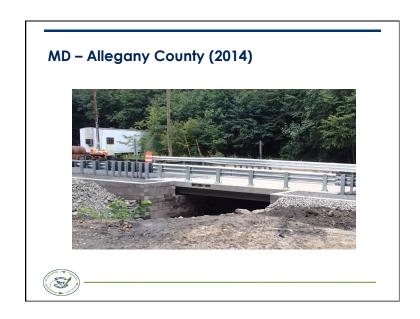


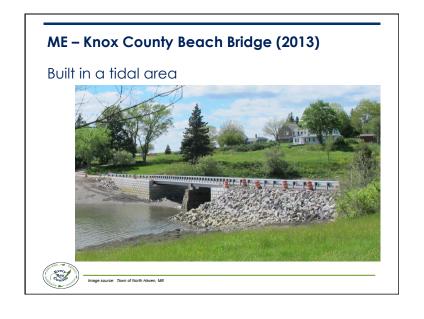


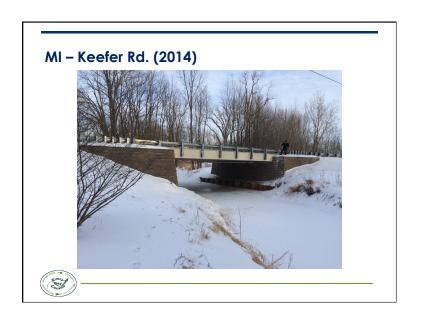










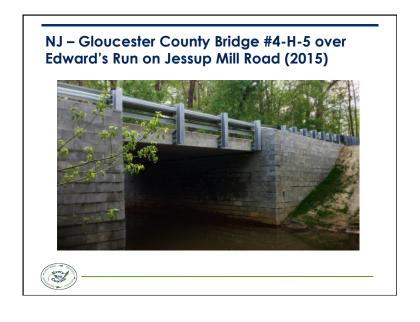




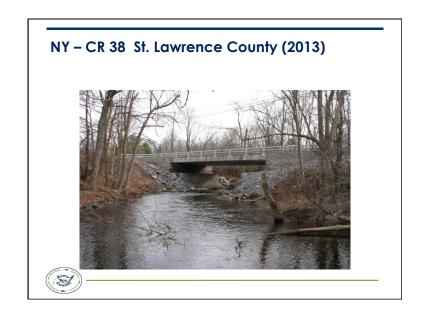


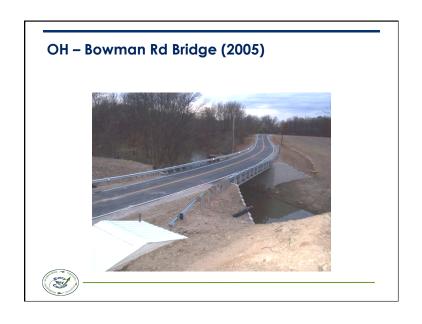




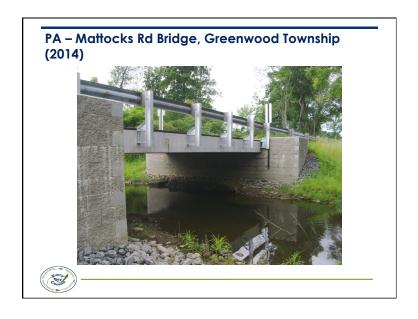






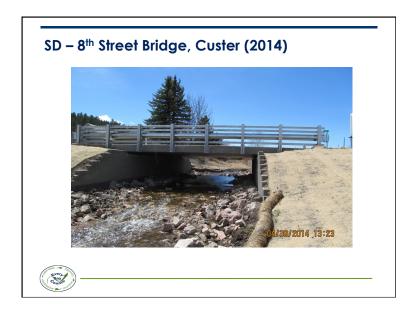


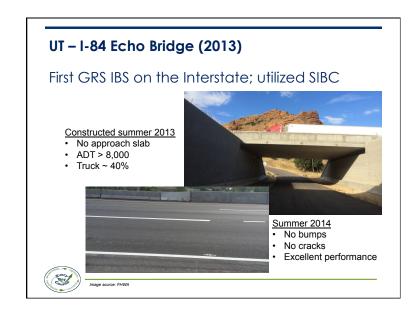


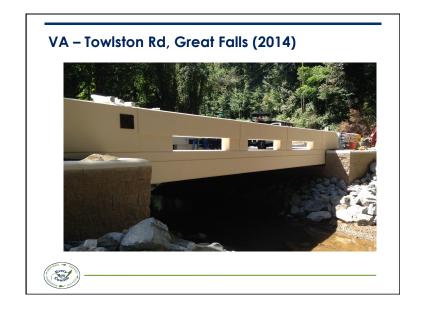






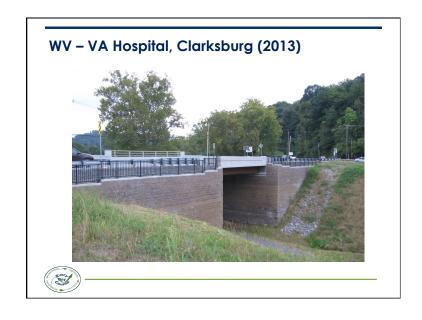


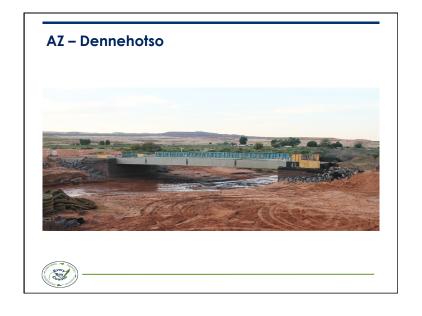












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Questions and Comments WV - Shockley Hill over Toms Run, Pipestem (2013)

Additional Resources

www.fhwa.dot.gov/everydaycounts

- Design and Construction Guidelines
- Construction Training Video
- Standard Plans
- Sample Guide Specifications
- Presentations
- FAQs
- Case Histories
- Event Calendar

