Arizona Dept. of Transportation

SHRP2 Innovative Bridge Designs for Rapid Renewal
Peer Exchange

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RP2

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Department Experience with ABC Techniques

- Performed a bridge slide of a single span PT-Box Girder Bridge in 1992.
- Box Beam Bridges-Qualifying under PBES category
- Use of Partial depth deck panels as alternative designs in 1990s
- The innovation came to a halt
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Experience with SHRP2 Toolkit
- Knowledge of it through various webinars
- Used as a supplement to investigate potential techniques in scoping bridge projects for ABC approach
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Past Challenges in implementation of PBES/ABC type initiatives and products.

- Defined User Costs to Support Selection
- Concerns about quality/durability
- Development of Standards and Specifications
- Concerns about higher costs
- Local construction industry investment/experience
Past Contractor Experience and Initiative

- Alternative Delivery Proposal Concepts
- Successful bidders have not involved ABC Approach
- Removing roadblocks in Request for Proposals
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Department’s current approach to ABC Projects

- Evaluate concept in scoping phase
- Utilize checklists developed by Utah and FHWA
- Prepare supplemental report evaluating ABC/PBES
- No projects have selected ABC techniques
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Recent Contractor Experience and Initiative

- Local Agency Use of SHRP2 Funding on CMAR Project
  - Gila River Indian Community – Gila River Bridge Slide
- Lessons Learned have spurred recent Value Engineering Proposal
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Future ADOT Projects with ABC Concept

- Interstate 17 Willard Springs TI
  - Scoping Phase of Bridge Slide
  - Potential to pursue IAP Funding through SHRP2
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