ABC PEER TO PEER EXCHANGE

BIG SKY COUNTRY PERSPECTIVES

SHRP2 Solutions
Innovative Bridge Designs for Rapid Renewal
ABC Techniques Used

- Prestressed Concrete Superstructure Elements – Bulb Tees / Tri-Decks
- Modular Steel I-Girders with Integral Concrete Deck
- Precast Concrete Cap on Driven Piles
- Longitudinal Concrete Deck Panels with Closure Pours
- GRS (Geotextile Reinforced Soil) / IBS (Integrated Bridge System)
Prefabricated Bridge Element System
Prefabricated Bridge Element System with Driven Piles – Bulb Tee Beams
Prefabricated Bridge Element System with Driven Piles – Bulb Tee Beams
Prefabricated Bridge Element System – Tri Deck Beams
Modular Steel I-Girders with Integral Concrete Deck and CIP Closure Pours
Modular Steel I-Girders with Integral Concrete Deck and CIP End Walls
Longitudinal Concrete Deck Panels on Steel Girders
Geotextile Reinforced Soil
So Why Does Montana Do It?

- Remote Locations
- Short Construction Seasons
- Limited Detour Options / Narrow Corridors / Topography
- Environmental & Wetlands Impacts
- Safety Concerns with Long Term Use of Detour Routes
- High Cost of Traffic Control Can Outweigh Additional Cost of ABC
Lessons Learned

• Quality Fabricators and Experienced Contractors are a Must
• Prepare for a Steep Learning Curve
• Pay Attention to the Details of Constructability – KISS
• Allow for Errors and Field Modifications
• Skews are Not Your Friends
• Public is Less Interested in How You Did It and More on You Just Getting It Done
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