ABC Projects - Indiana

Milton Madison Bridge Slide & I70 over SR 121 Bridge Slide

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ABC Projects - INDOT

• Past Project: Milton Madison Bridge Slide
• Current Project: I-70 over SR 121
• Future Projects: TBD
Milton Madison Bridge Slide

- Built 1929 (80+ Year Old Bridge),
- Remaining Life <10 years
- Functionally Obsolete (24 ft Wide)
- Structurally Deficient (Posted 3 Ton 2011)
Milton Madison Bridge Slide

• 3117 ft Long (Total), Steel Truss Superstructure (2428 ft)
• Concrete Piers
• Connecting Madison-Indiana & Milton-Kentucky
• AADT 11,000 VPD
• 55 Mile Long Detour (Non-ABC Option)
• Bridge Slide TV documentary (Edited Version):

[Link to Milton Madison Bridge Slide]

• Full Video Can be watched @:

http://www.miltonmadisonbridge.com
Lessons Learned:

• Coordination among the DB Team; Prime Contractor, The Designer, & Subcontractors (Lifting/ Sliding)

• Contingency Plans; Equipments, Lifting, Sliding, Deck Pour, Etc.

• Communication; Meetings, Specific and Productive, Small Group Meetings if Necessary.

• Scope of Work: Clear and specific when required, Leave Room for Innovation of the DB Team.
I-70 over SR 121 Bridge Slide

• Twin Structures, Three Spans Each
• 2-12 ft Lane, 5’-8” & 11’-0” Shoulders (Each BD)
• AADT = ~35,000 vpd (~ 50% Distribution)
I-70 over SR 121 Bridge Slide

• Design Bid Build Method
• Status: Stage 1 plans submitted to INDOT on Sept. 10, Letting Apr. 2017
• Closure time: 14 days for each Bound
• MOT (ABC): Cross-over
• MOT (Conventional): Cross-over; Longer Traffic Queue (One Lane of Traffic for Longer Construction Time)
I-70 over SR 121 Bridge Slide

Alternates:

1. DO Nothing (Not an Option)
2. Conventional Construction Method (MOT = Cross-over)
3. **Self-Propelled Modular Transportation (SPMT)** (MOT = Cross-over + Detour for SR 121)
4. **Slide-in Construction** (Cross-over)
5. Hybrid Slide-in Construction (Cross-over)
Alternates:

Alternate BID Option
Option 3 & 4 to be Detailed
Future ABC Projects

TBD
Questions?