EDC - Bridge

EDC 2
- GRS-IBS
- Lateral Slide

EDC 3
- UHPC

NEW

ABC
- Right of Way & Utilities
- Contracting Requirements
- Geotechnical Solutions
- EIS Programmatic Agreements
- Procurement Methods
- ABC Decision Making Tools

PBES
Slide-in Bridge Construction

Slide-In bridge construction (SIBC, more commonly known as "lateral slide") is one of several Accelerated Bridge Construction (ABC) technologies being promoted by the FHWA Every Day Counts program.

This web page links to a variety of key resources from across the country. The focus is on helping owner-agencies, designers, and construction contractors with no experience in SIBC get started in implementing this technology. Read more about SIBC

Quick Links

https://www.fhwa.dot.gov/construction/sibc/
Formation of ABC Subcommittee

AFF10 General Structures – parent committee
AFF10(3) – Subcommittee for ABC

https://sites.google.com/site/trbaff103
TRB Committee on General Structures (AFF10)
Subcommittee on Accelerated Bridge Construction (AFF10-3)

Approximately one-fourth of the Nation's 600,000 bridges require rehabilitation, repair, or total replacement. The construction-related work used to address these needs can have significant impact to the surrounding area including mobility, safety, and other social-economic related impacts. Throughout the U.S., owner agencies are realizing that the results of using ABC strategies not only help address onsite related constraints, but can also improve how a bridge program is delivered when used in a more routine, programmatic manner.

Scope: The TRB Accelerated Bridge Construction (ABC) Subcommittee supports research, technology transfer, and implementation to advance ABC technologies related to policy, planning, procurement, design, materials, construction and contracting. The objective of the subcommittee is to expand the knowledge and expertise to foster the implementation of ABC related technologies.

https://sites.google.com/site/trbaff103/home
• Research Topic Ideas (RTIs) → RNS
  – Rapid demolition techniques for ABC
  – Material considerations for ABC
  – Overall project delivery impacts for ABC
  – Modern survey and site scanning technologies for PBES
  – In service bridge inspections for ABC projects using PBES technologies
• 2015 Annual Meeting
  – Workshop: PBElements
  – Paper Session
  – Sign up as a Subcommittee Friend!!!
NCHRP

- **NCHRP 12-98** Guidelines for PBES Tolerances and Dynamic effects for Bridge Moves
- **C-13** System Performance of Accelerated Bridge Construction (ABC) Connections in Moderate-to-High Seismic Regions
Project Examples use PBES/ABC

- Project Summary
- Contract Plans
- Specifications
- Bid Tabs
- Schedule
- Pictures
Lateral Slide Showcase
Second Week of August
US-131 North/Southbound
bridge over 3 Mile Road
(Grand Rapids)
Thank You!

FHWA

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