



ACCELERATED BRIDGE CONSTRUCTION
UNIVERSITY TRANSPORTATION CENTER

Accelerated Bridge Construction University Transportation Center

AASHTO Committee on Bridges and Structures 2020 Annual Meeting – June 1-5, 2020



FLORIDA
INTERNATIONAL
UNIVERSITY



UNIVERSITY of
WASHINGTON



The
UNIVERSITY
of
OKLAHOMA



University of Nevada, Reno

IOWA STATE
UNIVERSITY

ABC-UTC Workshops

Available Now!

Half-Day Workshop on Contractor / Owner Collaboration on ABC Programs

Regional workshop for contractor/owner collaboration on reasons and purpose surrounding the paradigm shift in State decision-making for implementing ABC as common practice in bridge project delivery and to assist contractors and suppliers in partnering in this effort.

Coming Soon!

Training Workshop on Non-Proprietary UHPC

To provide ready-mix plants, contractors, and other interested stakeholders with essential information for producing UHPC that is not proprietary.

1-Day Training Workshop on ABCs of ABC

To provide latest and essential ABC information, customized for different agencies, to include: contracting methods, AASHTO ABC Guide Specification, construction methods, contractors' perspectives, ABC bridge systems, international experiences, and more.

Note: The ABC-UTC is developing a waiting list. Please let us know if you are interested in any or all of these workshops by sending an email to aazizina@fiu.edu.

Example ABC-UTC Research Outputs Ready for Implementation

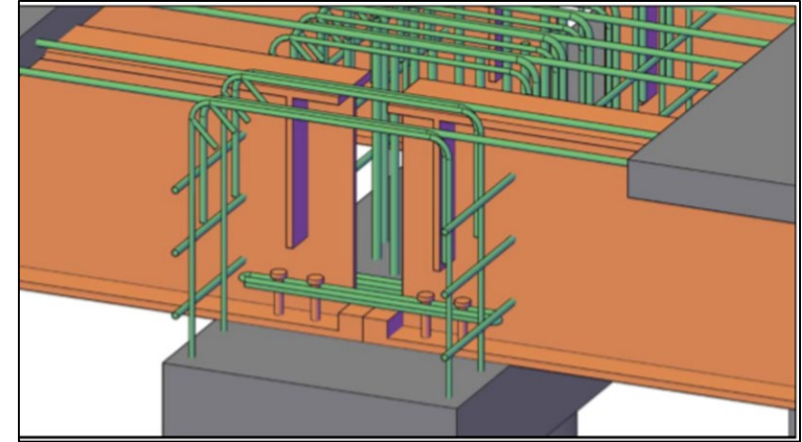
Superstructure-to-Pier Connection in SDCL Steel Bridge Systems

[ABC-UTC-2013-C2-FIU04]

Developed SDCL connection for seismic and non-seismic regions; proof-tested in shake-table test

For more information:

[FIU Final Report; ABC-UTC Guide; publications on connection](#)
[UNR Final Report on shake-table test](#)



Integral Abutment Connections for ABC Projects

[ABC-UTC-2013-C3-ISU02]

Developed integral abutment connection details (grouted reinforcing bar coupler; UHPC connection)

For more information:

[FIU Final Report; ABC-UTC Guide](#)



Note: The ABC-UTC encourages bridge owners to incorporate these research outputs in your bridge projects. Please send an email to aazizina@fiu.edu if interested.

Published ABC-UTC Guides

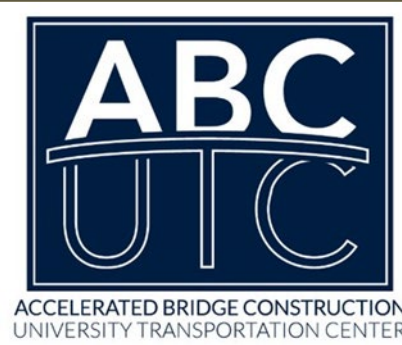
[\[https://abc-utc.fiu.edu/resources/abc-utc-guides/\]](https://abc-utc.fiu.edu/resources/abc-utc-guides/)

Research Project #	ABC-UTC Guide
ABC-UTC-2016-C1-OU02	Assessing the Effects of Frequent, Low-Level Seismic Events
ABC-UTC-2013-C3-FIU03	NDT Methods Applicable to Health Monitoring of ABC Closure Joints
ABC-UTC-2013-C3-FIU04	Full-Depth Precast Concrete Deck Panels
ABC-UTC-2013-C3-FIU05	A Predictive Computer Program for Proactive Demolition Planning
ABC-UTC-2013-C3-ISU01	Development of Guidelines to Establish Effective and Efficient Timelines and Incentives for ABC
ABC-UTC-2013-C3-ISU02	Integral Abutment Connections for ABC Projects
ABC-UTC-2013-C3-ISU03	Inspection and QA/QC for ABC Projects
ABC-UTC-2013-C3-UNR02	Rebar Hinge Pocket Connections, Hybrid Grouted Duct Connections, and SDCL Steel Girder Connections
ABC-UTC-2013-C2-FIU04	Superstructure-to-Pier Connection in SDCL Steel Bridge Systems
ABC-UTC-2013-C1-FIU05	Service Life Design of Longitudinal Deck Closure Joints

Short Course Training Modules Available by December 2019

- 1. Available ABC Bridge Systems for Short Span Bridges**
[ABC-UTC-2016-C2-FIU03]
- 2. Design of Link Slabs**
[ABC-UTC-2016-C2-ISU04]
- 3. The Risk Due to Induced Earthquakes and Accelerated Solutions**
[ABC-UTC-2016-C2-OU02]
- 4. Design of CFST Components and Connections for Transportation Structures**
[ABC-UTC-2016-C2-UW03]
- 5. Seismic Connections**
[ABC-UTC-2016-C2-UW02]
- 6. Non-Proprietary UHPC Short Course**
[ABC-UTC-2016-C2-OU01]

Please let us know if you are interested in these short courses by sending an email to aazizina@fiu.edu.



Next ABC-UTC Conference

December 8 – 10, 2021

Miami, Florida

Please mark your calendars!

The ABC-UTC will soon be sending an invitation to State DOTs to be non-financial Co-Sponsors of the 2021 Conference