

CONCRETE CONNECTIONS

Concrete Connections is an annotated list of websites where information is available about concrete bridges. Links and other information are provided at www.aspirebridge.com.

IN THIS ISSUE

<https://nationalconcretebridge.org>

The National Concrete Bridge Council (NCBC), along with its supporting organizations, is offering a free six-part webinar series on concrete durability. Registration for upcoming webinars and recordings of previous presentations can be accessed via this link. Recent collaborations and forthcoming publications from the NCBC are discussed in the Perspective article on page 10.

<https://highways.dot.gov/research/publications/infrastructure/FHWA-HRT-23-077>

The Perspective article on page 16 discusses the forthcoming *Guide Specifications for Structural Design with Ultra-High-Performance Concrete (UHPC)*, which was adopted by the American Association of State Highway and Transportation Officials (AASHTO) Committee on Bridges and Structures at its May 2023 meeting. The guide specifications are a culmination of the efforts of many individuals and organizations. This is a link to a download the 2023 Federal Highway Administration (FHWA) report *Structural Design with Ultra-High Performance Concrete*.

<https://highways.dot.gov/research/laboratories/saxton-transportation-operations-laboratory/Truck-Platooning>

The FHWA webpage at this link provides information, resources, and a video demonstration about truck platooning. The Perspective article on page 47 describes some of the research and strategies that are being developed to properly account for truck platoons in concrete bridge design.

<https://www.structuraltechnologies.com/case-studies/?f=transportation>

The firm STRUCTURAL TECHNOLOGIES is featured in the Focus article on page 6. This is a link to a web page of its transportation case studies, which include projects such as the fiber-reinforced-polymer applications for the rehabilitation of the Indian Creek Village Bridge in Florida and post-tensioning systems for the Kanawha Bridge in West Virginia.

https://international.fhwa.dot.gov/programs/mrp/electrically_isolated_tendons_webinar.cfm

The webinar recording available at this link was created as part of the FHWA's global benchmarking study on electrically isolated tendons for the nondestructive evaluation of post-tensioning (PT) systems. The presentation includes information on the PT Installer Training Center, which was one of the inspirations for the PT Academy mentioned in the Concrete Bridge Engineering Institute article on page 41.

<https://tsp2bridge.pavementpreservation.org>

The Concrete Bridge Stewardship article on page 28 outlines how the Wisconsin Department of Transportation (WisDOT) has used bridge-element condition data and automated bridge management software to predict component deterioration and better plan for bridge preservation activities. A collaboration enabled by the AASHTO TSP-2 Midwest Bridge Preservation Partnership played an important part in developing WisDOT's modeling and preservation strategies. This is a link to the AASHTO TSP-2 website, which includes many resources for bridge preservation.



Join us for the last 3 sessions!

The Concrete Durability Series

A 6-Part Webinar Series on Cutting-Edge Techniques to Assess, Repair, and Protect Concrete Bridges for Extended Service Life

Jan
17

Galvanic Encasements & Jacket Systems

With: Jason Chodachek, VCT
Time: 2:00 - 3:00 PM (EST)

Feb
21

Extending Bridge Life Using Targeted Cathodic Protection

With: Shayan Yazdani, VCS
Time: 2:00 - 3:00 PM (EST)

Mar
20

Surface Applied Cathodic Protection

With: David Whitmore, VCT
Time: 2:00 - 3:00 PM (EDT)

Register Now!



For more information and to register, scan the QR code or visit wesavestructures.info/webinars