

## 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.org](http://www.aspirebridge.org).

### IN THIS ISSUE

#### <https://www.pensacolabaybridge.com>

The 106-span Pensacola Bay Bridge replacement is the focus of the Project article on page 20. This is a link to the official project website, which has several videos composed of animations, film, and renderings showcasing construction activities, in-service experiences, and community outreach programs related to the project.

#### <https://www.mdt.mt.gov/other/webdata/external/cadd/RDM/SAMPLE-PLANS/Reconstruct.PDF>

The Project article on page 16 presents a 10 mile U.S. Route 2 rehabilitation effort in remote northern Montana, which includes several bridge rehabilitation and replacement projects. This is a link to the plans for the Lohman E & W project.

#### [https://www.youtube.com/watch?v=aFQLcBM4\\_Z8](https://www.youtube.com/watch?v=aFQLcBM4_Z8)

This is a link to a YouTube video of the virtual public meeting for the Massachusetts Department of Transportation Acceler-8 Interstate 90 project, held on February 9, 2021. The meeting presents, in detail, project aspects and schedule. The project, which used accelerated bridge construction techniques, is the focus of the Project article on page 24.

#### [https://www.pci.org/PCINE/Technical\\_Resources/Bridge\\_Resources/NEXT\\_Beam.aspx](https://www.pci.org/PCINE/Technical_Resources/Bridge_Resources/NEXT_Beam.aspx)

The Interstate 90 Acceler-8 project in Massachusetts, described in the Project article on page 24, used Northeast Extreme Tee D beams to reduce project costs and accelerate construction. This is a link to the Northeast Extreme Tee (NEXT) Beam web page on the PCI Northeast website.

#### <http://www.seattle.gov/transportation/projects-and-programs/programs/bridges-stairs-and-other-structures/bridges/west-seattle-bridge-program>

The repair of the West Seattle Bridge is one of the case studies presented in the Concrete Bridge Preservation article on page 28. This is a link to a Seattle Department of Transportation web page that provides information on the repair project, including a narrated video. The web page also includes links to the bridge replacement study, additional repair videos, and detour information..

#### <https://www.concrete.org/portals/0/files/pdf/rap-6.pdf>

Concrete repair is a topic of both a Concrete Bridge Technology article on page 40 and a Concrete Bridge Preservation article on page 34. The American Concrete Institute (ACI) has published several Repair Application Procedures (RAP) bulletins authored by ACI Committee E706 Concrete Repair Education. This link provides access to RAP-6: *Vertical and Overhead Spall Repair by Hand Application*. Other bulletins include RAP-1: *Structural Crack Repair by Epoxy Injection*, RAP-4: *Surface Repair Using Form-and-Pour Techniques*, and RAP-8: *Installation of Embedded Galvanic Anodes*

#### [https://www.michigan.gov/documents/mdot/SPR-1670-2019\\_644044\\_7.pdf](https://www.michigan.gov/documents/mdot/SPR-1670-2019_644044_7.pdf)

The County article highlighting Clare County, Mich., on page 37 presents the use of a generic ultra-high-performance concrete developed by a University of Michigan research program funded by the Michigan Department of Transportation. This is a link to download the research program and field study report, *Commercial Production of Non-Proprietary Ultra High Performance Concrete*.

#### <https://connect.ncdot.gov/resources/Materials/Pages/Prestress-Concrete-Standard-Repair-Procedures.aspx>

The Concrete Bridge Technology article on page 40 describes how the North Carolina Department of Transportation (NCDOT), with the assistance of local precasters, has implemented standard repair procedures for certain fabrication defects in precast concrete members. This is the link to a NCDOT web page that lists these standard repair procedures and their applications. Other state agencies may have similar standard repair protocols or procedures.

### OTHER INFORMATION

#### <https://www.asbi-assoc.org/index.cfm/events/MonthlyWebinars>

The Spring 2022 issue of *ASPIRE*® included both a Project article and Concrete Bridge Technology article on the Selmon West Extension in Tampa, Fla. This is a link to the American Segmental Bridge Institute monthly webinar page, which provides access to a recorded webinar on the design and span-by-span erection of the project's extradosed finback structure.

#### <https://www.whitehouse.gov/wp-content/uploads/2022/04/M-22-11.pdf>

This is a link to a memorandum issued on April 18, 2022, by the Office of Management and Budget to provide implementation guidance to federal agencies and other entities of the revised "Buy America" rules for infrastructure projects. The memorandum also outlines how aspects of the Infrastructure Investment and Jobs Act are affected.

#### <https://store.transportation.org/Item/CollectionDetail?ID=229>

The American Association of State Highway and Transportation Officials (AASHTO) has published the second edition of the *LRFD Guide Specifications for Bridges Carrying Light Rail Transit Loads*. This new edition of the guide specifications clarifies live loading and derailment loading and improves alignment with the *AASHTO LRFD Bridge Design Specifications*, ninth edition, with which they are to be used. This is a link to the AASHTO online store, which provides the publication's table of contents and introduction, in addition to purchasing information.