

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.

IN THIS ISSUE

<https://www.pci.org/workforce>

Workforce development is a hot topic in the construction industry. This is a link to PCI's workforce development resources webpage, which offers many resources related to worker recruitment, retention, and wellness. The Focus article on page 5 answers questions about how to drive change in workforce development.

<https://www.pa.gov/agencies/penndot/projects-near-you/district-1-projects/route-6-bridge-replacement-project-near-saegertown>

The French Creek Parkway Bridge no. 3 project near Hayfield and Woodcock Townships, Pa., is noted in the Perspective article on page 8. This is a link to the project website, which provides a project overview and a project presentation.

<https://www.buildingsmart.org>

Open data standards developed by buildingSMART International, which are referenced in the Perspective article on page 11, can be found at this link. The website includes the buildingSMART Data Dictionary, Information Delivery Specification, and BIM Collaboration Format.

<https://cvent.utexas.edu/event/DCIP-1001/details>

This is the link to the registration page for the Concrete Bridge Engineering Institute's (CBEI's) Bridge Deck Construction Inspection Program, which is described in the CBEI article on page 50. The program is open to the public.

<https://www.aspirebridge.com/magazine/2015Summer/ASPIRESupplementSummer2015.pdf>

The Polk Creek bridges discussed in the Concrete Bridge Technology article on page 23 use an innovative solution that incorporates curved precast, post-tensioned concrete U-girders. A supplement to the Summer 2015 issue of *ASPIRE*[®], found at this link, tracks the development of the U-girder.

https://www.aspirebridge.com/magazine/2007Summer/veterans_glass_sum07.pdf

Monitoring of the Interstate 280 Veterans' Glass City Skyway (VGCS) is presented in the Safety and Serviceability article on page 46. Shortly after construction of the VGCS was completed, the bridge was featured in the Summer 2007 issue of *ASPIRE*. This link takes the reader to the Project profile of VGCS in that issue.

<https://www.fhwa.dot.gov/pavement/concrete/asr/pubs/hif12022.pdf>

This is a link to the *Alkali-Silica Reactivity Field Identification Handbook*, published by the Federal Highway Administration. The handbook offers an explanation of the chemistry behind alkali-silica reactivity (ASR) and many photos and guidelines to help identify ASR-related deterioration in the field. The Concrete Bridge Technology article on page 30, which is the latest article in a series about cracking, covers the structural evaluation of ASR-affected concrete bridges.

<https://www.aspirebridge.com/magazine/2021Spring/CBT-LoadRatingSegmentalBridges.pdf>

The Professor's Perspective on page 52 discusses the calibration of load ratings for segmental bridges. The Concrete Bridge Technology article in the Spring 2021 issue of *ASPIRE*, found at this link, gives useful background on the challenges associated with load rating segmental bridges.

<https://www.codot.gov/projects/i70westvailauxiliarylanes>

The Interstate 70 West Vail Pass auxiliary lanes project website can be found at this link. As part of the project to enhance safety and reduce congestion through the steep mountain pass, the Colorado Department of Transportation is replacing the bridge structures over Polk Creek in Summit County, Colo., near the town of Vail. The bridge replacements are the focus of the Concrete Bridge Technology article on page 23.

<https://www.nationalacademies.org/publications/28597>

This research report from the National Cooperative Highway Research Project (NCHRP) on load rating of segmental bridges, was the focus of the Professor's Perspective on page 52.

You Matter. Your Mental Health Matters.

Scan the QR code to access PCI Wellness resources, including mental health support, prevention tools, and on-demand learning.

- Support designed for the construction industry
- Confidential mental health and prevention resources
- Webinars and eLearning focused on stress, resilience, and well-being
- Tools to help break the stigma and encourage seeking help

