

## LEAP Bridge Concrete CONNECT Edition V20 Update 1 (Aug. 28, 2020)

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<b>Version</b>	V20.01.00.14
<b>Operating Systems</b>	Windows 7 x64, Windows 8 x64, Windows 10 x64
<b>Language</b>	English

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### Before you begin, please note the following:

- Review the End-User License Agreement (or EULA) carefully during the installation of LEAP Bridge. By installing this release, you agree to the terms and conditions of the agreement. A copy of the End User License Agreement named EULA.pdf will be included in the "\\LEAP Bridge Concrete\eula.pdf" folder of the product installation. By default, this location is "C:\Program Files\Bentley\LEAP Bridge Concrete."
  - Before installing LEAP Bridge, be sure to fully read this document as well as the Installer Note where you can find critical information important to your installation.
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This document contains the following information:

- What is New & Changed?
  - Installer Notes
  - Support and Services Information
  - Using the Online Help
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### What is New & Changed?

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LEAP Bridge Concrete (LBC) CONNECT Edition is the consolidated version of all LEAP standalone products including CONSPAN, CONBOX, RC-PIER, GEOMATH, and CONSPLICE. It incorporates Bentley CONNECT which helps you produce better designs by facilitating collaboration, interoperability, standardization and skills development. For an organization and enterprise, CONNECT provides greater insight and control over project design, deliverables and the people working on them. To learn how CONNECT will benefit you and your projects, please read this (<http://bit.ly/CONNECT-Overview>). Please note that the LEAP Bridge Concrete files are not backward compatible. Once they are opened and saved in newer versions, they cannot be opened in older versions.

### CONNECT Licensing

This product version utilizes CONNECT Licensing, which is not supported by SELECT activation key(s).

## [CONNECT Licensing](#)

([https://communities.bentley.com/products/licensing/w/licensing\\_wiki/37813/connect-licensing](https://communities.bentley.com/products/licensing/w/licensing_wiki/37813/connect-licensing))

features new behavior to enhance your organization's user administration and security with mandatory user sign-in via CONNECTION Client to access the application. If you are already signed in to the CONNECTION Client, you have met this prerequisite. If you have not, please refer to the [Administrator's Resource Center](#) (<https://www.bentley.com/en/perspectives-and-viewpoints/topics/campaign/bentley-user-registration>) and/or contact your administrator for assistance in the registration and sign-in process. For more information about working with the Update service, visit the [Update Infrastructure SharePoint](#) ([https://bentley.sharepoint.com/sites/MSPP/\\_layouts/15/start.aspx#/SitePages/Update%20Infrastructure.aspx](https://bentley.sharepoint.com/sites/MSPP/_layouts/15/start.aspx#/SitePages/Update%20Infrastructure.aspx))page.

Following enhancements are available in this release.

- Consolidated LEAP Bridge Concrete in OpenBridge Designer  
This enhancement is the extended consolidation of LEAP Bridge Concrete's superstructure and substructure modules with OpenBridge Designer.
- Read Custom Girders from OBM  
This enhancement offers the capability to read custom girder sections with complex geometry or details, and interprets them using the simplified templates provided by LEAP for analysis and design under BIM workflow.
- Read Diaphragm from OBM  
This enhancement allows LEAP analytical to read the diaphragms defined in OpenBridge Modeler, transfer and distribute the related load among girders based on the layout of the diaphragms for analysis and design under BIM and Standalone workflow.
- Read Traffic Barriers from OBM  
This enhancement allows LEAP analytical to read the information of the material, layout, simplified equivalent geometry of traffic barriers from the physical model, and provides the related load transfer for analysis and design under BIM and Standalone workflow.
- Louisiana State Option  
This enhancement offers the custom configurations in LEAP to comply with the practice preference requested by Louisiana Department of Transportation and Development.

Apart from the enhancements to LEAP Bridge Concrete listed above, this release incorporates fixes for the following bugs.

- Precast/Prestressed Girder module (formerly called CONSPAN)
  - Unknown symbols reported for the stresses in the design check under the Service Limit States for a user's file.
  - Incorrect calculations of the effective prestressed strand area at the critical location in the shear design check.
- CIP RC/PT Girder module (formerly called CONBOX)
  - Error message window popped up "Frame Analysis Failed!" when analysis of bridge model with integral pier was running.
- Substructure module (formerly called RC-PIER)
  - Unable to retain user's input of the Strut-and-Tie model.
  - Incorrect load effects on pile group when both LFD code and P-Delta option were selected.

- False error message about the range of steel reinforcement layout after Auto Design for stem wall.
- Incorrect live load information on number of truck positions and number of all combinations of truck positions in the final analysis and design reports.
- Loads did not get transferred from pier column to the well foundation.

ON24 session/registration links:

<https://www.bentley.com/en/global-events/accelerate/2020/openbridge-virtual>

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## Installer Notes

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**As this version of the LEAP Bridge Concrete has become part of the OpenBridge Designer, please refer to the detailed installation guidance coming with OpenBridge Designer.**

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## Support and Services Information

FAQs, What's New/Changed and other technical information can be found on Bentley's [technical support documentation](https://www.bentley.com/en/support) (<https://www.bentley.com/en/support>) page.

Please log issues that you encounter in Bentley products with the [Service Ticket Manager](http://apps.bentley.com/srmanager/ProductSupport) (<http://apps.bentley.com/srmanager/ProductSupport>).

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## Using the Online Help

LEAP Bridge Concrete features a user manual available in the *.chm* format. The step by step guides to the tutorials is also provided in the *.chm* format. Tutorial files are located in Example directory. To access the manual and tutorial guides, select the appropriate link from the Help menu.

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