LEAP Bridge Concrete CONNECT Edition V19 (Jun 25, 2019)

Version	V19.00.00.50
Operating Systems	Windows 7, Windows 8, Windows 10
Language	English

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.

This document contains the following information:

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

What is New & Changed?

LEAP Bridge Concrete (LBC) CONNECT Edition V19.00.00.22 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). This release extends CONNECT features further.

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)
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%20Infrastructu
re.aspx)page.

Note: You may need to contact your system administrator if your organization uses a proxy server to
connect to the Internet. Click the Proxy... button in the Product Activation Wizard to display a dialog for
entering these connection settings.

We recently identified important issues in the market version 19.00.00.22 of LEAP Bridge Concrete
CONNECT Edition. Details of the issues are listed as shown below. We have fixed those issues in the
maintenance release v19.00.00.50.

- Main module
    - Crashing issue when the change made in ABC Wizard was saved.
- Precast/Prestressed Girder module (formerly called CONSPAN)
    - Unable to run the analysis through for some old LEAP Bridge Concrete files.
- Substructure module (formerly called RC-PIER)
    - Intermittent error messages "Frame Analysis Failed! Frame Model Unstable."
      popped up when some user files were run for analysis.
    - Incorrect steel reinforcement layout was used at top location of pier column in the
      column design check.
- Spliced Girder module (formerly called CONSPLICE)
    - Unable to define/edit loads and load combinations at various construction stages.

Installer Notes

How to install LEAP Bridge CONNECT Edition?

This section guides you through the process of installing LEAP Bridge on your computer. In order to
install LEAP Bridge Concrete, please login as an Administrative user. LEAP Bridge can be installed by
invoking Setup.exe. If you use Setup.exe, no other special consideration is necessary. Simply follow the
instructions that follow. For details on the installation, please refer to the Installation Wizard section in
this manual.

Note: LEAP Bridge Concrete requires Microsoft .NET 4.5 framework to be installed in order to operate
properly.

Upgrading to the newer version of LEAP Bridge Concrete

Before following the Installation Wizard instructions, please note the following regarding the libraries:

- During installation, program default libraries will be added under "C:\ProgramData\Bentley\LEAP Bridge Concrete\" folder to comply with Windows standards to eliminate problems with access to users without Admin privileges.
- The installation program will not overwrite the files already existing in the library folder.
- If you have customized program libraries, you can move them to the above folder, and set the correct paths in the Library Setup dialog from within LEAP Bridge interface.

Installation Wizard:

- First log into the Bentley CONNECTION Center (https://connect.bentley.com/) and download the LEAP Bridge Concrete installation files for the version you have purchased.
- Once you have downloaded the LEAP Bridge Concrete installation files, locate the install folder. Run the installer file by double clicking the setup.exe icon.
- You will be greeted by the Welcome screen. Click Next> to proceed with the installation process.
- You are now presented with the End User License Agreement for this software. Please read the agreement and then click the radio button to accept the terms. You may also print a copy for your records. Click Next> to continue.
- You will be asked for an installation location. This is the directory location of the program on your computer.
- The installer now has gathered all the information needed to complete the installation. Click Install to finish the process. The wizard begins installing the program onto your computer. Once the process is complete, click Finish to exit the Wizard.
- After the installer completes its process, the program is ready for use. You can launch the program by clicking the Start button and then All Programs > Bentley > LEAP Bridge Concrete.

Note: Until you have activated a license for the program, it will remain in the demo mode and function for only 30 days past installation.

Directory Structure

The default directory of LEAP Bridge Concrete is "C:\Program Files\Bentley\LEAP Bridge Concrete \", if the user has not changed the location during installation. The tutorials are installed in the Example directory within LEAP Bridge folder. Help directory within LEAP bridge folder contains all the necessary help files for individual components. Lib folder contains the default library files for rebars, tendons, cross sections. It is recommended not to delete the default library files. Starting with v12.01.00.57, there is a change in the location of the library files. During installation, program libraries will by default be added under "C:\ProgramData\Bentley\LEAP Bridge Concrete\" folder to comply with Windows standards to eliminate problems with access to users without Admin privileges. If you have customized program libraries, you

can move them to the above folder, and set the correct paths in the Library Setup dialog from within LEAP Bridge interface.

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) page.

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

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.