

# LEAP Bridge Steel CONNECT Edition V19 Update 3 (October 15, 2019)

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<b>Version</b>	V19.01.00.10
<b>Operating Systems</b>	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 Steel. 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 default product installation folder, namely, "C:\Program Files\Bentley\LEAP Bridge Steel CE V19".

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This document contains the following information:

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

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What is New & Changed?

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LEAP Bridge Steel (LBS) CONNECT Edition 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 project team. 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. To learn how CONNECT will benefit you and your projects, please read this (<http://bit.ly/CONNECT-Overview>).

Following enhancement is available in this release.

- Drilled shaft in the substructure of LBS  
This enhancement completed the modeling of drilled shaft in LEAP Bridge Steel so that the related full analysis and design of the drilled shaft is supported.

Apart from the enhancement, this release incorporates fixes for the following bugs.

- Option to include and exclude haunch in section property calculations were incorrectly reversed.
- Web capacity was incorrecly reported as zero instead of the appropriate capacity of unstiffened web.

- The steel design code check related to the compression-flange stress in Service II was not correctly considered.
  - Material properties were not correctly assigned to all analytical member in a user's file, causing the failure of analysis.
  - Lateral bending stresses were incorrectly reported as zero in the rating reports.
  - Unable to run the column design for a hammer head pier in LEAP Bridge Steel.
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## Installer Notes

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### How to install & activate LEAP Bridge Steel CONNECT Edition?

#### Contents:

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

Note: LEAP Bridge Steel requires Microsoft .NET 4.5 framework to be installed. The Setup.exe will detect and install it if necessary.

#### Upgrading to the newer version of LEAP Bridge Steel

You can now have two versions of LEAP Bridge Steel installed on your computer. The latest version will be installed in the default folder – C:\Program Files\Bentley\LEAP Bridge Steel CE V19, separate from the previous version's default installation folder – C:\Program Files\Bentley\LEAP Bridge Steel CE V18 U2.

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#### Installation Wizard:

- First log into the Bentley CONNECTION Center (<https://connect.bentley.com/>) and download the LEAP Bridge Steel installation files for the version you have purchased
- Once you have downloaded the LEAP Bridge Steel installation files, start the installation process by double-clicking the setup.exe file.
- You will be greeted by the Welcome screen. Click Next> to proceed with the installation process.

- You will then be 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 on 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 typing LEAP Bridge Steel in Windows 10.

Note: Until you activate the license for the program, it will remain in the demo mode and function for only 7 days past installation.

Activating the product

CONNECT Licensing:

This product version utilizes CONNECT Licensing, which is not supported by SELECT activation key(s). 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 and/or contact your administrator for assistance in the registration and sign-in process.

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.

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## Directory Structure

The default directory of LEAP Bridge Steel is "C:\Program Files\Bentley\LEAP Bridge Steel CE V19", if the user has not changed the location during installation. The tutorials are installed in the Example directory within LEAP Bridge Steel folder. Help directory within LEAP bridge Steel folder contains all the necessary help.

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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 page (<https://www.bentley.com/en/support>).

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

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## Using the Online Help

The step by step guides for the tutorials are also provided in the .chm format. Tutorial files are located in the Example directory. To access the manual and tutorial guides, select the appropriate link from the Help menu.

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