



Version	V20.01.00.05
Operating Systems	Windows 8 x64, Windows 10 x64
Language	English

LARS Bridge CONNECT Edition V20 Update 20.01.00.05 Release Notes August 2020

LARS Bridge CONNECT Edition V20 is a modernized version of LARS using a completely new format and new capabilities. Using this version, the LARS users can create new models of steel, concrete, and timber bridges including multi-girder steel bridges, girder floorbeam stringer (GFS) bridges, prestressed concrete bridges, reinforced concrete bridges, and timber bridges. LARS users can also import existing bmd files or DAT files or models from BrR Database.

New features added in this release:

- Batch processing:
 - Using this feature, user can run multiple lrs files for different vehicles and different rating combinations in batch mode.
 - Batch run is available for all three codes (LRFD, LFD, ASD).
 - User can select any designated folder for saving the .lrs files after batch run. These files have all the results saved in them.

- Updated help manual that include how to use batch import and batch run for converting bmd/dat and BrR files to .lrs format. The updated help manual also includes the help file for Analysis – Loads dialog and Analysis – Analysis/Rating dialog.
- Detailed tutorial for Manual of Bridge Evaluation (MBE) A1 Steel Multi-Girder Composite Bridge:
 - Step by step modeling, analysis, rating and report generation of MBE A1 Bridge example.
 - Verification of the LARS analysis and rating results with literature (A1 example from MBE).
- Enhanced concrete report showing various factors used for the analysis and rating calculations (load factors, resistance factors, factors used for capacity calculations).
- Bridge type imports (bmd/.dat/BrR to lrs) supported:
 - Steel multi-girder bridges (composite/non-composite).
 - Prestressed concrete bridges:
 - I girders, box girder (with or without voids), T-beams.
 - Reinforced concrete bridges.
 - Timber bridges (rectangular sections).
 - Girder floor beams and stringer (GFS) bridges.
 - Multi-material bridges (all combinations of steel and concrete and timber bridges):
 - LARS imports multi-material bridge in single lrs file and create different bridge inside same file for each material type.

Note: LARS versions are not backward compatible, i.e. a file created using a newer version of software cannot be opened using older version and those files cannot be converted to an older file format.

Subscription Entitlement Service (SES):

This product version utilizes Subscription Entitlement Service, which is not supported by SELECT activation key(s). SES is a free service, featuring 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 into 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.
