LARS Bridge CONNECT Edition V10 Update 09
Release Notes
December 2019

LARS Bridge CONNECT Edition V10 Update 09 is a maintenance release with several bug fixes including:

Bug Fixes:
- The issue related to program crashing when the prestressed concrete bridge customization settings options were used in the analysis. The customization was primarily addressing the movement of critical shear location to match the concentrated loads within 'd' distance from the support. This issue is fixed, and program will work with the above changes.
- The issue related to program crashing for the models with large number of input records. This issue is fixed.
- The issue of system factor being applied to strength moment and shear only for prestressed concrete bridge but it should be applied to all types of bridges is fixed. Reduction (phiS) was applied to service limit state, which is removed. For timber bridges the phiS = 1.0 in the V10.09.00.03. These issues are fixed and available for the users.

- The issue of XFR files crashing program in the complex truss rating in the SUPERLOAD. The LARS was not accepting the Bridge ID more than 6 character. These two issues are also fixed in the release.
- The issue of LARS not calculating accurate moment capacity at specific location (CP 3.0) is fixed. Earlier, program was using wrong Cb value to (value from LFD) for Mp calculation. This issue was fixed and now program uses correct Cb.
- The issue related to LARS fillet dimensions for voided concrete box girder bridges is fixed. Earlier, for the box girder bridges with less than 17" depth, the program was using 3" fillet. Now, program uses 2" thick fillet for box girder bridges less than 17" depth. This issue is fixed and will be available in version V10.09.00.03.
- The issue related to LARS not calculating the correct moment of inertia for voided concrete box girder bridges. This issue is fixed and available in version V10.09.00.03.
- The issue related to LARS not multiplying the rating factor by 40 tons for lane type legal load as per MBE 6A.8.3 is fixed. Now program calculates the rating factor for legal load (including lane and truck) as per MBE 6A.8.3 and multiply the axle loads by the rating factor.

IMPORTANT NOTICE:

LARS Connector v10.09 supports the latest version of BrR (BrR 6.8.4).

For a successful connection between LARS Connector v10.09 and BrR versions 6.8.3, the file AASHTO.BrDR.Sys.dll in the BrR installation folder (e.g. C:\Program Files (x86)\AASHTOWare\BrDR683 or C:\Program Files\AASHTOWare\BrDR683) should be copied and pasted to LARS Connector installation folder (e.g. C:\BKey\ConnectorBrR68).