



**TXDOT ENGINEERING SOFTWARE SUPPORT
INFORMATION**

BridgeLink™

and

***Prestressed Concrete Girder SUPERstructure
Design and Analysis Program
(PGSuper™)***

This document provides end-user support information for the BridgeLink application. This support information will be updated, as needed, to remain current.

CONTENTS

CONTENTS

ABOUT BRIDGELINK (PGSUPER)

GENERAL SUPPORT INFORMATION

- Technical Support
- Reporting Problems
- Contact Information
- Release History and Support Status
- Determining the Installed Version

VERSION 7.0

- Status
- Known Problems/Issues
- Compatibility
- Installing and Removing the Software
- Summary of Changes

ABOUT BRIDGELINK (PGSUPER)

This software has been collaboratively developed and maintained by the Washington State Department of Transportation (WSDOT) and the Texas Department of Transportation (TxDOT under the Alternate Route Project (<http://www.wsdot.wa.gov/eesc/bridge/alternateroute/licenses.htm>) initiated and managed by WSDOT.

The TxDOT-customized version of BridgeLink is versatile, user friendly, Windows-based software for the design, analysis, and load rating of multi-span precast-prestressed concrete bridge beams/girders in accordance with the AASHTO LRFD Bridge Design Specifications (thru the 9th Edition, 2020) and TxDOT design policies and guidelines. Properties of TxDOT standard I-girders (TxGirders), U beams, slab beams, decked slab beams, box beams, and X-beams and TxDOT design criteria are included in templates and libraries published by TxDOT on a server accessible via the Internet. Thus, the software is capable of periodically updating the installed templates and libraries with the most current versions published by TxDOT.

Custom defined beam shapes that fit within each family of girder types supported by PGSuper can also be added to a user's installed copy of the templates, thereby extending the girder shapes that the user can design, analyze and load rate with the program.

The flexural design feature computes the required number and pattern of prestressing strands and the minimum required release and final concrete strengths. Specification checking evaluates girders for compliance with strength, serviceability, and detailing criteria. Horizontal and vertical shear design, analysis, and load rating is also facilitated.

A variety of results reporting is provided, including exhaustive and comprehensive reports, reports tailored to specific design or analysis features, fabricator optional design evaluation reports, and a TxDOT Girder Schedule Report ("TxDOT CAD Output").

Certain functionalities of this version of BridgeLink have been enhanced over that of the previous release and most known issues/bugs present in the previous release are fixed in this release. For a list of these changes, see the BridgeLink support information document.

To report bugs and for questions or technical support, please send an email to:
TxDOT_PGSuperHelp@txdot.gov

GENERAL SUPPORT INFORMATION

Product Name: **BridgeLink**
Current TxDOT Production Release: **Version 7.0**

Product Name: **PGSuper**
Current TxDOT Production Release: **Version 7.0**

Technical Support

Non-TxDOT users may request technical support when this software product is used to perform services for the department. **Note:** For WSDOT BEToolbox, XBRate, and PGSplice support, users must contact WSDOT. TxDOT does not provide technical support for these tools which are included in the BridgeLink 6.0 installation package.

Reporting Problems

TxDOT is committed to correcting problems associated with this software product. Users are encouraged to report all problems.

Contact Information

To request technical support or to report problems contact:

Texas Department of Transportation
 Bridge Division
TxDOT_PGSuperHelp@txdot.gov

Release History and Support Status

Product Name	Version	Release Date	Support Status
PGSuper	2.4.0	October 2010	Not Supported
PGSuper	2.5.1	September 2011	Not Supported
PGSuper	2.7.2	December 2012	Not Supported
PGSuper	2.7.3	October 2013	Not Supported
PGSuper	2.8.0	March 2014	Not Supported
PGSuper	2.8.2	November 2014	Not Supported
PGSuper	2.9.0	July 2015	Not Supported
PGSuper	2.9.1	March 2016	Not Supported
PGSuper	2.9.2	June 2016	Not Supported
BridgeLink	3.1.2	June 2017	Supported
BridgeLink	4.0.10	October 2018	Supported
BridgeLink	5.0	March 2020	Supported
BridgeLink	6.1	May 2021	Supported
BridgeLink	7.0	November 2022	Supported

Determining the Installed Version

To determine the version of BridgeLink or PGSuper installed on your computer, run BridgeLink or PGSuper and select **Help | About BridgeLink or PGSuper** on the main menu.

VERSION 7.0

Status

BridgeLink Version 7.0 is the current TxDOT production release.

Known Problems/Issues

There were no known problems associated with this release when it was released by WSDOT.

Compatibility

BridgeLink/PGSuper input files are backward compatible. This means that newer versions of the program can always open files created by an older version, but older versions of the program typically cannot open files saved by a newer version.

Installing and Removing the Software

TxDOT User

Use current TxDOT procedures for managing software on your workstation.

Non-TxDOT User

Prerequisites

Note that you must have adequate privileges (typically administrator level) on your computer in order to install or uninstall BridgeLink. If you do not have such privileges, contact your management/IT staff to install the program.

BridgeLink and previous version of the stand-alone PGSuper can run on the same computer together. The installer program for BridgeLink 7.0 will not remove the existing version of PGSuper.

Multiple versions of BridgeLink 7.0 and earlier cannot run on the same computer. Therefore, remove any existing version of BridgeLink prior to attempting to install a new version. The installer program for version 6.1 will do this automatically, so no need to manually remove the existing version before installing 7.0.

Installation

The current TxDOT production version of BridgeLink can be downloaded from http://www.txdot.gov/business/contractors_consultants/engineering_software.htm. Look for the description for BridgeLink (PGSuper), click on the title of the description, review the TxDOT Software License Agreement, fill out the short registration form (preferably with your real name, physical address and email address) and click 'I Accept these Terms'. After you have downloaded the file double click it to extract the *.msi and Readme.txt files. Read the Readme.txt file and then double-click *.msi to start the installation.

The first time you run BridgeLink, you will be prompted to configure the PGSuper, PGSplice, and TOGA. For PGSuper and TOGA, select "Download and synchronize..." with the TxDOT publisher. This will ensure that your version of the PGSuper library is synchronized with the most current TxDOT standards. If you do not have Internet access, or if PGSuper is blocked by your firewall, you must either resolve the issue or as use the mirror site at <http://www.pgsuper.com/content/txdot> and follow the directions there to configure BridgeLink. As a last resort, contact TxDOT at TxDOT_PGSuperHelp@txdot.gov to get the most current version of the library and template files.

Removal

BridgeLink (PGSuper) can be uninstalled from the Control Panel “Add and Remove Programs” (Windows XP) / “Programs and Features” (Windows 7) under the Start window. Simply double-click on “BridgeLink” to start the removal process. The installer program for version 7.0 will do this automatically in the case of an install so no need to manually remove the existing version. The installer can also be run after installation of 6.1 and the installation changed, repaired or removed.

Summary of Changes

A summary of the changes that have been applied to the PGSuper component of BridgeLink Version **7.0** (WSDOT release date of November 7, 2022 and all prior releases can be found at https://wsdot.wa.gov/eesc/bridge/software/index.cfm?fuseaction=release_history&software_id=47).