



PGSuper Version 2.9

From concept through construction, PGSuper is the most comprehensive, user-friendly, and technically advanced precast-prestressed girder bridge design, analysis and load rating software available.

New Features:

- User customizable reports. Organize reports how you would like to see them.
- Cascading prestress design: Tell PGSuper's automated design algorithm to attempt straight and debond designs before attempting a harped design, thus automatically creating the safest, most cost-effective prestressing design possible.
- Comprehensive automated design of transverse reinforcement
- LRFD 7th Edition 2015, and all additions back to 1998
- Much More!

Visit the PGSuper Resource Center at PGSuper.com:

Our web site gets you up to speed using PGSuper and keeps you running!

- PGSuper General Information
- News and Events
- Product Comparisons
- Free PGSuper Training
- Community-Based Support
- PGSuper Configurations for Your DOT

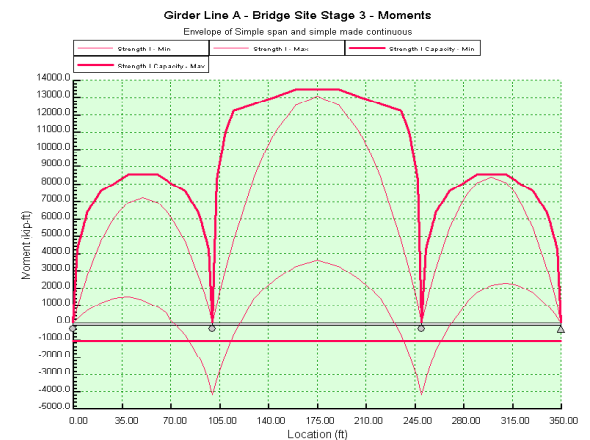
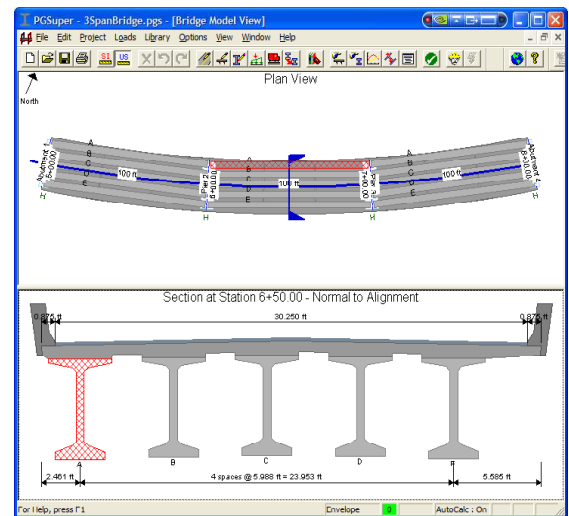
<http://www.pgsuper.com>



Like PGSuper? You'll Love PGSuper Professional!

Get even more productivity out of you favorite girder design tool. Check it out at:

<http://bridgesight.com/PGSuperProfessional>



PGSuper is Easy on Your Budget!

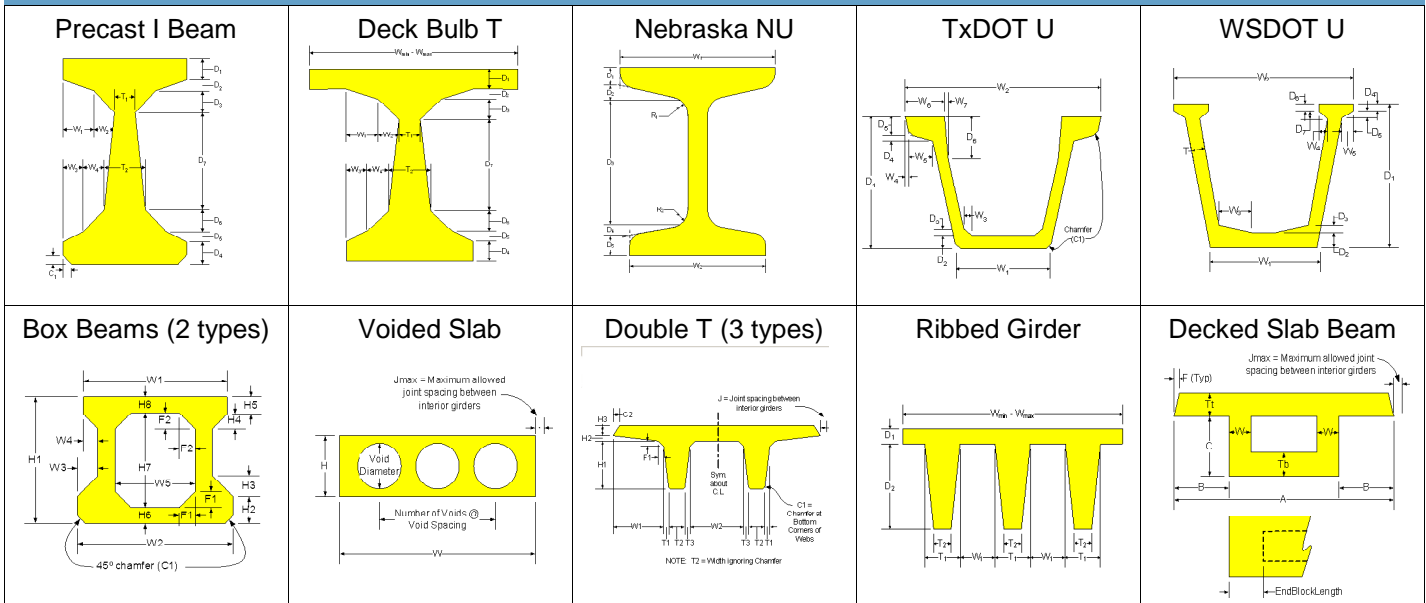
With PGSuper there are no licensing fees, no copy protection, no maintenance fees, or mandatory contract renewals. PGSuper is open source software and you can download it today from:

<http://www.pgsuper.com>

PGSuper Partners:



Got Sections? PGSuper's parametric girder shapes support virtually all sections made in the US including all AASHTO shapes
Need Another Section? Contact BridgeSight and we'll add it for you!



PGSuper Features:

Design Specifications:

- AASHTO LRFD 1998-2015
- Checks All Appropriate Specifications
- Highly Configurable
- User Input Stress Limits
- Computed Or User-Input Distribution Factors
- User-Input LRFD Load Modifiers
- Five Varieties Of Loss Calculations
- Lightweight or Normal Concrete

LRFR Rating:

- AASHTO Section 6A of the AASHTO Manual for Bridge Evaluation, 1st Edition, 2008
- User-defined design, legal load, and permit rating vehicles
- Operating, Design, and Inventory Levels
- Live Load Factors Can be Defined by Bridge Owner
- Routine and Special Permits
- Summary and Detailed Rating Reports

Automated Design:

- Harped and Straight Strand Design
- Debonding Design
- Concrete Strength (Release And Final)
- Transverse Reinforcement
 - Vertical Shear
 - Horizontal Interface Shear
 - Longitudinal Reinforcement for Shear
 - Bursting
 - Confinement
- Lifting And Hauling Points
- Required Slab Haunch

Analysis:

- Simple Or Continuous Spans
- Integral Pier Connections
- Multiple Stages
- Stress Checks For All Stages/Limit States
- User-Input Time Parameters For Creep
- Moment Capacity Using Strain Compatibility
- LRFD Shear Capacity
- Modulus Of Rupture For Cracking Moment
- Longitudinal Reinforcement For Shear
- Horizontal Interface Shear
- LRFD Optional Live Load Deflection
- Strand Slope Check
- Strand Hold Down Check
- Anchorage Zone Bursting Check
- Lifting In Casting Yard
- Hauling To Bridge Site
- Debonding Limits
- Many more "Reality" Checks

Complex Bridge Geometry:

- Modeling Of Full Roadway and Super Geometry
- Splayed and non-uniform girders
- Multi-Segment Horiz. & Vert. Curves
- Horizontal Spiral Curves
- Crown Point Offset
- Variable Width Deck
- Screed Camber, Required Slab Offset
- Skewed Piers
- All Common Deck And Overlay Types
- User-Defined Traffic Barriers

Girder Sections And Reinforcement

- 13 Parametric Girder Sections
- All Popular U.S. Prestressing Strand Types
- Harped And Debonded Strands
- Temporary Strands For Lifting And Hauling
- Mild Steel Rebar Used In Analysis
- Deck Reinforcement For Negative Moment
- Shear Reinforcement-Stirrup Layouts

Reporting

- Don't Guess What the Program Did—See It!
- High Level Of Details For All Calculations
- HTML Output, Highly Graphical
- Capacity And Demand Graphs
- Navigable Table of Contents & Text Searching

Loading:

- HL-93 and User-Defined Live Load
- All Dead Loads Automatically Computed
- User-Defined:
 - Point Loads
 - Distributed Loads
 - End Moments
 - Load Combination Factors

System:

- Windows Vista/W7/W8
- No Copy Protection

Units

- Hot Switchable: US Or SI

And Much More....

BridgeSight Inc. Can Help You Get the Most out of PGSuper!

Our Engineers Can Provide:

- Training
- Custom Software Configuration
- Custom Installation
- Custom Development Services

About BridgeSight Inc.
 Since 1996, we have teamed with state and federal agencies and private industry to support the development and deployment of bridge engineering software. BridgeSight has been involved with PGSuper since its inception.

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