



BRASSTM

Training Services



Training Services

BridgeTech provides specialized training in the use of BRASSTM software. A private instructor-led workshop is a great way to introduce engineers to the software or even provide a refresher for experienced users. A multi-day workshop is recommended if the focus includes BRASS-GIRDERTM, BRASS-CULVERTTM, or BRASS-PIER(LRFD)TM.

Training is priced at \$2750 per 2.5-hour session. Travel expenses are additional to the training price and are billed at actual cost except for meals (billed at the CONUS rate) and lodging (will not exceed the CONUS rate).



BRASS™

- Bridge Rating and Analysis of Structural Systems
- Suite of computer programs to assist the bridge engineer in many aspects of structure design, analysis and rating.
- Licensed by the Wyoming Department of Transportation



- Visit www.dot.state.wy.us/home/engineering_technical_programs/bridge/brass.html for BRASS™ cost and licensing information.

The BRASS™ Suite



GIRDER



CULVERT



PIER(LRFD)



PIER



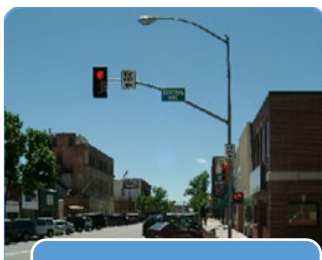
SPLICE



PAD



TRUSS



POLE



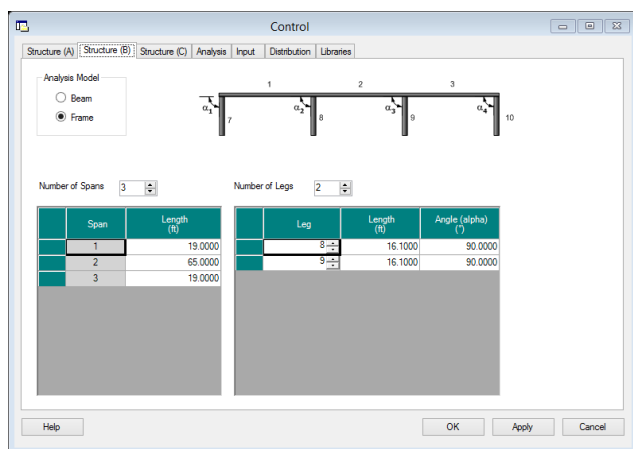
DIST



Workshop Topics and Description

- Use cases
- Analysis methods
- Capabilities
- Features
- User interface
- Running an analysis
- Analysis results and reports
- Hands-on examples
- Implementation strategies

The training begins with a presentation of capabilities and features of the BRASS™ software and moves into a live demonstration to familiarize everyone with specific BRASS™ programs. The rest of the training consists of hands-on examples where information from plans or schematics is input into BRASS™, analyses are run, and results are reviewed. Throughout the training, strategies are discussed for utilizing the BRASS™ software for your structure inventory and incorporating it into your office practice.



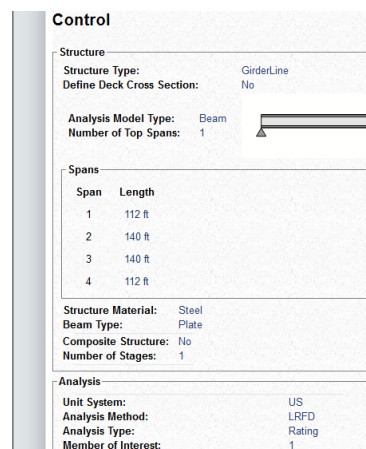
Contents



Show input associated with:
 All analysis methods
 Selected analysis method

Administration
 Bridge Notes
 Control
 Output
 Factors
 Materials
 Dead Load Groups
 Live Loads
 Component Groups
 Specification Control

Member
 Member Notes
 Member Materials
 Beam Profile
 Hinges
 Special Locations
 Splice Locations
 Supports



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AASHTO REFERENCE: 6.10.6.2.3 Noncomposite Sections
EQUATION NO.: N/A
Input Yield stresses (ksi):
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  Bot Flange = 36.000

Yield stresses may not exceed limit.
AASHTO Limit: 70.000
Result Code: PASS

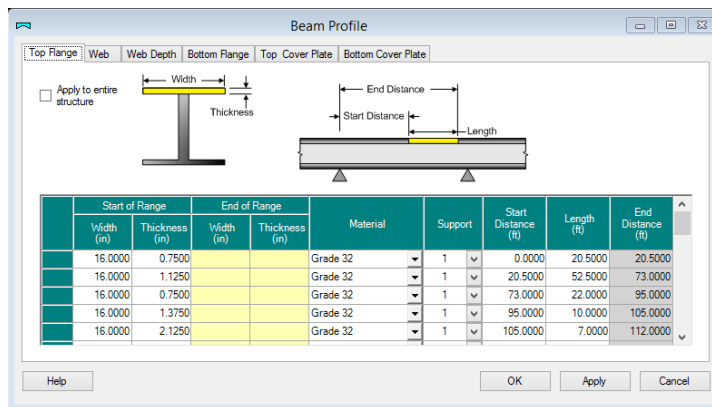
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EQUATION NO.: 6.10.6.2.3-1
Input Parameters:
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  tw = 0.775 in    Fyc = 36.000 ksi

Calculated Value: 2 * Dc / tw = 40.490
AASHTO Limit: 5.7 * SQRT(E / Fyc) = 161.779
Result Code: PASS

AASHTO REFERENCE: N/A
EQUATION NO.: 6.10.6.2.3 (A6.1-2)
Input Parameters:
  Iyc = 419.481 in^4
  Iyt = 419.481 in^4

Flange Proportions:
  Calculated Value: Iyc / Iyt = 1.000
  AASHTO Limit: 0.300
Result Code: PASS

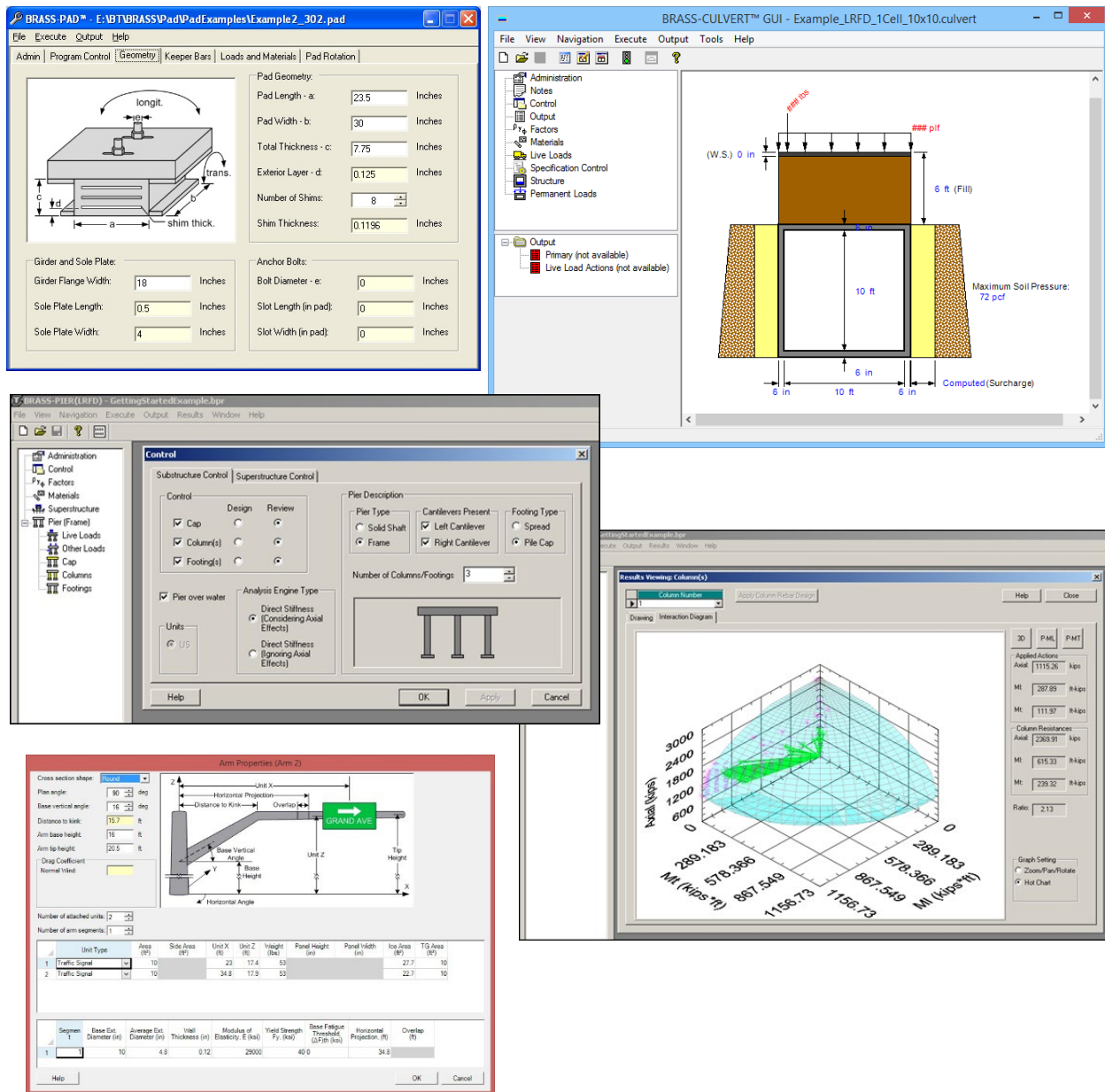
*****
** Section is NOT COMPACT **
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BridgeTech, Inc. has maintained and enhanced BRASS™ programs for the Wyoming Department of Transportation for over **30 years**. Our professional engineers have provided BRASS™ training to over **500** engineers, raters, and consultants throughout the national bridge community.



Please contact BridgeTech for a custom quote for BRASST[™] training services.



BridgeTech, Inc. is a team of civil engineering professionals who specialize in highway bridge engineering software applications, special studies, and consulting services. Our team helps plan, develop, maintain, and enhance several structural engineering software systems that are used daily within the United States. Members of our engineering team are Professional Engineers licensed in the State of Wyoming.

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