

RELEASE NOTES

for

BRASS-POLE™

Version 4.8

April 2021

General

The BRASS™ Incident Tracking System can be found at <https://www.wydot-brass.com>. Users without an account for the incident tracking system can request an account by clicking on the "Open a New Account" link/button and e-mailing the address or calling the phone number listed. A username and password will be created and sent to the user. All BRASS™ technical support questions should be logged in this system.

Program Maintenance

The following issues were addressed for this release. The incident number is listed in parentheses after each issue if applicable.

Maintenance

- Updated the GUI to Visual Studio 2019. (1747)
- Updated the analysis engine to Intel Parallel Studio XE Composer Edition for Fortran 2020. (1760)
- Updated the GUI grid control to use Spread.NET Version 14. (1866)
- Updated the application to provide 64-bit executables and DLLs. (1877, 1890)
- Updated the "Technical: Mast Arm: Pole Loads" and "Technical: High Mast: Pole Loads" topics in the help system to explain how the deflection at the top of the pole is calculated. (1906)
- Updated the analysis engine to Intel Fortran Compiler 2021. (1921)
- Updated the GUI to open the existing corresponding output file when an input file is opened. Previously, the user had to run an analysis for the output file to be shown. (1931)

Bug Fixes

- Corrected the minimum number of sides limit calculation to use the flat-to-flat distance per the definition of "D" in the notations article. Additionally, the calculation was revised to reference Equation 5.14.2-1. An exception was made for 13" diameter poles so they are limited to eight sides per the specification. (1901)
- Corrected the output file for a high-mast pole to eliminate a blank page that was generated in preparation for writing fatigue analysis results even if no fatigue analysis was selected. (1933)
- Corrected the output file to eliminate shrunken content when printing, which would occur when the Title, Engineer, or Comments entered in the GUI were too long. The Title and Engineer strings are truncated to fit within the typical page width and the Comments string is truncated to 240 characters spread over three lines if necessary. (1934)