



Class Calculator ArcGIS Pro Add-in



- BUILT-IN VALIDATION TOOLS
- FULLY INTEGRATED W/ARCGIS PRO
- FULLY CONFIGURABLE

Responsibly Improving
the World We Live In



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Defendable U.S. and Canadian Class analysis results that users can rely on

Easily compare different Class results, from different years, along a pipeline and quickly locate areas of Class change.

CHA Integrated Solutions (CHA) provides this ArcGIS Pro add-in to calculate and validate Class Location areas in The United States and Canada in accordance with the regulatory and safety requirements for successful gas pipeline operation. This Class calculator for ArcGIS Pro is designed in accordance with U.S. 49 C.F.R §192.5 and for Canada, CSA Z662-19. Users find the results are defendable and can easily save the settings for reuse, comparisons, and auditing purposes. Advanced Class Location analysis logic, such as structure-by-structure validation or visual sliding class assessment unit (e.g., one mile), makes this a perfect tool for those needing to run Class analysis on their assets.

This flexible tool has the ability to save, re-use, and share analysis configurations. The US Class tool allows users to run a standard sliding class calculation with or without clustering, utilizing attributes of structures to drive each analysis. The users can define exactly what data to include for each portion of the analysis and only the features that meet the criteria specified will be used. The Canadian Class tool was developed in coordination with top CSA experts so that it would meet or exceed the CSA Z662-19 requirements. As results are generated for either US or Canadian pipelines, users can view them as a map and easily export the data.



ADVANTAGES

> Defendable results saved for on-demand analysis and audits

> Ability to calculate both U.S. Class and Canadian Class

> Optional clustering for U.S. assets

> Provides a quick view of continuous sliding assessment unit

> Configurable data export

> Calculations are consistent, repeatable and defendable

> Database agnostic

> Includes interactive visual validation tools

> Ability to save, re-use, and share analysis configurations

> Output layers allow users to see results in a variety of ways

> Layer styles save time with formatting outputs and make results easy to understand

> Compare results and identify areas of Class change

CONTACT US TODAY FOR A PERSONALIZED DEMO OF THIS POWERFUL TOOL

Class Calculator Pro Add-in

Integration with Esri's ArcGIS Pro brings advantages:

The integration with ArcGIS Pro provides a variety of benefits, such as a clear and comfortable user experience, the ability to easily export the results in standard Esri formats, and it leverages ArcGIS Pro's built-in filter and selection tools. Through this filtering, the users can drill down to validate results. Another huge advantage is that users can bring this tool in-house, versus paying a vendor, to lower out of pocket costs.

Class Calculator for ArcGIS Pro benefits:

The built-in validation tools give users the confidence they are meeting federal requirements. This tool is database-agnostic, working through ArcGIS Pro against any supported map layer data source, from local file geodatabases to enterprise geodatabases, or even feature services.

The Class Calculator for ArcGIS Pro is designed to streamline the workflow process wherever possible. Powerful analysis tools are also provided to understand, verify, and interpret the analysis results. Users can run multiple analyses over the same area, with different inputs, to perform a "what if" analysis and compare the results side by side.

This Class tool can manage a large number of pipeline data sets and manage data for multiple pipelines. Users have the ability to select an entire pipeline, line segments, or specific areas they want to run an analysis. Clients report they appreciate having the flexibility to select one route or thousands of routes to a run an analysis.

Calculations are consistent, repeatable, and defendable.

