



TEDDS® benefits Hanson Professional Services Inc. - USA



▶ Retaining Wall Design in TEDDS

Hanson Professional Services Inc.

www.hanson-inc.com

Hanson Professional Services Inc. is the single source for all your architectural, engineering and management services needs. From traditional A/E services to innovative design-build concepts, Hanson gives you a competitive advantage. And as a nationwide consulting company, we offer the global vision you desire with the local solutions your projects require.

Since our company was founded in 1954, we've been giving our clients a competitive advantage for more than 50 years. From design to construction, we focus on each stage of a project and each client's goals, budgets and timeline.

Hanson has adopted CSC's TEDDS® software to speed up the creation of their design calculations. With its ever-growing library of standard calcs and the ultimate flexibility for writing your own – TEDDS enhances your calc productivity and facilitates significant commercial advantage.

Key benefits derived from TEDDS:

Flexibility to create my own calculations

I enjoy writing my own calculations in TEDDS because they can be personalized. Different people understand concepts in different ways; I can put together calculations in a way that makes the most sense to me. This makes it so much easier to understand what I was trying to accomplish with a calculation when I come back to it at a later date.

Time saving through speed

TEDDS is definitely a time saver. Many calculations we've created are from a retaining wall project we were working on for several years. We produced final structure plans for more than 60 retaining walls, totaling more than 2.9 miles in length. While every wall was different in some way (height, active or at rest earth pressures, etc.) some of the same calculations were performed for multiple walls. The most common calculations were for the loading and reinforcement design for the reinforced concrete facing. The few days we spent writing these calculations saved us weeks of otherwise tedious trial-and-error rebar design for the large number of walls to which these calculations applied. Originally written with SI units, all of these calculations have since been converted to U.S. units and continue to be used.

Accuracy and reduced risk of mistakes

When I get an error message, I appreciate that it's typically fairly simple to figure out the cause of the problem. My most common errors come from mismatched units. I effectively use TEDDS to check that all of my inputs have the correct units, and that the units of the results are really what I want or expect them to be.

Consistency of presentation

In TEDDS, I see the entire calculation that is producing the end result - unlike a spreadsheet where I see only the results. I also enjoy using TEDDS because it's so easy.

▶ Vincent Tabor – Civil Engineer