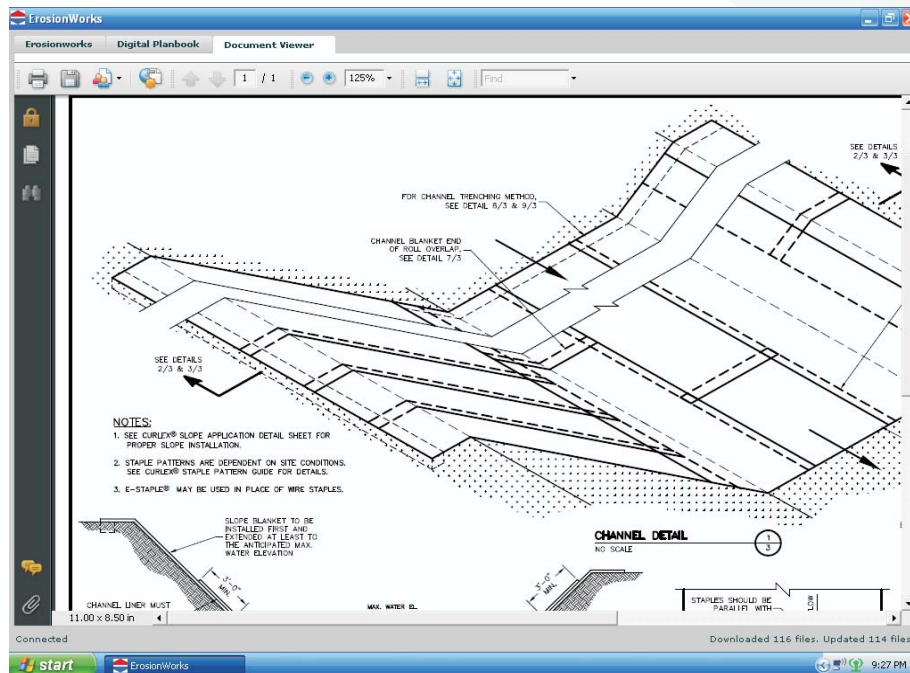


# ErosionWorks® Online

## YOUR Erosion Analysis and Design Program That Always Gets BETTER!

Historically, American Excelsior Company has been the leader in the erosion control industry. We have added features to the ErosionWorks analysis and design program to continue satisfying requests from our customers. ErosionWorks is capable of analyzing hillslope erosion based on single rainfall events or average annual conditions and channel erosion for various geometries and hydraulic conditions. Complete Department of Transportation (DOT) approvals for all our products are provided within the program. Product recommendations are made based on your design parameters and now the program even estimates how much material you will need and budgetary costs associated with installing the solution. Need to revisit a project evaluation in the future? No problem. ErosionWorks contains your very own "My Reports" section where you can store and retrieve projects at anytime. Enhanced savable/printable .pdf reports contain all the information you need for your evaluation. Lastly, ErosionWorks is complimented by an extensive Digital Plan Book and thorough Reference Manual. The Digital Plan Book contains all our technical support documents, case studies, videos, etc. that are presented on your computer in a user friendly display. Download your free copy of ErosionWorks and Digital Plan Book or run ErosionWorks from the Internet today at: [www.erosionworks.com](http://www.erosionworks.com).



### NEW FEATURES:

- New Material Estimator
- New Good, Better, Best Recommendations
- New Options Available (100% biodegradable, functional longevity, etc.)
- New report capabilities including your own savable/retrievable "My Reports" section
- New Digital Plan Book for your computer to accompany and support ErosionWorks
- Available on CD for a one time download to your computer
- Desktop program automatically updates when internet connection is present (you ALWAYS have the most current program and support documentation)

American  
Excelsior  
Company®

Earth Science Division

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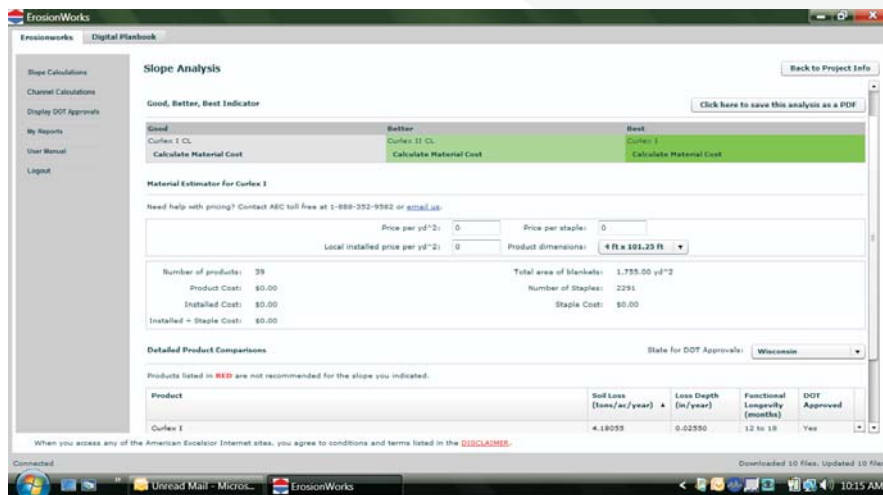




## YOUR Erosion Analysis and Design Program That Always Gets BETTER!

### EROSIONWORKS NEW FEATURES

- ✓ Determines amount of erosion control blankets (ECBs) needed and coverage area with selected material
- ✓ AEC Slope Interruption Devices added to the slope analysis to determine product needed and recommended spacing
- ✓ Calculate product and installation costs based on the pricing information you input
- ✓ Good, Better, or Best product recommendations for your input conditions
- ✓ Filter products for 100% biodegradable or functional longevity options
- ✓ Save and recall your own analysis reports in the "My Reports" section
- ✓ New Digital Plan Book to accompany and support ErosionWorks
- ✓ Does not require Internet connection to run



### Hillslope Erosion

- ✓ Single storm analysis tool determines the kinetic energy of the exact storm you need to design to based on framework provided by the Revised Universal Soil Loss Equation (RUSLE).
- ✓ Average annual slope analysis, which is based on the standard time-proven RUSLE.
- ✓ Program provides a list of products and their performance capabilities for the topographic conditions presented by your specific project site.
- ✓ ErosionWorks calculates hillslope soil loss using all AEC rolled erosion control products (RECPs) and compares the soil loss to bare soil conditions.
- ✓ Hillslope calculations are based on the climatic, geotechnical, topographic, surface cover management, and support practice characteristics of your project site.
- ✓ Both single storm and average annual hillslope analyses are suitable for use on a variety of slope applications including, but not limited to: landfill side-slopes, highway cut and fill slopes, mine reclamation sites, pipelines, Residential/commercial/industrial developments, parks, golf courses, airports, dams, etc.

### Channel Erosion

- ✓ ErosionWorks allows you to analyze hydraulic conditions found in typical open channel applications. Options include: Trapezoidal, Parabolic, and Rectangular channel analysis along with Known Hydraulics for cases when the design hydraulic conditions have already been determined.
- ✓ Manning's formula is used to compute the hydraulic conditions based on your project's requirements.
- ✓ Expected flow depth, flow velocity, Froude number, and shear stress are calculated based on your anticipated flow conditions.
- ✓ Stability factors, considering both velocity and shear stress criteria, tell you the products that are suitable for the channel design hydraulic conditions entered.
- ✓ ErosionWorks channel erosion analyses are suitable for use on a variety of channel applications including, but not limited to: roadside ditches, drainage swales, streambanks, riverbeds, landfill downchutes, culvert aprons, diversions, levees, pipeline stream crossings, drop structures, spillways, etc.



If you would like to receive more information or consult with one of our Customer Care Center Specialists, please call us toll free at (888-352-9582) [www.curlex.com](http://www.curlex.com)

Form#028/082008E