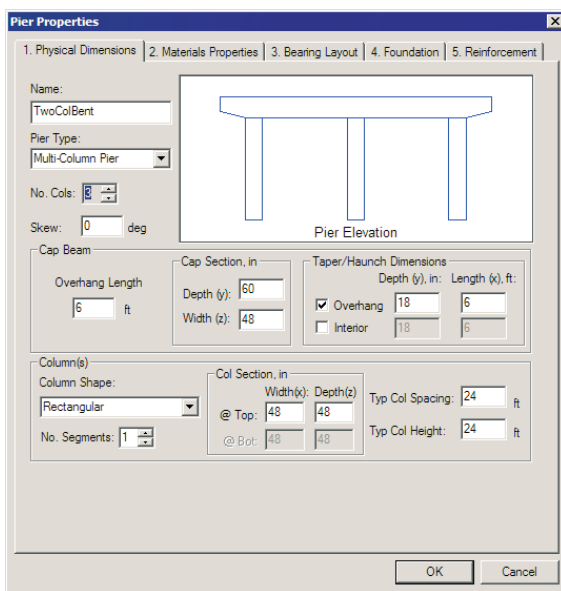


Introducing ET Pier Designer, a high-performance Windows-based program for the design and analysis of highway bridge piers, bents, and abutments. ETPier seamlessly combines the functionality of a state-of-the-art structural analysis engine and concrete column, beam, and footing design programs. Integration of the critical design tasks into one system means you get superior productivity and flexibility and improved quality control.

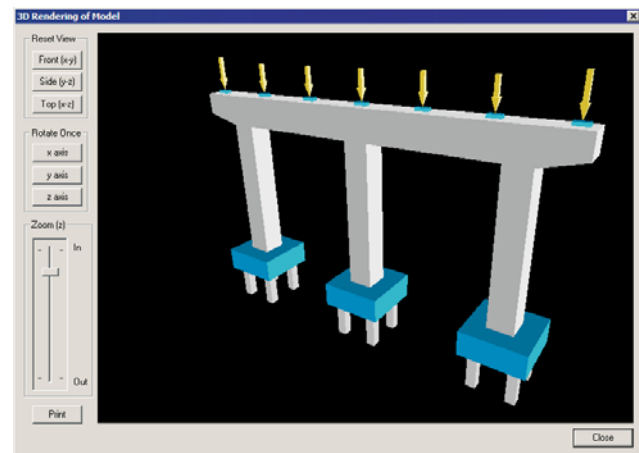
ETPier is specifically designed for bridge substructures. Powerful parametric modeling wizards are included to facilitate rapid structure layout and generation. Specify which load combinations to investigate and ETPier will automatically process them and quickly identify the governing case for each component of the structure.

And as with PSBeam, ETPier includes hot code switching, allowing you to switch between the AASHTO LRFD and Standard Specifications at any time during design. Instantly, you can switch specifications to see just where the differences between them really are. There's no better way to learn LRFD!



◀ Powerful Modeling Wizards Cut Prep Time

ETPier includes several structure generation and layout wizards to facilitate modeling. Rapidly, you can generate the structural framework, create pile patterns, and specify rebar patterns. All program-generated objects are fully editable, giving you complete control over all aspects of the design.



True 3D Modelling ▶

ETPier incorporates true 3D modelling and visualization into the project. Structural analyses are more accurate. Results and project geometry are easier to see and interpret.

Key Features

- Piers, bents, and abutments
- AASHTO LRFD or Std Specs
- Dual units: US & metric
- Hammerhead or multi-column
- Spread or pile footings
- AASHTO load types & groups
- Automatic analysis
- True 3D Modelling
- Auto beam and column design

Node	X (ft)	Y (ft)	Z (ft)
1	8.000	0.000	0.000
2	8.000	12.000	0.000
3	8.000	24.000	0.000
4	32.000	0.000	0.000
5	32.000	12.000	0.000
6	32.000	24.000	0.000
7	6.000	26.500	0.000
8	6.000	26.500	0.000
9	8.000	26.500	0.000
10	10.000	26.500	0.000
11	30.000	26.500	0.000
12	32.000	26.500	0.000
13	34.000	26.500	0.000
14	40.000	26.500	0.000

◀ Fast and Efficient Input and Editing

Input and editing are greatly facilitated with ETPier's spreadsheet-like input grids. Just as with a spreadsheet, you can quickly and easily navigate your way through a large amount of data with just a few key strokes or mouse clicks.

System Features

- MS Windows 95/98/NT/2000/XP
- Network/WAN compatible
- No copy protection
- Highly graphical interface

Design Specifications

- AASHTO LRFD (thru 2005)
- AASHTO Standard Specifications
- Hot switch between specs

Substructure Types

- Spread footings
- Footing on piles
- Footing on drilled shafts
- Pile bents
- Columns on drilled shafts

Structural Modeling

- True 3D modelling
- Framework generation wizard
- Bearing seat layout wizard
- Specify skew angle

Cap Beam Types

- Prismatic
- Tapered - interior and/or exterior
- Combination straight/tapered

Column Types

- Circular
- Rectangular
- Tapered in both directions

Structure Base Fixity

- Fixed base
- Pinned connection
- Variable torsional springs

Materials Properties

- Concrete properties
- Rebar properties
- Transverse steel properties

Reinforcement Options

- Rebar library
- Straight ends
- Hooked ends
- Sloped bars

Permanent Load Types

- Structure dead load (DC)
- Wearing surface (DW)
- Utilities
- Earth pressure

Transient Load Types

- Vehicular live Load
- Dynamic load allowance (IF)
- Braking force
- Centrifugal force
- Earthquake force
- Pedestrian Load
- Wind on structure
- Wind on live load
- Creep and shrinkage
- Water and ice loads
- Temperature

Load Generation

- Import dead and live loads from *PSBeam*
- Generate wind load cases
- Seismic load cases

Load Group Combinations

- All Standard Spec groups
- All LRFD Spec groups
- User-defined groups

Analysis Options

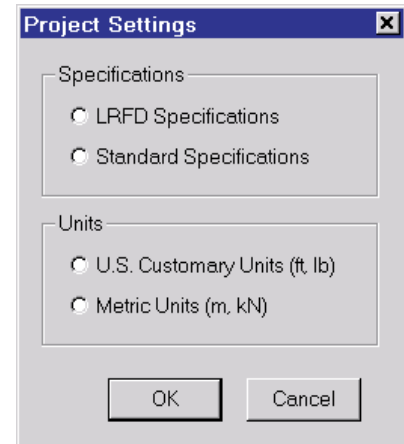
- Automatic group processing
- P- analysis
- Moment magnification

All Critical Design Checks

- Service check
- Flexural strength
- Shear - vertical and horizontal
- Crack control

Dual Units

- US Customary
- Metric
- Hot-switch between systems



Output Options

- Highly-graphical output
- Detailed design reports
- At-a-glance status bar
- Export results to other programs

Fast & Efficient Editing

- Spreadsheet-like input & editing
- Data generation wizards
- Scaled graphical views

Program Documentation

- Comprehensive user manual
- Step-by-step tutorial problems
- In-depth theory section
- Detailed QC Manual
- Complete benchmark problem set

Take a Demo!

Try **ETPier FREE** for 20 days. Take a fully-functional copy out for a test ride and experience it for yourself. There's no cost or obligation.

Run the tutorial problem included in the comprehensive user manual, and you'll be up to speed in no time. Then run your own problems and see just how quickly and easily switching to *ETPier* can be.

To order your free demo, visit ErikTech.com or LRFD.com, or call toll-free 1-866-374-5776 (866-ERIKSSON)