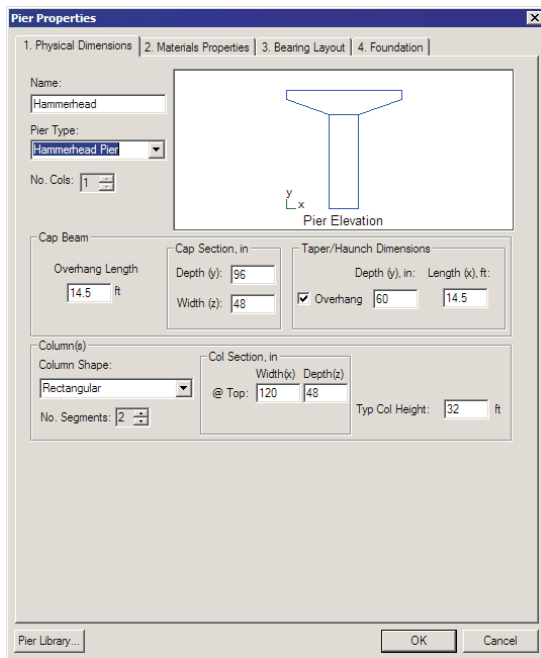


ETPier is a high-performance Windows-based program for the design and analysis of highway bridge piers, bents, and abutments. ET Pier seamlessly combines the functionality of a state-of-the-art structural analysis engine with concrete column, beam, and footing design capabilities. Integration of the 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 ET Pier 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!

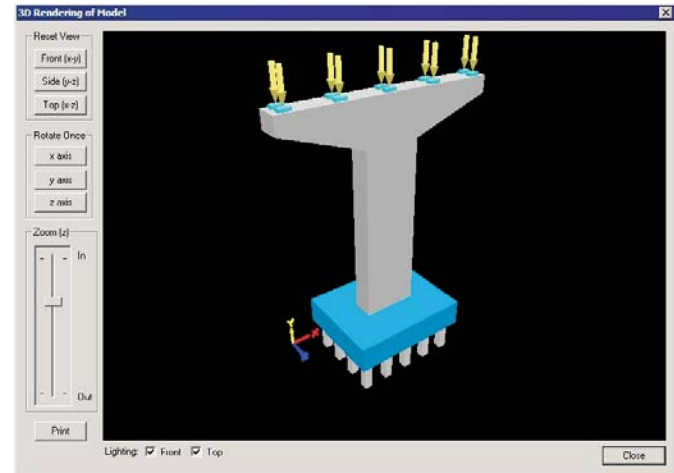


◀ Powerful Modeling Wizards Cut Prep Time

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. Project geometry is easier to see and interpret. All loads can be rendered in 3D to virtually eliminate errors.



Key Features

- Piers, bents, and abutments
- AASHTO LRFD or Std Specs
- Dual units: US & SI
- Hammerhead, multi-column, walls
- Spread or pile footings
- AASHTO load types & groups
- Automatic load generation
- 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	0.000	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 98/2000/XP/Vista
- Network/WAN compatible
- No copy protection
- Highly graphical interface

Design Specifications

- AASHTO LRFD (thru 2009)
- AASHTO Standard Specs
- Hot switch between specs

Substructure Types

- Hammerhead piers
- Multi-column piers
- Wall piers

Structural Modeling

- True 3D modelling
- Framework generation wizard
- Bearing seat layout wizard

Cap Beam Types

- Prismatic
- Tapered overhangs
- Superelevated

Column Types

- Circular
- Rectangular
- Tapered in both directions

Substructure Types

- Spread footings
- Pile footings
- Drilled shafts

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

- Auto LL generation
- 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
- Auto or manual update
- Moment magnification

All Critical Design Checks

- Service check
- Flexural strength
- Shear strength
- Torsion
- Crack control

Dual Units

- US Customary
- SI (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. See what high-performance structural analysis and design is all about..

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)