

System Features

- MS Windows NT/2000/XP
- Network/WAN compatible
- No copy protection

Design Specifications

- AASHTO LRFD 4th ed. thru 2008
- AASHTO Standard Specs
- Hot switch between specs

Simple-Span or Continuous

- Simple-span girders
- Multi-span continuous structures
- Single or multiple segments
- Auto positive restraining moments
- Full length beam design

Geometry

- Overall, release, & design spans
- Skew angle
- Interior & exterior cases
- Composite or non-composite

Superstructure Types

- I-Girders, bulb tees
- Box beams
- Slabs (solid & hollow-core)
- Dts and channels
- User-definable sections

Section Properties

- Auto property generator
- Option to transform strands
- Slab & haunch regions
- Supplemental overlay

System Libraries for:

- Girder sections
- Prestressing strands
- Live load vehicles

Prestressing

- Pretensioning
- Post-tensioning
- Combination

Prestressing Steel

- All popular strand types
- Low-relaxation & stress-relieved
- Computed or specified losses

Include Rebar in Design

- Rebar library
- Top tension rebar at release
- Supplement flexural capacity
- Bottom tension tie (shear)

Debonding

- End debonding
- Interior (midspan) debonding
- All effects accounted for in analysis
- Debond straight and draped patterns

Top Tension Steel at Release

- Auto sensing of requirements
- Required area of rebar at 100th pts.

Load Table Generation

- Span vs. Strands required
- Up to 4 beam spacings
- Same format as PCI BDM
- Full calculation details

Auto Design Capabilities

- Straight patterns
- Draped patterns
- Debonding (straight and draped)

Dead Load

- Auto calculation of beam & deck wt.
- Diaphragms - easy entry
- Barriers & FWS
- Other uniform loads

Live Load

- Ultra-fast moving load algorithm
- HL-93, HS25, HS20, H20, etc.
- Design or permit vehicles
- Multiple trucks
- User-defined trucks
- Pedestrian loading

Live Load Distribution Factors

- Program-computed or manual entry
- All cases by both specifications
- Interior & exterior cases
- Widely-spaced beams

All Critical Design Checks

- Stresses at release and final
- Flexural strength
- Shear - vertical and horizontal
- Girder reactions and end rotations
- Camber and deflections
- Bursting steel

Dual Units

- US Customary
- Metric
- Hot-switch between systems

Output Options

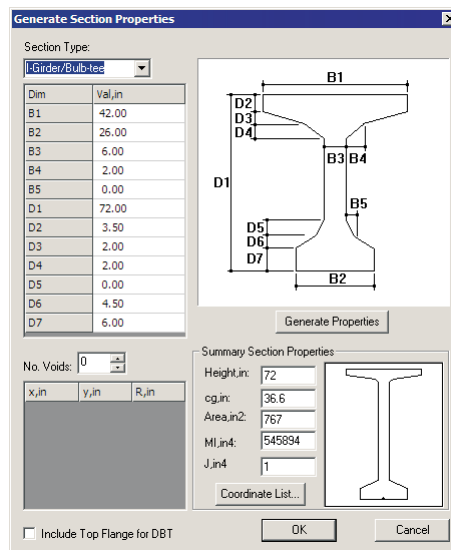
- Highly-graphical output
- Design reports: detailed & brief (2 pp.)
- At-a-glance status bar
- Export results to other programs

Program Documentation

- Comprehensive user manual
- Step-by-step tutorial problems
- In-depth theory section
- QC Manual - 200+ pg. document
- Nine benchmark problems

Integrated Design

- Integration ready
- 3D data representation
- Compatible with ET-Pier, ParaBridge



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