

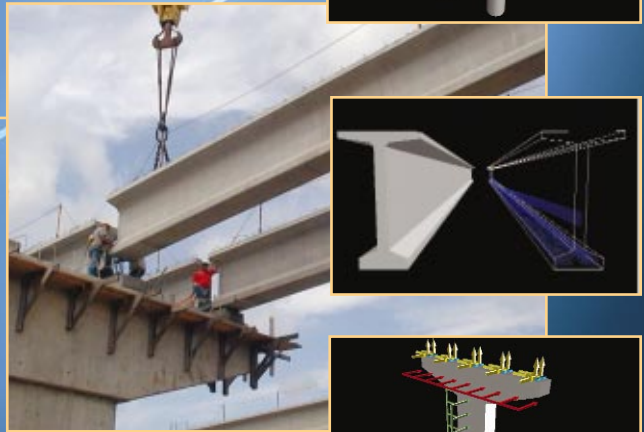
A Passion for Engineering

Eriksson Technologies was founded in 1998 with a singular objective: the passionate pursuit of technical excellence. This philosophy is evident in every aspect of our company, from our highly acclaimed technical support down to the smallest technical details of our software. It's what has made us the preferred provider of engineering software to many DOTs, consulting engineers, precast fabricators, and universities nationwide.

Software

First and foremost, Eriksson Technologies is a software company. We design and develop engineering application software to meet the needs of professional bridge engineers.

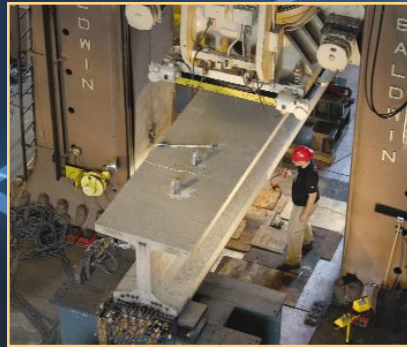
Our first product, PSBeam™, set a new standard for performance and technical excellence. Now, we've raised the bar again. Developed in the .NET Framework, ParaBridge™ will change the way you design bridges. Integrated, 3D design will become the new engineering paradigm.



Research

Eriksson understands bridge engineering. We stay abreast of proposed specifications changes and new design methodologies through our active involvement in industry committees and our participation in cutting-edge research.

Our typical role on a research team is to serve as the vital link between pure research and engineering practice, which gives us special insight into the behavior of bridges. Better understanding of the underlying theory gives us a strategic edge in developing better modeling tools.



Training

Through our technical seminars, we have trained hundreds of practicing engineers to successfully make the transition to LRFD and helped them stay current with yearly changes in the specifications.

In addition to our own highly qualified staff, we tap industry experts to create and deliver a training experience that is second to none.

Theory and application are combined to provide a highly effective vehicle for transferring technology to our most important asset: our clients.

DF Moment, Interior Girder
For Beam-Slab Bridge (type k), Two or More Design Lanes:

$$M_{DF} = 0.075 \left(\frac{S}{8.6} \right)^{0.8} \left(\frac{S}{L} \right)^{0.2} \left(\frac{K_y}{12.0L^2} \right)^{0.1}$$

where:
S = Beam spacing (ft)
L = Beam length (ft)
L_s = Slab thickness (in)
K_y = Longitudinal stiffness parameter



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