






2009 BRIDGE RESOURCE GUIDE

a definitive listing of major bridge professionals and suppliers

Software Developer/Vendor

Company	Product	Description
ADAPT Corporation Phone: 650-306-2400 Email: info@adaptsoft.com Web: www.adaptsoft.com 	ADAPT-ABI 2009	Designs and analyzes prestressed concrete bridges built either segmentally or conventionally: balanced cantilever (cast-in-place or precast), incrementally launched, span-by-span, cable-stayed, precast-prestressed girders with field splicing and topping slab, box girder bridges and more. Provides information for geometry and stress control during construction, as well as design values for service load.
Autodesk Phone: 781-839-5300 Email: Structure.Team@Autodesk.com Web: www.autodesk.com/structure	Structural Product Line	Revit® Structure software offers Building Information Modeling delivering more efficient and accurate design and documentation. Improve multidiscipline coordination, and incorporate analysis through bidirectional linking to popular structural analysis software, including Autodesk Robot Structural Analysis Professional. Powerful parametric change management technology coordinates modifications and updates across the model and documentation.
Bentley Systems, Incorporated Phone: 610-458-5000 Email: structural@bentley.com Web: www.bentley.com	STAAD.beava	Bentley's bridge offering allows models to be created using Bentley Structural, which generates general arrangement and detail drawings. Model is transferred to STAAD.Pro for analysis and design. Enhanced with STAAD.beava, critical vehicle loading patterns are established. Resulting forces can then be checked for compliance to one of numerous available codes.
Computers & Structures, Inc Phone: 510-649-2200 Email: info@csiberkeley.com Web: www.csiberkeley.com 	SAP2000	SAP2000 has been synonymous with state-of-the-art analytical methods since its introduction over 30 years ago. Powered by an unmatched analysis engine and sophisticated, intuitive and versatile 3D object-based graphical user interface, SAP2000 is the tool of choice for bridge engineers in more than 160 countries around the world.
Dimensional Solutions Phone: 832-295-8704 Email: dionne@dimsohn.com Web: www.dimsohn.com	DSAnchor	DSAnchor™ completes anchor design in accordance with Appendix D, ACI 318 in seconds, providing individual and group anchor capacities for various tensile and shear failure modes.
GT STRUDL Phone: 404-894-2260 Email: joan.incrocci@ce.gatech.edu Web: www.gtstrudl.gatech.edu 	GT STRUDL	GTSTRUDL's Comprehensive Linear/Nonlinear, Static/Dynamic analysis features for Frame and Finite element structures includes moving load generation, response spectrum, transient, and pushover analyses. Models plastic hinges, discrete dampers, tension/compression only members and nonlinear connections. Graphical modeling/result display capabilities. Specialized functions for the analysis and design of cable stayed and suspension bridges.
LUSAS Phone: 212-295-2197 Email: info@lusas.com Web: www.lusas.com	LUSAS Bridge	LUSAS Bridge - finite element software for the analysis, design and load rating of all types of bridge structures. Used on major structures worldwide, LUSAS Bridge solves all types of linear and nonlinear stress, dynamics, composite, fatigue, buckling, thermal or soil structure interaction analysis problems.
MDX Software Phone: 573-446-3221 Email: info@mdxsoftware.com Web: www.mdxsoftware.com	Curved and Straight Steel Bridge Design and Rating	Software for designing and rating curved and straight steel bridge girders for compliance with AASHTO ASD, LFD, and LRFD specifications.
MIDASoft Inc (TNO DIANA) Phone: 800-584-5541 Email: swshim@midasuser.com Web: http://eng.midasuser.com 	midas Civil (Bridges)	3-D analysis & design for Curved/Straight girder, Composite, Segmental Post-tensioning, Suspension, Cable-Stayed, Skewed Slab, Frame, Arch and Culvert bridges with live load optimizers.
	midas Gen (Building and General structures)	Static, Dynamic, Pushover, Inelastic Time History, Material/Geometry Nonlinear, Masonry structures, Cables, Pre/Post-tensioning, Time dependant material models, Column shortening, Construction stage and Heat of Hydration analyses.
	midas FEA (Detail FE Analysis)	Ultimate finite element analysis suite with built-in CAD geometry modeller and Auto-mesh generators. Linear, Nonlinear Material/Geometry/Interface, Nonlinear Concrete Crack, Reinforcement and Tendon in shell/solid elements, Fatigue, Linear Dynamic, Contact, Construction stage, Buckling, and CFD analyses.
Opti-Mate, Inc. Phone: 610-530-9031 Email: optimate@enter.net Web: www.opti-mate.com	Bridge Engineering Software	Software for analysis and rating of transportation structures. AASHTO code checks using the WSD, LFD and LRFD specifications. Titles: MERLIN DASH for steel, reinforced or prestressed concrete girders; DESCUS I for curved I-girders; DESCUS II for curved box girders; SABRE for sign structures and TRAP for truss bridges.
POSTEN Engineering Systems Phone: 510-506-8284 Email: sales@postensoft.com Web: www.postensoft.com	POSTEN Multistory V8	POSTEN Multistory V8 provides the quickest & most efficient way to design Post-tensioned Concrete Structures with Power & Comprehensive Capabilities unmatched in the industry. No guessing, No fiddling, No time wasting, just a direct and fast approach to the efficient design solution, especially suited for LEAD projects.
RISA Technologies Phone: 949-951-5815 Email: info@risatech.com Web: www.risa.com 	RISA-3D	RISA-3D designs and optimizes steel, concrete, wood and light gauge steel with a fast, intuitive interface. State of the art solution algorithms, customizable reporting options and robust integration with other products such as RISAFloor, RISAFoundation and Revit Structure make RISA-3D the premier choice for general purpose structural analysis and design.

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Company	Product	Description
Autodesk		See information in Software Listing.
Cintec America Inc. Phone: 800-363-6066 Email: solutions@cintec.com Web: www.cintec.com	Archtec	Masonry Arch Bridge Strengthening.
Composite Advantage Phone: 937-723-9031 Email: sreeve@compositeadvantage.com Web: www.compositeadvantage.com	FRP Bridges and Decks	Composite Advantage is a leader in manufacturing prefabricated Fiber Reinforced Polymer (FRP) vehicle and pedestrian bridges and decks and its newest product, the drop-in-place bridge. Up to 52 feet long, these products install quickly, resist corrosion, eliminate the need for heavy equipment and have a life span of 100 years.
CONTECH Construction Products Inc. Phone: 800-526-3999 Email: cunningham@contech-cpi.com Web: www.contech-cpi.com	Bridges	CONTECH's plate, precast, and truss bridges provide vehicular and pedestrian structures with spans of over 250 feet. Brands include CONTECH Structural Plate, CON/SPAN®, BEBO®, Steadfast and Continental® bridges. The quality of every CONTECH bridge is matched by cost and time-savings through our modular, prefabricated-designs, rapid-installation, and extensive technical support.
Decon USA Inc. Phone: 866-332-6687 Email: sales@decon.ca Web: www.deconusa.com	Macalloy Tension Rod System	Decon offers the full Macalloy tension rod and cable product line. The strength and aesthetic qualities of Macalloy® products are evident. Available in carbon steel and stainless steel. Used worldwide in traffic and pedestrian bridges.
EnWood Structures Phone: 919-467-6155 Email: info@enwood.com Web: www.enwood.com	Laminated wood bridges	Laminated wood bridges for pedestrian, golf, light vehicular, and full vehicular use. Design, engineering and manufacturing glulam bridges for over 60 years. AITC certified. Highly experienced staff to assist with technical questions.
PTC Electronics, Inc. Phone: 201-847-0500 Email: sales@ptcelectronics.com Web: www.ptcelectronics.com	EPSImetal Strain Sensor	Programmable STRAIN SENSOR which can be bonded to any structure by means of replaceable "feet", EPSImetal can be re-used.
ReCon Wall Systems, Inc. Phone: 952-922-0027 Email: sales@reconwalls.com Web: www.reconwalls.com	ReCon Retaining Walls	ReCon offers a large precast concrete retaining wall block system with natural stone texture. The system is fully engineered and tested. Gravity wall heights to 17 feet 4 inches and taller walls can be built with reinforcement. Numerous texture choices available. Choose ReCon for the aesthetics you want and the performance you need.
STRUCTUREPOINT Phone: 847-966-4357 Email: info@structurepoint.org Web: www.StructurePoint.org	Concrete Software Solutions	Tools for analysis and design of reinforced concrete bridges and structures: pcaColumn, pcaMats, pcaSlab, pcaBeam & pcaWall.
Valmont Industries Phone: 402-963-1000 Web: www.valmont.com	HSS SuperStruct	Large, custom made structural steel tubes. From 12- to 48-inch squares and rectangles. Up to 55 foot long and 1-inch wall thickness.
Williams Form Engineering Corp. Phone: 616-866-0815 Email: williams@williamsform.com Web: www.williamsform.com	150 KSI All-Thread-Bar	Williams offers 150 KSI All-Thread-Bar in 1- to 3-inch diameters for all types of post-tensioning applications.
Autodesk		See information in Software Listing.
C3 Overlays Phone: 608-524-1397 Email: pete@c3overlays.com Web: www.c3overlays.com	C ³ -SI and SafeLane™	Certified Installers of Cargill, SafeLane™; patented anti-icing and anti-skid overlay helps prevent frost and ice formation before it begins. Installations on roads and bridges in multiple states have resulted in major accident reductions. The only anti-icing product; also greatly reduces maintenance budgets. C ³ Overlays is a Certified Woman Owned Business.
Cintec America Inc.		See information in Suppliers Listing above.
CONTECH Construction Products Inc.		See information in Suppliers Listing above.
FIGG (Figg Engineering Group) Phone: 850-224-7400 Web: www.figgbridge.com	Design and Construction	Exclusively specializing in Bridge Design and Construction Engineering and Inspection.
Finley Engineering Group Phone: 417-682-5531 Web: www.fecinc.com	Engineering and Consulting	Provides specialized design, engineer, and construction consulting services on complex bridge projects.
KPFF Consulting Engineers Phone: 206-926-0548 Email: davidm@kpff.com Web: www.kpff.com	Engineering and Consulting	All types of bridges and waterfront structures.
VSL Phone: 410-850-7000 Email: info@structural.net Web: www.vsl.net	Post-Tensioning Systems and Services	The recognized leader and pioneer in post-tensioning and related engineering, VSL's systems have been used throughout the world since 1956. VSL designs, manufactures, and installs technically proven, high quality post-tensioning systems and components and provides specialized construction systems to build, repair, and strengthen bridges throughout the United States.
York Bridge Concepts Phone: 800-226-4178 Web: www.ybc.com	Bridges	Timber vehicular bridges (AASHTO HS20-44 and LRFD loadings), boardwalks, heavy maintenance bridges, pedestrian bridges.

Suppliers

Top Firms (Design & Construction)