

PRODUCT CAPABILITIES		LEAP GEOMATH	LEAP CONSPAN	LEAP CONBOX	LEAP RC-PIER	LEAP CONSPLICE	LEAP Bridge Concrete
Design specifications and units compliance	US AASHTO LRFD and LFD codes	✓	✓	✓	✓	✓	✓
	US AASHTO LFR and LRFR codes		✓	✓			✓
	Canadian CHBDC code						✓
	Indian WSD and LSD codes						✓
	U.S. customary units	✓	✓	✓	✓	✓	✓
	Metric (SI) units	✓	✓	✓	✓	✓	✓
	Automated bridge creation (ABC wizard)						✓
Rapid bridge modeling	Comprehensive 3D bridge models						✓
	Full bridge material quantities and costs						✓
	2D views, with dimensions	✓	✓	✓	✓	✓	✓
	Solid and transparent views of reinforcement						✓
	Multi-bridge capabilities						✓
	Roadway information and ground data import						✓
	Construction animation						✓
Supported bridge types	Precast, prestressed girders		✓				✓
	CIP and PT/RC box girders, T-beams, slabs			✓			✓
	CIP and PT I-beams for India market						✓
	Abutments, Piers				✓		✓
	Various footings and drilled shafts				✓		✓
	Sloped abutment, sloped footing, and well foundation for India market						✓
	Spliced girders at multiple construction stages					✓	✓
Integral abutment bridges						✓	
Analysis and design	Integrated workflow backed up by unified database						✓
	Multimode response spectrum analysis for seismic design						✓
	Single girder or whole-width analysis		✓	✓		✓	✓
	Prestress loss calculation by code equations		✓	✓		✓	✓
	Thermal load analysis		✓	✓			✓
	Prestress loss calculation by time-dependent		✓	✓		✓	✓
	Live load distribution factors		✓	✓		✓	✓
	Live loading and load combinations		✓	✓	✓	✓	✓
	P-delta analysis				✓		✓
	Strut-and-tie modeling				✓		✓
Grillage analysis for India market						✓	
Project deliverables	Reports on full bridge						✓
	Reports on bridge components	✓	✓	✓	✓	✓	✓
	Detailed design reports with intermediate results and references in design codes						✓
	Deck elevations report						✓
	Beam seat elevations report						✓
	DGN and DWG drawings						✓
	Plan and elevation drawings						✓
Interoperability	CONNECT features, such as Advisor and Updater						✓
	ProjectWise connection services (Project Performance Dashboards, Issues Resolution, and Scenario Services)						✓
	Direct data exchange with MicroStation, OpenRoads, OpenBridge Modeler, and more						✓
	File formats: DGN, DXF, XML, and LandXML						✓
	AASHTO BRIDGEWare database		✓				✓