



**WE GET YOU MOVING
TO YOUR NEXT JOB FASTER!**

...SO YOU CAN EARN MORE REVENUE AND PROFITS.



FOLDED STEEL PLATE[™] GIRDER

FASTER & COMPETITIVELY PRICED.

FSPG[™] is a revolutionary technology that can change how short-span bridges are constructed in the U.S. and around the world. **FSPG[™]** provides a comparable initial cost to cast-in-place bridge construction while reducing construction time in half.

TECHNOLOGY AT WORK FOR YOU...

The Folded Steel Plate Girder System, or **FSPG™**, was created for Accelerated Bridge Construction. The system is simple and economical to build, can be constructed with fewer field personnel and opened to traffic quicker. When every day and every dollar counts, **FSPG™** is the best solution.

FASTER CONSTRUCTION

Our superstructure can be erected in as little as 3 hours with deck closure pours completed in a day. The result is that a bridge project using the folded steel plate girder system can be completed in 30 days or less.

FEWER COMPONENTS

Our innovative design includes lifting tabs to facilitate erection and threaded form inserts to expedite closure pours.

LOWER FIELD LABOR

The **FSPG™** is manufactured off-site and delivered to the construction site ready for erection. Deck construction and curing is done in a precast plant.

REDUCED LEAD TIMES

Through advanced procurement of steel, CDR Bridge Systems can produce the **FSPG™** in as little as 4-6 weeks from approved shop drawings, including steel fabrication, galvanizing and installation of precast deck.

CONTRACTOR BENEFITS OF FSPG™



**ERECTION
TIME**



**REDUCTION IN
CONSTRUCTION SCHEDULE**



**LESS FIELD
LABOR**

MANUFACTURED IN AS LITTLE AS 4-6 WEEKS.

WHAT IS THE FOLDED STEEL PLATE GIRDER?

FSPG™ bridges utilize cold bent steel plates to form an innovative girder shape that provides strength with lighter weight. Concrete deck panels are precast and attached to the girders to form composite units that can be shipped and erected easily and quickly. Concrete closure pours connect the deck panels to complete the superstructure system.

Named one of the three most innovative concepts in 2009 by Modern Steel Construction Magazine, its lightweight design reduces the need for heavy equipment and expedites on-site construction. This reduces the impact on traffic from weeks or months to days.

FSPG™ has been approved by DOT's in MA, PA, OH, IN, NE and CO.



Erected in 3 hours in PA under the DOT's Rapid Bridge Replacement Project.

The entire bridge was constructed in 30 days!

ABOUT CDR BRIDGE SYSTEMS, LLC.



CDR|MAGUIRE

CDR Bridge Systems, LLC is a wholly-owned subsidiary of CDR Enterprises, Inc. and sister company of CDR Maguire Inc. and East Atlantic Casualty Corp., CDR Management, CDR Development and Maguire Group Architects, Engineers and Planners. The group manages over \$1.5 billion in construction and has over 150 employees. You can count on our engineering experience to deliver.

**INCREASE PROFIT.
WE HAVE A WAY TO GET YOU THERE.**



**GET A QUOTE
FOR YOUR NEXT BID.**

Visit: www.cdrbridges.com/contact-us



CONTACT INFO

Thomas Stockhausen, President

📍 178 Thorn Hill Rd, Suite 200, Warrandale, PA 15086

📞 412.559.4025

☎ 412.322.8340

✉ Thomas.stockhausen@cdrmaguire.com

🌐 www.cdrbridges.com