SUPER PLATE GIRDER®

IDENTIFYING THE NEED AND EFCO MOVING TO FILL IT

Road bridges are getting longer, wider, and heavier. This construction is being supported with stronger available concrete and stronger reinforcing steel, all weighing more. EFCO’s new product, SUPER PLATE GIRDER®, now available has twice the strength of EFCO’s very successful original PLATE GIRDER.

SUPER PLATE GIRDER®’s INCREDIBLE SELF-SPANNING characteristics eliminate shoring to the ground and foundations for shoring!

IDENTIFYING THE NEED AND EFCO MOVING TO FILL IT

While EFCO’s standard PLATE GIRDER™ forming system has a standard proven “100%” self-spanning capacity, EFCO’s new SUPER PLATE GIRDER has a “200%” self-spanning capacity.

EFCO’s closest competitor in the self-spanning formwork business boasts of a 130% capacity increase in its new panel system. EFCO’s SUPER PLATE GIRDER has taken it to an entirely new level and gone to a 200% increase.

THE RESULTS, A COMPARISON: 100%, 130%, 200%.

THE NUTS AND BOLTS OF IT

EFCO is backed up with quality, superior engineering, manufacturing, and field service. Add to this EFCO’s proven knowledge and experience, and EFCO is the system of choice. EFCO’s SUPER PLATE GIRDER™ tension and compression connection uses 4 – 1 ¼” A325 bolts and nuts. This compares to EFCO’s competitor brand “X” bolt and nut form connectors. Competitor brand “X” requires A490 bolts and nuts, while technically stronger than the A325, the A490 bolts and nuts are sensitive to fatigue. Tightening and releasing A490 bolts and then re-using them is not allowed. To quote the Specification for Structural Joints Using High Strength Bolts from the American Institute of Steel Construction (AISC) “Reuse: ASTM A490 bolts, ASTM F1852… shall not be reused.” The comparison to the A325 speaks for itself.

ADDITIONAL EFCO PLATE GIRDER PANEL USES

The EFCO PLATE GIRDER™ forms used in self-spanning applications here another very important application, as they are excellent for columns in most applications without ties and deliver architectural concrete.

Let’s carry this further

When you compare the EFCO PLATE GIRDER™ wall forms to brand “Y,” EFCO has another very important feature. Brand “Y” wall forms and form joints, and there are several brand “Ys” to compare to, leave very unsightly three-line impressions in the cast concrete, far from architectural concrete.

EFCO’s high-strength alloy steel face plates PLATE GIRDERS leave only a single almost unnoticeable single-form joint line (see page 62 of this FORM MARKS publication for more pictures and details).

EFCO’s single-line joint impression – architectural finish.

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EFCO’S SINGLE-LINE JOINT IMPRESSION – ARCHITECTURAL FINISH.

IDEAL FOR COLUMNS THAT ARE TALLER, WIDER AND DEEPER

Ideal for columns that are taller, wider, and deeper.

NEW FROM EFCO ...

SUPER PLATE GIRDER™

IDEAL FOR BRIDGE CAPS THAT ARE WIDER, DEEPER AND SPAN LONGER

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That is not all, the EFCO PLATE GIRDER™ is an excellent wall form that does not normally require waterers and/or aligners.

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