

# SHOWCASING SUPER SERVICE IN SOUTHERN LIMA

Lima, Peru

1 Minute Read Time

## TRIUMPHS & CHALLENGES FOR LURÍN BRIDGE RECONSTRUCTION

The Lurín Bridge accommodates over 30,000 vehicles daily, connecting the city center to the beach towns in southern Lima. **3F Constructora E.I.R.L.** was awarded the contract for reconstructing the bridge to facilitate the increased traffic flow. The initial design used precast beams, but due to an unforeseen issue on site, the original beams were not able to be used. With only 25 days remaining before traffic resumed on the bridge, a new design was developed.

## EFCO PROVIDES QUICK SOLUTION

3F Constructora partnered with EFCO, using the lightweight **E-Z DECK®** system and **SUPER STUD®** towers to support and stabilize the jobsite-built beam formwork. The work platform had to accommodate varying grade changes ranging from 1500 mm to 4780 mm (5' to 15'-8 1/4") and span over the Rio Lurín. With a secure work platform, 3F Constructora was able to secure the beams to prevent any overturning while installing the slab formwork. ▶

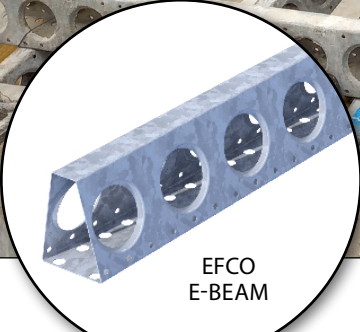
“ We contacted EFCO to provide us with formwork and shoring alternatives for the Lurín Bridge project. EFCO recommended the E-Z DECK shoring system. With their advice on solutions and in the field, we were able to overcome impasses that occurred during construction and deliver the work according to the deadlines committed to our client. ”

**Oscar Navarro**  
 Job Engineer



EFCO's aluminum E-Z SHORE® has a capacity from 16 to 28 kips (71 kN to 124.5 kN) per leg with a 2.5:1 safety factor.





EFCO  
E-BEAM

*Galvanized steel E-BEAM® joists bolt to Z-BEAM® stringers and are excellent structural members to fasten plywood to for slab and deck forming.*

**BRIDGE SLAB SUPPORT ENSURES STABILITY**

Z-BEAMS®, E-BEAMS®, and Strong Arm Hangers were used to support the concrete slab efficiently. Utilizing the strength of E-BEAMS, EFCO engineers were able to design the support of the 200 mm (8") thick slab with E-BEAMS at 500 mm (20") centers, reducing material and labor. Hanging Z-BEAM and E-BEAM work decks allowed for the cast-in-place diaphragms to be placed with the bridge deck formwork.

**WHY 3F CONSTRUCTORA CHOSE EFCO**

**SWIFT SOLUTIONS, SUPER SERVICE & COLLABORATIVE SUCCESS**

The quick delivery of the E-Z DECK® system, along with supporting components such as SUPER STUD, Z-BEAMS, E-BEAMS, and Strong Arm Hangers, played a crucial role in successfully meeting the deadline while upholding safety and efficiency standards. The seamless and efficient collaboration between EFCO's engineering and service teams prevented costly delays for the contractor and the project owner. EFCO demonstrated its commitment to Quality products and Super Service, embodying our core values and providing the lowest in-place concrete cost.

**EFCO EQUIPMENT**

E-Z DECK, SUPER STUD, E-BEAMS, Z-BEAMS

**3F CONSTRUCTORA TEAM**

Juan Aiquipa ..... Resident Engineer  
Oscar Navarro Palacios ..... Job Engineer

**EFCO FORMWORK SPECIALISTS-PERU**

Rodolfo Quesquén ..... Territory Manager  
Christian Arteaga ..... Field Supervisor  
Daniel Fernandez ..... District Engineer

**CONTACT OUR PERU OFFICE TODAY**

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**EFCO ONLINE**

**Fast | Easy | Secure**

Efficiently manage your project from start to finish



**WHY TRUST ANYONE ELSE?**

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