

Pfeiffer Canyon Bridge Replacement

310 ft Plate Girder Bridge launched over Canyon



Structural analysis and verification of plate girder bridge, shoring towers and launching works.

- Created 3D model of entire launch setup
- Performed step-by-step launch analysis
- Bridge checked to AASHTO LRFD 2016
- Abutments checked for stability during launching
- Verified tie-back systems and launch deflections
- Analyzed 36 in. and 60 in. anchor piles
- 314 ft long plate girders, 13 ft deep with 1.25 in. webs
- Launched uphill with 7% grade

Project - Pfeiffer Canyon Bridge Replacement
Location - Big Sur, California
Year - 2017
Type - Bridge Launch
Owner - Caltrans
GC - Golden State Bridge Inc.
Client - Golden State Bridge Inc.