Oldcastle Infrastructure™
A CRH COMPANY

Transportation Market - Precast Girders

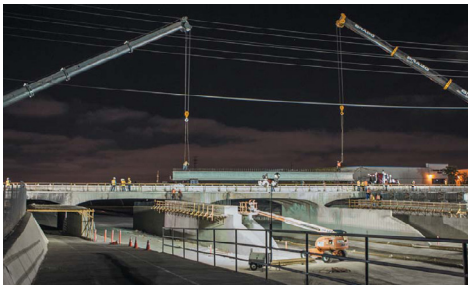
FIRESTONE BOULEVARD BRIDGE

Over San Gabriel River Replacement Project

Norwalk, California

The Firestone Blvd. Bridge Replacement Project involves the replacement of the existing, structurally deficient Firestone Boulevard Bridge at the San Gabriel River in its entirety with a new bridge to meet current standards with wider sidewalks, center median, and shoulders. The same number of travel lanes (six) will be provided on the new 239 foot bridge. The new bridge will improve existing approach widths, thus eliminating bottlenecks and improve efficiency while accommodating future vehicle capacities in both directions.

The bridge replacement project is being constructed in three stages. Stage One will remove the existing north half of the bridge and construct a new north half.



Stage Two will remove the existing south half of the bridge and construct a new south half. Stage Three will include the closure pour (where concrete is poured to seal the two halves of the bridge together) and completion of the center median.

PRECAST SOLUTION

The general contractor for the project, Reyes Construction Inc., contracted

HIGHLIGHTS

Project
Reyes Construction Inc.
Pomona, California

Prime Consultant and Structural Engineer
Biggs Cardosa Associates (BCA)

Owner
The City of Norwalk, California

Precaster
Oldcastle Infrastructure

Manufacturing Facility
Oldcastle Infrastructure
Perris, California

Firestone Boulevard Bridge Over San Gabriel River Replacement Project
Norwalk, California

Oldcastle Infrastructure - Perris, California to produce a total of thirty-nine prestressed concrete, 4 foot high, wide fange bridge girders, ranging in length from 71 feet to 95 feet, for the new $9.5 million bridge replace project.
The wide fange bridge girders, similar to an I-beam, support the bridge decking.

For the first stage, the new north half of the bridge, Oldcastle Infrastructure provided a total of twenty-one wide fange girders, fourteen girders at 71 length, weighing approximately 35 tons (70,000 lbs) and seven girders at 95 feet in length, weighing approximately 47 tons (94,000 lbs), were erected in three days, August 4th, 5th, and 6th of 2014.

During the second stage, the new south half of the bridge, Oldcastle Infrastructure will provide a total of eighteen wide fange girders, twelve girders at 71 feet in length and six girders at 95 feet in length. Since the second phase is not scheduled until late October 2014, Oldcastle Precast girders at their facility.

When complete, Oldcastle Infrastructure - Perris will have supplied and erected a total of thirty-nine wide fange girders. The girders have a form finish on the sides and soffit and the ends are square. The girders were manufactured per PCI Tolerance Manual MNL-116, Concrete fci: 4600 psi and fc: 6000 psi were factored in.

PROJECT COMPLETION
2015

PROJECT DETAILS

Total Project Cost:	$9.5 million for Firestone Bridge Replacement
Funding:	Federal Highway Bridge Program (HBP) and state Regional Surface Transportation Improvements funds
Oldcastle Infrastructure Product:	Furnish PC/PS Concrete Girder (70 ft- 80 ft)
	Stage 1: Qty 14 and Stage 2: Qty 12
	Furnish PC/PS Concrete Girder (90 ft- 100 ft)
	Stage 1: Qty 7 and Stage 2: Qty 6
	Bearing pads: 2 EA per Girder
Erection:	Erect 39 Precast Prestressed Girders
Special:	“Buy America” Applies

About Oldcastle Infrastructure

Oldcastle Infrastructure, A CRH Company, is the leading provider of building materials, products and services for infrastructure projects to several market sectors nationwide, including: Building Structures, Communications, Energy, Transportation and Water.

For More Information Contact:

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