

**FOR IMMEDIATE RELEASE:
MARCH 2017**

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Precast Concrete Highway Slabs Expedite Largest Project of this Type in North America on I-210 in California

PASADENA, Calif. (MARCH 2017) – Precast concrete highway pavement slabs are increasing in popularity for use in rapid highway construction. This is, in part, the result of many state departments of transportation recognizing the efficiency of the precast slab method and selecting it for use on an increasing number of state projects.

The California Department of Transportation (Caltrans) has specified precast concrete pavement slabs for one of the largest projects of this type in North America, the Pavement and Slab Replacement Project on the Foothill Freeway (I-210). This transportation project, approximately 12 miles north of Los Angeles, begins at the Dunsmore Avenue undercrossing in La Crescenta-Montrose and extends to the North Los Robles Avenue overcrossing in Pasadena.



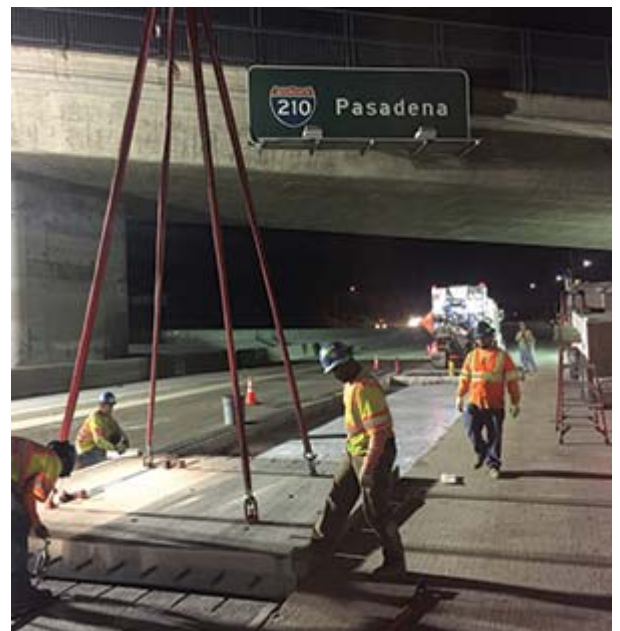
Flatiron West of Chino Hills, California, has appointed Oldcastle Precast of Fontana, California to supply several thousand precast highway pavement slabs for this \$148 million project.

As a national precaster who has embraced this technology, Oldcastle Precast, a leading provider of engineered building product solutions for North American infrastructure projects, received the contract to manufacture 6,500 precast concrete pavement slabs. Each slab measures 12.5-foot -wide by 11.33-foot-long by 12-inch-thick, for the 9.7-mile segment of I-210, and will be

used to replace sections, that have undergone erosion and deterioration due to years of exposure to heavy traffic.

Site installation of the pavement slabs is occurring as an overnight process. The highway is closed at approximately 9:00 pm, the deteriorated sections are cut out, and a lean concrete base is placed into the opening. After the concrete base achieves the required strength, approximately 1 hour later, the precast concrete pavement slabs are installed and the highway is reopened for full traffic by 5:00 am the next morning. This method reduces impact to the public, especially to commuters.

Regional General Manager- Southern Calif. Todd Ebbert remarked, “Our team took an innovative approach to this project, drawing on our many years of experience, which resulted in a successful



outcome for all. This product offers a solid solution to improving our highways while creating little impact to the public.”

As has been seen over the years where precast pavement slabs are used to repair damaged highway lanes or upgrade older lanes, Precast Concrete Pavement Systems (PCPS) promote construction methods that reduce traffic congestion, reduce project duration, increase safety, and produce durable repairs. Not only do the highway slabs install quickly, minimizing closures and exposure of crews to live traffic, they can be installed in any weather and last a long time, an estimated 50 years, according to Caltrans.

This project started in April of 2015 and will continue through mid-2018. The work will include both day and night operations. When completed these highway improvements will enhance safety and meet current Caltrans standards.

Length of freeway segment: 9.7 miles

Total amount of concrete: 200,000 cubic yards of precast and cast in place.

Avg. number of slabs set per week: 280

Avg. distance of slabs set per night: 630 Linear-Feet

Manufacturing time: April 2016 through March 2017

Avg. slabs cast per day:30

About Oldcastle Precast: Oldcastle Precast is the clear choice for building products and services for North American infrastructure projects. We are a leading provider of engineered product solutions nationwide to a number of market sectors including: Water, Communications, Energy, and Transportation.

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