

PRECAST CONCRETE PAVEMENT SLABS



NEED IT FAST? COUNT ON PRECAST.

Precast concrete pavement slabs can be used on highways, intersections, exit ramps and airport pavement replacement for long-lasting, speedy surface repair or new construction.

Using a fully cured concrete system to repair or extend a roadway results in greatly accelerated construction scheduling and sequencing, reducing work zone timeframes and risk exposure to road workers and the traveling public – all without jeopardizing the surface quality, durability and long-term performance of the roadway.

Get more details and see a gallery of precast concrete solutions at www.precast.org.

precast
makes it possible™



PRECAST CONCRETE PAVEMENT SLABS

WHY SPECIFY PCPS?

Fully cured precast concrete pavement slabs provide many advantages over materials currently used for rapid repair of concrete pavement. When you need a long-lasting, quick repair that can be installed in nearly any type of weather, the solution is precast concrete pavement slabs.

READY TO GO

Precast slabs are fully cured prior to delivery to the job site, so the repaired road can be opened to traffic immediately upon installation – no need to wait for concrete to set or materials to cure. It's ready to go when installed. Repairs can be done at night and/or after the morning rush, and the lane can be reopened with minimal disruption to traffic flow.

MADE TO YOUR EXACT SPECS

Because precast concrete products typically are made in a controlled plant environment, they exhibit high quality and uniformity. Each slab is inspected and evaluated for conformance to project specifications prior to shipment to the job site. Plant casting minimizes, if not eliminates, problems affecting quality frequently encountered on job sites. PCPS also offers longer pavement life than conventional site-cast concrete. Heavy Vehicle Simulator tests have verified pavement life in excess of 143 Million ESALS.

WEATHER - NOT AN ISSUE

Precast slabs can be placed in rainy or cold weather conditions that typically prohibit the installation of cast-in-place concrete pavement since the slabs are fully cured before they are delivered to the job site.



DID SOMEBODY SAY, 'VERSATILE'?

Precast slabs can be used for continuous or intermittent repair of mainline, ramp, intersection, bridge approach, toll plaza, round-about and under-bridge pavement as well as for airfield runways and taxiways. Computer-aided surveying, forming and grading equipment makes it possible to design and place three-dimensional pavement such as that encountered in intersections and super-elevation transitions.

LOOKS GOOD IN GREEN

Besides water, concrete is the most used material on earth. It is nontoxic and environmentally safe. As environmental laws heighten (especially those that prohibit pollutant discharge into rivers and lakes), precast concrete provides additional benefits because it is made from natural materials. Precast slabs are particularly environmentally friendly because they are manufactured in plants where the use of manufacturing materials such as cement, wash water and curing compounds are carefully controlled to prevent unwanted discharges to the environment.

THERE'S MORE ...

Precast slabs are typically manufactured far from the project site, keeping job site noise, debris and construction traffic to a minimum. This helps greatly to minimize construction activity at the job site. Neighborhoods near the repair site are spared traffic jams related to long-term lane closures. Commuters on high volume roadways especially benefit from the reduced traffic impact that precast pavement slabs can provide.

precast
makes it possible™

