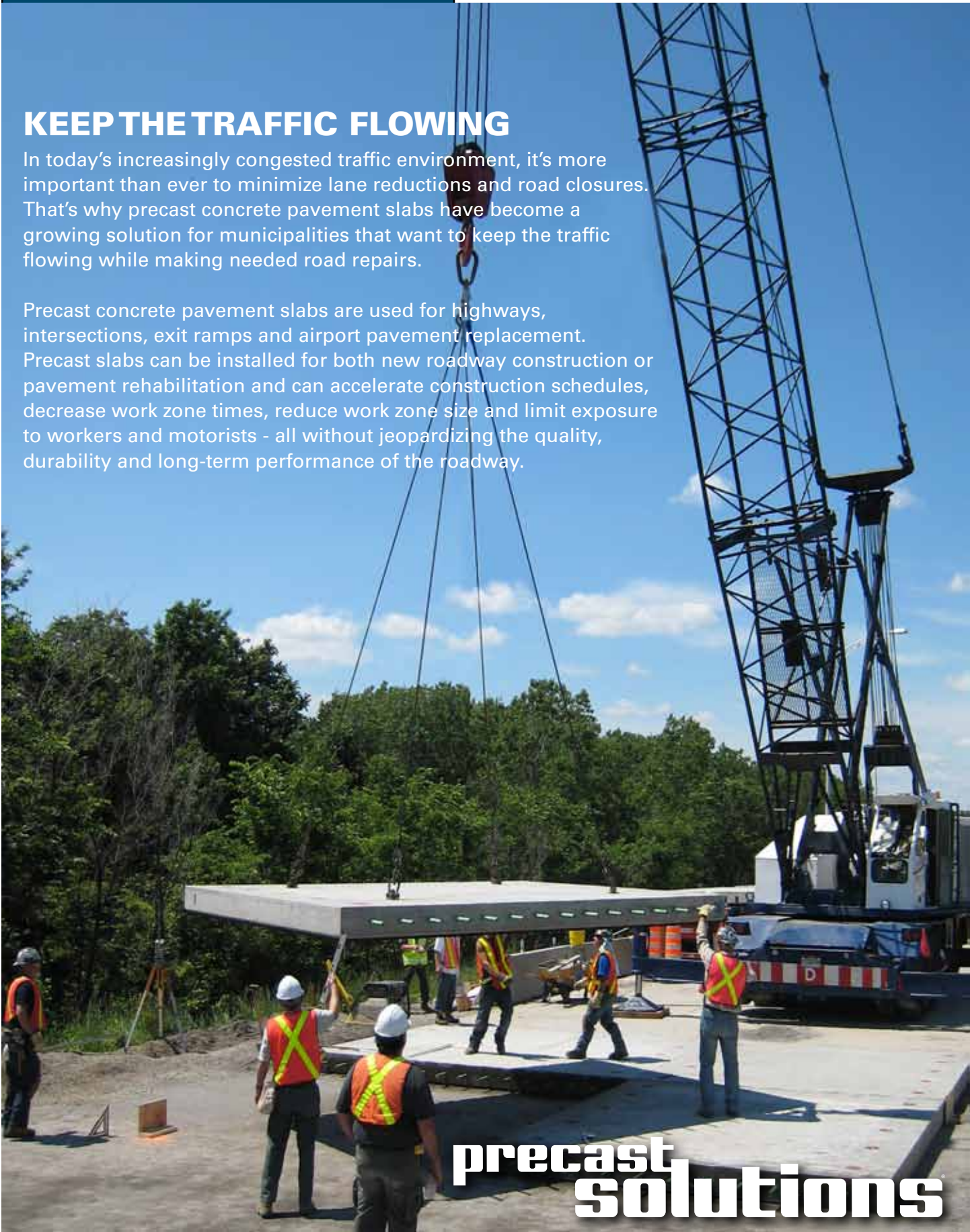


KEEP THE TRAFFIC FLOWING

In today's increasingly congested traffic environment, it's more important than ever to minimize lane reductions and road closures. That's why precast concrete pavement slabs have become a growing solution for municipalities that want to keep the traffic flowing while making needed road repairs.

Precast concrete pavement slabs are used for highways, intersections, exit ramps and airport pavement replacement. Precast slabs can be installed for both new roadway construction or pavement rehabilitation and can accelerate construction schedules, decrease work zone times, reduce work zone size and limit exposure to workers and motorists - all without jeopardizing the quality, durability and long-term performance of the roadway.



**precast
solutions**



Fully cured precast concrete pavement slabs provide many advantages over materials currently used for rapid repair of concrete pavement.

FASTER

Precast slabs are fully cured prior to delivery to the job site. That means the work zone can be reopened to traffic immediately after installation. No more waiting for freshly poured concrete to cure. With precast slabs, the interruption of traffic flow is kept to a minimum, limiting congestion and reducing hazards to workers and motorists.

HIGH QUALITY SLABS LAST LONGER

Because precast concrete products are manufactured in controlled plant environments, they exhibit high quality and uniformity. Each slab is inspected and evaluated to conform to project specifications prior to shipment to the job site. Plant casting minimizes quality problems frequently encountered on job sites: inferior concrete batching and mixing, overtime concrete and problems related to adverse temperatures and other weather-related conditions. Precast concrete slabs offer the greatest potential for much longer pavement life than conventional site cast concrete. Heavy Vehicle Simulator tests have verified pavement life for precast slabs in excess of 143 million equivalent single axel loads.

LESS WEATHER DEPENDENT

What about the weather? No problem. 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, they're ready to go, helping to extend work seasons in colder months and even allowing placement during intermittent rain showers.

VERSATILE

Precast slabs can be used for continuous spans 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 also makes it possible to replace three dimensional pavement 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 tighten (especially those that prohibit pollutant discharge into rivers and lakes), precast concrete is additionally beneficial because it is made from natural materials. It can even incorporate recycled materials for improved sustainability.

Precast slabs are even more environmentally friendly than poured-in-place concrete because they are manufactured in plants where cement, wash-water and curing compounds are carefully controlled to prevent unwanted discharges to the environment. Plant-cast slabs minimize job site rubble and waste frequently associated with cast-in-place concrete construction.

ADDITIONAL BENEFITS

Precast slabs are typically manufactured away from the project site, cutting down on job site noise, debris, the overall footprint of the site and construction traffic. Commuters on high volume roadways benefit from the reduced traffic impact and shorter installation time that precast pavement slabs provide.

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