



**E5® INTERNAL CURE AND E5® LIQUID FLY ASH OVERCOME WINTER WEATHER CHALLENGES, CONCRETE MIX DESIGN LIMITATIONS, AND LABOR AND SUPPLY CHAIN SHORTAGES, SAVING LANDMARK INFRASTRUCTURE CONSTRUCTION SCHEDULE & BUDGET**

**BENEFIT SUMMARY**

- 70% reduction in cracking
- Ability to rework a two-step process into one step
- Substantially shortened project duration
- 15% reduction in cement and SCMs
- Elimination of wet curing and all curing compounds



**PROJECT HIGHLIGHTS**

Location: Indianapolis, Indiana  
Project Cost: \$400M  
Project Size: >50 Bridges 35 lane miles of paving  
Total Concrete Used: 34,000yd<sup>3</sup>  
Ready Mix: Shelby Materials  
General Contractor: Superior Construction  
Concrete Contractor: Superior Construction  
Engineering Firm: HNTB Corporation  
Developer: INDOT

**THE MOST EFFECTIVE CONCRETE CURE FOR MOISTURE.**

E5® Nano Silica admixtures give control back to the finishing crews and accelerate construction schedules. E5® Nano Silica eliminates hardeners, sealers, and curing compounds. When used as a system, E5® provides internal curing, extremely high abrasion resistance and high FF/FL levels. Crews gain access to the slab much quicker than compared to topically treated slabs.



**Recommended System: E5® Internal Cure and E5® Liquid Ash**

