

Outline

- Overview of LC-HPC
- Specifications and their application

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Where we stand

Scope of Work Low-Cracking High Performance Concrete (LC-HPC) Bridge Decks 23 LC-HPC decks (28 placements) completed through 2010 1 LC-HPC deck to be constructed this year More to be let in MN

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LC-HPC Specifications

- Optimized Aggregate Gradation
- Low-absorption Aggregate
- 1 inch Max Size Aggregate
- Cement Content \leq 540 lb/yd³
- w/c ratio = 0.43 <u>0.45</u>
- Air Content of 8 ±1½%
- Designated slump 1¹/₂ 3 in. (¥ 3¹/₂ in. max)
- Controlled temperature
- Improved curing

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Placing

- Air cuff/bladder valve on pump or limit drop with conveyor
- Filling end walls and diaphragms ahead of slab



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Specifications 07-PS0167 Construction 07-PS0166 Concrete 07-PS0165 Aggregates









