



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

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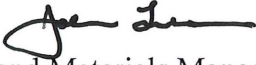
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Eric Holcomb, Governor
Joe McGuinness, Commissioner

August 7, 2017

CONSTRUCTION MEMORANDUM 17-12

TO: District Deputy Commissioners
District Construction Directors
District Technical Services Directors
District Area Engineers
District Project Management Director
Project Management Director
District Traffic Engineers
District Testing Engineers
District LPA Coordinators
Project Engineers/Supervisors
Field Engineers
Office of Materials Management

FROM: John Leckie, Director 
Division of Construction and Materials Management

SUBJECT: Alternate to Concrete Sealers Unique Special Provision

Specification section 709.05(e) allows the use of an alternate concrete mix design in lieu of surface sealing for barrier rail and bridge railing. The benefits include reduced permeability and increased durability. The alternate mix design must include one of two supplemental cementitious materials (SCMs), either 3% silica fume by weight of cementitious material added to the mix design, or 30% ground granulated blast furnace slag substitution based on the required cement content.

The attached Unique Special Provision "Alternate to Concrete Sealers" expands this provision to bridge decks, bridge approaches, pier and bent caps, and mudwalls.

This USP can be incorporated into all contracts as a zero cost change order at the request of the Contractor.

ATTACHMENT: Unique Special Provision "Alternate to Concrete Sealers"

JL/mpb

ALTERNATE TO CONCRETE SEALERS

The Standard Specifications are revised as follows:

SECTION 709, BEGIN LINE 124, DELETE AND INSERT AS FOLLOWS:

(e) Alternate To Concrete Sealers

In lieu of concrete surface sealing for concrete barrier wall, *bridge decks*, *bridge approaches*, *pier and bent caps*, *mudwalls*, and ~~concrete~~-bridge railing, an alternate concrete mix design may be used.
