



SILSPEC® PROJECT REPORT



SILSPEC® 2000 MORTAR BRIDGE DECK SUBSTRUCTURE/JOINT REPAIR 7/8/2013

OWNER: OKLAHOMA TURNPIKE AUTHORITY
LOCATION: INTERSTATE 44 (WILL ROGERS TURNPIKE) OVER MCELLAN-KERR NAVIGATION CHANNEL, VERDIGRIS OKLAHOMA.
SCOPE OF WORK: FAILURE OF CONCRETE AT DECK END CAUSED THE JOINT HEADER TO FAIL AT INSIDE WHEEL PATH. THE FAILURE EXPOSED REBAR IN THE DECK.

A FORM WAS PLACED UNDERNEATH THE DECK TO ALLOW A FULL-DEPTH POUR OF SILSPEC® 2000 MORTAR TO REBUILD THE DECK END AND HEADER. THE POUR UTILIZED SILSPEC® 2000 BINDER RESIN AND PRE-PLACED PEA-GRAVEL AGGREGATE. THE MORTAR WAS PLACED IN 3" LIFTS. POUR TIME WAS 25 MINUTES START TO FINISH.

THE JOINT WAS RESEALED USING DOW CORNING® 902RCS SEALANT. TOTAL REPAIR TIME WAS APPROXIMATELY 3 HOURS START TO TRAFFIC RESUMPTION.

O.T.A. HAS GONE ON TO UTILIZE SILSPEC® 2000 ON OTHER AREAS WHERE SHORT DOWN-TIMES AND QUICK RETURN TO TRAFFIC ARE REQUIRED..

SILSPEC® 2000 CAN BE UTILIZED WITH PEA-GRAVEL WHEN NEEDED OR WITH OUR PRE-PACKAGED SILSPEC® AGGREGATE TO MAKE FAST, LONG-LASTING REPAIRS TO BRIDGE DECKS, PAVEMENTS AND OTHER CONCRETE STRUCTURES.



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