

Russell-Tyler-Ruthton High School Parking Lot Overlay



What was the problem?

The Russell-Tyler-Ruthton High School parking lot was starting to show some deterioration and was scheduled to have a 2 inch asphalt mill and overlay completed as part of the routine maintenance that comes with asphalt parking lots. However with the history of ongoing and increasing maintenance and repair costs that comes with owning an asphalt parking lot the RTR School Board decided to look at a concrete overlay option that would provide them a more durable, longer lasting, low maintenance pavement.

What was the solution?

The 56,000 square foot parking lot was paved with 3.5 inches of concrete after sweeping and air blasting the existing asphalt. Joint spacing was at 6 foot on center and was cut with early entry saws. The mix, which was delivered to the site by ready mix truck, included 1.5 pounds of polypropylene fiber per cubic yard. The project was constructed by Carstensen Contracting of Pipestone, MN, who used both roller and truss screeds to place the concrete.

Work started with initial cleaning of the asphalt parking lot on Monday, July 30, 2012 and it took crews 5 days to complete the parking lot. Final striping and the opening of the parking lot was completed in time for the first day of school.

Key Facts about the project

3.5 Inch Concrete overlay on an existing asphalt parking lot

Polypropylene fibers were added to the concrete mix

Approximately 600 cy of concrete was used to overlay the parking lot

Owner: Russell-Tyler-Ruthton School District
Contractor: Carstensen Contracting
Concrete Supplier: Buffalo Ridge Concrete

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