

STRUCTURAL VERTICAL EXTERIOR

MDOT I-96

BRIDGE OVER THE GRAND RIVER

LANSING, MI

Bridge Contractor:	Davis Construction, Inc.
Concrete Contractor:	GM & Sons, Inc.
Concrete Supplier:	Shafer Redi-Mix
Project Owner:	MDOT - Lansing TSC

This bridge replacement project, completed by contractors Davis, GM & Sons, and Rohrscheib, stands out for its impressive scope, complexity, and technical execution, representing a significant achievement in heavy civil concrete construction. The project required the placement of approximately 12,550 cubic yards of concrete, demanding exceptional coordination, scheduling and sequencing, and quality concrete production across multiple phases of work.

Concrete placements included 1,800 cubic yards for the superstructure bridge deck and 1,100 cubic yards for the substructure, each requiring precise forming, reinforcing, and placement techniques to meet performance and durability requirements. An additional 100 cubic yards of microsilica concrete were used in specialized bridge deck applications, demonstrating the team's ability to work with advanced materials to enhance long-term durability and resistance to aggressive exposure conditions. The project also included 1,000 cubic yards of concrete for caisson substructure, requiring careful planning and execution to ensure structural integrity below grade.

The largest portion of the work – 8,550 cubic yards of high-performance pavement – highlights the team's capability to deliver consistent, high-quality results at scale. This phase required disciplined batching, placement, finishing, and curing practices to meet demanding MDOT specifications and performance expectations.

This bridge project reflects strong collaboration among contractors, effective problem-solving, and a commitment to excellence in concrete construction. The result is a durable, high-quality infrastructure investment that will safely serve the traveling public and surrounding community for decades to come.

