

SPECIAL INNOVATIVE HIGHWAY

MDOT I-496 AT US-127

LANSING, MI

Bridge Contractor:	Toebe Construction LLC - Bridge
General Contractor:	Toebe Construction LLC - Paving
Concrete Supplier:	Shafer Redi-Mix
Project Owner:	MDOT - Lansing TSC

The I-496 at US-127 reconstruction project represents one of the most significant and complex infrastructure efforts in the University Region, delivered through multiple job numbers, subcontractors, suppliers, and stakeholders. Led by Toebe and F&M, with key contractors including Bella, Toledo Caisson, Action Traffic, and Rauhorn Electric, the project reflects the scale, coordination, and technical demands of modern transportation construction.

Ready-Mix Concrete Scope

The ready-mix portion of the project has supplied approximately 36,776 cubic yards of concrete to date across a wide range of applications. This included 9,705 cubic yards of substructure concrete, 6,766 cubic yards for superstructure and bridge decks, 6,800 cubic yards for bridge approaches, curb, and valley gutter, 5,000 cubic yards of flowable fill, 6,850 cubic yards of barrier wall, 865 cubic yards for sound wall, and 790 cubic yards for light pole and sign foundation work. Beginning in March 2024 and continuing through completion in November 2025, this work highlights the critical role of consistent quality, reliable supply, and coordination across multiple contractors and placements.



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Concrete Pavement Scope

In parallel, Toebe constructed 3.66 miles of high-performance non-reinforced concrete pavement on northbound and southbound US-127 from I-96 to I-496, including multiple interchange ramps and local on- and off-ramps, while adding an additional travel lane through Lansing and East Lansing in Ingham County. Paving operations utilized a fleet of Gomaco equipment, including a GP-4 paver with IDBI attachment set at 24 feet for dual-lane paving, a NewGen Commander for shoulders, a four-track 2400 for single-lane paving and ramps, and a 2800 for wide interchange ramps. These methods produced approximately 273,000 square yards of 9.5-inch pavement and 43,000 square yards of 8-inch pavement. All of the pavement concrete—just under 82,000 cubic yards—was produced on-site using Toebe's RexCon Model S portable concrete plant placed within the Dunckel Road (Jolly Road) interchange.

Tight staging windows, ramp closures, and work across 18 bridges required constant coordination between paving crews, subcontractors, and concrete delivery operations. The completed roadway provides a smooth, durable pavement system that significantly improves safety, capacity, and efficiency for the traveling public.

