

Project Spotlight



SH 51 Overlay Blaine County

ODOT engineers needed to resurface SH-51 just outside of Canton in Blaine County but were having trouble getting acceptable asphalt bids, so the decision was made to try a concrete overlay. Plans were developed in-house by ODOT Division Five engineers for a five-inch thick, bonded concrete overlay of the existing asphalt roadway.

The contractor, Duit Construction, utilized a CMI Trimmer to remove approximately 1" of asphalt from the surface to re-establish the profile and ensure that it was clean enough to establish a good bond. Due to being constructed in mid-summer and temperature restrictions on bonded overlay paving, the project was set up where the milling would be done during the day and the paving done at night. By being able to split shifts, the concrete paving was completed in 20 days for 29,136 lf of two-lane highway SH-51 & SH-51A.

A phasing plan was developed to pave the entire width of the road in one pass. ODOT let the project close SH-51 and just keep local traffic flowing and intersections operational. There were logistical issues with the general public living and working in the project limits, so Duit Construction utilized the section roads to detour traffic around the work zone. This allowed the paving operation to be as seamless as possible resulting in minimal impact to the general public and local activities.

This project was actually bid on June 16, 2016 and was opened to traffic on September 16, 2016. The end result was that five miles of roadway was bid, awarded and constructed in roughly 90 days. This is a true testament of how quickly concrete overlays can be placed.

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