

CASE STUDY



PROJECT DETAILS

Project Name:
Verona Road Bridge

Location:
Fitchburg, WI

General Contractor:
Lunda Construction

Product Manufacturer:
County Materials
Corporation

Date:
2019

Key Products:
Prestressed Bridge Girders

County Materials Manufactures and Delivers Prestressed Bridge Girders with Unmatched Speed for Verona Road Project

Solutions: Enhanced production capacity and job site proximity aid in responsive delivery service

As traffic between Madison and Fitchburg, WI increased, the Verona Road corridor, along US Highway 18/151, became easily congested and posed a hazard due to its dated design. The Wisconsin Department of Transportation coordinated the corridor's multi-year replacement to improve traffic flow and reduce accidents. The project expanded several highways and reconstructed the Williamsburg Way and McKee Road interchanges.

County Materials manufactured and delivered 66 prestressed bridge girders, measuring 95 – 109 feet-long for the two interchange reconfigurations. Prestress girders were specified for their inherently long service life and low life cycle cost. Additionally, County Materials' enhanced production capacity and local availability ensured the project's timely completion and allowed greater flexibility with girder deliveries.

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Project contractor, Lunda Construction was contracted to excavate the new road elevation, construct the Williamsburg Way bridge, and reopen the road in less than three months. The road was excavated 25 feet below, allowing traffic to pass under the soon to be constructed bridge. Originally, the contractor scheduled two days for the delivery of 22 prestress girders; however, incoming inclement weather conditions prompted crews to reschedule the delivery for a single day with one day's notice.

"After discussion with our field staff, I decided to reach out to County Materials to see if all 22 girders could be delivered the next day. Within the hour, they called me back saying they could make it happen," said a Lunda Construction representative. "With great coordination between County Materials and Lunda Construction, the erection of 22 girders in this short time was completed both safely and efficiently, truly an impressive feat."

County Materials' enhanced production capacity and proximity to the job site helped our company provide a responsive solution that met our customer's needs. The first delivery arrived at 6:30am, and the final girder was delivered and installed at 1:30pm.

Several months later, 24 prestressed bridge girders were delivered for the reconstruction of the McKee Road interchange. The girders were delivered within four days, keeping the project on schedule for completion.



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