

CASE STUDY



PROJECT DETAILS

Project Name:

Plover River Bridge

Owner:

WisDOT

Engineer:

WisDOT

Location:

Marathon County, WI

General Contractor:

Radtke Contractors Inc.

Product Manufacturer:

County Materials
Corporation

Date:

2020

Key Products:

Prestressed Bridge Girders

County Materials Delivers Prestressed Bridge Girders Across the State for Same-Day Installation

Solutions: Prestressed concrete bridge girders promote low life cycle costs and longevity; precise girder delivery keeps project on schedule

An aging bridge structure, spanning the Plover River near Hatley, WI, prompted replacement as it neared the end of its service life. The Wisconsin Department of Transportation (WisDOT) proceeded with the project as part of its Local Bridge Program, in which projects are funded with 80 percent state and 20 percent local match. The pilot program is expected to reduce costs with streamlined delivery and oversight processes on low-risk local bridge projects.

WisDOT specified prestressed concrete bridge girders, manufactured by County Materials, for their low life cycle costs. Prestressed concrete is a high-performing material, capable of supporting high load capacities across long spans. Its proven resistance to decades of inclement weather and heavy wear makes it a viable solution for projects demanding resilience and longevity. Prestressed concrete bridge structures require little to no maintenance and can remain in serviceable condition for up to 100 years. Their prolonged service life and reduced costs offer taxpayers exceptional value.

Continued on page 2.



County Materials manufactured six 59-foot-long concrete girders in Janesville, WI and delivered them three hours north to the site. Our team of highly skilled drivers and dispatchers coordinated and executed precise deliveries that resulted in an efficient same-day installation. The combined efforts of County Materials, WisDOT, and Radtke Contractors Inc. kept the project on schedule for its eight-week completion.



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