

## CASE STUDY



### PROJECT DETAILS

**Project Name:**

Racine Street Bridge

**Location:**

Menasha, WI

**Owner:**

Wisconsin Department  
of Transportation

**General Contractor:**

Lunda Construction Co.

**Product Manufacturer:**

County Materials  
Corporation

**Date:**

2021

**Key Products:**

Prestressed Bridge Girders

## Durable Prestressed Girders Offer Long-Term Solution for Downtown Bridge

**Solutions:** Prestressed girders relied on for 75-year lifespan of downtown bridge

When a downtown Menasha, Wisconsin, bridge became outdated, the Wisconsin Department of Transportation sought a long-term solution in prestressed girders, and expects the new structure to serve the community for 75 years. County Materials' Prestressed Bridge Girders are designed to withstand heavy use over a long service life.

The design of the new bridge improves traffic flow and boat passage. Increased vertical clearance allows more boats to pass under the bridge without need for a drawbridge. The wider structure decreases traffic congestion and increases safety for pedestrians and cyclists.

*Continued on page 2.*







County Materials' Prestressed Bridge Girders were selected for their high-performance strength and durability. Prestressed girders can withstand heavy loads, ideal for the numerous motor vehicles that cross the bridge each day. Their inherent durability resists the elements, enduring freeze/thaw cycles during the winter months. Additionally, prestressed girders require minimal maintenance throughout their extended service life, reducing maintenance costs.

County Materials conducted pre-delivery inspection of the site to coordinate delivery of the girders in two stages. Manufactured to specification, the girders were ready to install upon delivery, decreasing costs and meeting the construction schedule. County Materials manufactured and delivered 28 prestress girders ranging from 124 to 159 feet in length for the project.



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