

CASE STUDY



PROJECT DETAILS

Project Name:

Highway 57 Bridge Replacement

Location:

Mantorville, MN

Owner/Engineer:

MnDOT

Erector:

Icon Constructors, LLC

Product Manufacturer:

County Materials Corporation

Date:

2019

Key Products:

Prestressed Bridge Girders

County Materials Supplies Multi-Bridge Project with Unmatched Speed and Professionalism

Solutions: Prestressed concrete bridge girders replace corroded steel girders; multi-bridge replacement project

As they began to corrode, two aging steel bridge structures on Highway 57, outside of Mantorville, MN, warranted replacement. The Minnesota Department of Transportation coordinated the bridges' six-month replacement, specifying prestressed bridge girders for longevity.

MnDOT relied on County Materials' Prestressed Bridge Girders to meet the project's firm construction schedule. County Materials utilized its enhanced production capacity to manufacture 30 girders, measuring 34' to 63' in length and 27" tall. The girders' shorter height was advantageous in accommodating the sites' elevation without need for additional construction. County Materials' experienced Prestress Production Team precisely embedded inserts into the beams, further aiding in the bridges' ease and speed of installation.

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In addition to efficiency, prestressed bridge girders offer unmatched longevity. Their prestressed fabrication supports high load capacities through decades of inclement weather and heavy use. State departments of transportation rely on prestress girders for their extended service life, which can reach up to 100 years with minimal maintenance.

County Materials played an integral role in the success of this multi-bridge replacement project, partnering with Icon Constructors from shop drawings through girder installation. Use County Materials' Prestressed Bridge Girders for your next project by contacting our Customer Service Team at (800) 426-1126.



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