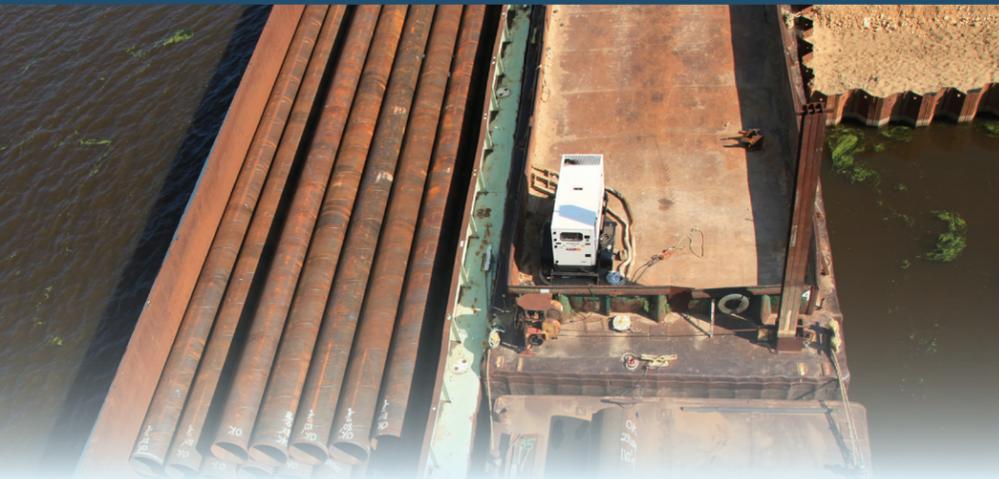




The 2013 – 2019 Winona Bridge project is MnDOT's first Contract Manager/General Contractor (CMGC) project

CASE STUDY

WORK PACKAGE #1 — EARLY PILING PROCUREMENT



EARLY PROCUREMENT MITIGATED THE RISK OF SCHEDULE DELAYS

Early in MnDOT's work with **AMES CONSTRUCTION, INC.**, the CMGC contractor, an additional work package was implemented to procure new bridge foundation pilings. The new Work Package #1 consisted of **PROCUREMENT OF 42-INCH OPEN-ENDED STEEL SHELL PILINGS** for the new bridge main river pier substructures.

Through the CMGC process, **AMES WORKED DIRECTLY WITH THE STEEL PILING FABRICATORS** and determined a 12-20 week lead time was required for the pilings to be fabricated and delivered. A main project goal is to advance construction so the **SPRING 2015 FLOODING ON THE MISSISSIPPI RIVER** won't affect the scheduled goal of placing Highway 43 traffic on the new bridge by the fall of 2016. **EARLY PROCUREMENT OF THE PILINGS** was required to ensure delivery to the project site in August 2014, which allowed the river bridge foundation to proceed.



TO



COST SAVINGS

During constructability reviews, the CMGC team **RECOMMENDED CHANGING THE PILING WALL THICKNESS** from the originally recommended

1" TO 3/4"

This added **LENGTH TO THE OVERALL PILING QUANTITY** required, but it led to ...

\$638,000

THE OVERALL COST SAVINGS ESTIMATED FOR THE DECREASE IN WALL THICKNESS OF THE PILING ON A \$2.2 MILLION CONTRACT



ADDED VALUE



VALUE ADDED FEATURES

THE **ADDITIONAL COSTS OF SIGNIFICANT SCHEDULE DELAYS**, SUCH AS WINTER WORK, SCHEDULE ACCELERATION AND A DELAYED OPENING OF THE NEW BRIDGE, WERE NOT INCLUDED IN THE ESTIMATED SAVINGS ABOVE.

FOR MORE INFORMATION ON THE WINONA BRIDGE PROJECT

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Or visit WWW.MNDOT.GOV/WINONABRIDGE and WWW.FACEBOOK.COM/WINONABRIDGE



AMES CONSTRUCTION IS THE WINONA BRIDGE CMGC CONTRACTOR

The Burnsville, Minnesota, company is also the **GENERAL CONTRACTOR** on the nearby **DRESBACH BRIDGE PROJECT** (shown).

A history of quality bridge projects, on-time delivery and professionalism.



Ames Construction, Inc.®



Building a Better Mississippi River Crossing

