

# MEREDITH BROTHERS, INC.

## CHAMPAIGN COUNTY CHOOSES GFRP REBAR!



### GENERAL INFORMATION

**PROJECT TITLE:**

OLD TROY PIKE BRIDGE

**ENGINEER:**

STEPHEN MCCALL, P.E. P.S.

**LOCATION:**

URBANA, OHIO

**PRODUCT USED:**

OWENS CORNING GLASS FIBER REINFORCED POLYMER REBAR

**INSTALLED BY:**

CHAMPAIGN COUNTY PERSONNEL

**INSTALLATION DATE:**

MAY 2020

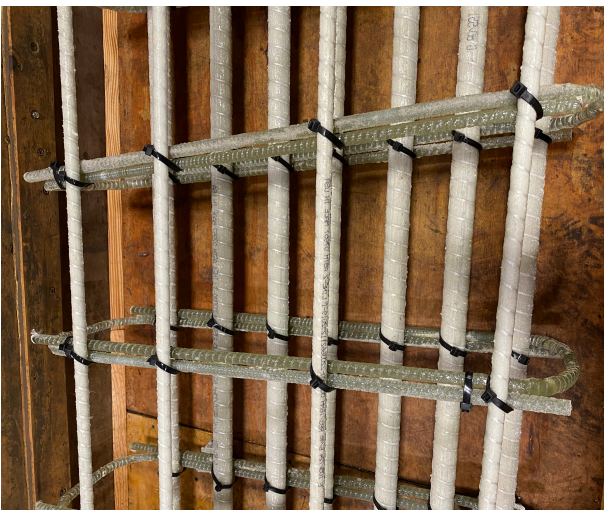
### BACKGROUND & PRODUCT DETAILS

**REASON FOR PRODUCT USE:**

OWENS CORNING GFRP REBAR PROVIDES REINFORCING STRENGTH IN CONCRETE WITHOUT THE RUST ISSUES THAT ARE COMMON WITH REINFORCING STEEL. BY INCORPORATING GFRP INTO THEIR DESIGN THE COUNTY WILL REALIZE A MUCH LONGER LIFESPAN FOR THE OLD TROY PIKE BRIDGE.

**TYPE OF PRODUCT:**

OWENS CORNING GFRP REBAR WAS CHOSEN DUE TO IT'S LIGHT WEIGHT AND INERT MAKE-UP. EXPECTATIONS ARE THAT THIS MAY EXTEND THE LIFE OF THE BRIDGE AS MUCH AS 2 TIMES VS STEEL.



### RESULTS

THE CREW WAS VERY IMPRESSED WITH THE LIGHT WEIGHT BARS, 1/4 THE WEIGHT OF STEEL, AND HOW EASILY THE CAGES WERE ASSEMBLED.