Medium Span: Fort Meigs Memorial Bridge, Maumee & Perrysburg, OH

The Ohio Department of Transportation designed the new Fort Meigs Memorial Bridge, crossing the Maumee River in northwestern Ohio, to replace an existing bridge almost 75 years old. The bridge connects the City of Maumee in Lucas County and the City of Perrysburg in Wood County, and carries U.S. Route 20 and State Route 25 traffic across the river

The previous structure was a seven-span, filled-spandrel concrete-arch bridge constructed in 1927-1928. The bridge had deteriorated, resulting in crumbling concrete along both sides and closing the sidewalk on the upstream side. The two-lane bridge was functionally deficient to carry the current traffic volume of 29,000 vehicles per day. There were sharp curves on the roadway approaches at both ends of the bridge. The new $9.2-million replacement bridge is a seven-span, variable-depth, haunched, horizontally curved steel-girder structure with a composite, reinforced-concrete deck and substructure. The bridge is located on a sweeping five-degree, horizontally curved alignment to eliminate the sharp curves on each end.

OWNER
Ohio Department of Transportation

GENERAL CONTRACTOR
Mosser Construction, Inc., Fremont, OH

STRUCTURAL ENGINEER
Adache Ciuni Lynn Associates, Inc., Cleveland

ENGINEERING SOFTWARE
C-Bridge

STEEL FABRICATOR
PDM Bridge, Eau Claire, WI (AISC member)

STEEL DETAILER
Tensor Engineering, Indian Harbor Beach, FL (AISC member, NISD member)