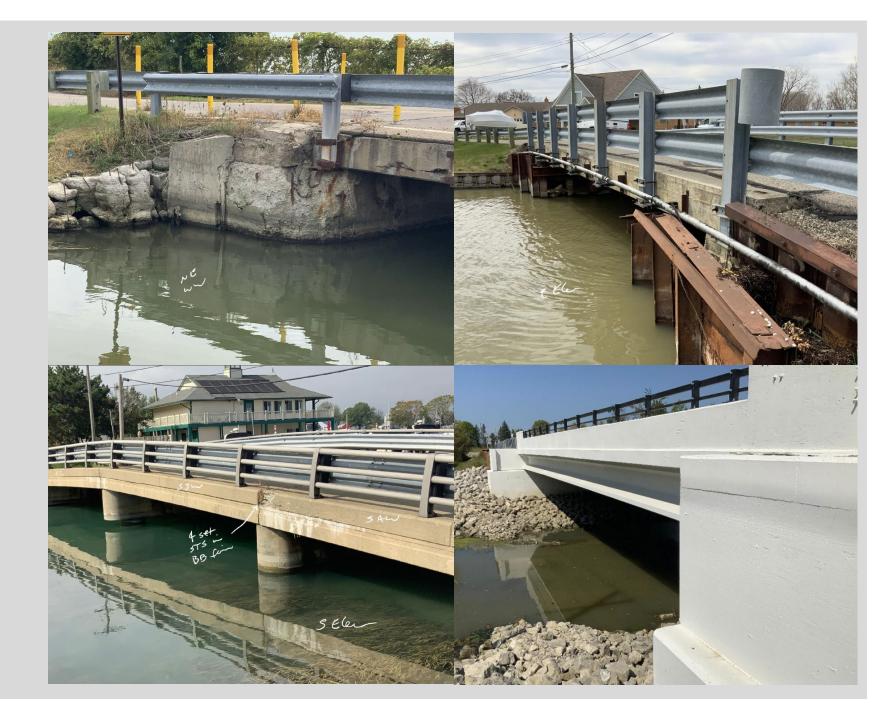
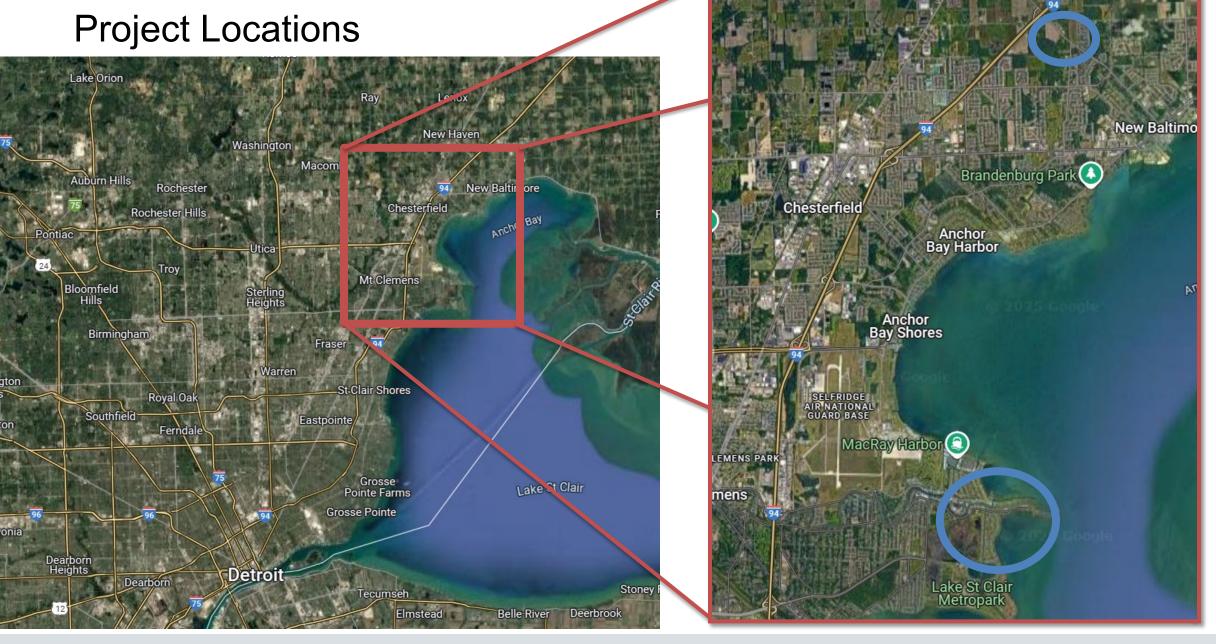
HNTB

NEW MACOMB COUNTY BRIDGES

Christal Larkins, PE Eric Stone, PE

March 18, 2025

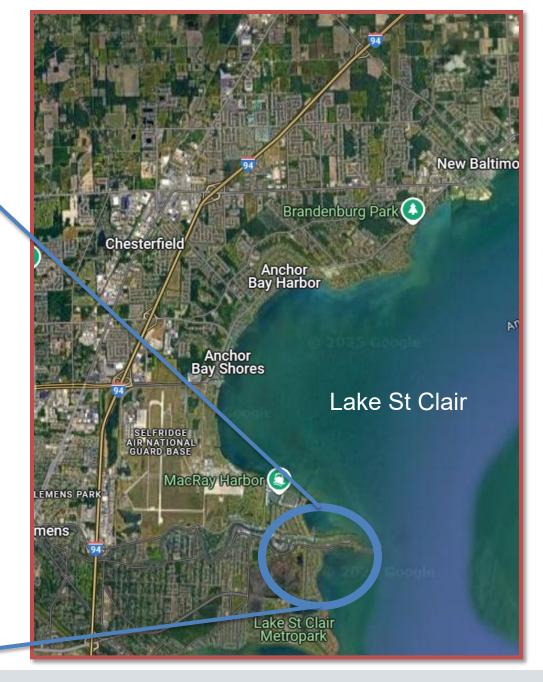






Project Locations





3



Project Locations

North River



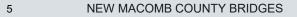
MICHIGAN BRIDGE WEEEK MARCH 18, 2025











MICHIGAN BRIDGE WEEEK MARCH 18, 2025



WEST ARCHER





BRIDGE CONDITION – WEST ARCHER





BRIDGE CONDITION – WEST ARCHER

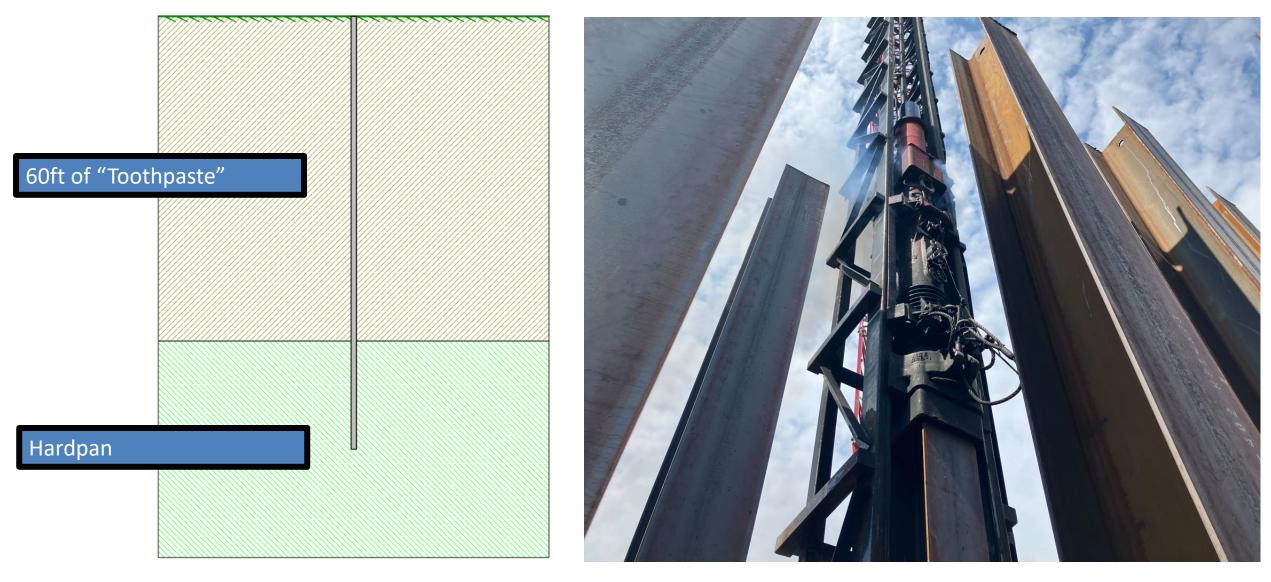




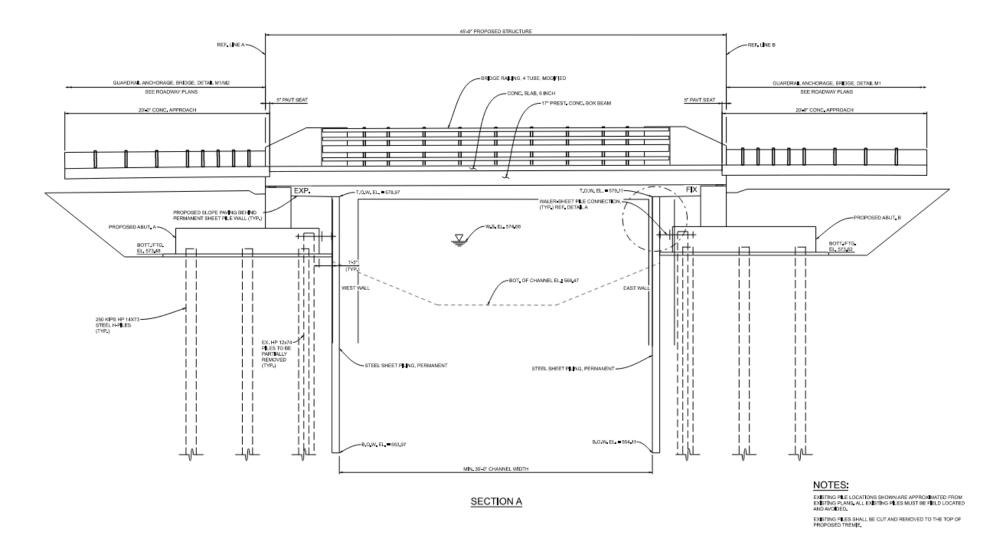


9









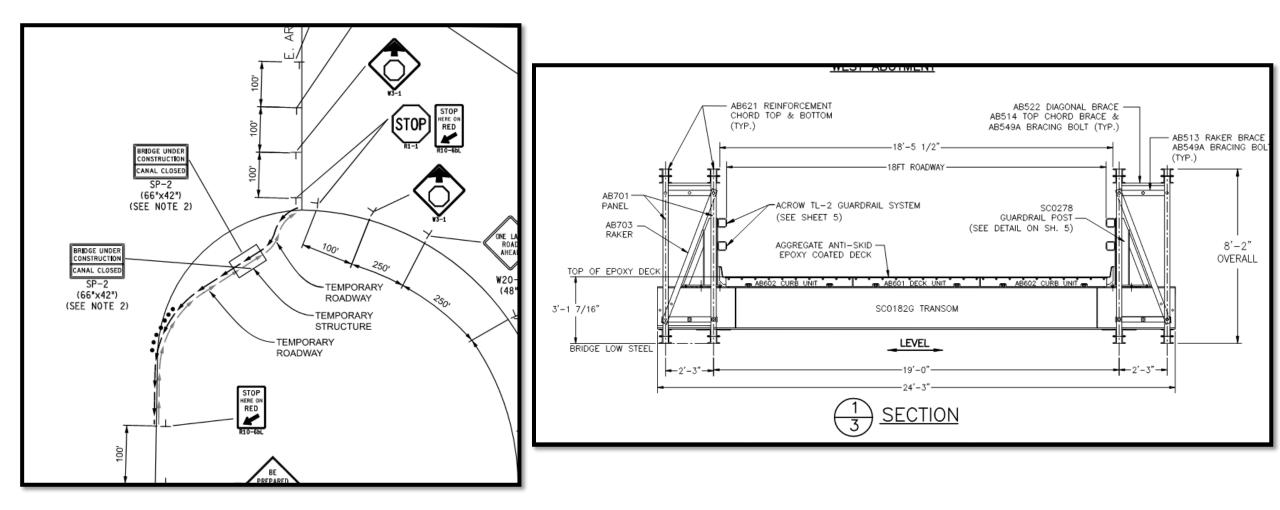
TEMP BRIDGE LOCATION & ROW CONSTRAINTS







Temporary Bridge



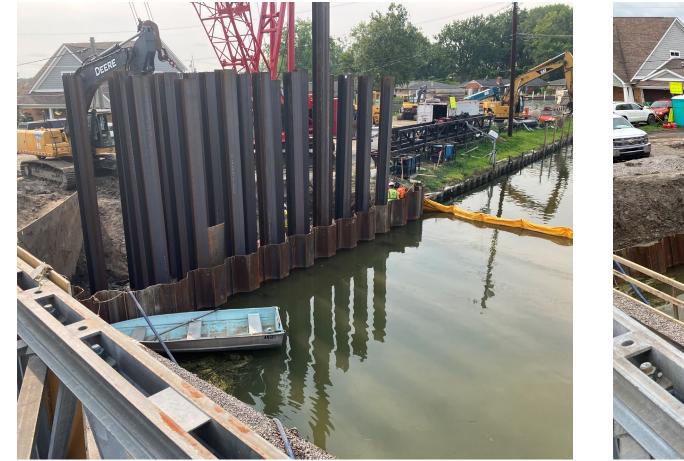


Temporary Bridge





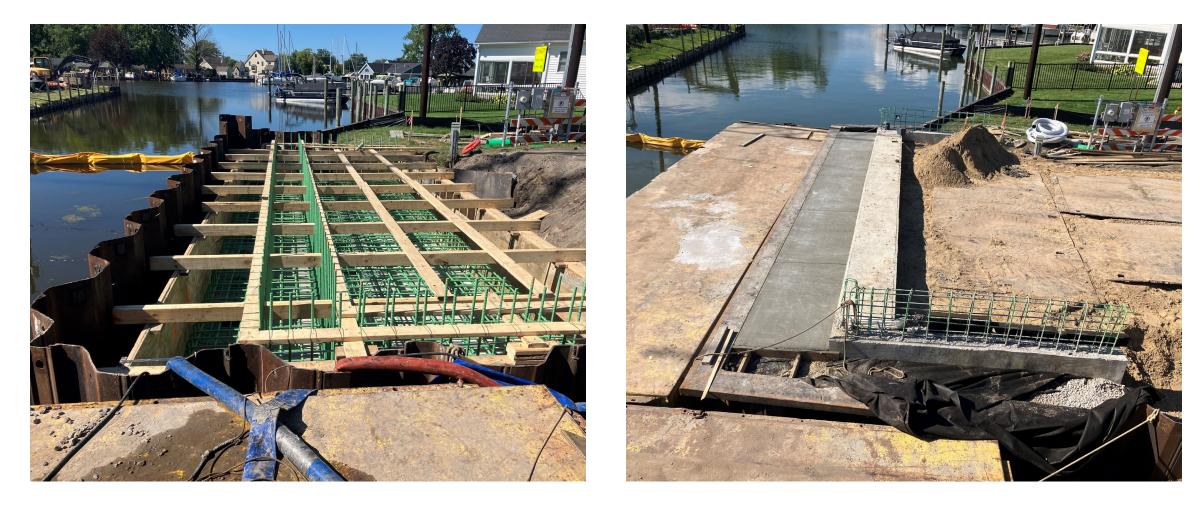
CONSTRUCTION







CONSTRUCTION





CONSTRUCTION



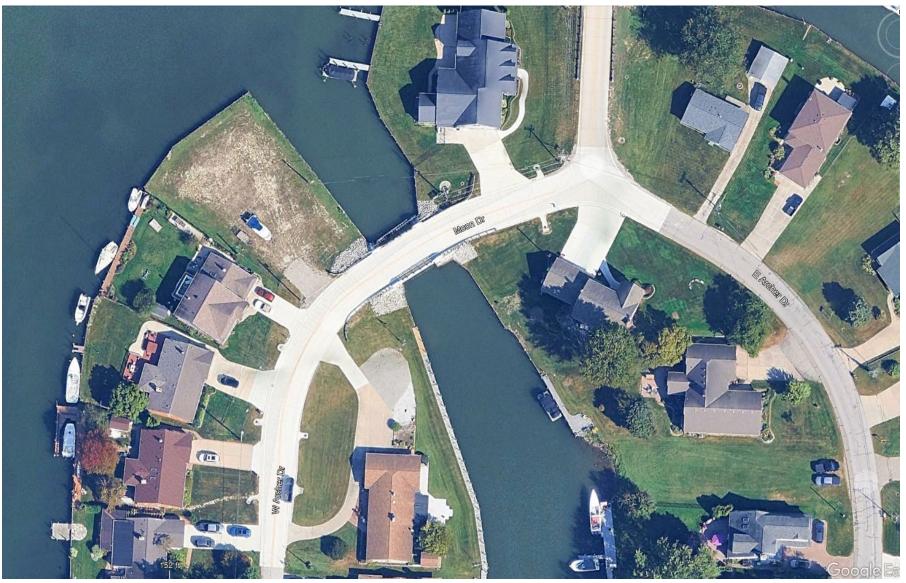
17 NEW MACOMB COUNTY BRIDGES

PRE-CONSTRUCTION





POST-CONSTRUCTION





POST-CONSTRUCTION





LESSONS LEARNED

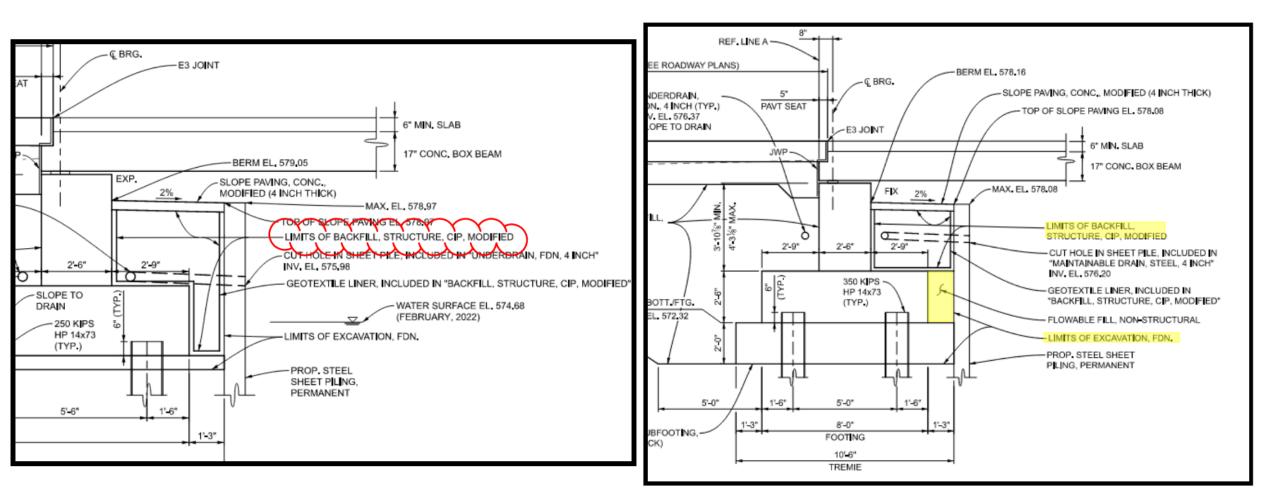
 General Overall Past Planning – maybe avoid building islands with only one access point...

Storm Sewer – evaluate condition and determine if replacement is necessary

Temporary Bridge vs seawall tiebacks



LESSONS LEARNED





LESSONS LEARNED

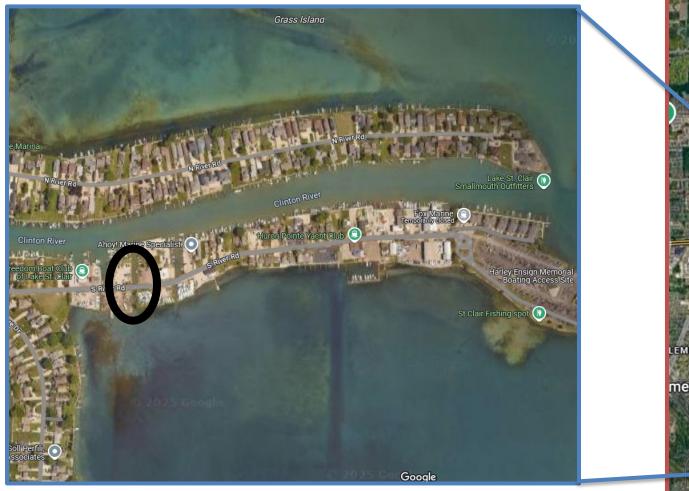
West Archer Drive: Pump Station Rack when Surveyed

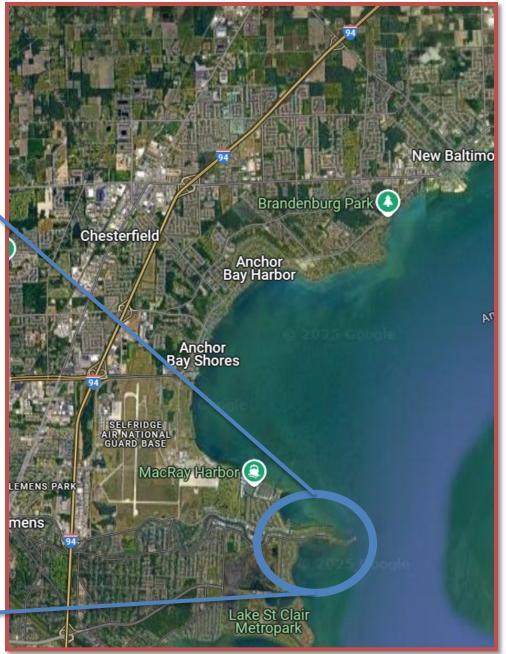


West Archer Drive: Pump Station Racks during construction



Project Location: South River Rd over Channel













MICHIGAN BRIDGE WEEEK MARCH 18, 2025

BRIDGE CONDITION – SOUTH RIVER





MICHIGAN BRIDGE WEEEK MARCH 18, 2025

BRIDGE CONDITION – SOUTH RIVER





BRIDGE CONDITION – SOUTH RIVER



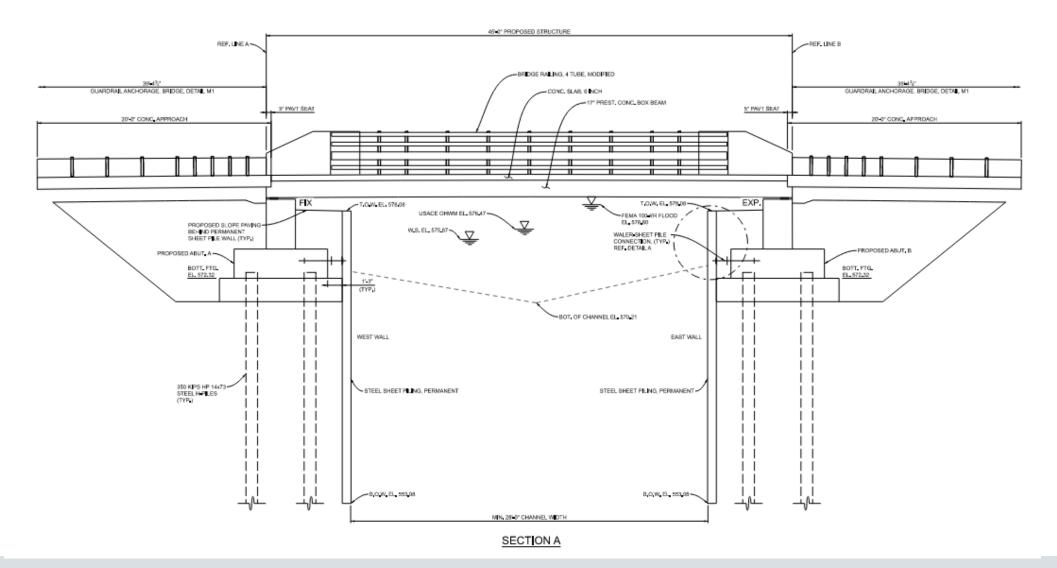


ROW CONSTRAINTS – SOUTH RIVER



29 NEW MACOMB COUNTY BRIDGES

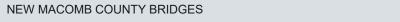
DESIGN – Very similar to West Archer



30 NEW MACOMB COUNTY BRIDGES







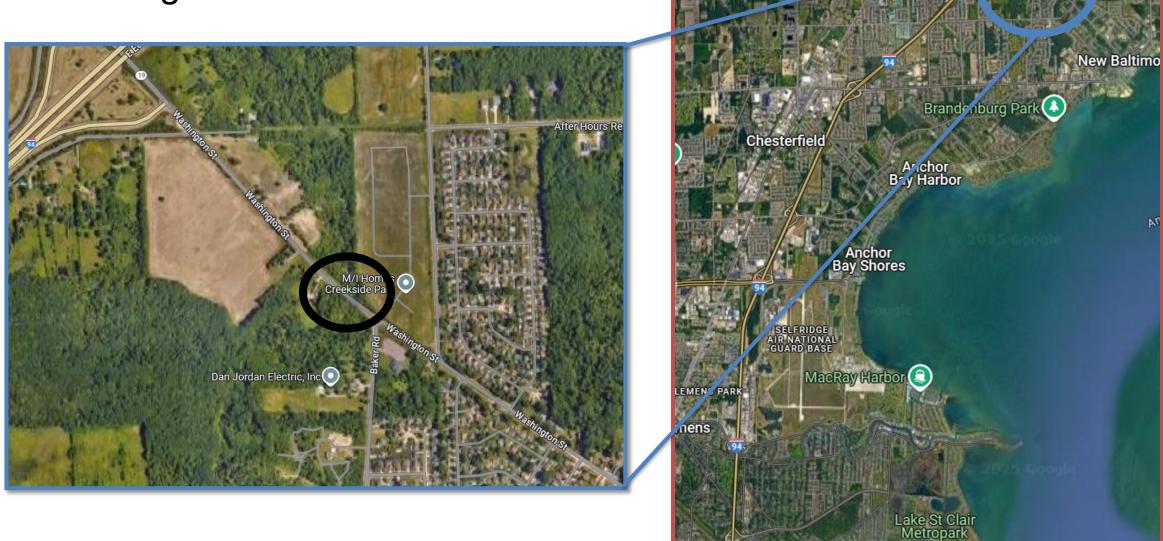


CONSTRUCTION IN PROGRESS





Project Location: Washington Rd over Salt River





WASHINGTON





BRIDGE CONDITION – WASHINGTON





BRIDGE CONDITION – WASHINGTON





BRIDGE CONDITION – WASHINGTON



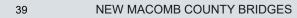


ROW CONSTRAINTS – WASHINGTON

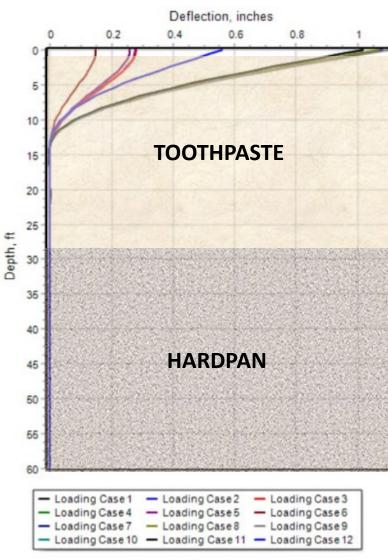


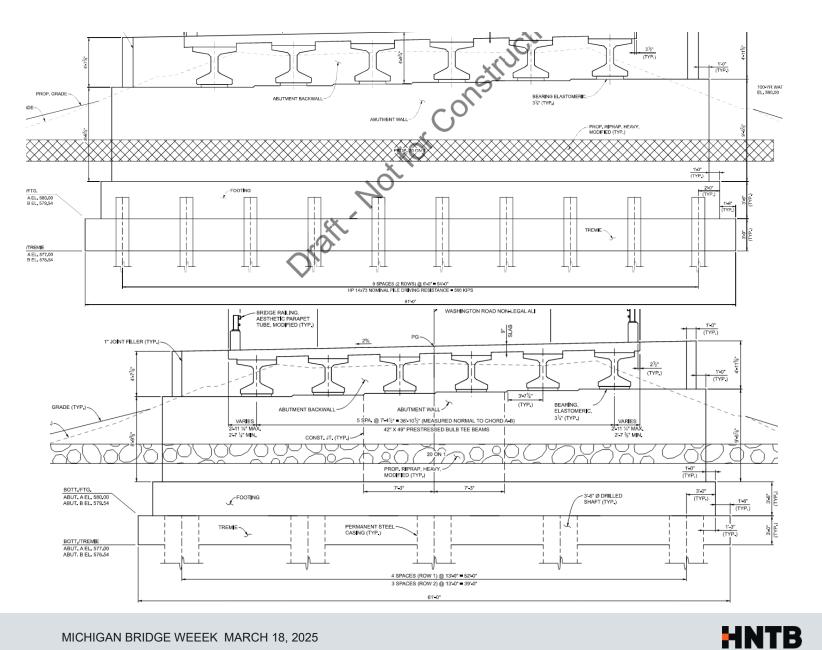




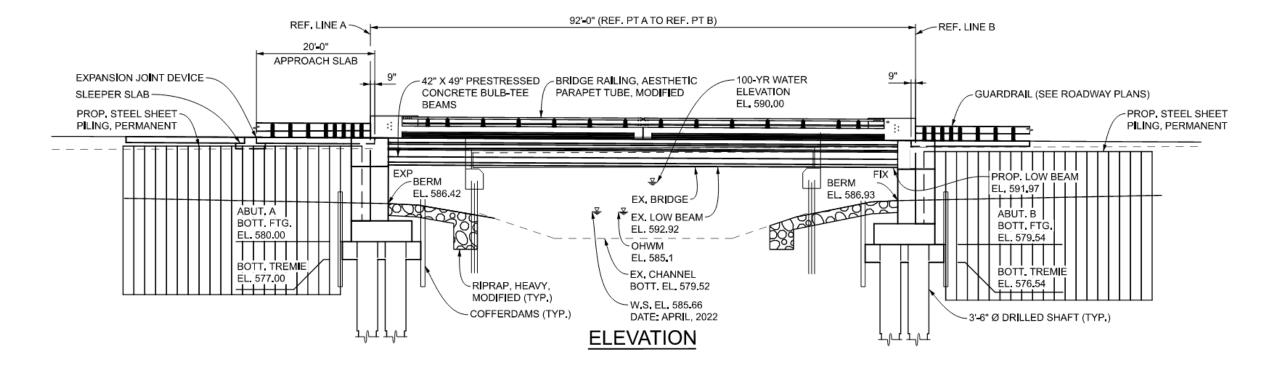




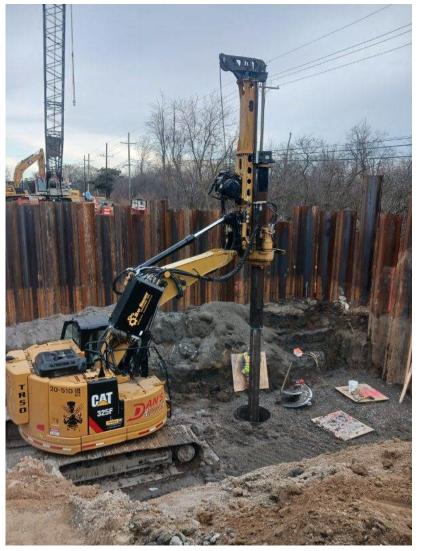




40

























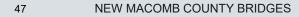






POST-CONSTRUCTION



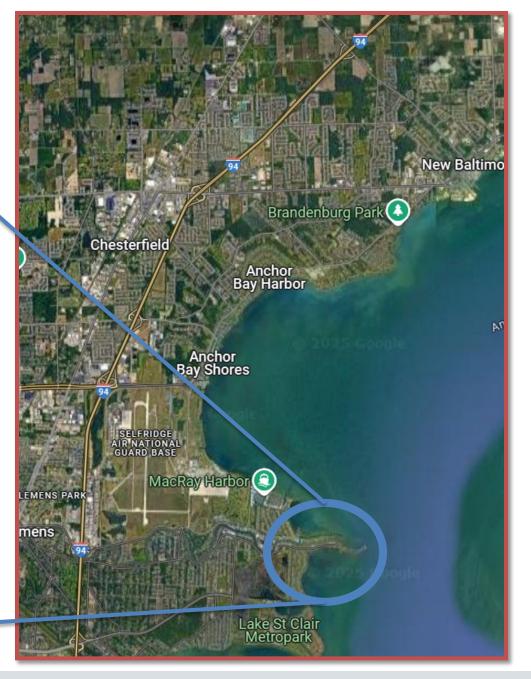


MICHIGAN BRIDGE WEEEK MARCH 18, 2025



Project Location: North River Rd over Catfish Channel









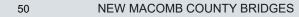






BRIDGE CONDITION – NORTH RIVER







BRIDGE CONDITION – NORTH RIVER





BRIDGE CONDITION – NORTH RIVER





ROW CONSTRAINTS – NORTH RIVER

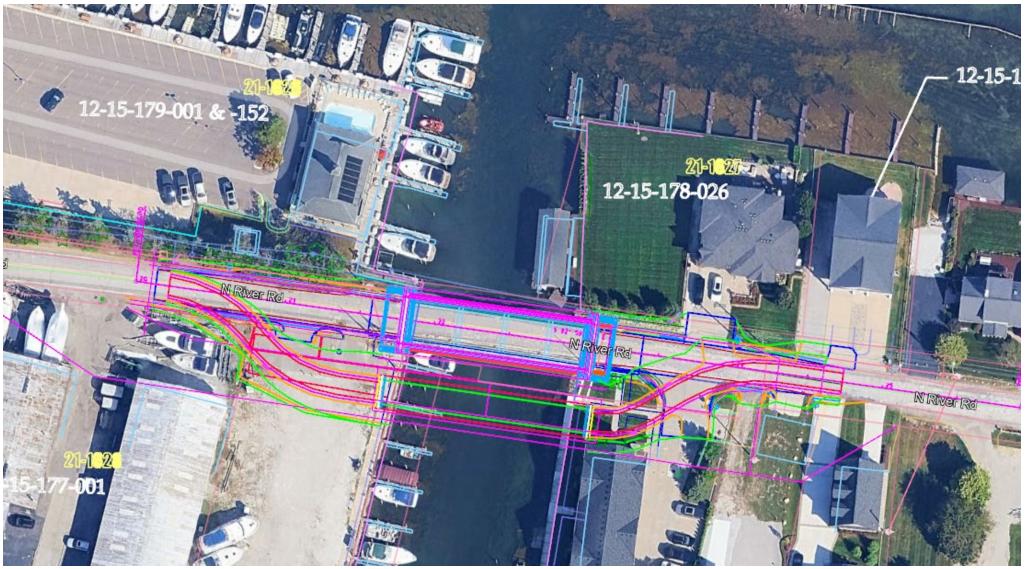




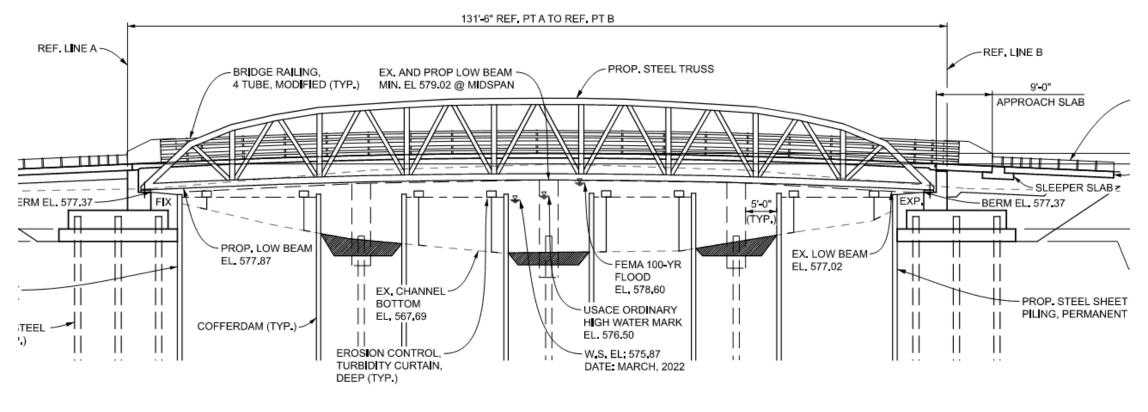
ROW CONSTRAINTS – NORTH RIVER







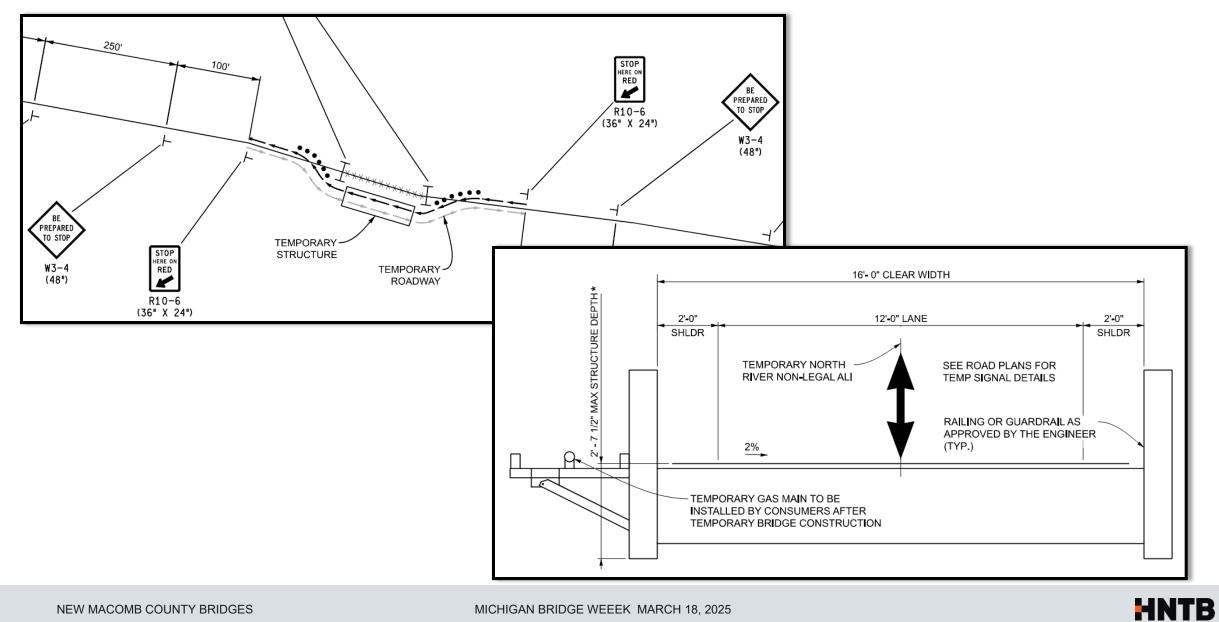




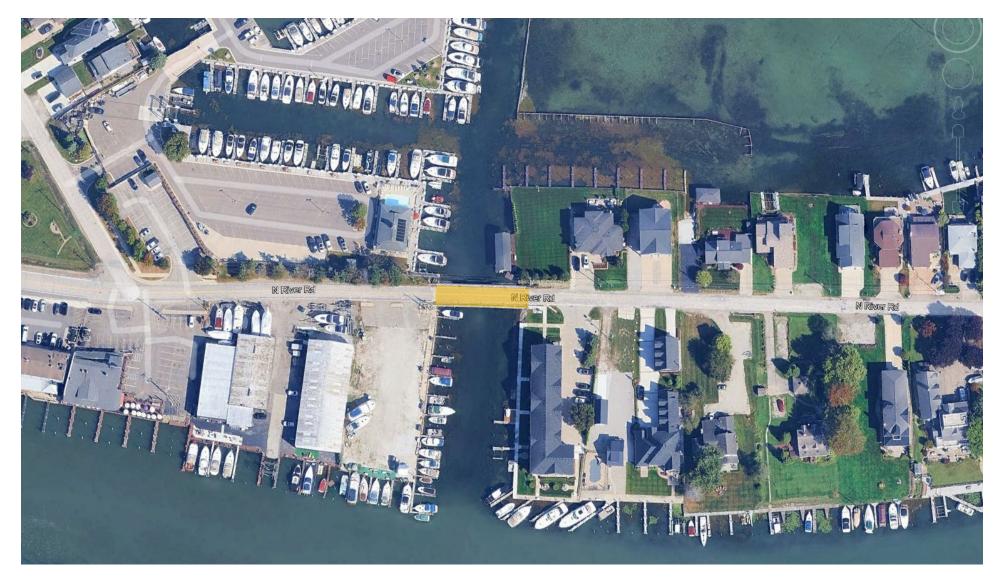
ELEVATION



TEMPORARY BRIDGE



CONSTRUCTION - COMING SOON





HNTB

Thank-you to Adam Newton



ANY QUESTIONS

