

Bridging the Future: I-74 Mississippi River Bridge Project

March 2019



Introductions



George Ryan, PE

I-74 Corridor Manager / Vice President

- 7 years with Wood
- Former Illinois DOT Deputy Director of Highways / Region 2 Engineer (central Illinois)
- Project manager for the \$500 million reconstruction of I-74 in Peoria, Illinois (2006)
- B.S. Civil Engineering, Bradley University



Wood is a global leader

Providing technical, engineering and project services to infrastructure, industrial, energy, process and utility markets.

over 160 years of experience

\$10B revenue



60,000+ people, 60 countries, 400+ offices worldwide



Bringing value across the full asset life cycle



Performance-driven solutions, from concept to decommissioning, across a broad range of markets.

Working across diverse sectors





Infrastructure

Transportation
Water
Built environment



Industrial & manufacturing

Pulp & paper Aerospace Automotive Food & beverage Life sciences



Government

Defense Marine Government agencies



Mining

Base metals
Precious metals
Industrial
minerals
Other minerals



Power

Conventional
Nuclear
Renewables
Transmission and
distribution



Oil & Gas

Upstream Midstream Downstream Chemicals







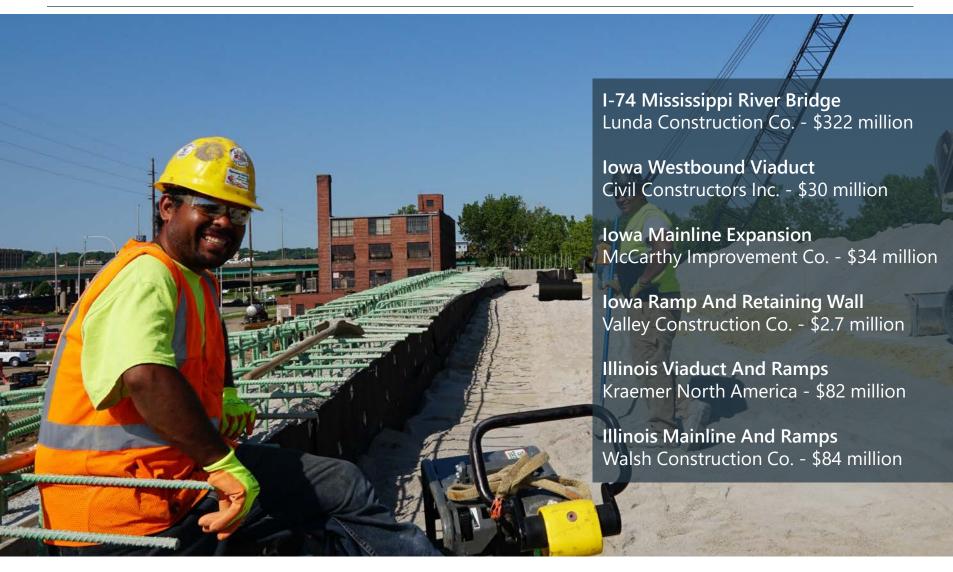
Project Leads







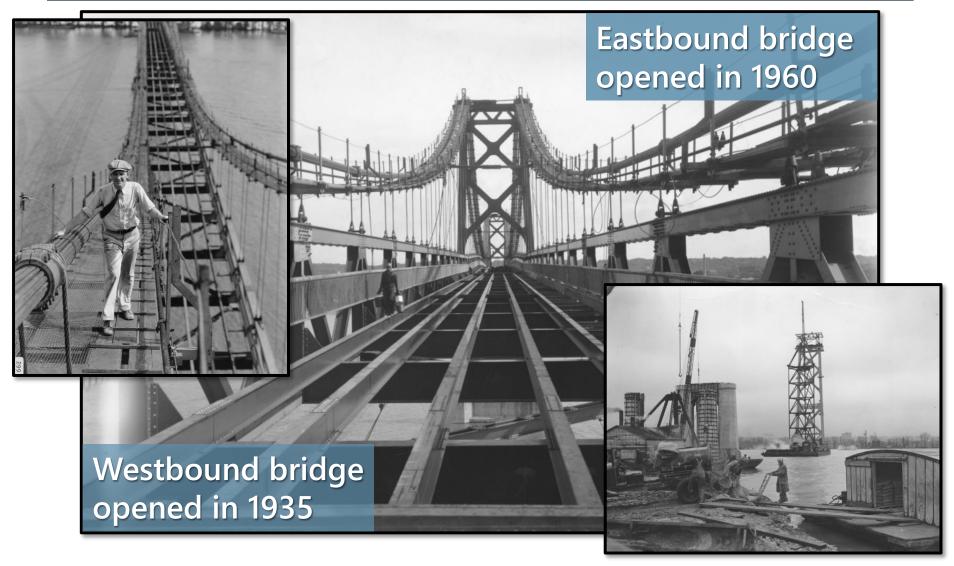
Contractors



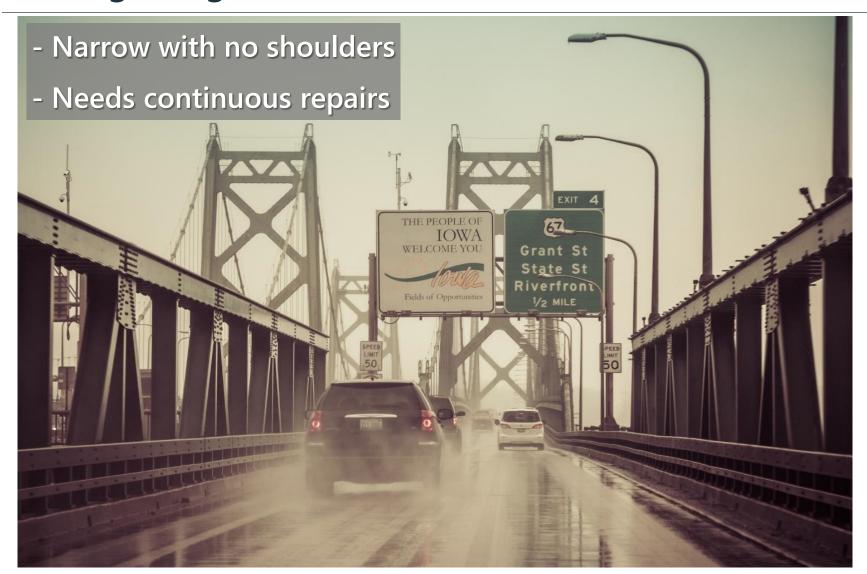
Costs and Funding



History



Existing Bridge

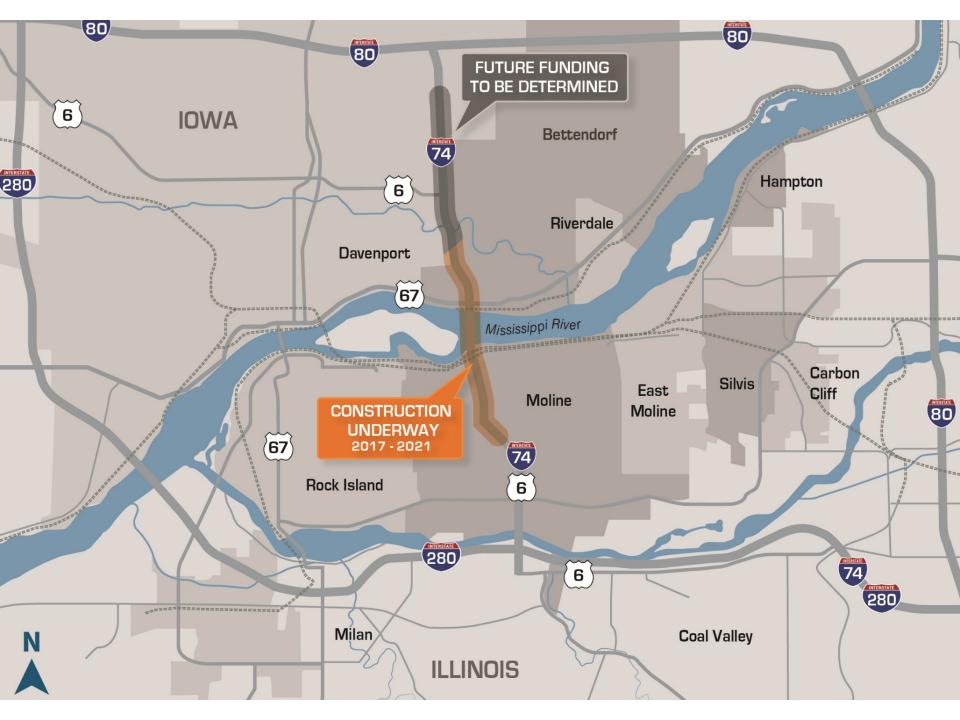


New Bridge









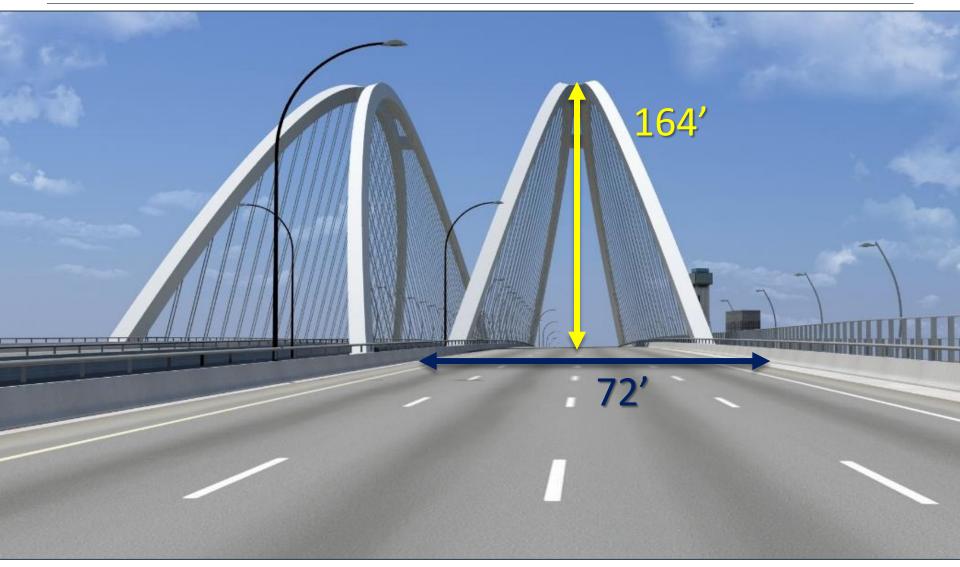
MIDDLE RD Alignment LINCOLNAD BETTENDORF MISSISSIPPI BLVD GRANT ST GRANT ST [67] **New Alignment Existing Alignment** RIVER DR AT AVE 6th AVE MOLINE 12th AVE A presentation by Wood. AVENUE OF THE CITIES

Side –by-Side Comparison





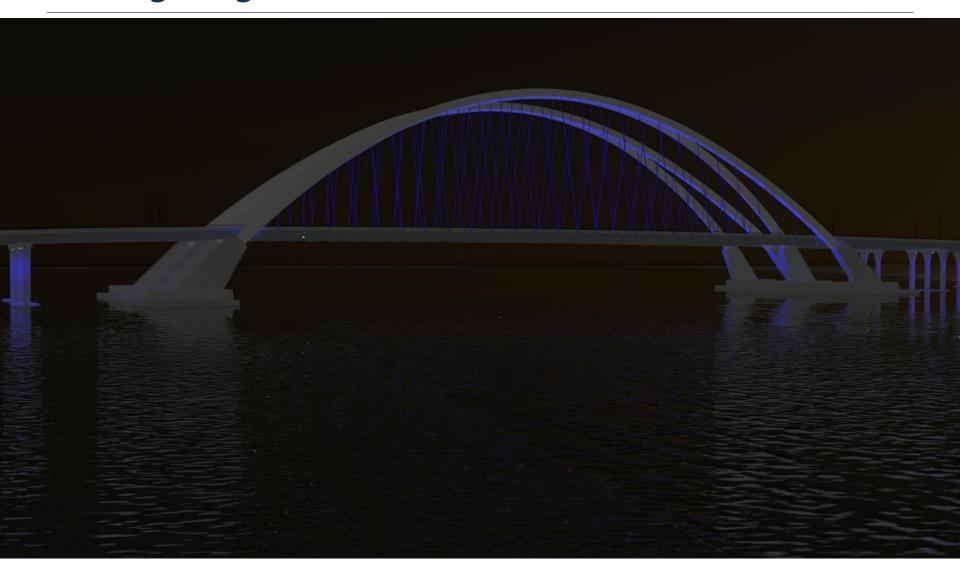
Four Lanes with Full-Width Shoulders



Arch Span



LED Lighting







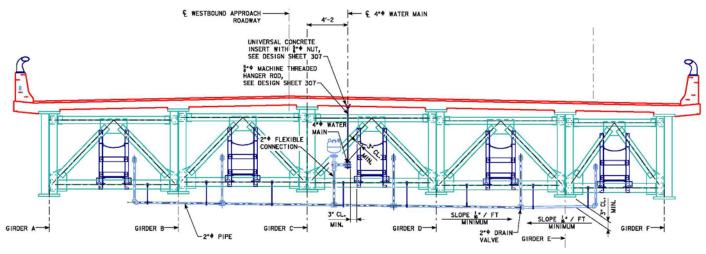
Pedestrian and Bicycle Accessibility



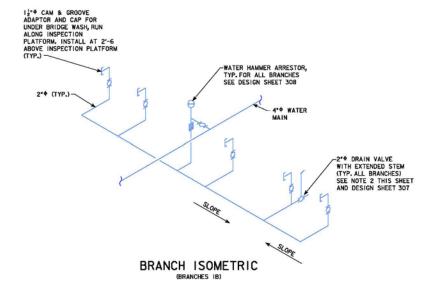
Health Monitoring System



Maintenance Waterline



SECTION AT BRANCH IB



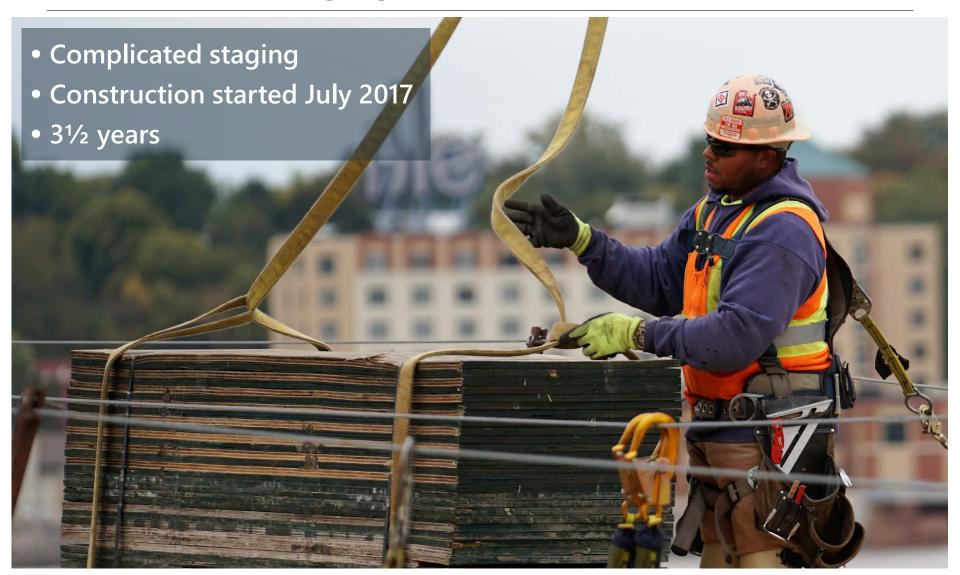
GENERAL NO

- I. 4" MAIN SHALL BE S DRAIN THE PIPE THRU DURING WINTER.
- 2. FOR BRANCHES AND E SHEETS 297 AND 298
- 3. FOR PIPING HANGER [
- 4. HOSE FOR BRIDGE WA: & GROOVE TYPE COUF SEE DETAIL ON DESIG

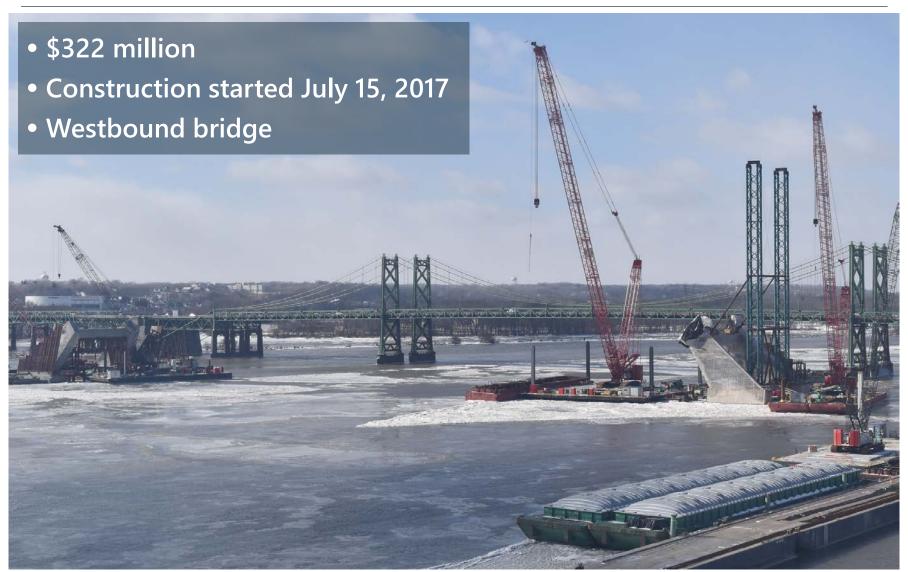




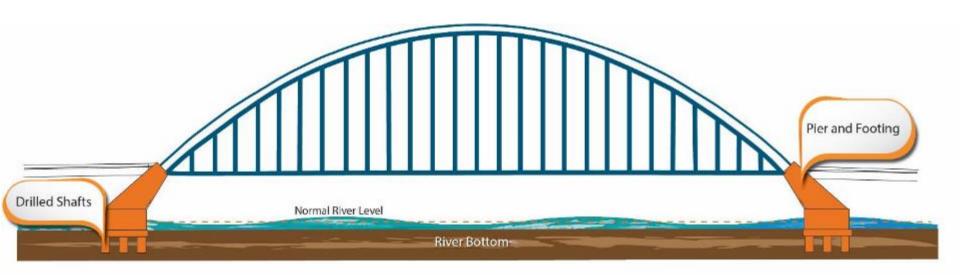
Construction Staging



River Bridge – Lunda Construction Co.

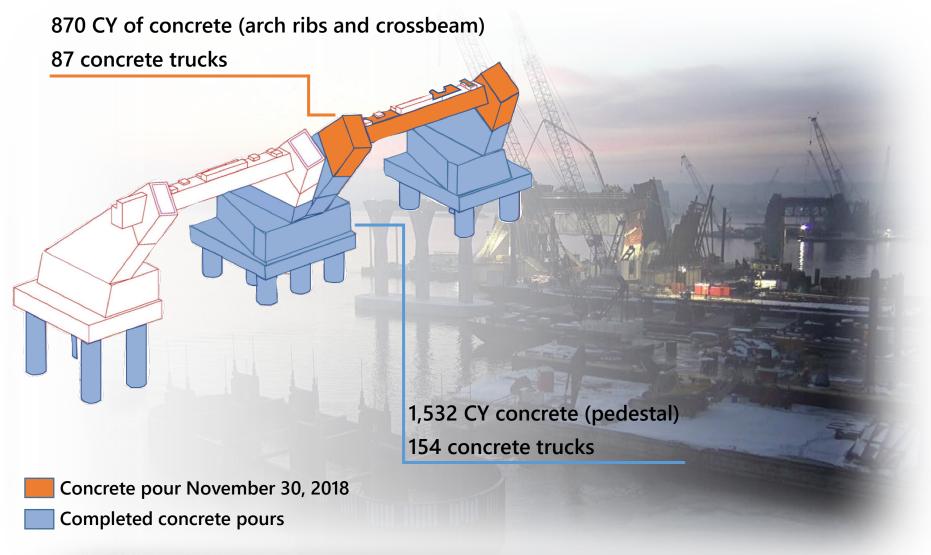


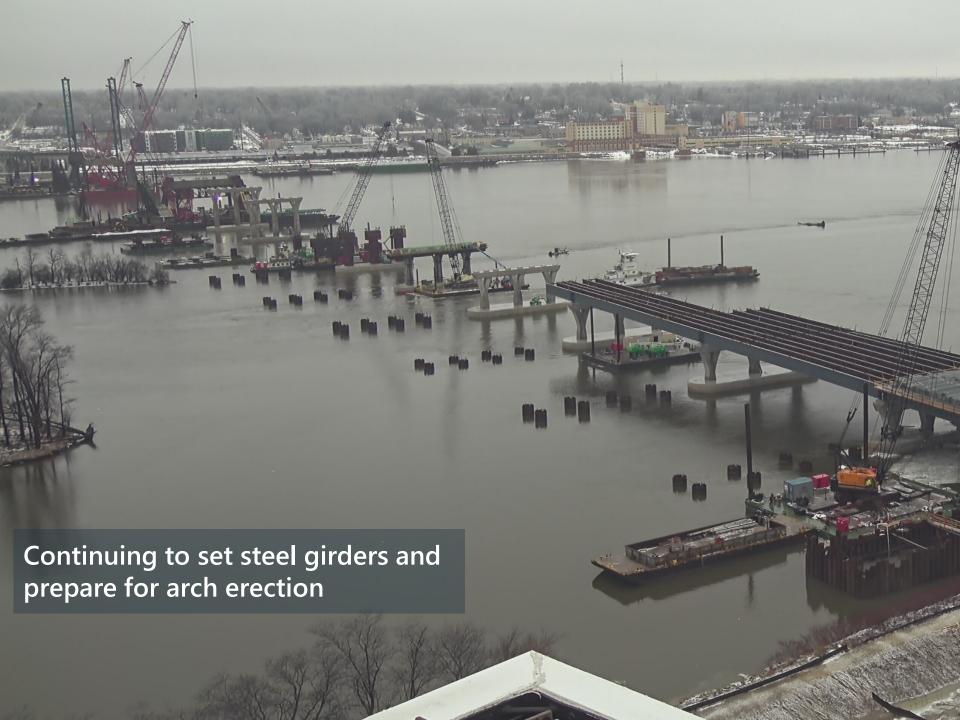
Shafts and Footings





Concrete Pour

















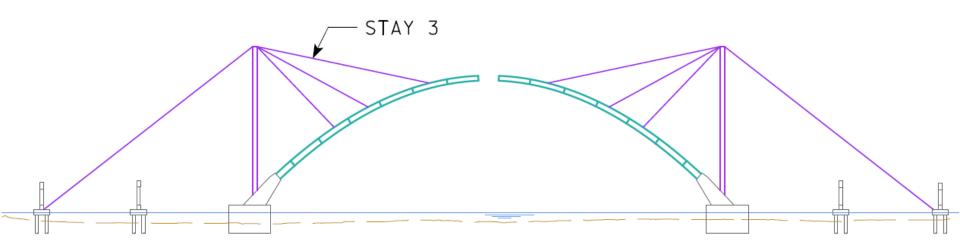








Stay Installation



INSTALL AND STRESS STAY 3

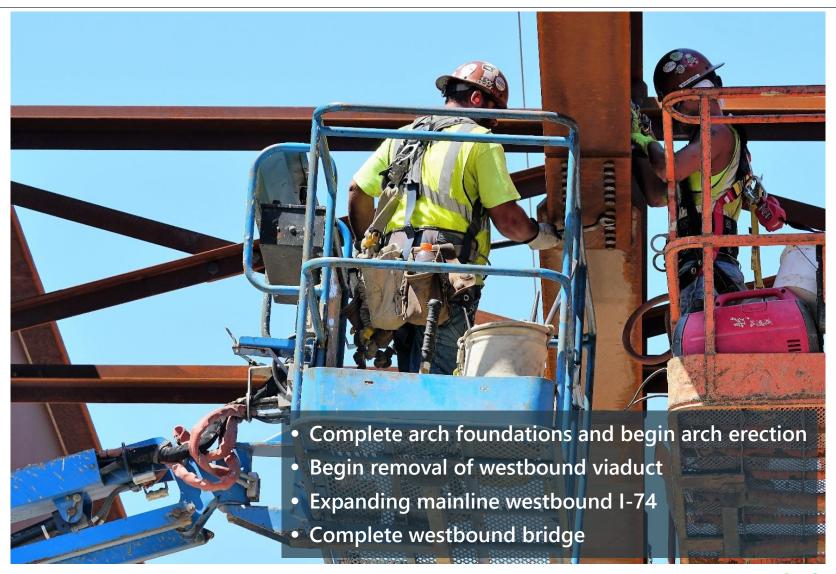
STAGE 13





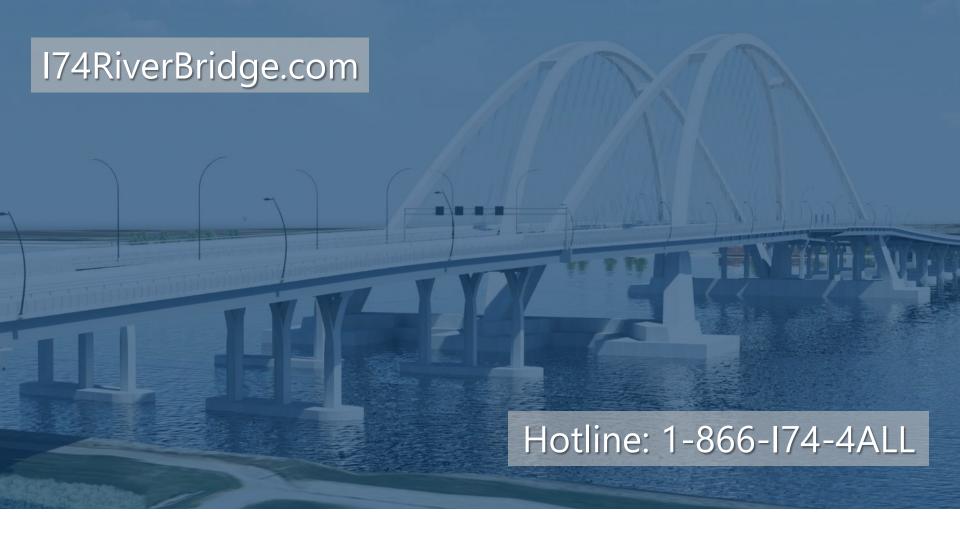


Next Steps



2021 – Bridge Removal





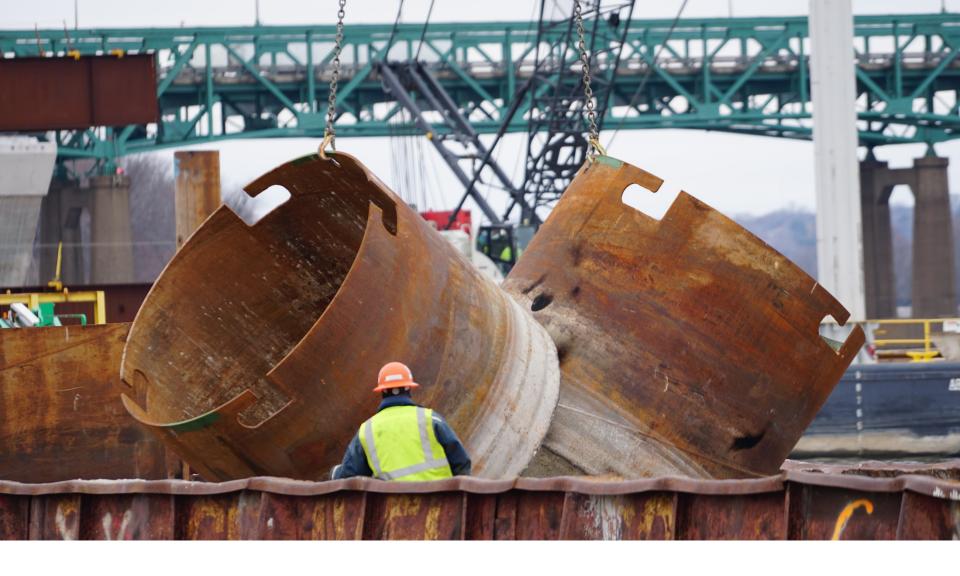






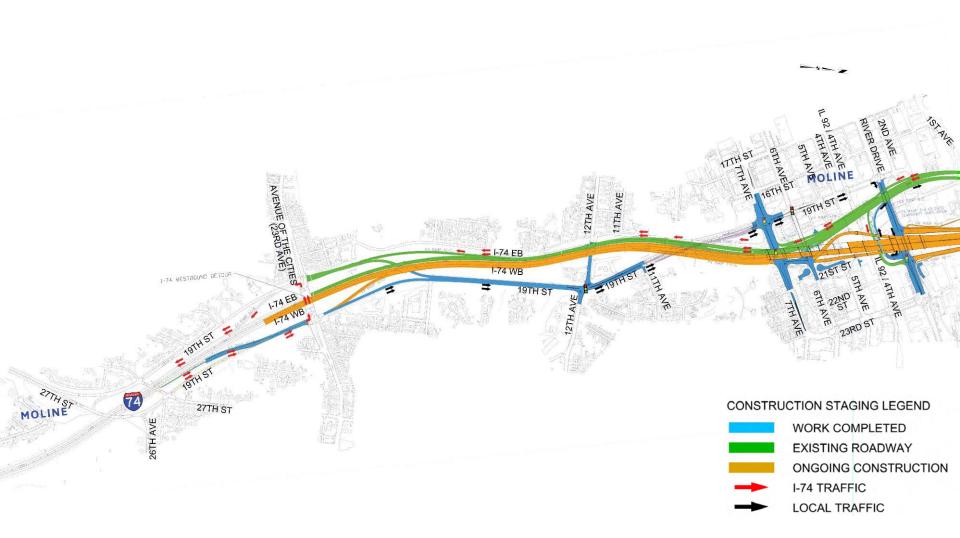


@I74RiverBridge



Questions?

2019 Construction Staging – Illinois



2019 Construction Staging – Iowa

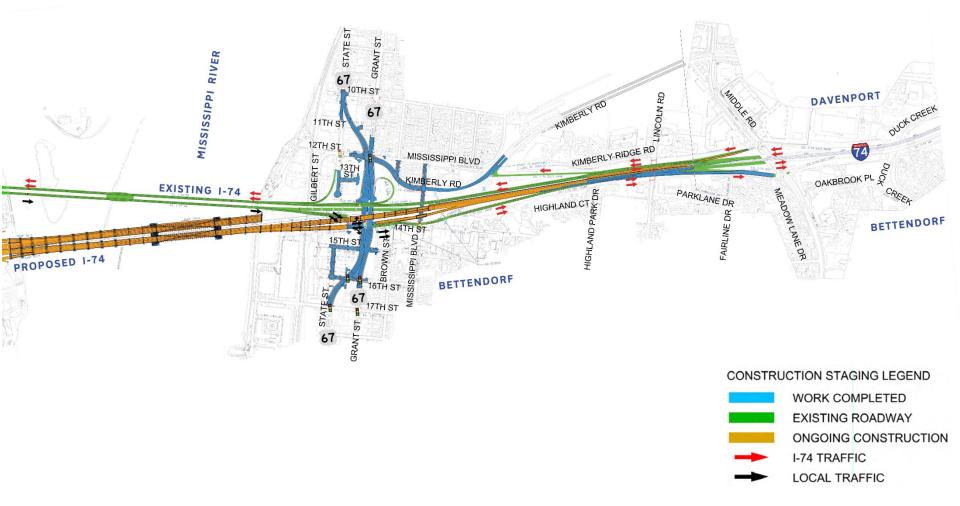
Kimberly Road - Stage 2A

Westbound Local Traffic Management

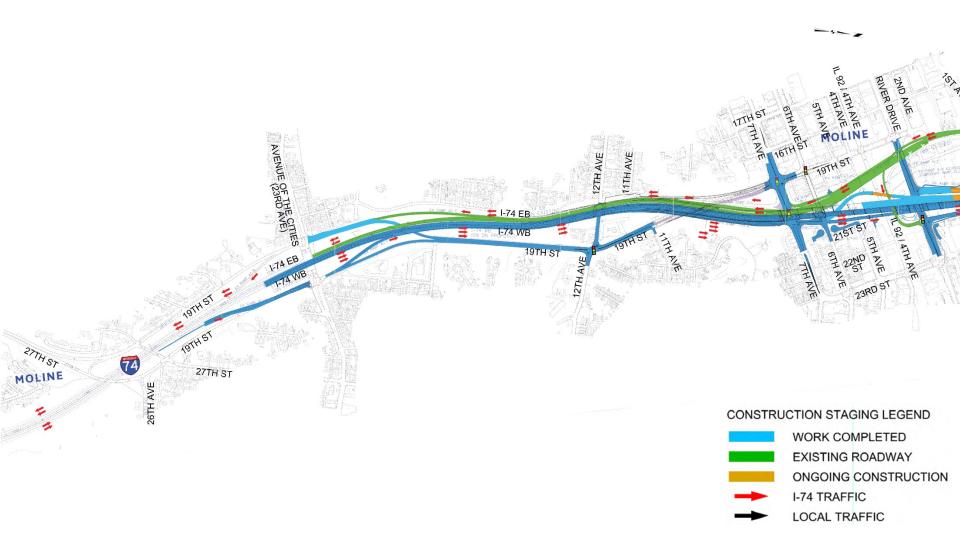


2019 Construction Staging – Iowa

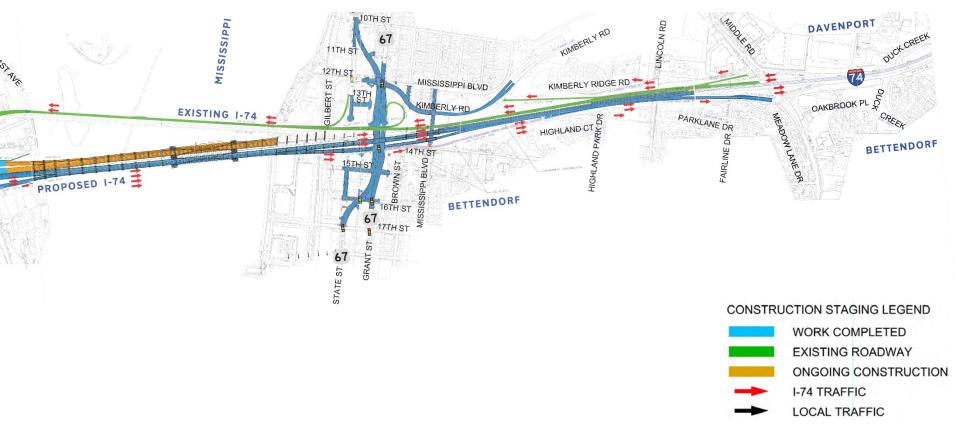
Stage 2B



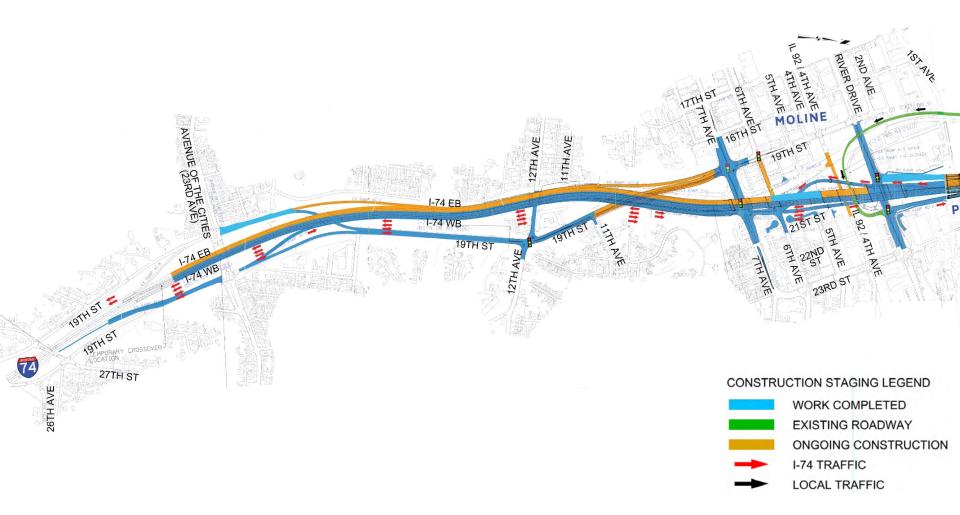
Winter 2019/2020 Construction Staging – Illinois



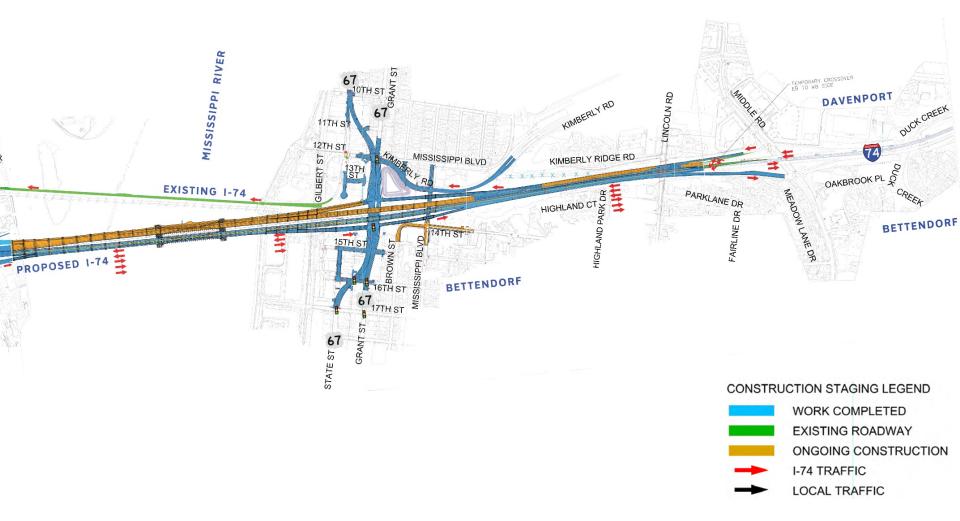
Winter 2019/2020 Construction Staging – Iowa



2020 Construction Staging – Illinois



2020 Construction Staging – Iowa





Thank you

For more information:

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