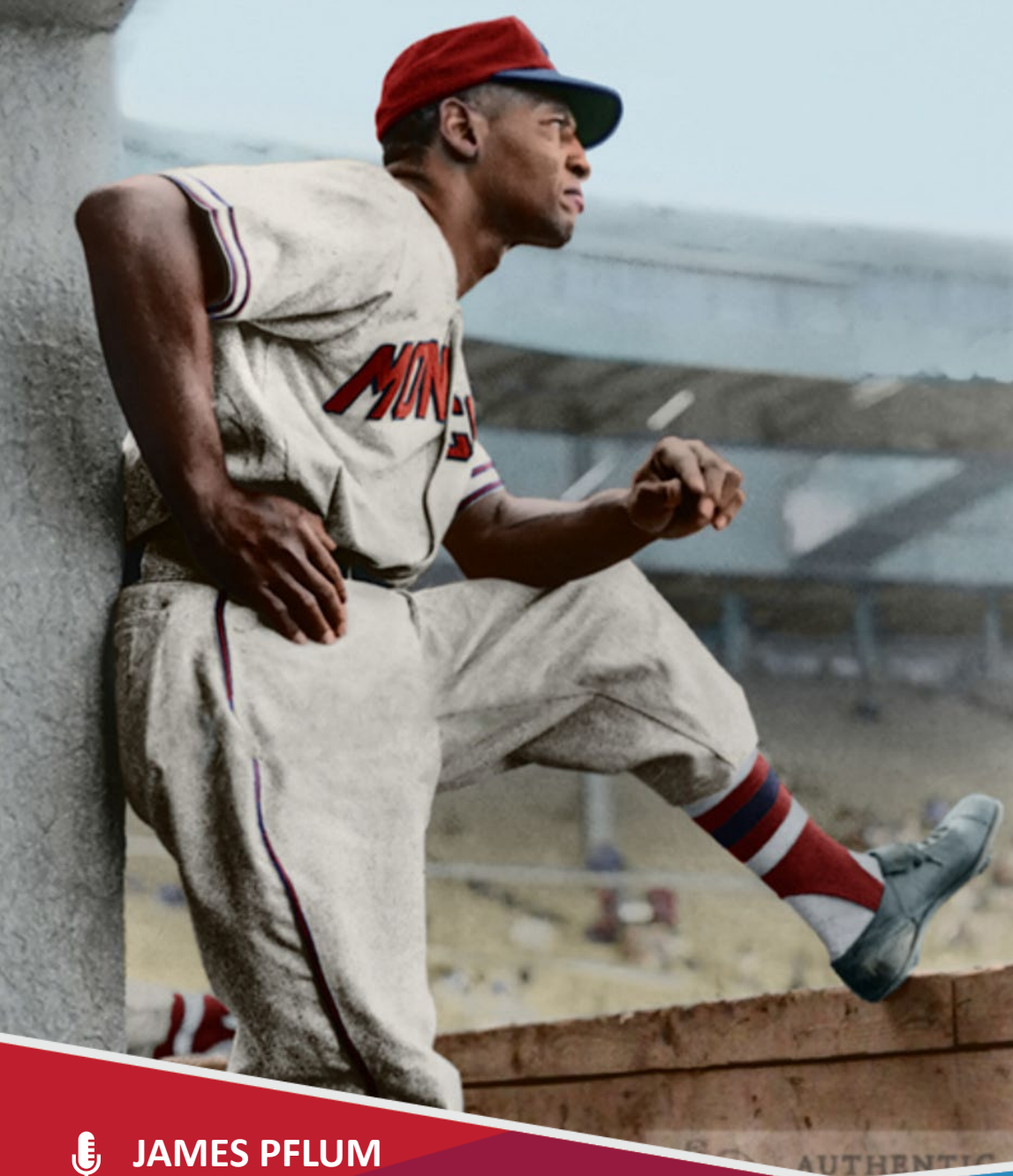




The Buck O'Neil Bridge Replacement Project



JAMES PFLUM
Project Director

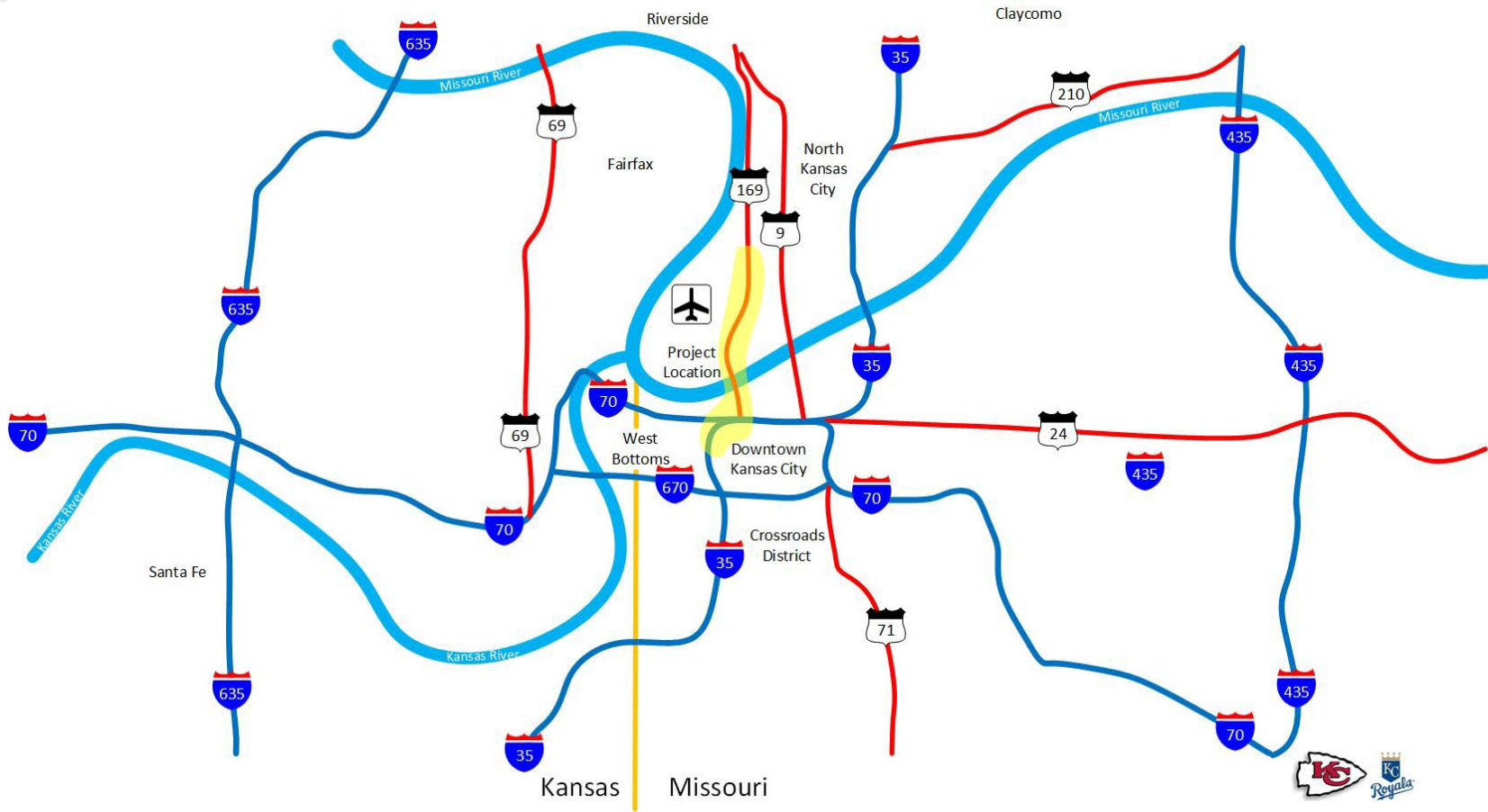
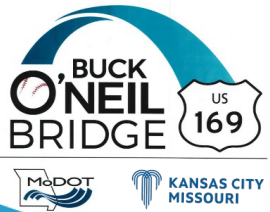


JAMES PFLUM
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT



PROJECT LOCATION



JAMES PFLUM
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

HISTORY OF AREA



JAMES PFLUM
Project Director

HISTORY OF AREA



JAMES PFLUM
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

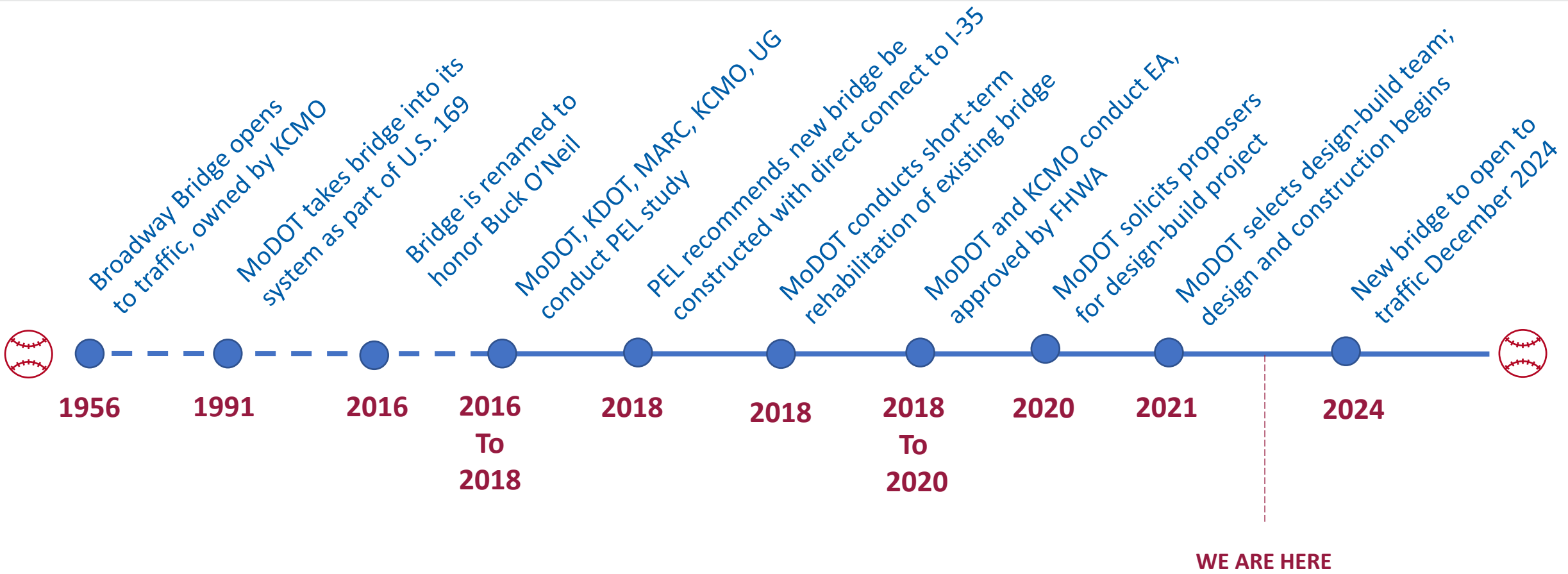
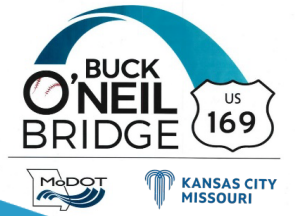
HISTORY OF AREA



JAMES PFLUM
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

PROJECT TIMELINE



 **JAMES PFLUM**
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

PROJECT TIMELINE



PEL Study

- Completed April 2018

Environmental Assessment

- Completed May 2020

Needs:

- New Missouri River Bridge
- Direct Connections between I-35 and US-169
- Connection to City street network
- Bike/Ped Connection across the river
- Completion 2024



PARTNERSHIPS



\$25 million
BUILD grant



\$112.5 million



**KANSAS CITY
MISSOURI**

\$72.5 million
GO Bonds



\$40 million
STP-2yrs MO Counties



JAMES PFLUM
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

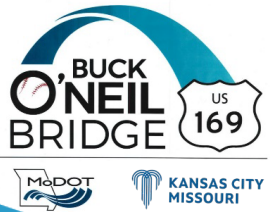
DESIGN-BUILD AT MODOT



JAMES PFLUM
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

WHY DESIGN-BUILD ON BUCK?

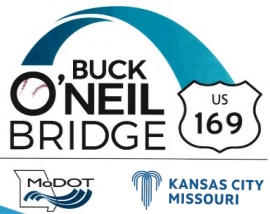


- MoDOT performs a Project Delivery Determination on all potential DB jobs
- PDD will look at Risks on the job and who should own that risk
- Group is made up of several people from within MoDOT

- Had to look at many aspects of job
- Third Party Groups
 - Right-Of-Way
 - Innovation for traffic and bridges
 - Schedule Risks
 - Maintenance of Traffic
 - Aesthetics
 - BUILD Grant



PROJECT GOALS



Construct a new Missouri River Bridge that can be reasonably maintained and will provide a century of service within the program budget.



Provide a safe, connected and accessible transportation facility that improves system performance.



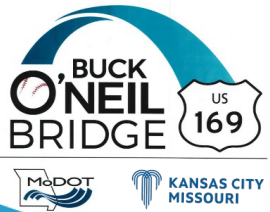
Minimize the impact to the traveling public during construction.



Complete the project by December 1, 2024, utilizing a diverse workforce.



PROPOSING TEAMS



American Bridge



Major Participants: American Bridge Company
Parsons Transportation Group
Radmacher Brothers Excavating Company, Inc.

Massman-Clarkson Joint Venture



Major Participants: Massman Construction Company
Clarkson Construction Company
HNTB Corporation

Traylor Ames Joint Venture



Major Participants: Traylor Bros., Inc.
Ames Construction, Inc.
Jacobs Engineering Group, Inc.
Garver, LLC.



JAMES PFLUM
Project Director

PROJECT SCOPE



- 2 River Bridge Structures
 - 2 lanes NB and SB
 - 10' Shared Use Path
- Downtown Airport Access Improvements
- Direct connections from US 169 and I-35
- Construction Closures
 - SB 169 – 616 Days
 - NB 169 – 0 Days
- Completion Date – December 1, 2024



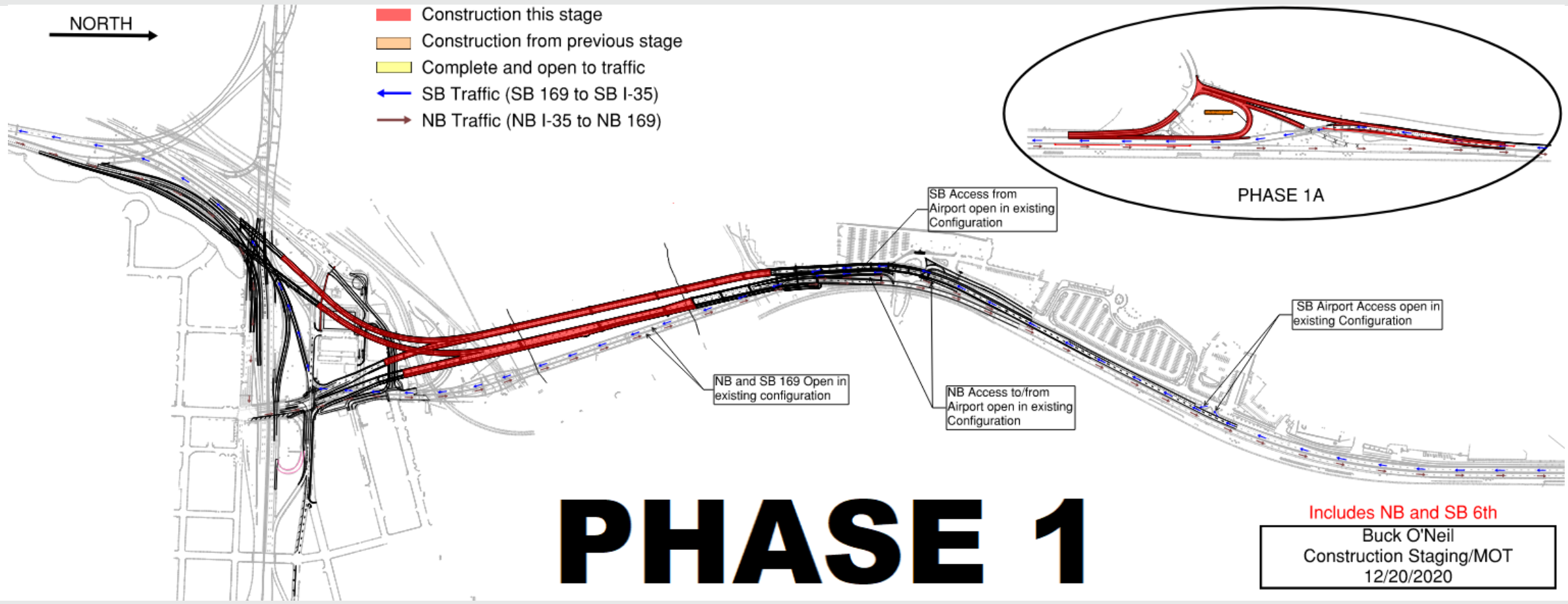
URBAN DESIGN



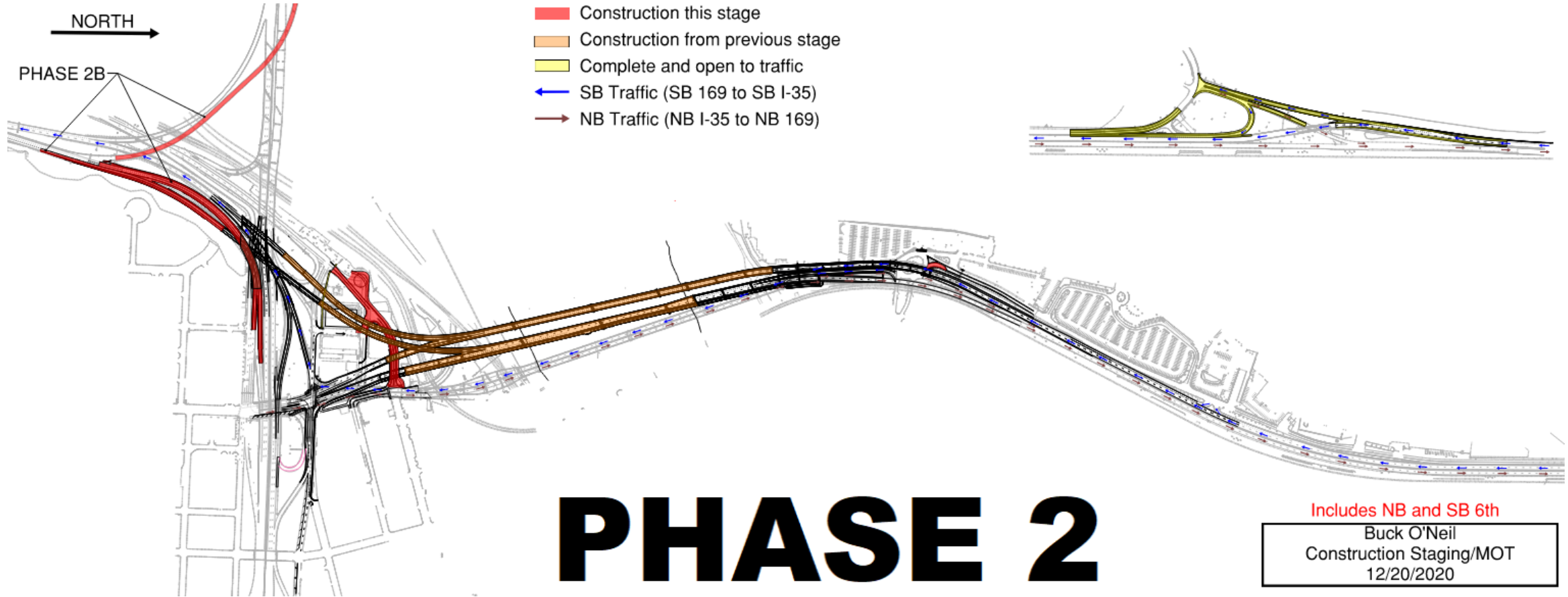
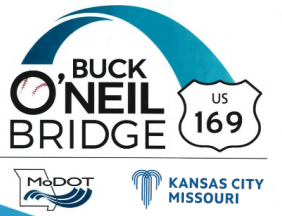
- Aesthetic Lighting on River Bridge
- 10' Shared Use Path from Richards Road to Riverfront Trail
- Overlook at center of bridge with bench
- Enhanced Bridge Railing
- Murals on piers and MSE wall along 3rd St.
- Decorative Form Liners on Walls
- Ornamental tree planting



CONSTRUCTION ACTIVITIES - 2021



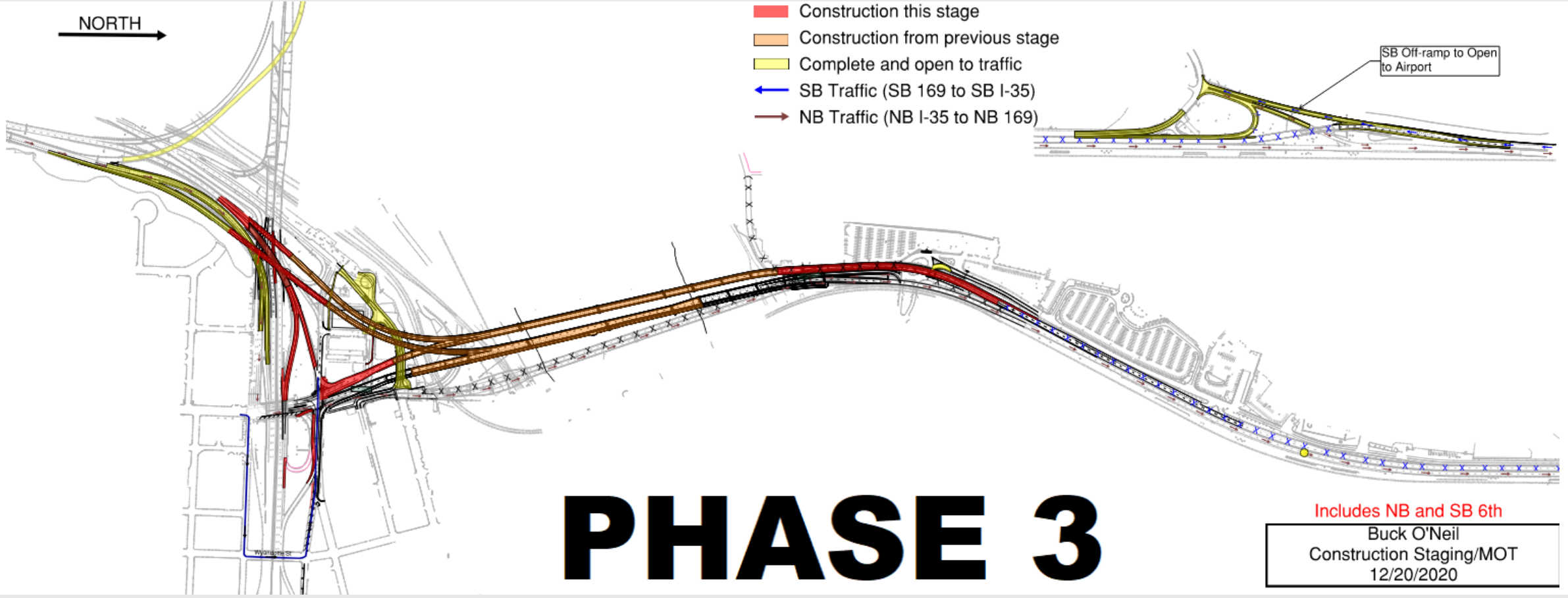
CONSTRUCTION ACTIVITIES - 2022



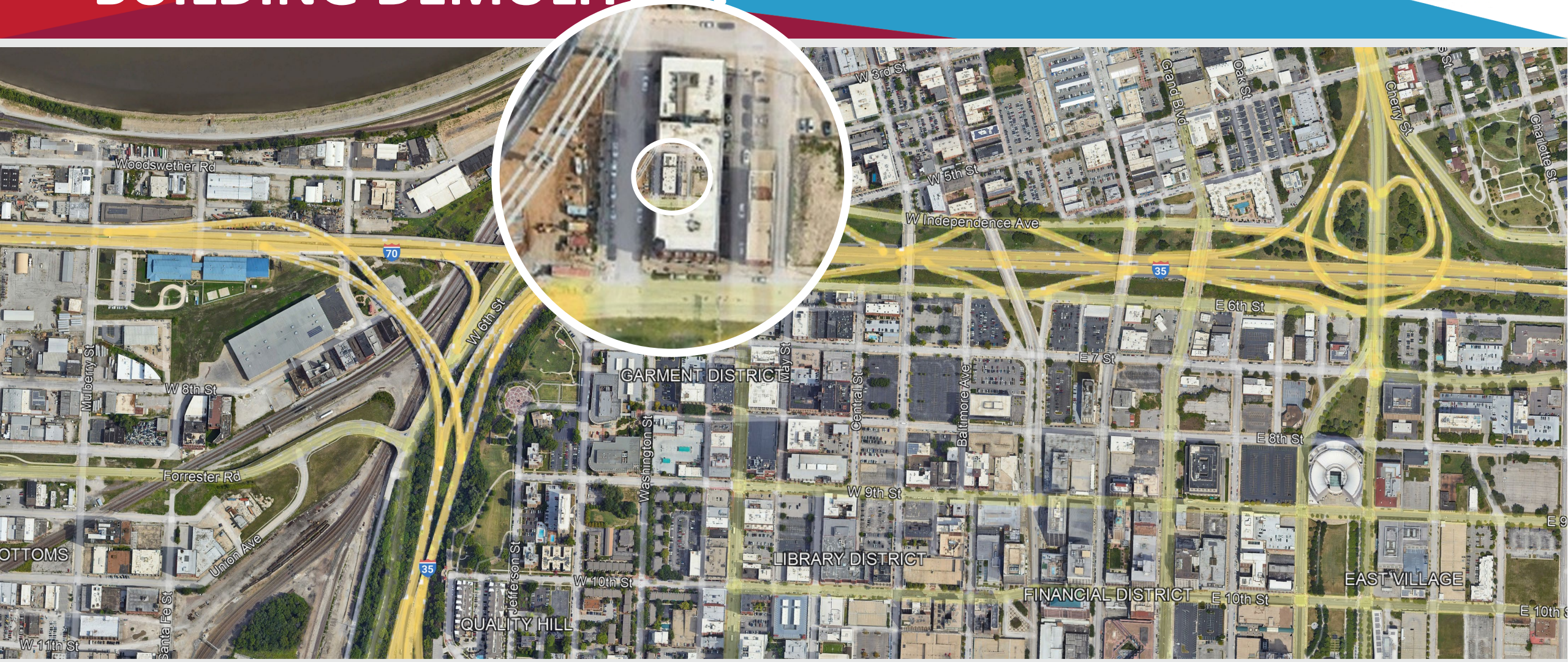
PHASE 2

Includes NB and SB 6th
Buck O'Neil
Construction Staging/MOT
12/20/2020

CONSTRUCTION ACTIVITIES - 2023



BUILDING DEMOLITION



JAMES PFLUM
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

BUILDING DEMOLITION



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BUILDING DEMOLITION



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BUILDING DEMOLITION



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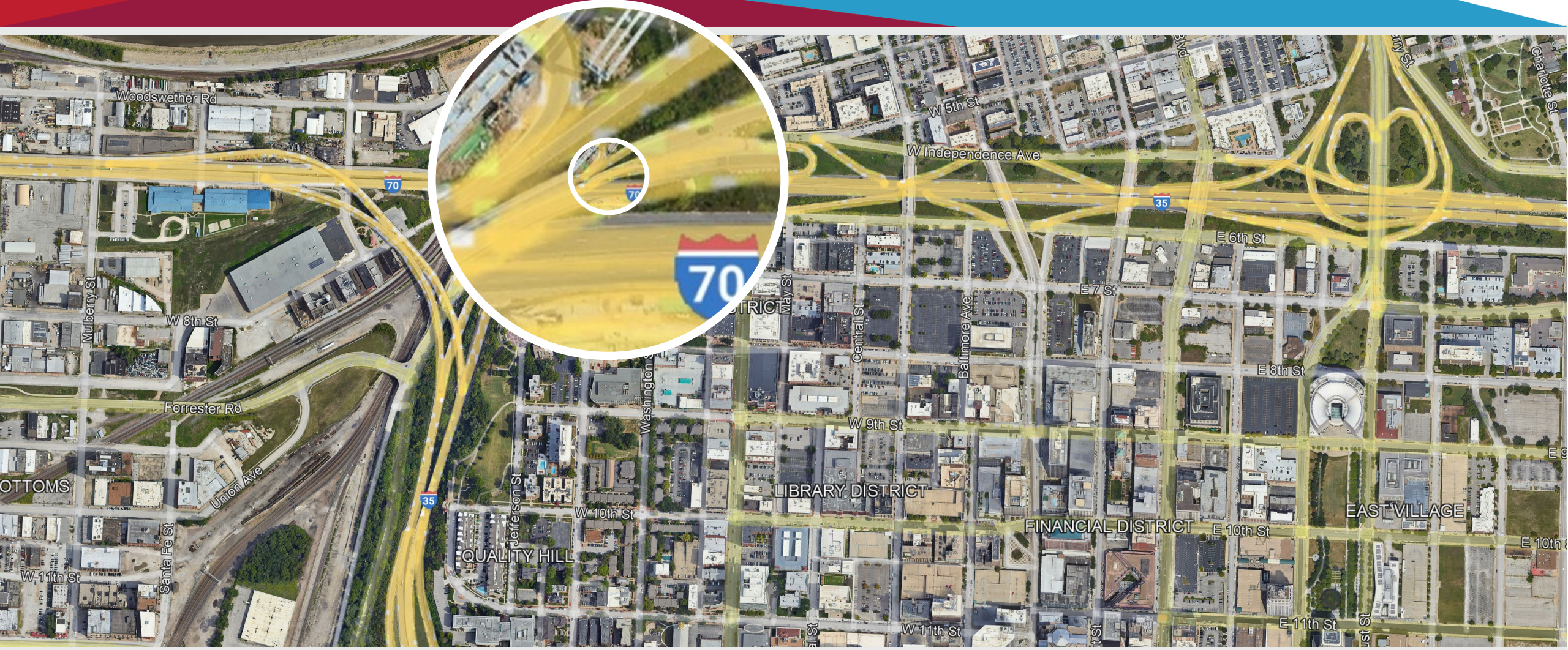
BUILDING DEMOLITION



JAMES PFLUM
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

BRIDGE DEMOLITION



 **JAMES PFLUM**
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

BRIDGE DEMO



JAMES PFLUM
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

CONCRETE GIRDER SETTING



VAN ROBBINS
HNTB Bridge

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

CONCRETE GIRDER SETTING



CONCRETE GIRDER SETTING



CONCRETE GIRDER SETTING



RIVER BRIDGE SUBSTRUCTURE



VAN ROBBINS
HNTB Bridge

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

RIVER BRIDGE SUBSTRUCTURE



VAN ROBBINS
HNTB Bridge

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

RIVER BRIDGE SUBSTRUCTURE



RIVER BRIDGE SUBSTRUCTURE



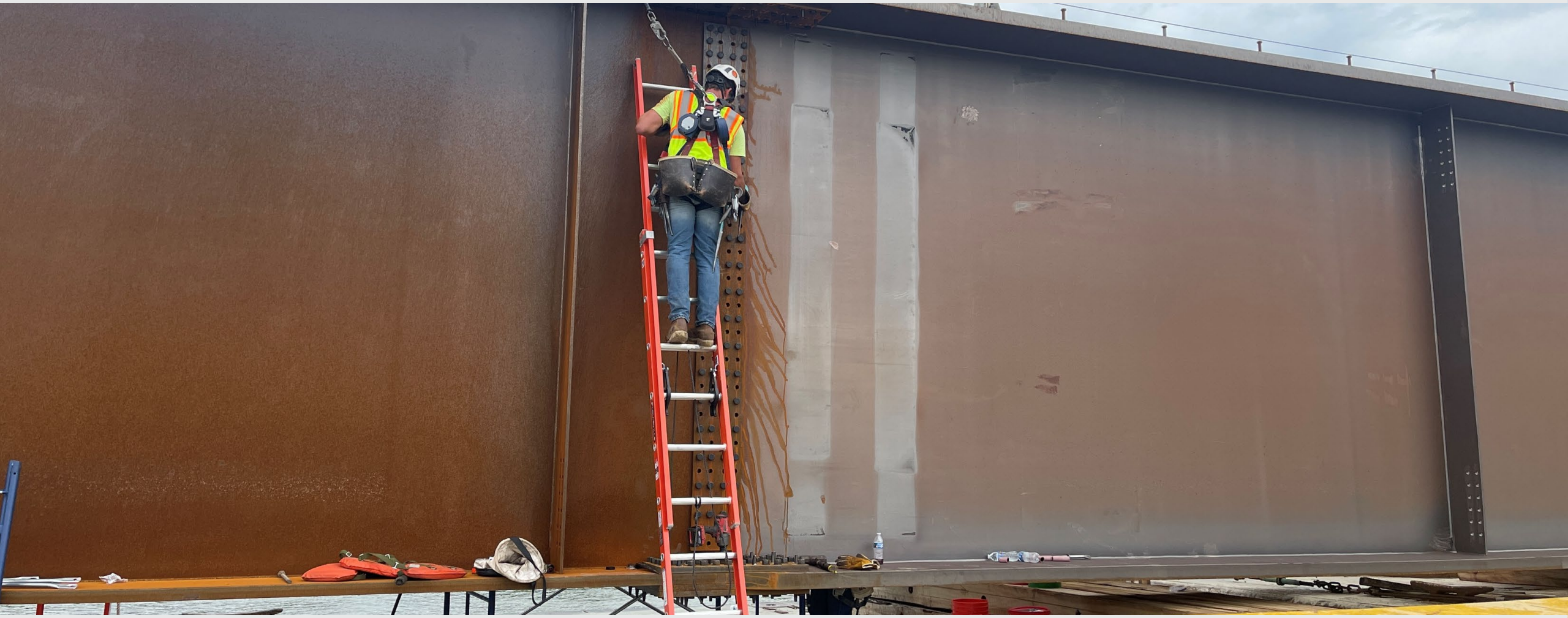
STRUCTURAL STEEL PLACEMENT



VAN ROBBINS
HNTB Bridge

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

STRUCTURAL STEEL PLACEMENT



STRUCTURAL STEEL PLACEMENT



STRUCTURAL STEEL PLACEMENT



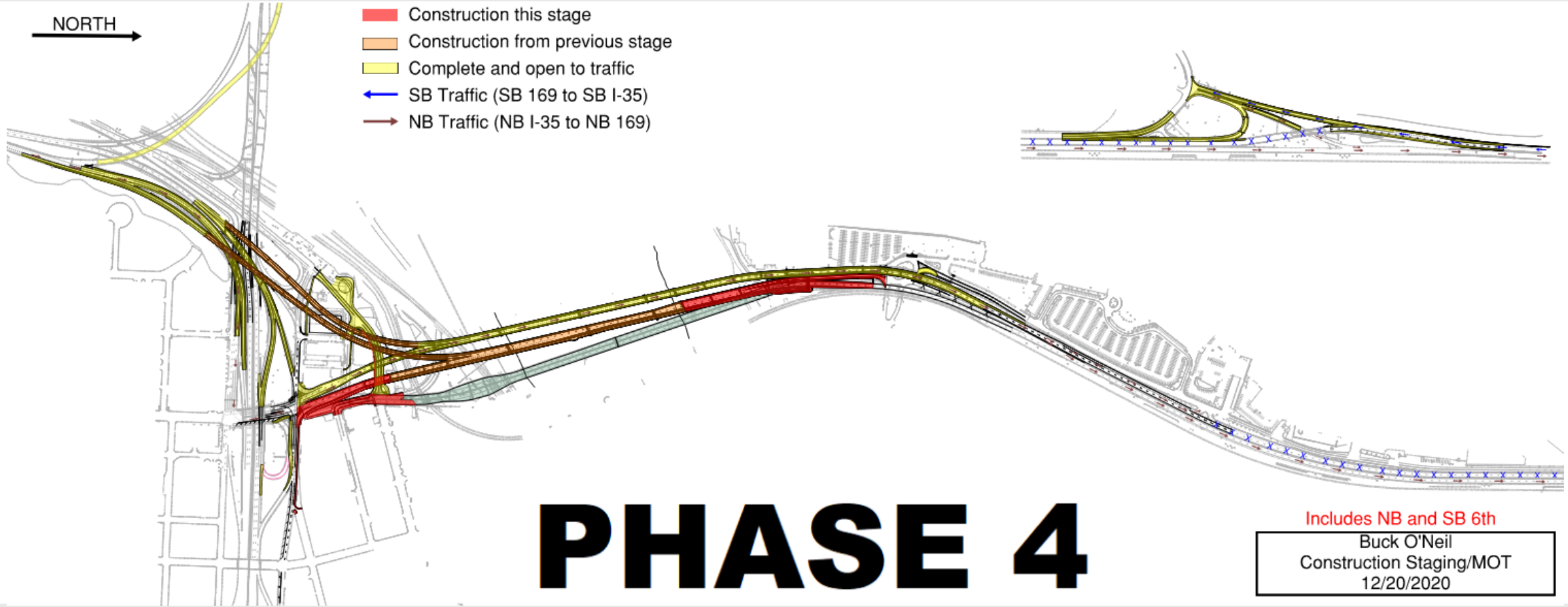
STRUCTURAL STEEL PLACEMENT



VAN ROBBINS
HNTB Bridge

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

CONSTRUCTION ACTIVITIES - 2024



Includes NB and SB 6th
Buck O'Neil
Construction Staging/MOT
12/20/2020

 **JAMES PFLUM**
Project Director

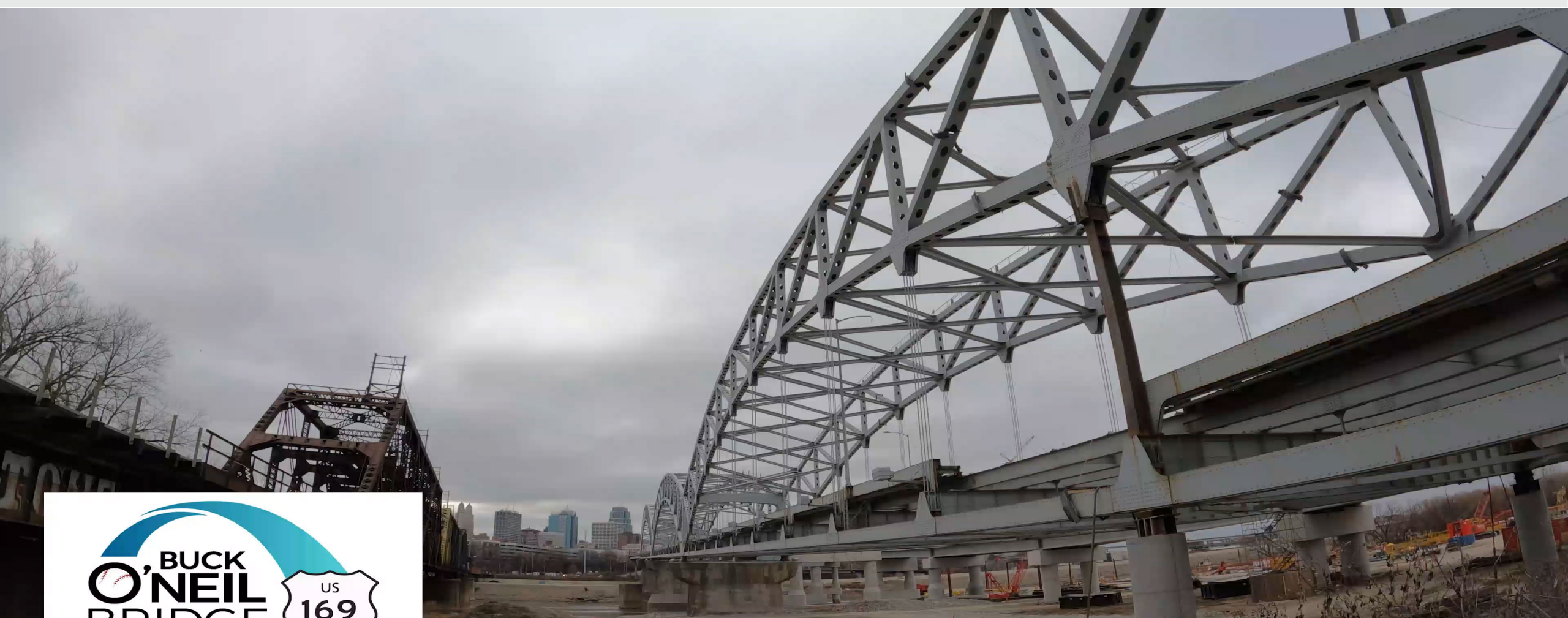
THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

CONSTRUCTION ACTIVITIES - 2024



James Pflum
Project Director

ARCH DEMOLITION



James Pflum
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

CONSTRUCTION ACTIVITIES - 2024



James Pflum
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT

CONSTRUCTION ACTIVITIES - 2024



James Pflum
Project Director

THE BUCK O' NEIL BRIDGE REPLACEMENT PROJECT



Questions?



JAMES PFLUM
Project Director