



**I-29/I-35 Viaduct Bridges
Replacement Project in
Jackson and Clay Counties**

I-29/35 Viaduct Bridges Replacement in Jackson and Clay Counties

Contractor Review at 30% on June 23, 2026

In Partnership with:



Project Partners

Design Team:

- HDR
- Hg Consult
- HNTB

In Partnership with:



Agenda



I-29/I-35 Viaduct Bridges
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- Introductions
- Project Area, and Overview (Thankam Mathew)
- Project Background, Description and Scope (Chad Hall)
- Construction, MOT Plans, Plan Sheets, Coordination (Chad)
- Timeline and 30% Plan Sheets (Thankam)
- Questions?

In Partnership with:



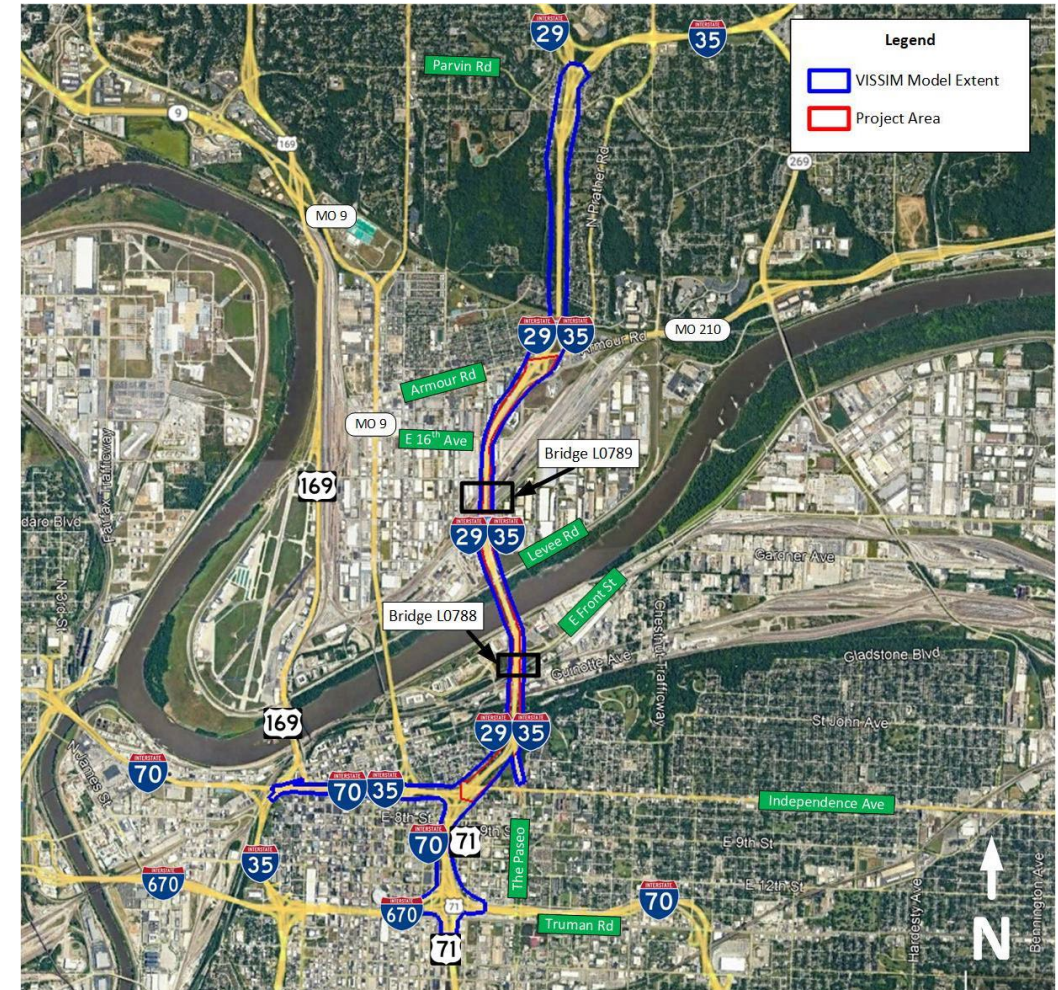
Project Area



I-29/I-35 Viaduct Bridges Replacement Project in Jackson and Clay Counties

A conceptual study was performed to determine the need to rehabilitate or replace the existing viaduct structures on I29/I-35 north and south of the River. The project design will be completed in two phases, the Preliminary Plan phase (1) and the Right-of-way and Final Plans phase (2). There will then be the Construction phase of the project.

The project is currently in the first phase which involves developing the replacement bridge layouts and determining any safety and operational improvements within the project limits.



In Partnership with:



Project Background

The goal of this project is to **replace the viaducts which carry NB and SB traffic over railroads and local streets just north and south of the river.**

While the **existing bridges** are safe to use, they are deteriorating, **nearing the end of their useful life** and in need of replacement.

MoDOT took the opportunity to study operational and safety improvements that could be implemented as part of this bridge replacement project for **current and future traffic growth including consideration of the new CPKC Stadium.**

The improvements to be implemented include **wider shoulders, lengthening and addition of auxiliary lanes, improved NB off-ramp to Front St. and a 4th SB lane south of Front St.**



Project Description and Scope



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- Roadway
- Bridge Layout and Railroad Coordination
- Utility Coordination
- Maintenance of Traffic

In Partnership with:



Construction Phase



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- Four-year process
 - I-29/35 will remain Open through Construction
 - Attempt to limit ramp closures to minimize traffic impacts
- Benefits following construction:
 - Space allowed for new Levee Rd. trail for North Kansas City
 - Improved traffic flow and safety measures

In Partnership with:



Maintenance of Traffic

I-29 Ramp Closure by Construction Stage		
Ramp	Year Closed	Remarks
1	Years 2-4	From NE corner of loop. EB 35 to NB 29 ramp will be closed
2	Year 1	Closed for NB outside construction
3	Year 1	Closed for NB outside construction
4	-	Open during construction
5	-	Open during construction
6	Years 1-3	NB outside construction Year 1, staging area needed Years 2-3
7	Year 1	Closed for NB outside construction
8	Years 1-4	Closed during construction, no width for safe merging distances
9	Year 2	Possibility for shorter term sub-phasing closure if departure angles are ok
10	-	Open during construction
11	-	Open during construction
12	Year 2	Closed for SB outside construction
13	Year 1	Closed Year 1 for the 11th and 12th Street bridge replacements over U.S. 71. Ramp 1 will be detour.



Project Timeline



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Milestone	2026	2027	2028	2029	2030	2031	2032
Public Involvement	●	●					
Letting			●				
Right-of-Way Plans	●						
Final P, S & E		●					
Construction				■	■	■	■

In Partnership with:



30% Plan Sheets



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- Preliminary Roadway
- Preliminary Bridge
- Plan View
- Right-Of-Way

Additional items for early planning:

- Railroad Coordination – Ongoing
 - All four railroads:
 - Are part of this project
 - Are requiring separate training/cards
 - Have agreed to the same PPE requirements (ANSI/ISEA Class II or III compliant Hi-Vis orange vests and hard hat).
- Utility Coordination – Ongoing
- Flagging Cost/Requirements

Project Page and Contact



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Visit the project webpage for more information by scanning the QR code.

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In Partnership with:

