



SR 163 over Brouilletts Creek Public Meeting

VERMILLION COUNTY | DES. NO. 1701589

BRIDGE NO. 163-83-01393A (NBI NO. 28420)

JUNE 15, 2023 | 5:30 – 7:00 P.M., PRESENTATION AT 6:00 P.M.

SOUTH VERMILLION HIGH SCHOOL



PRESENTERS

Mindy Peterson

Public Involvement Director, Parsons

Sean Porter

Project Manager, Parsons



AGENDA TOPICS

1. Project Overview
2. What We Heard
3. Revised Preferred Alternative
4. Bridge Improvements



Project Overview



PROJECT LOCATION



PURPOSE AND NEED

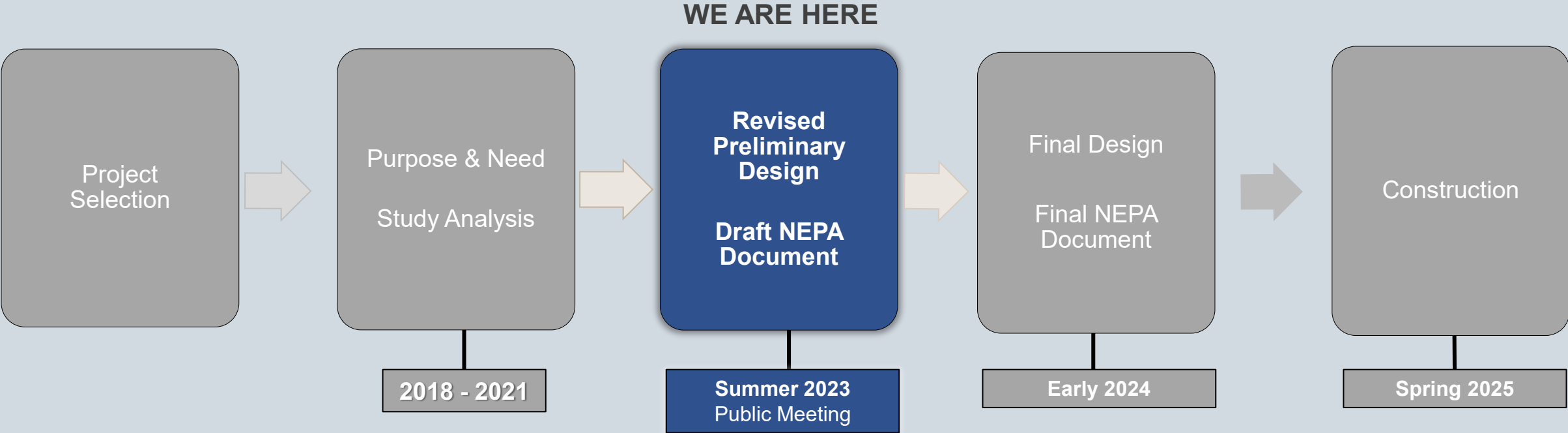
- **Purpose:**
 - Maintain a crossing of SR 163 over Brouilletts Creek with an overall condition of at least 7 out of 9 (good condition)
 - Provide a minimum HS-15 (27 tons) load rating
- **Need:**
 - Deteriorating condition
 - Doesn't meet design standards for load rating
 - Numerous vehicle-bridge collisions

Achieving these goals should extend the remaining life of the structure by a minimum of 30 years.



PROJECT DEVELOPMENT PROCESS

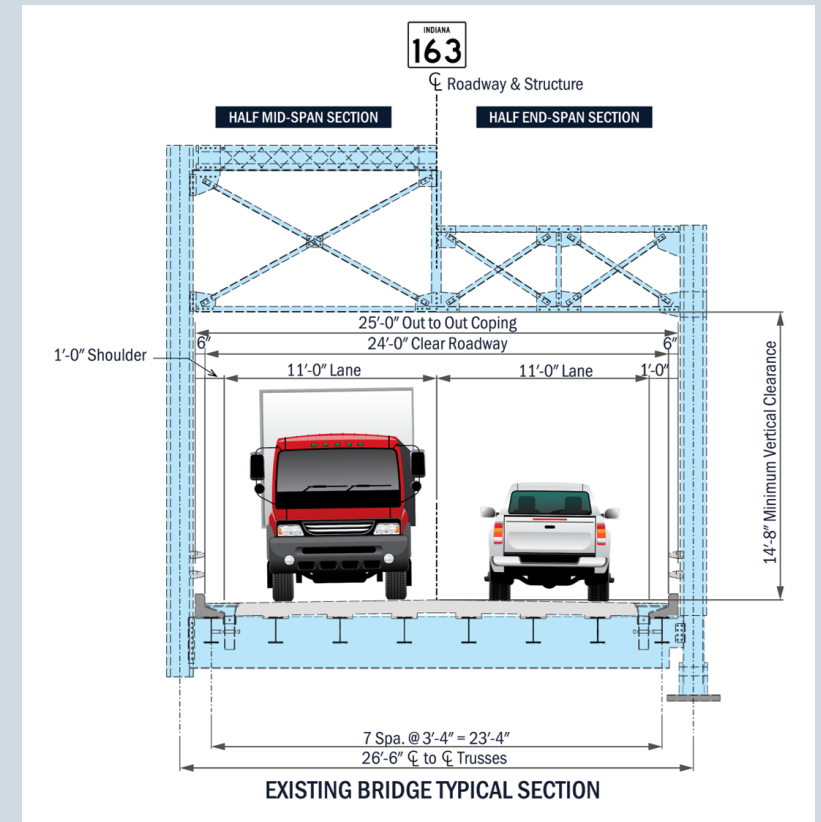
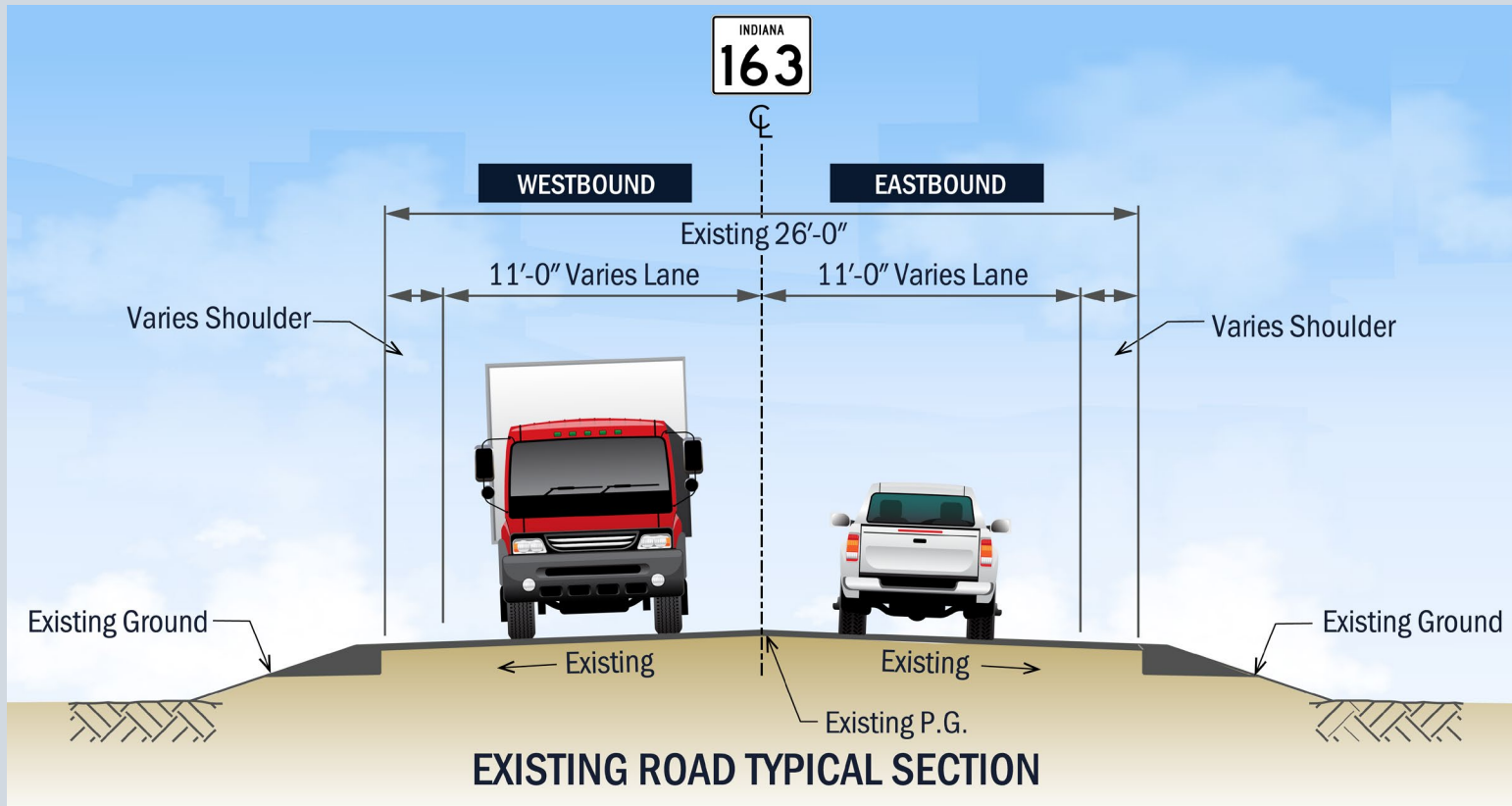
Environmental Document – Categorical Exclusion Level 4 (CE-4)



Public Involvement occurs throughout the process.



EXISTING CONDITIONS

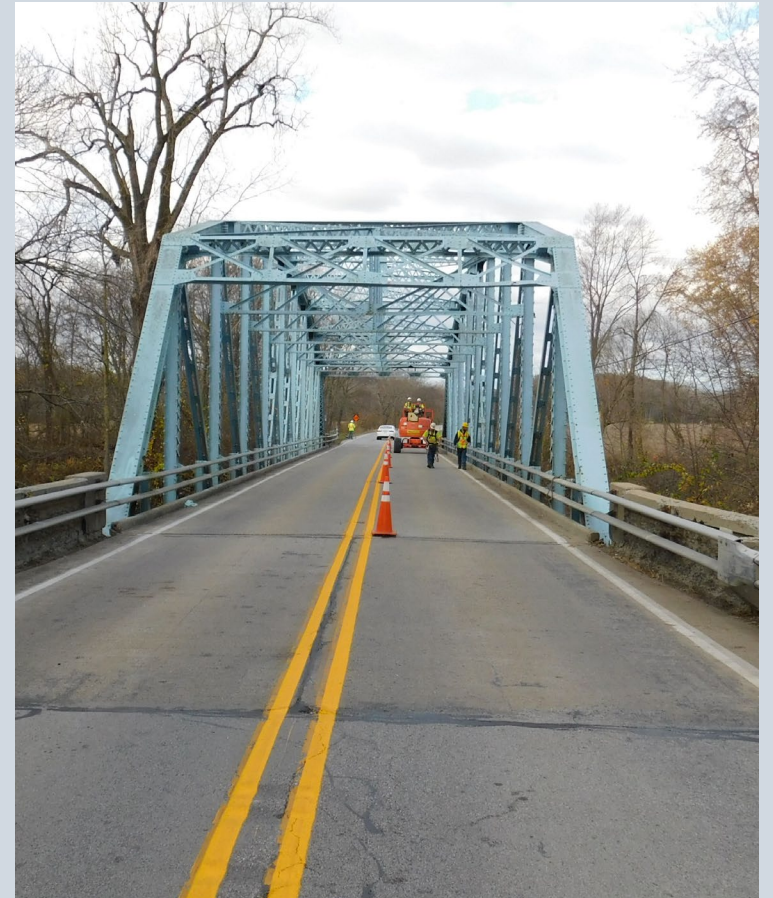


EXISTING CONDITIONS



SR 163 OVER BROUILLETTS CREEK BRIDGE

- Existing bridge is a 175-foot single-span Parker Steel Thru Truss Bridge
- Built in 1932 by the Vincennes Bridge Company
- Reevaluation in 2020 determined it is a rare type in Crawfordsville District
- Eligible as of 2020 for the National Register of Historic Places (NRHP)
- Determined “Select” per parameters of Indiana Historic Bridge Inventory



NATIONAL ENVIRONMENTAL POLICY ACT (1969)

Federal Process

- Requires that federal agencies consider the effects of their actions on surrounding natural, cultural, and social environments:
 - Right-of-Way
 - Floodplains
 - Noise
 - Wetlands & Waterways
 - Air Quality
 - Hazardous Materials
 - Historic & Archaeological
 - Threatened & Endangered Species
- Requires public be provided the opportunity to be involved and comment
- Requires impacts be described in an environmental document



What We Heard



WHAT WE HEARD

- Public hearing held January 17 at South Vermillion High School.
- More than 75 people in attendance.
- Project team members shared details about the bridge and the initial preferred alternative.
- People signed up and delivered spoken comments.

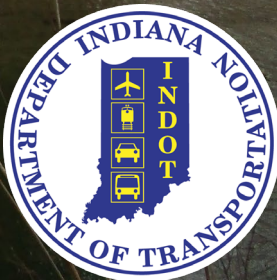


WHAT WE HEARD

- Comments accepted January 3 through February 1, 2023.
- More than 100 comments received.
- Most opposed the initial preferred alternative.
- Concerns focused on one-lane traffic/traffic signal.
- Petition signed by more than 400 people.



Revised Preferred Alternative





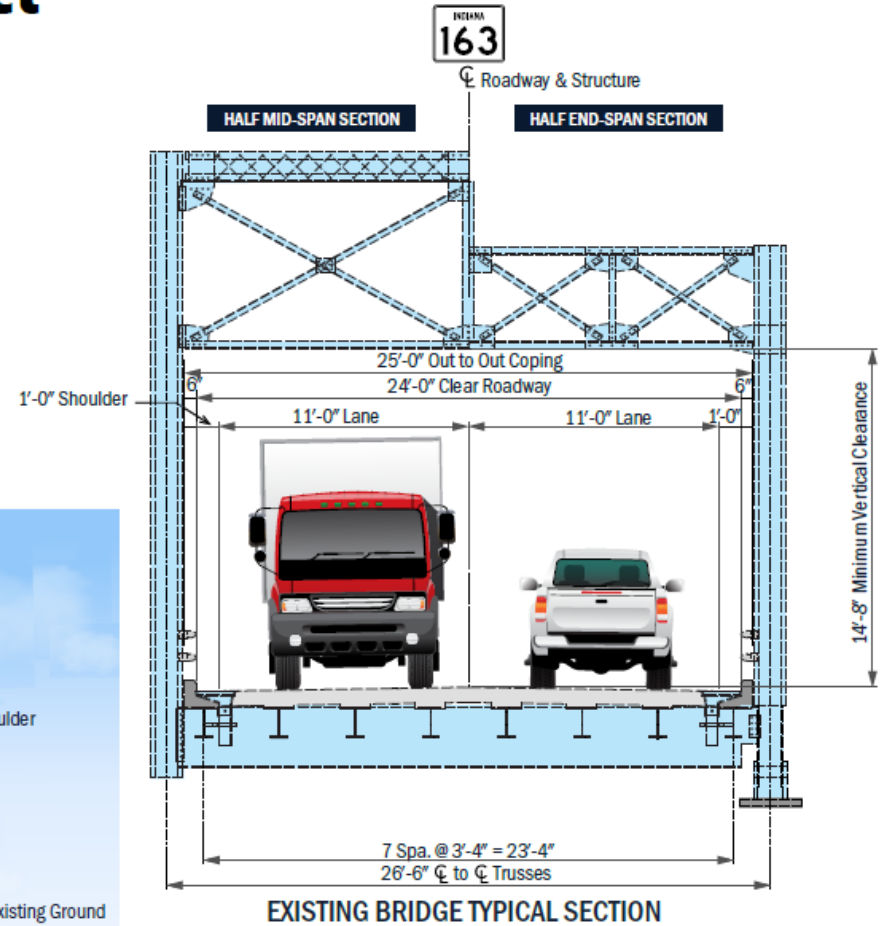
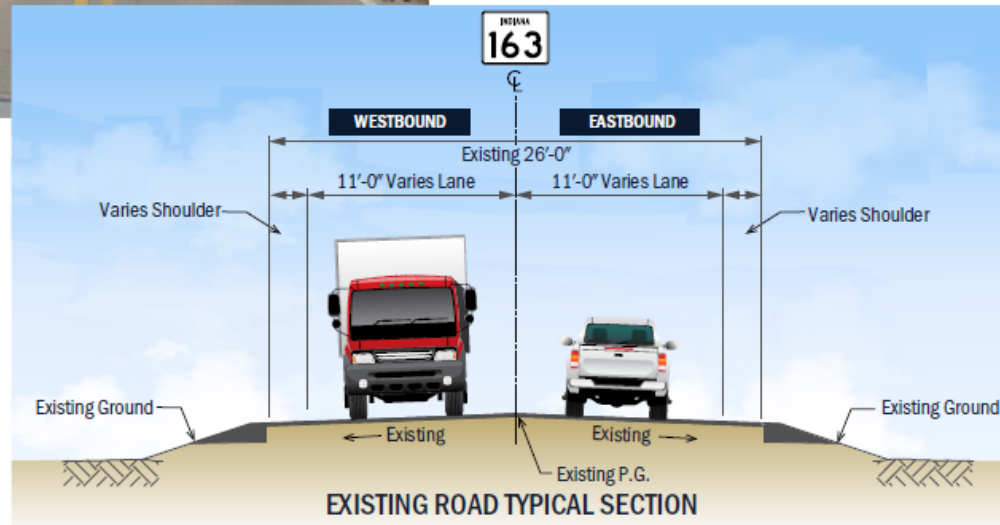
Existing Conditions

SR 163 Brouillets Creek Bridge Project

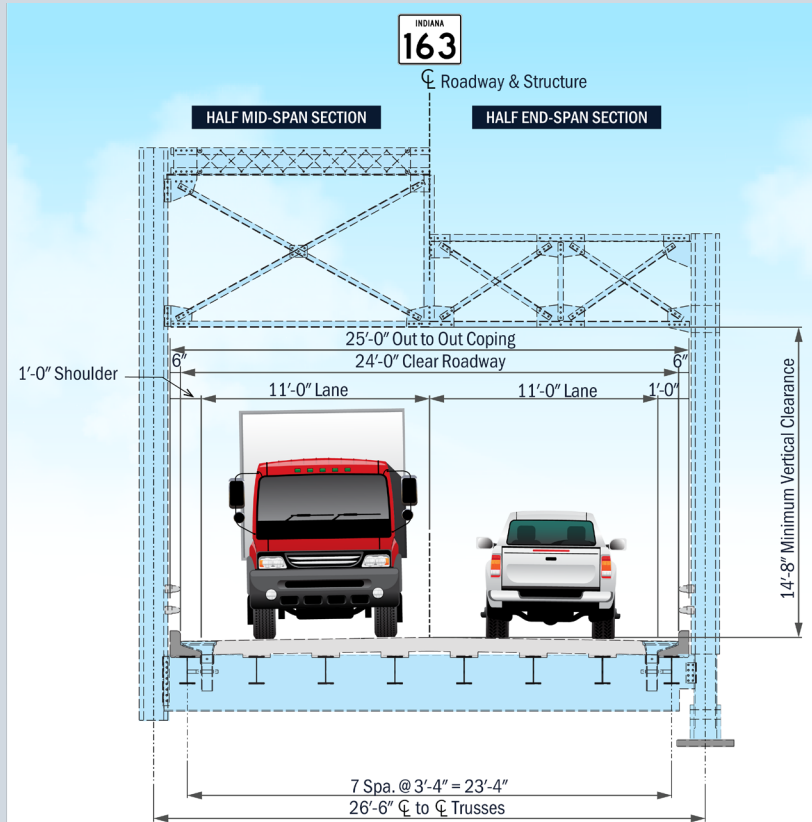
Crawfordsville District | Vermillion County | Des. No. 1701589



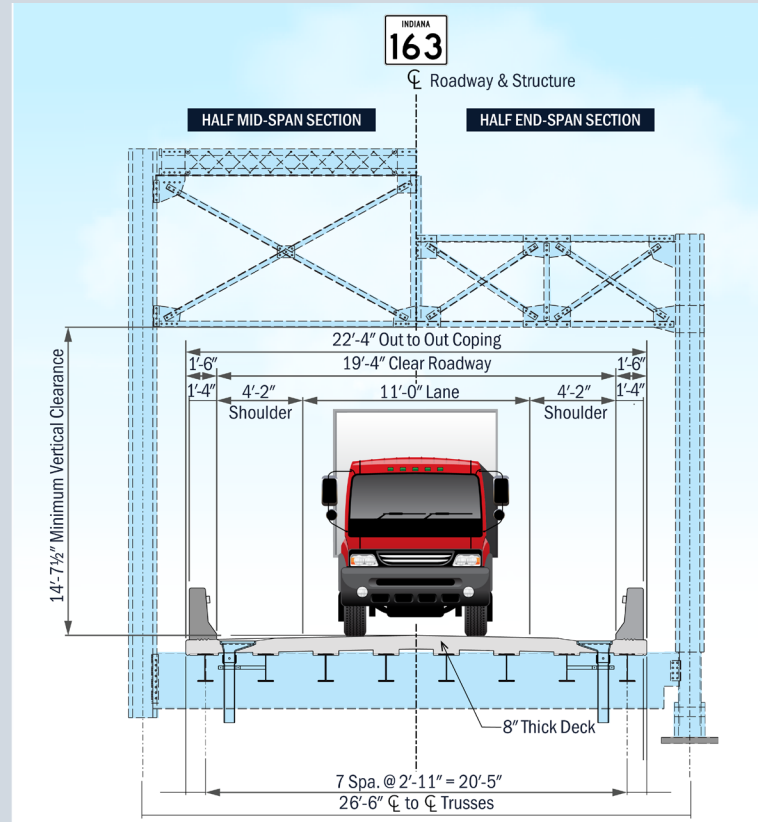
EXISTING BRIDGE



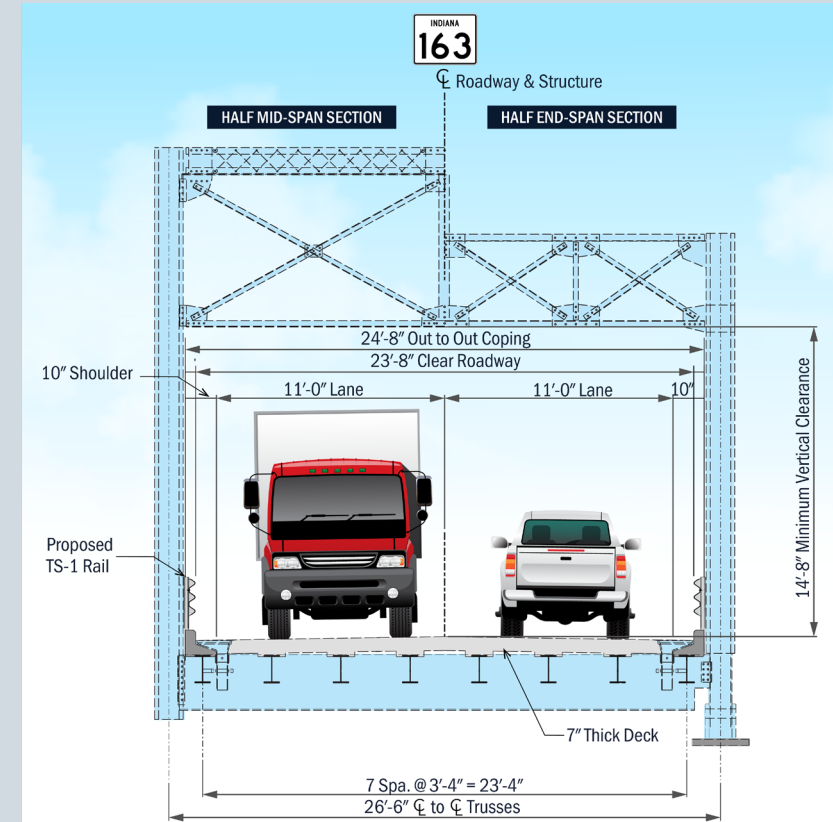
DEVELOPMENT OF PREFERRED ALTERNATIVES



Existing Bridge Typical Section



Initial Preferred Alternative



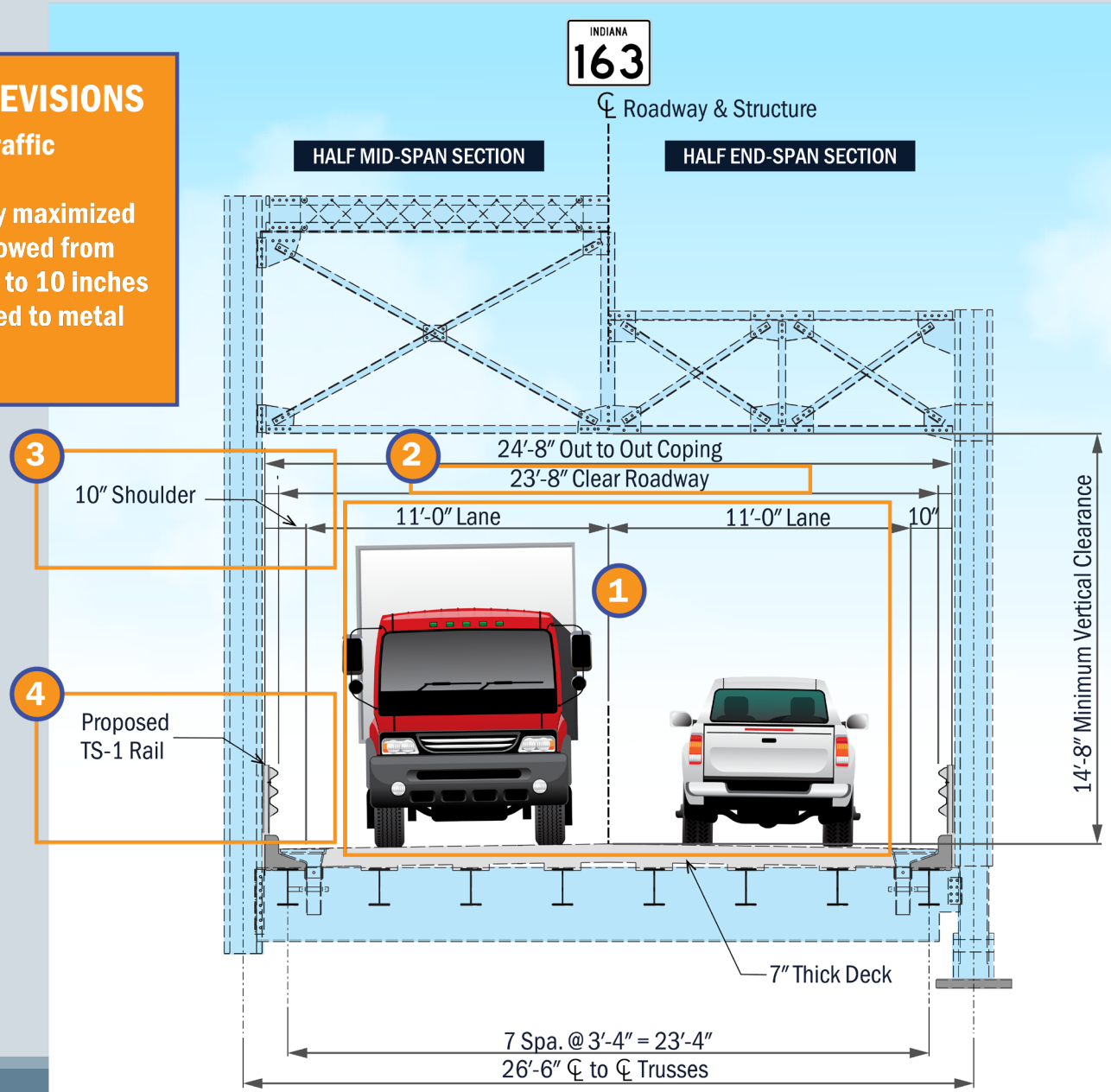
Revised Preferred Alternative



REVISED PREFERRED ALTERNATIVE

FEATURED REVISIONS

1. Two lanes of traffic maintained
2. Clear Roadway maximized
3. Shoulder narrowed from 1 foot existing to 10 inches
4. Railing changed to metal side-mounted



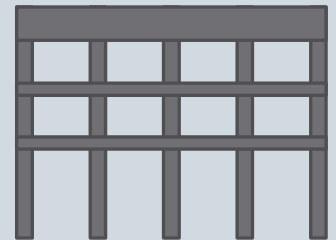
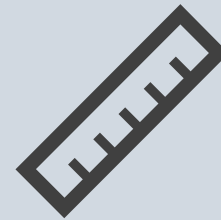
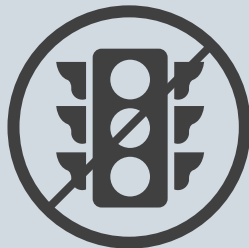
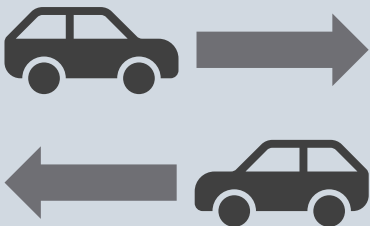
REVISED PREFERRED ALTERNATIVE

- **Rehabilitation for Continued Vehicular Use | Two-Way Operation is the new selected preferred alternative.**
 - Two 11-foot-wide travel lanes
 - **10" wide shoulders (Design Exception)**
 - **Side-mounted steel Thrie-Beam railings (Design Exception)**
 - **Clear Roadway between rails 23'-8" (Design Exception)**
 - Reduced deck thickness to 7"
 - INDOT will not overlay in the future to satisfy load rating
 - HS-15 (27 tons) load rating
 - Approach roadways will look and function the same as they are today

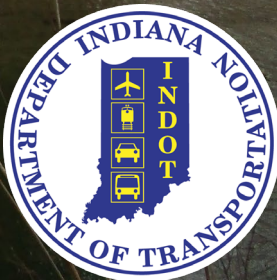


WHAT CHANGED

- Two lanes of traffic are maintained.
- No signals are added.
- Shoulders are slightly narrower than existing.
- Metal bridge railing is added.



Bridge Improvements



EXISTING CONDITIONS



BRIDGE REPAIRS



Replace Lower Gusset Plates



Replace Bent Upper Bracing



Replace 5 of 8 Substandard Stringers



Replace Lower Chord Members



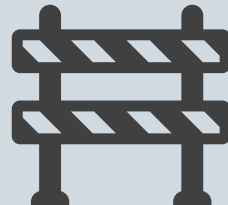
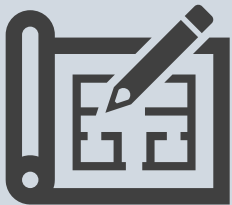
BRIDGE IMPROVEMENTS

- Deck, deteriorated bottom chords, gusset plates, and stringers being replaced.
- Abutment deterioration is being repaired.
- Substantial scour protection is being added.
- Bridge railing is safer than existing.



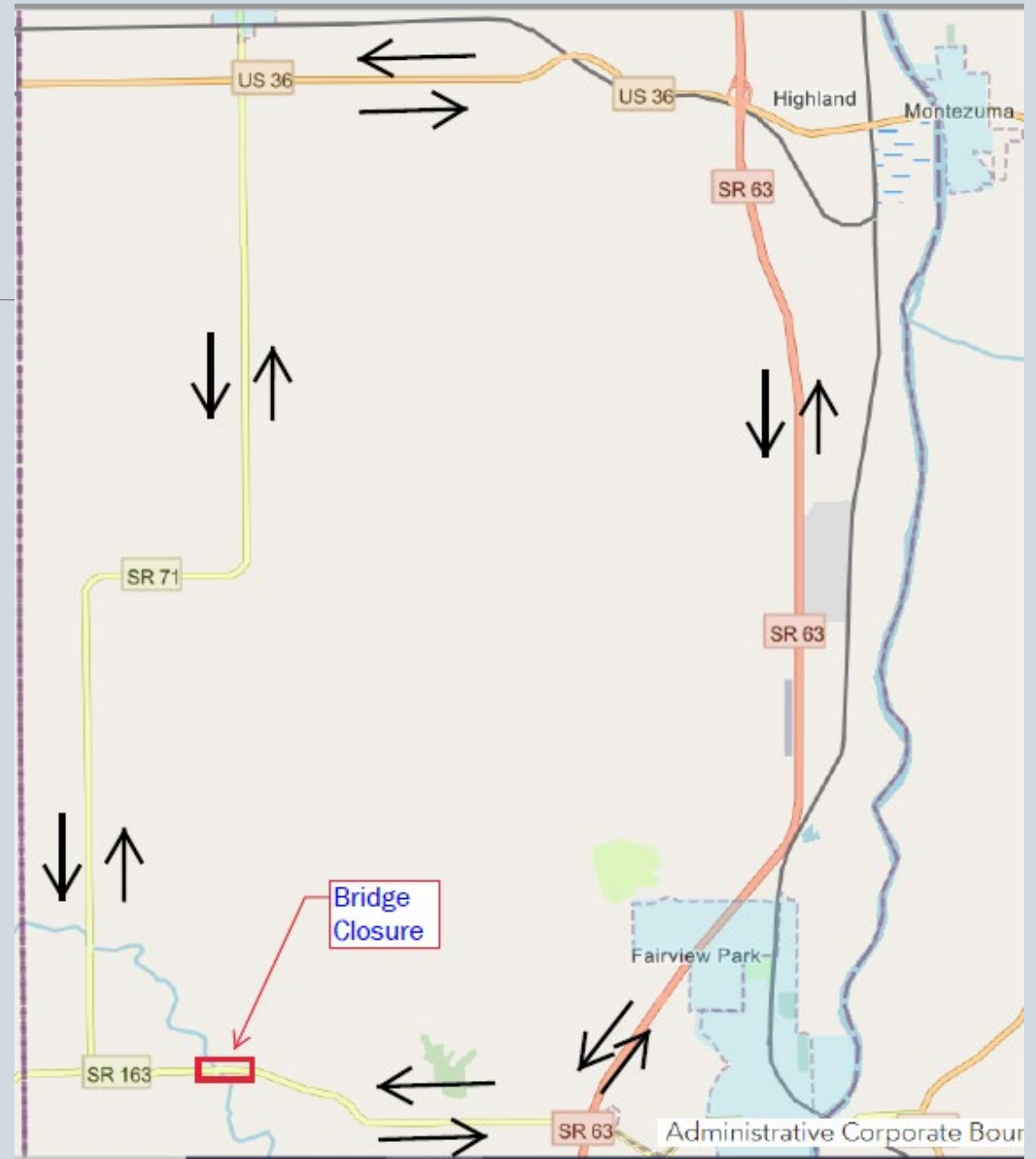
NEXT STEPS

- Final design and NEPA document are underway.
- Contract to be awarded in early 2025.
- Construction to begin by spring 2025.
- Full bridge closure expected to last 8 to 16 months.

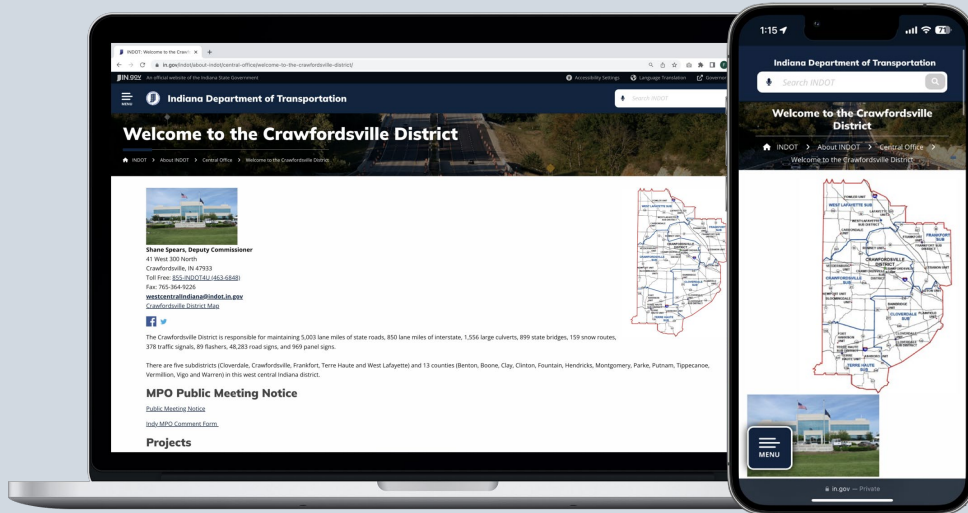


MAINTENANCE OF TRAFFIC

- Construction to begin Spring 2025
- Full bridge closure for approximately eight to sixteen months
- Official detour using SR 163, SR 71, US 36 and SR 63



PROJECT INFORMATION



PROJECT WEBSITE:

<https://www.in.gov/indot/about-indot/central-office/welcome-to-the-crawfordsville-district/>



INDOT CUSTOMER SERVICE:

www.INDOT4U.com
INDOT@indot.in.gov
(855) 463-6848



INDOT PROJECT MANAGER:

Richard Gilyeat
RGilyeat@indot.IN.gov



Thank You

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