

# REVIVE

# I-70

**MORE LANES,  
SAFER TRAVEL**



# INDUSTRY FORUM

**September 13, 2023**

**Contract No: R-43375**

# // PRESENTERS



Danny Corbin  
Project Manager, INDOT



Toby Randolph  
Project Manager, Parsons



# // AGENDA

1. Project Overview
2. Project Delivery
3. Roadway Improvements
4. Bridge Improvements
5. Maintenance of Traffic
6. Procurement Information
7. Contracts 2 and 3



# REVIVE I-70

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# PROJECT OVERVIEW



# // PROJECT AREA



# // PROJECT OVERVIEW

- Revive I-70 will improve I-70 in Wayne County.
- Revive I-70 is expected to **reduce congestion, improve traffic flow, and improve safety.**
- Stretches from west of Cambridge City to the IN/OH state line.



# // PROJECT OVERVIEW

- Added travel lanes, bridge improvements and interchange improvements are expected.
- Improvements are planned for 41 bridges in the project area.
- Pavement replacement and drainage improvements are expected.
- Existing lighting, signage, guardrail and barriers will be updated.



# // PROJECT TIMELINE

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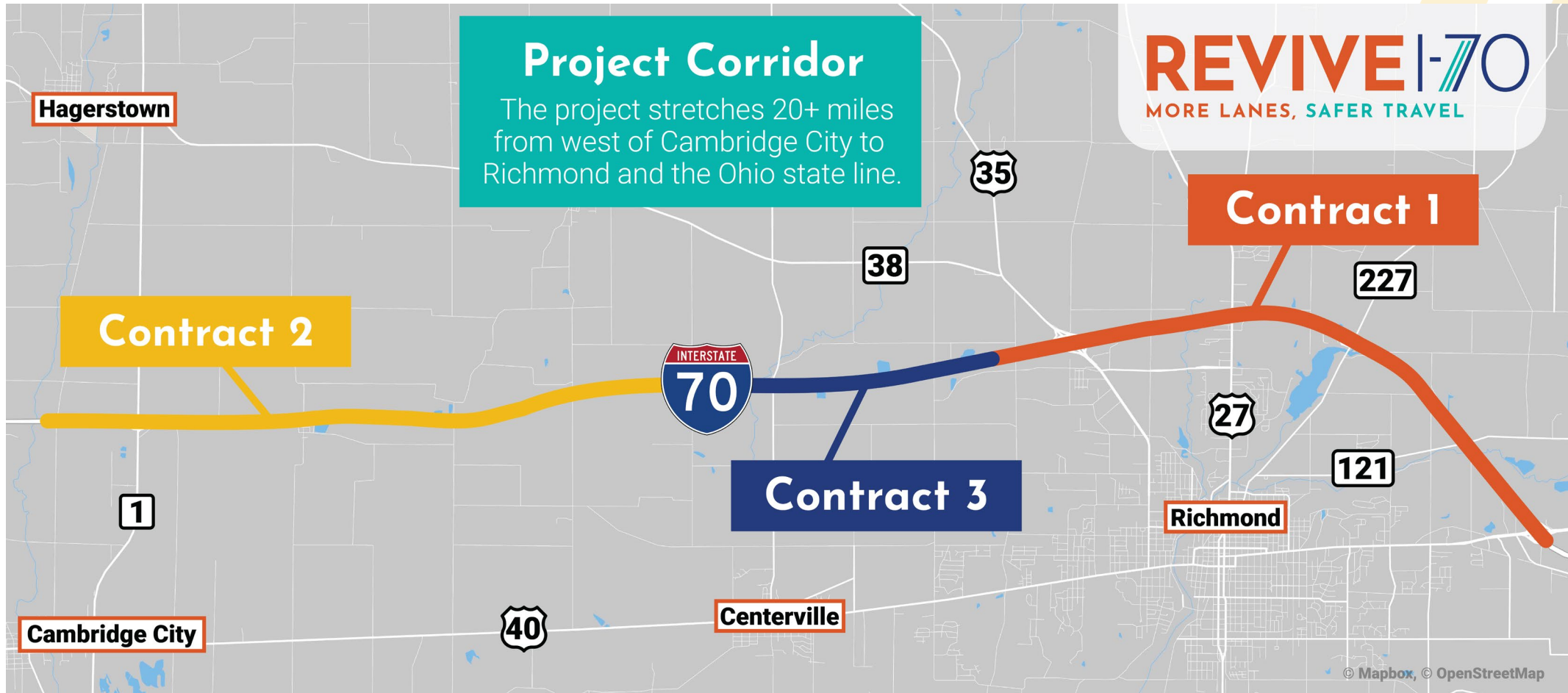
# REVIVE I-70

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# PROJECT DELIVERY



# // PROJECT DELIVERY



# // PROJECT DELIVERY

## Contract 1



- Eastern portion of the project area • Extends from west of US 35 to the Ohio state line • About eight miles long
- Expected to let in early 2024 • Construction expected to begin by late 2024
- Added travel lanes, interchange modifications and pavement replacement

## Contract 2



- Western portion of the project area
- Extends from west of SR 1 to west of Centerville
- Nearly nine miles long
- Expected to let in fall 2024

## Contract 3



- Center portion of the project area
- Extends from west of Centerville to US 35
- Nearly four miles long
- Expected to let in 2026 or 2027



# // CONTRACT 1

- Will include added travel lane in each direction
- Will include pavement replacement for the full corridor
- Project advertisement in fall 2023
- Project letting in early 2024
- Construction expected to begin in late 2024
- Open to traffic late 2027; construction end date 2028



# // CONTRACT 1 INFORMATION

- 4 new bridges
- 4 bridge removals and replaced with box structures
- 10 bridge widenings
- 3 bridges, painting and maintenance



# // CONTRACT 1 QUANTITIES

- 41,000 square feet of new bridge
- 114,000 square feet of bridge widening and rehabs
- 585,000 square feet of roadway
- 37,000 liner feet of retaining wall
- 337 SPT borings
- 150 pavement cores
- Air-launched GPR survey of driving lanes



# // SUPPLIER/AGGREGATE INFORMATION

- Full CAPP approval of an aggregate source is preferred
- Will consider accelerated and alternative approval of aggregate sources
- Potential bidders can submit questions and ideas to Materials and Tests for comments prior to letting



# // SUPPLIER/AGGREGATE INFORMATION

- INDOT Materials and Tests will be flexible on aggregate specifications and procedures
- Current asphalt and concrete pavement specs allow gradations not listed in Section 904
- INDOT will consider and allow, where appropriate, non-INDOT gradations for other non-pavement applications
- INDOT will consider aggregate quality testing results from ODOT or private labs for aggregate approval





# // CONTRACT 1: MOT

- 11' lanes with 2' offsets
- MOT Design Speed of 70 MPH
- 5-mile long (max.) work zone traffic restrictions
- Design to INDOT & FHWA standards
- Draft TMP has been developed with design-build team to finalize



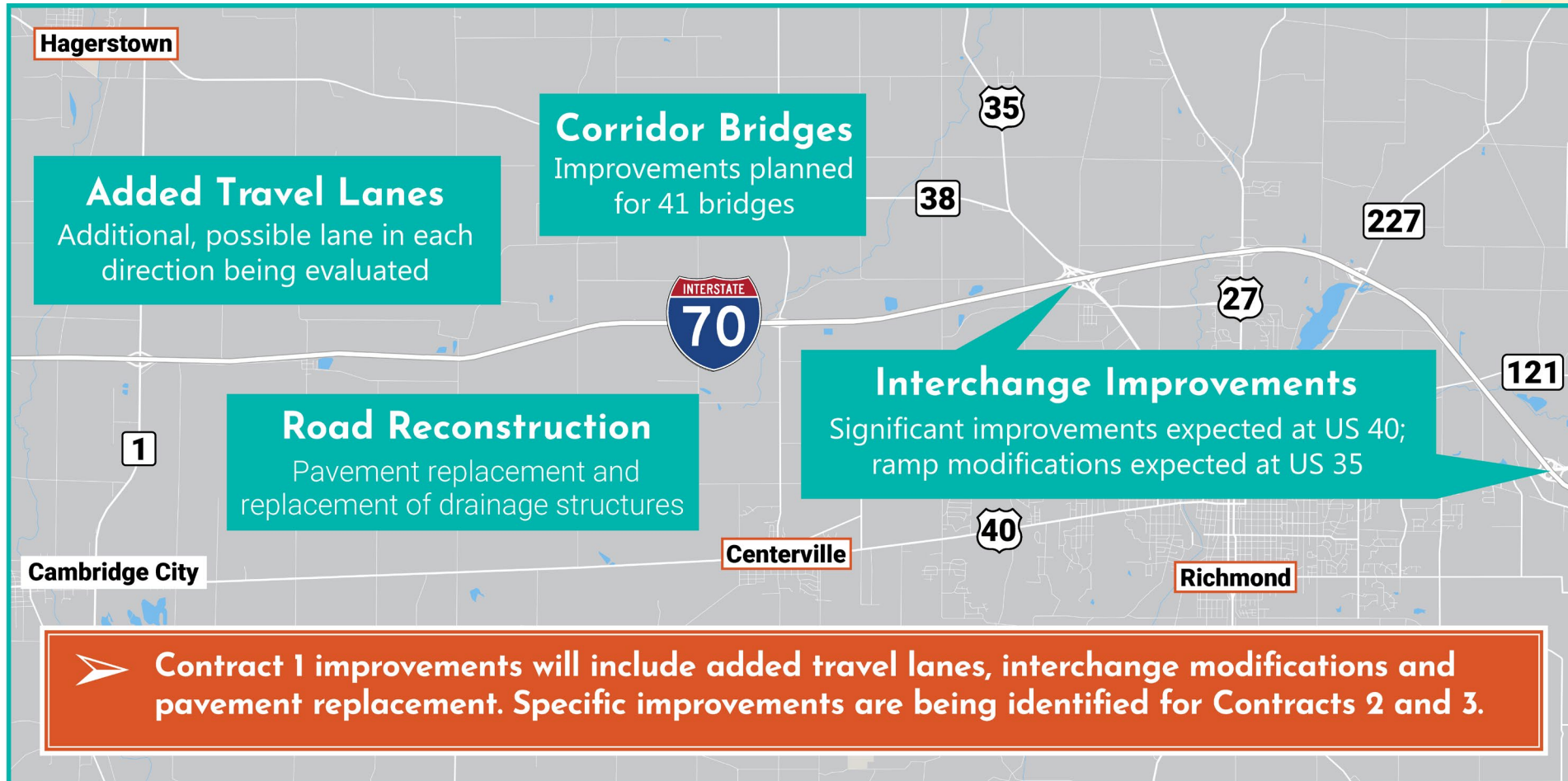
# REVIVE I-70

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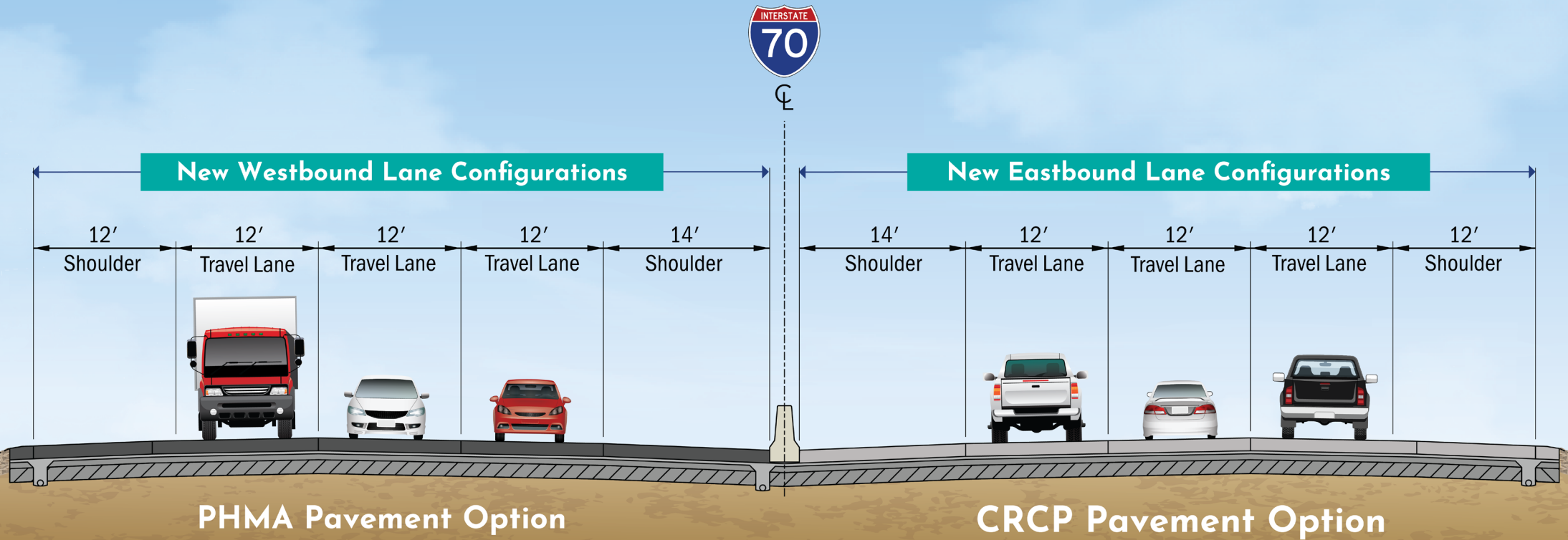
# ROADWAY IMPROVEMENTS



# // ANTICIPATED IMPROVEMENTS



# // ADDED TRAVEL LANES



# // ALTERNATE BID PAVEMENT

1. CRCP Travel Lanes with JPCP Shoulders or Perpetual HMA (PHMA) Pavement Options
2. JPCP or HMA Pavement Options for US 35 and US 27 Ramps
3. JPCP or HMA Pavement Options for US 40 and US 40 Ramps



# // ALTERNATE BID PAVEMENT

## Option 1 (incl. Shoulders w/ 11" JPCP) Continuously Reinforced Concrete Pavement

- 11" QC/QA CRCP
- 4" QC/QA HMA 4, 64 Intermediate 19mm
- 6" Compacted Aggregate No. 53
- Geotextile for Pavement Type 2A
- 12" QC/QA Cement Stabilized Subgrade @ 6%
- (Partial) 14" Cement Stabilized Foundation Soil @ 5%

\*Options for #5 or #6 Long. Bars w/ spacing variations



# // ALTERNATE BID PAVEMENT

Option 2 (incl. Shoulders w/ reduced PG Binder)

## Perpetual HMA

- 2" QC/QA HMA 4, 76 Surface 9.5mm SMA
- 3" QC/QA HMA 4, 76 Intermediate 19mm
- 12.5" QC/QA HMA 4, 64 Base 19mm
- 3" QC/QA HMA 4, 76 Intermediate OG 19mm
- 3" QC/QA HMA 4, 64 Base 19mm + Base Seal
- 12" QC/QA Cement Stabilized Subgrade @ 6%
- (Partial) 14" Cement Stabilized Foundation Soil @ 5%

\*VRAM for SMA Joints



# I-70 AND US 40 INTERCHANGE RECOMMENDED ALTERNATIVE

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2-Thru Lanes for Both Directions

New Retaining Walls

New 5' Sidewalks



New 5' Sidewalks

Replace Existing Bridges

- Diamond interchange with roundabouts
- Interchange reconstructed and loop ramps removed
- Upgraded to meet current INDOT design standards
- Improves traffic flow and safety
- New pedestrian facilities/sidewalks



INDIANA  
OHIO  
State Line



**NextLevel**  
ROADS



# I-70 AND US 35 INTERCHANGE RECOMMENDED ALTERNATIVE



Barrier Separated Ramp with Extended Deceleration Distance

New Retaining Walls

Dual Lane Ramp CD System

Extend Acceleration Distance

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- Includes ramp modifications to improve safety
- Adds distance to accelerate and decelerate
- Adds collector-distributor (CD) system (exiting WB I-70 traffic accessing US 35)



# REVIVE I-70

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# BRIDGE IMPROVEMENTS



# // BRIDGE IMPROVEMENTS

## Improvements Expected for the Entire I-70 Corridor

- Improvements are planned for 41 bridges in the project area.
- Widening is planned for 36 bridges carrying I-70 traffic.
- Widening to accommodate three lanes of future traffic.
- Widening will be to the inside/median side.



# // BRIDGE IMPROVEMENTS

## Full Corridor/By the Numbers

- 8 bridge replacements
- 15 major rehabilitations
- 14 deck overlays
- 4 bridges, preventive maintenance



# // BRIDGE IMPROVEMENTS

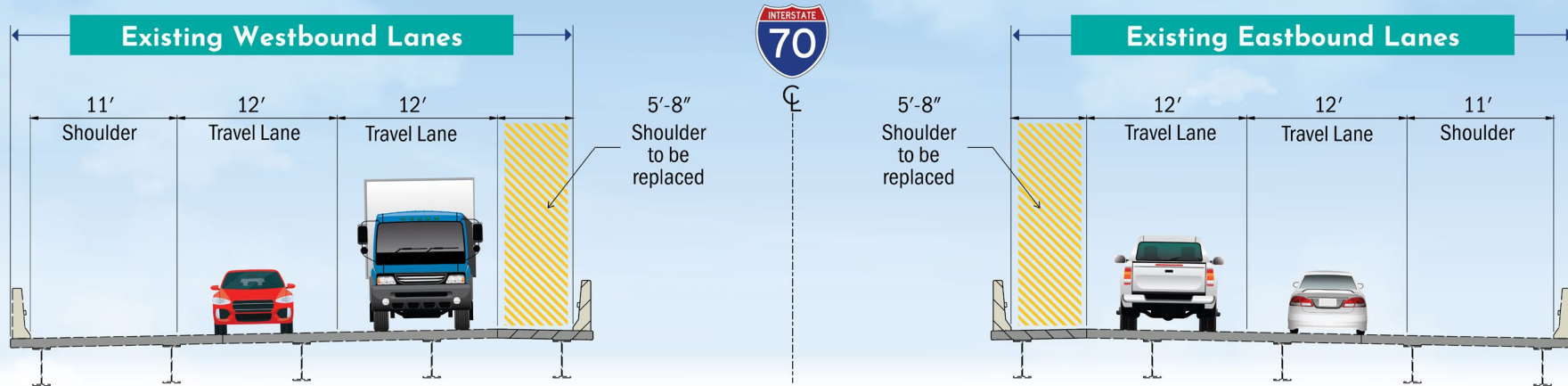
## Contract 1 includes:

- 4 new bridges
- 4 bridge removals and replaced with box structures
- 10 bridge widenings
- 3 bridges, painting and maintenance
- 41,000 sft of new bridge
- 114,000 sft of bridge widening and rehabs

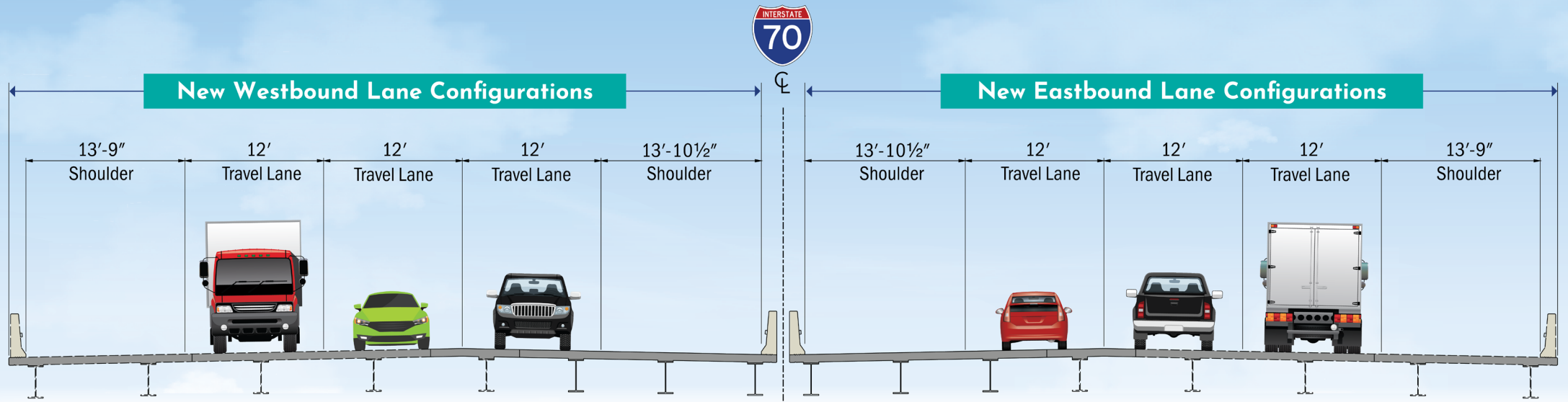


# // BRIDGE IMPROVEMENTS

## EXISTING BRIDGE



## CONTRACT 1 WIDENED BRIDGES



# // ADDITIONAL IMPROVEMENTS

- Improved lighting
- Improved signage
- Pavement replacement
- Drainage improvements
- Guardrail/barrier systems upgraded



# REVIVE I-70

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PROCUREMENT  
INFORMATION





# // DESIGN-BUILD CONSTRUCTION

- All three contracts will be design-build
- Includes design and construction services; unified flow
- Value engineering
- Design-build allows continued design development and flexibility
- Flexibility can lead to innovation
- Innovation can often reduce costs
- Schedule savings also reduce costs



# // CONTRACT 1 PROCUREMENT

- INDOT Low-Bid Design-Build Process
- Contract Information Book
  - Scope of Services (SoS)
  - Reference Information Documents (RIDs)
  - Unique Special Provisions (USPs)
  - Recurring Special Provisions (RSPs)



# // PROCUREMENT PROCESS

- ATC Process for Innovative Concepts
  - 3 confidential one-on-one meetings
  - Proposer questions/INDOT responses
  - Technical proposal submittal 18 days prior to bid
  - Pass/fail evaluation
  - Stipend payment availability for proposers
  - Cost proposal/bid opening/DBC Selection



# // ANTICIPATED PROCUREMENT SCHEDULE

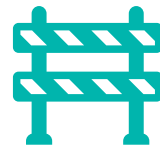
- September 13, 2023: Industry forum
- Early October 2023: General RIDs release
- November 10, 2023: Project advertisement; Full RIDs release
- November 17, 2023: Mandatory pre-bid meeting
- February 9, 2024: Technical proposals due
- February 28, 2024: Bid letting day; cost proposals due
- April 1, 2024: DBC contract award



# // POSSIBLE DBE ACTIVITIES

- Clearing and grubbing
- Concrete supply
- Drilled shaft foundations
- Environmental monitoring
- Erosion control
- Excavation
- Formwork
- Geotechnical explorations
- Hauling
- Pile driving
- Public involvement
- Rebar
- Site security
- Surveying
- Traffic control

INDOT Economic Opportunity Division  
EISinquiry@indot.in.gov



# REVIVE I-70

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# CONTRACTS 2 & 3



# // CONTRACT 2&3 IMPROVEMENTS

## Contract 2



- Western portion of the project area
- Extends from west of SR 1 to west of Centerville
- Nearly nine miles long
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## Contract 3



- Center portion of the project area
- Extends from west of Centerville to US 35
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# PROJECT CONTACTS





# // PROJECT INFORMATION

- [ReviveI70.com](https://ReviveI70.com)
- Text “INDOT REVIVEI70” to 468311
- Sign up for [email updates](#) on [website](#)
- Social Media
  - [Facebook](#): Revive I-70
  - [Twitter](#): @ReviveI70



REVIVE

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THANK  
YOU





The mission of the Indiana Construction Roundtable Foundation is to encourage, empower and inform individuals to pursue careers within the construction industry.



# OUR MISSION & HISTORY

## MISSION

- *The mission of Indiana Construction Roundtable Foundation is to inform, encourage and empower individuals to pursue a career in the construction industry, leading to a more sustainable workforce.*

## VISION

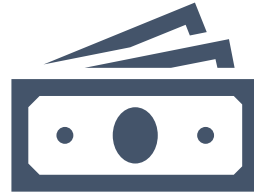
- *Every Hoosier will have the knowledge and ability to access and develop a career in the construction industry and related fields.*



# Indiana Construction Roundtable Foundation



Created in 2015 to directly address the workforce shortage



501(c)3 foundation funded through support from state, industry, and charitable organizations



Balanced Board of construction and education professionals



A photograph of two women construction workers on a job site. They are both wearing yellow hard hats and high-visibility safety vests. The woman on the left is wearing a red and black plaid shirt under a yellow safety vest. The woman on the right is wearing a blue and green plaid shirt under an orange safety vest. They are high-fiving each other. The background shows a blurred steel structure of a building under construction. The text 'WHAT WE DO AT ICRF' is overlaid in white, bold, sans-serif font across the center of the image.

# WHAT WE DO AT ICRF

# Our Programs

- BYF Indiana
- BY Construction Training
  - BY Roads
  - BY Espanol
  - BY Corrections
  - BY Bootcamp







Build Your Future Indiana is a unique collaboration of employers, state agencies and industry associations. Our goal is to encourage Indiana residents to learn about construction craft careers and training opportunities now emerging in our state, and to qualify for and get jobs in these high-demand occupations.



### Our target audiences

Students

Parents

Teachers

Counselors

Coaches

Peers

# Some of what we offer



Career quiz

In-class Ambassador visits

Ambassador participation in career and trades fairs

Construction Clubs

Establishing a social media presence

Cat Simulator

In-print & video resources for educators (via [byf.indiana.org](http://byf.indiana.org))

# BY Training



- Program for adult learners
- Designed to build confidence and skills so participants are successful in their first 90 days in a job
- Taught by instructors who are working in the industry
- Employer partners visit, teach, and hire students who go through training
- Utilizes NCCER Core Curriculum
- Provides OSHA 10 Certification
- Enhanced by Partner Services to ensure students have the basic skills and employability skills necessary to be successful on the job

A construction site at dusk or dawn, with a crane lifting a large, dark rectangular load. The scene is silhouetted against a light sky. Scaffolding and structural beams are visible on both sides. A worker is visible on a platform at the bottom center.

**WORKING TOGETHER  
MOVING FORWARD**

# Partnership Opportunities



## BYF Indiana

- Sign up to be an ambassador
- Support a construction club



## BY Roads

- Host a project-based class connected to this project
- Attend Indianapolis-based classes for employer visits and hiring fairs



**Matthew Nance**

**Executive Director**

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