



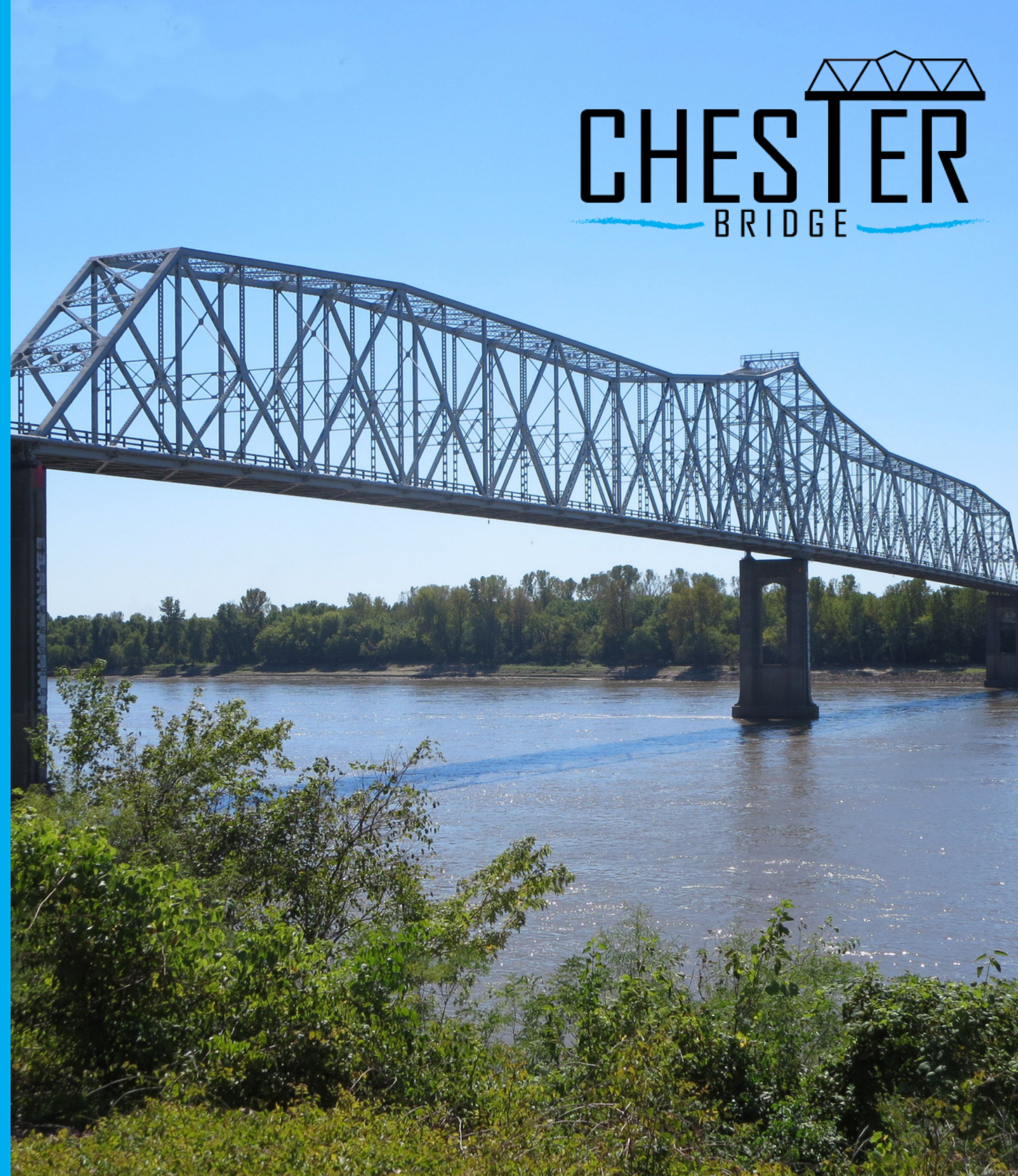
DESIGN-BUILD PROJECT
CHESTER BRIDGE

MO-51 & IL-150 over the Mississippi River at
Chester, IL

Brian Okenfuss, P.E.
Chester Bridge Project Director

Benji Philpot, P.E.
Chester Bridge Deputy Project Director

Zachary Lee, P.E.
Team Member



CHESTER BRIDGE DESIGN-BUILD PROJECT

TODAY'S AGENDA



01

INTRODUCTIONS

02

PROJECT BACKGROUND

03

GOALS AND SCHEDULE

04

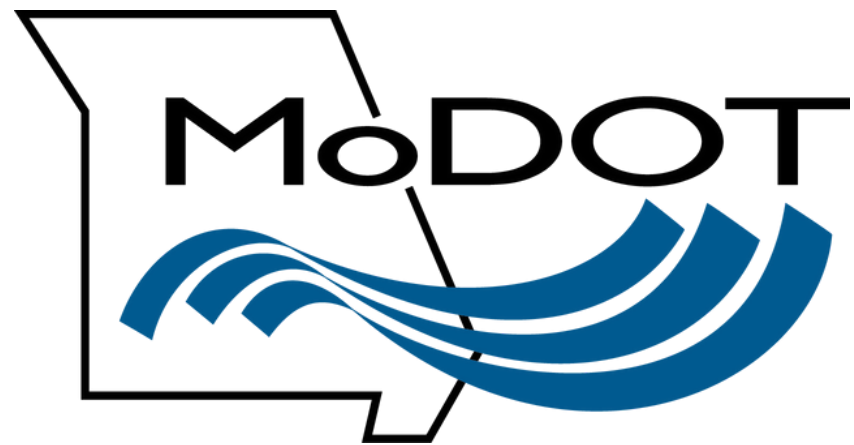
PROJECT STATUS/UPDATE

05

QUESTION & ANSWER

CHESTER BRIDGE DESIGN-BUILD PROJECT

INTRODUCTIONS

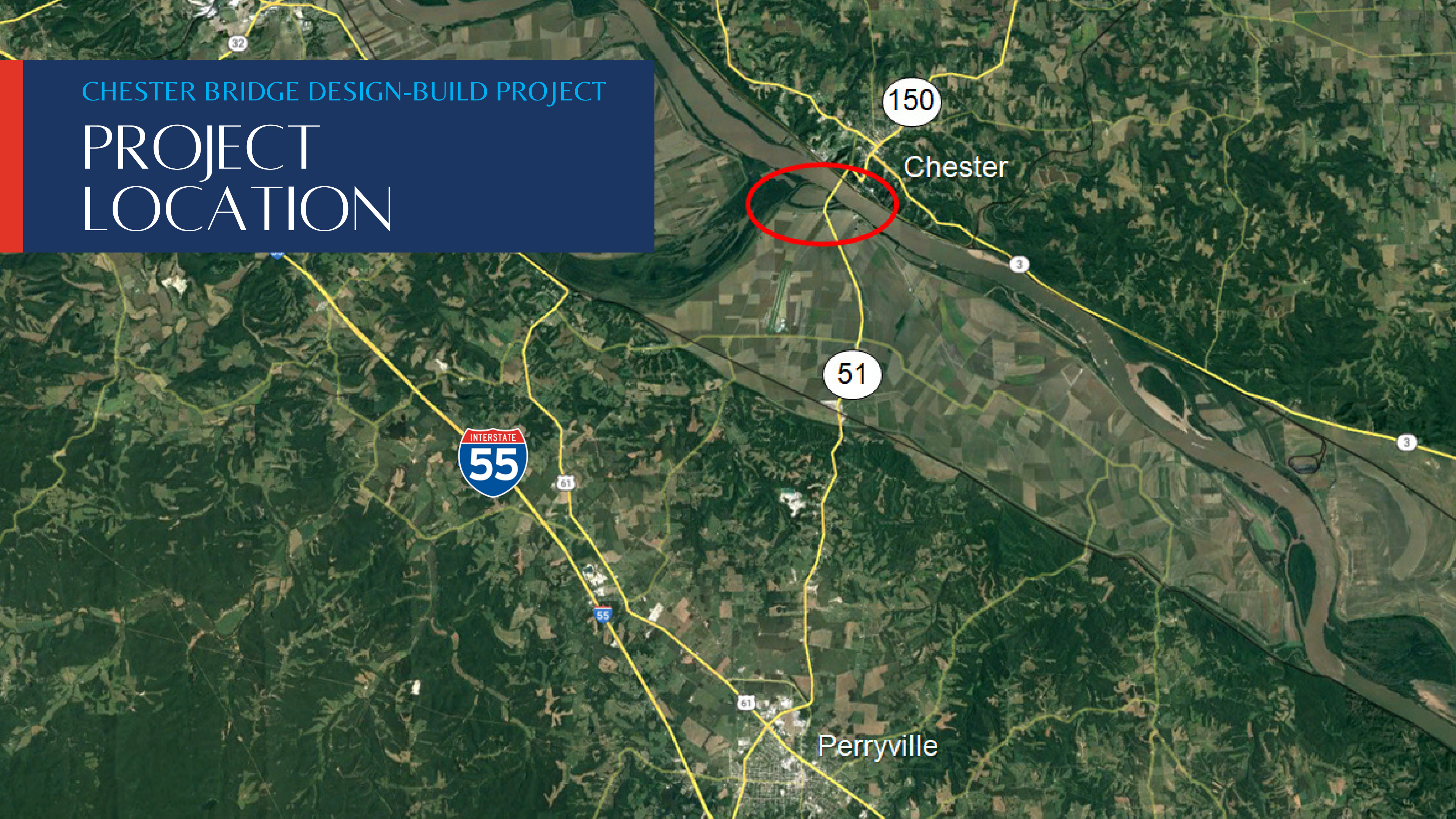


INDUSTRY MEETING | JUNE 16, 2022



CHESTER BRIDGE DESIGN-BUILD PROJECT

PROJECT LOCATION



CHESTER BRIDGE DESIGN-BUILD PROJECT

PROJECT BACKGROUND



- **2017**
Environmental Assessment Started
- **April 2018**
Rehab Let; Stopped 50% of the Way Through
- **Oct. 2019**
Rehab Rejected
- **June 2021**
Extensive Rehab Rejected
- **July 2021**
Design-Build Delivery Determination
- **Sept. 2021**
MHTC Authorized Design-Build Delivery Method & FONSI Issued

PROJECT GOALS



01 Replace both structures within the project budget using durable 100-year, low maintenance structure(s).

02 Provide a safe and reliable transportation solution for all modes of transportation.

03 Complete the project no later than December 1, 2026 with the least impacts to all modes of transportation.

04 Deliver the project safely while utilizing a diverse workforce.

CHESTER BRIDGE DESIGN-BUILD PROJECT

ANTICIPATED BUDGET



**TOTAL PROGRAM
\$232,417,000**

PE/CE Internal
Utilities
R/W and Incidentals
Stipends



**DESIGN-BUILD
CONTRACT
\$208,000,000**

CHESTER BRIDGE DESIGN-BUILD PROJECT

DBE & WORKFORCE GOALS



DBE GOAL

6% Construction

12% Professional Services



WORKFORCE GOAL

11.4% Minority

6.9% Female

3 OJT slots at 1,000 hours for construction

CHESTER BRIDGE DESIGN-BUILD PROJECT

PROJECT SCHEDULE



01

INDUSTRY MEETING AND RFQ RELEASE

June 16, 2022

02

ISSUE REQUEST FOR PROPOSAL

August/September 2022

03

SELECTION OF APPARENT BEST VALUE

March 2023

04

START OF CONSTRUCTION

Spring 2023

05

PROJECT COMPLETION

December 1, 2026

INDUSTRY MEETING | JUNE 16, 2022



CHESTER BRIDGE DESIGN-BUILD PROJECT

PROJECT STATUS



EARLY TO RELEASE INFO

Release by June 30, 2022



OTHER COORDINATION



INDUSTRY MEETING | JUNE 16, 2022



CHESTER BRIDGE DESIGN-BUILD PROJECT

EARLY TO RELEASE INFORMATION

- » Lidar and Bathymetric Survey
- » Draft Geotechnical Report
- » FAA Determination of No Hazard to Air Navigation
- » Coast Guard Coordination and Span Length



INDUSTRY MEETING | JUNE 16, 2022



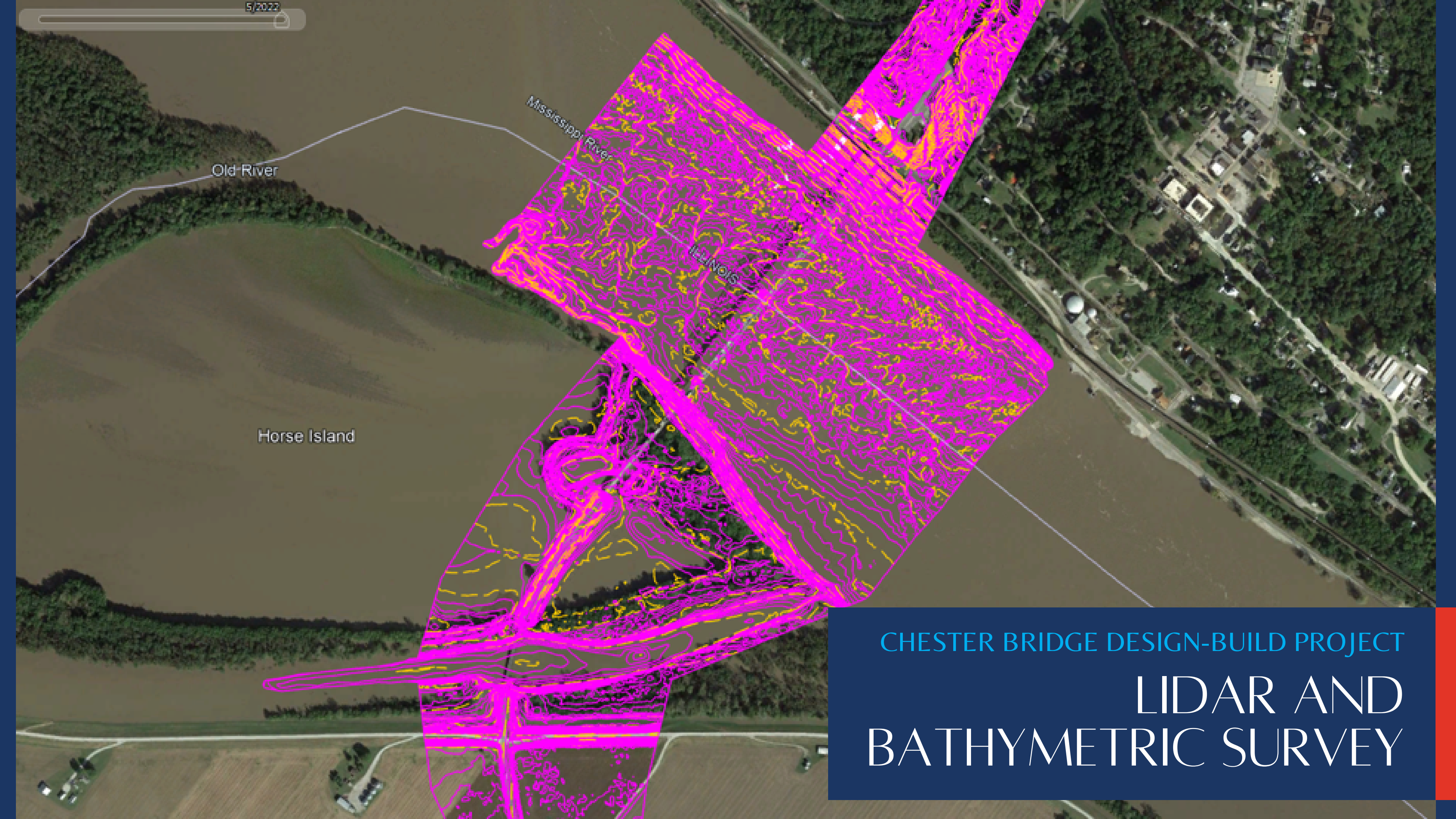
Old River

Mississippi River

Horse Island

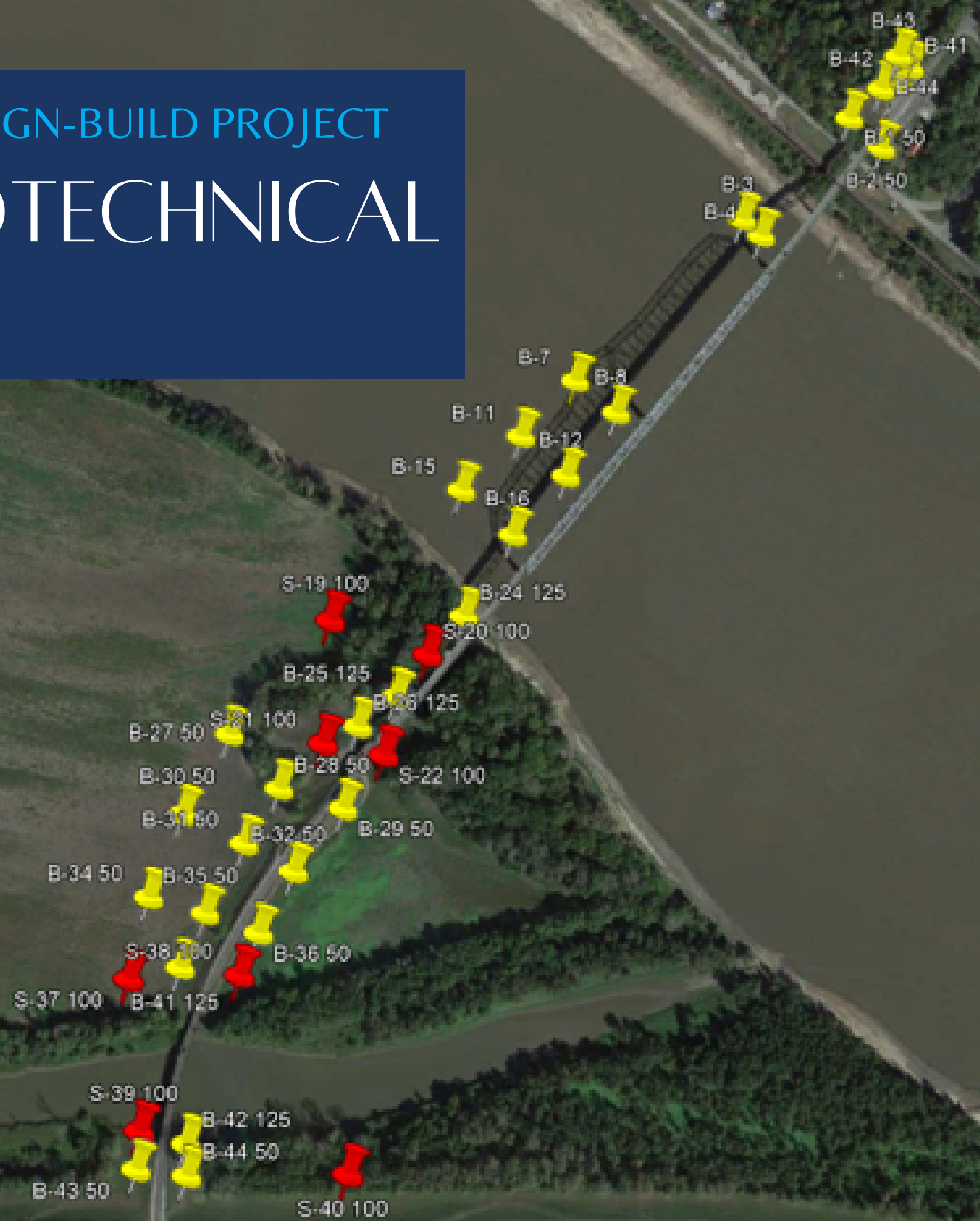
Chester

CHESTER BRIDGE DESIGN-BUILD PROJECT
LIDAR AND
BATHYMETRIC SURVEY



CHESTER BRIDGE DESIGN-BUILD PROJECT

DRAFT GEOTECHNICAL REPORT





FAA FORM 7460-1 NOTICE OF PROPOSED CONSTRUCTION

Determination of No
Hazard to Air Navigation

▶ Permanent Structure Height 340
feet above ground level

▶ Temporary Crane Height 390 feet
above ground level



COAST GUARD COORDINATION AND SPAN LENGTH

▶ Navigation Clearance Letter

▶ Vertical: 103.8 above zero from
Chester Gage (7-foot reduction on
auxiliary span)

▶ Horizontal: 800' main span with 500'
auxiliary span or 1050' main span

OTHER CONSIDERATIONS

- ▶ USACE 408
- ▶ USACE 401/404
- ▶ Bois Brule Levee District
- ▶ Cultural Resources
- ▶ Segar Memorial Park 4(f)
- ▶ Union Pacific Railroad
- ▶ Section 7
- ▶ No Rise Certification SEMA/IDNR
- ▶ Utilities
- ▶ Right of Way
- ▶ Seismic Design

QUESTIONS



www.modot.org/chesterbridge