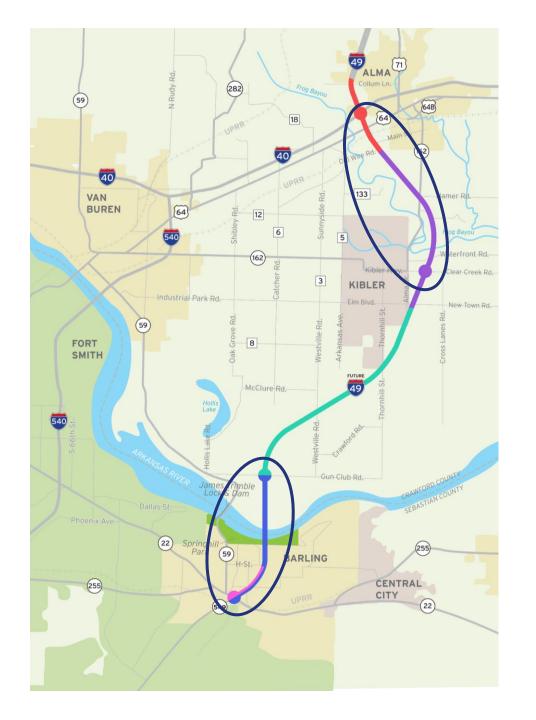


Calgary Vancouver CANADA Regina Winnipeg Seattle WASHINGTON Thunder Bay MAINE 95 VERMONT MONTANA Sudbury NORTH DAKOTA MINNESOTA 5 **1**5 OREGON IDAHO NEW wisconsin St. Paul HAMPSHIRE Toronto W YORK Boise **Green Bay** MASSACHUSETTS SOUTH DAKOTA MICHIGAN Buffalo 90 RHODE WYOMING Detroit CONNECTICUT PENNSYLVANIA - 80 W **New York** 10W/ Philadelphia 80 CALIFORNIA NEBRASKA NEW Salt Lake City Lincoln INDIANA Columbus Sacramento Washington D.C. DELAWARE Denver UTAH ILLINOIS NEVADA VIRGINIA 80 US MARYLAND. W Kansas City Columbia COLORADO U U MISSOURI KANSAS VIRGINIA 64/ Las Vegas KENTUCKY W Raleigh 35 ARIZONA TENNESSEE 40 NORTH 75 OKLAHOMA ARKANSAS Nashville Los Angeles Columbia Oklahoma City Albuquerque San Diego Phoenix SOUTH Atlantic Little Rock Birmingham NEW MEXICO Ocean GEORGIA 20 Dallas 30 20 ALABAMA LOUISIANA Jacksonville TEXAS 49 10 W Hermosillo San **New Orleans** Antonio Chihuahua Tampa Pacific FLORIDA 0 Ocean I-49 Status Saltillo = Completed = Not To Interstate Standards Durango - Proposed

Interstate 49 ALMA TO TEXARKANA









Segment	Major Work Scope Items
	Clearing and Grubbing (Highway 22 to East H Street)
	River Bridge and Approach Grading/Paving (Highway 22 to Gun Club Road)
Phase 1	Grading and Six Structures and Approaches (Clear Creek Road to I-40)
	Grading, Paving, Grade Separations and Cross Drainage Structures (Gun Club Road to Clear Creek Road)
Phase 2	Base, Surfacing, and Six Structures and Approaches (Clear Creek Road to I-40)

PROPOSED I-49 C.L. 80' MEDIAN 24' 24′ 6' 2-LANES 2-LANES 10' SH SH



ECONOMIC POTENTIAL

Enable Forecasted Traffic Volumes of 20k Vehicles/Day Through the Heart of the Chaffee Crossing Redevelopment Area

Provide Direct Access to the Western Arkansas Intermodal Authority (WAIA) Economic Development Area

Provide Freight Access to the WAIA Future Intermodal Port Facility

Improve Access to the Designated Opportunity Zone

Extend the Primary Highway Freight System by Approximately 20 miles from I-40 to US 71





COLLABORATION, INNOVATION & SAVINGS















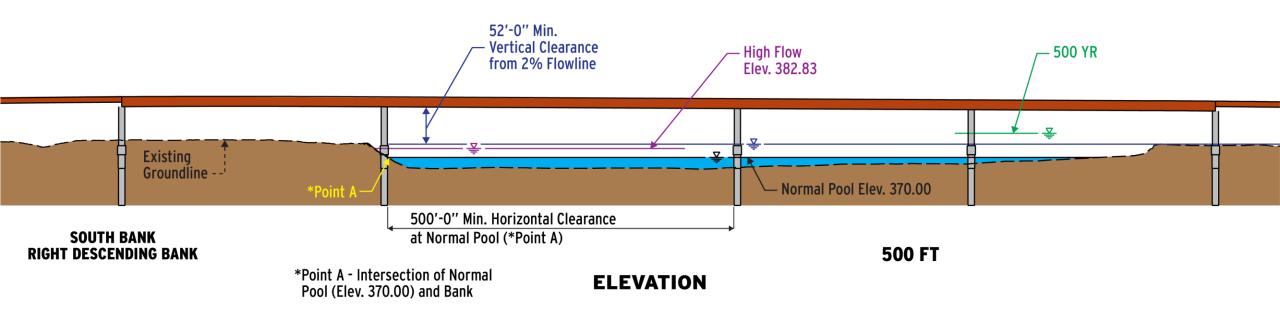


RIVER BRIDGE LOCATION



James W. Trimble
Lock and Dam
1.2 Miles Upstream

USCG REQUIREMENTS



USCG REQUIREMENTS



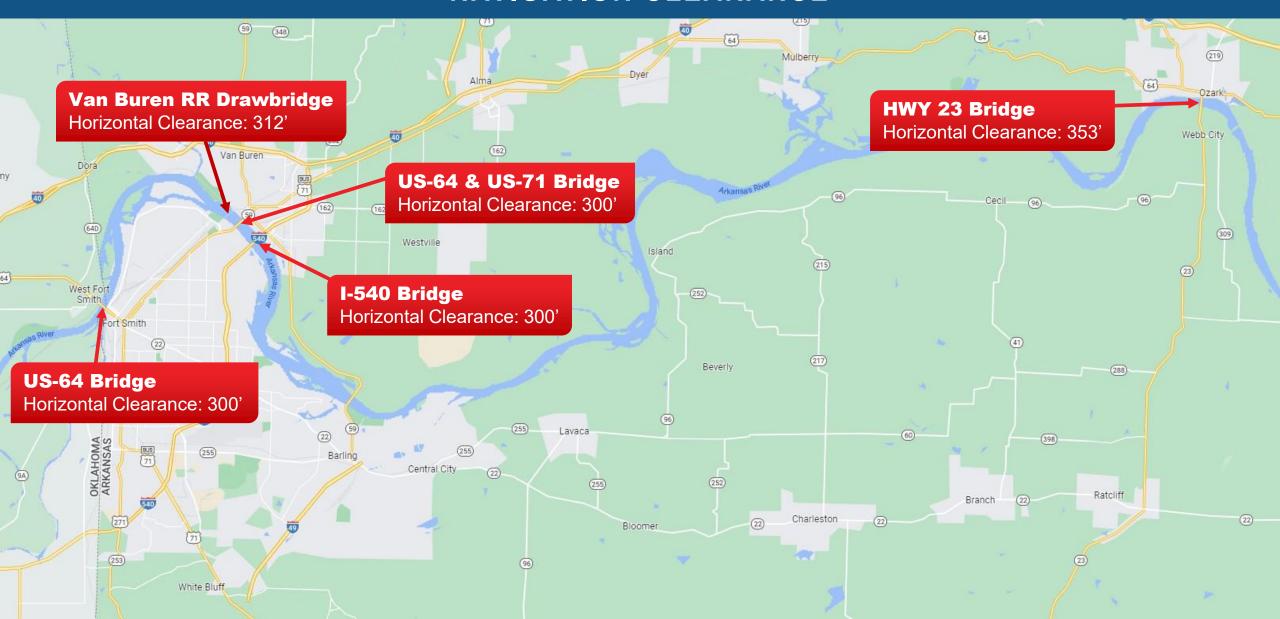


> 500 ft span

< 500 ft span

MKARNS RIVER BRIDGE

NAVIGATION CLEARANCE



WHAT'S DRIVING THE NAVIGATION CLEARANCE?

- Input from Tow Boat Operators
- Rapidly Rising Water Levels
- Bend in the River



Back to the Drawing Board

DESIGN TEAM RECOMMENDATION



- Engage the Seamen's Church Institute (SCI) to Conduct a River Navigation Study
- Test Different Span Lengths
- Provide for the Reasonable Needs of River Navigation



SCI STUDY ASSEMBLING THE TEAM



Governing Agency



Study Administrator





Pilot



Pilot





SCI STUDY SIMULATOR

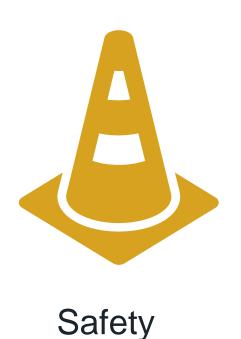


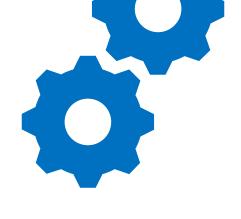
SCI STUDY THE RUN MATRIX



- Span Length
- River Flow
- Upstream/Downstream
- Wind Direction and Speed
- Daytime or Nighttime
- Loaded or Empty Barges
- Documented Each Run and Took Survey

SCI STUDY RESULTS





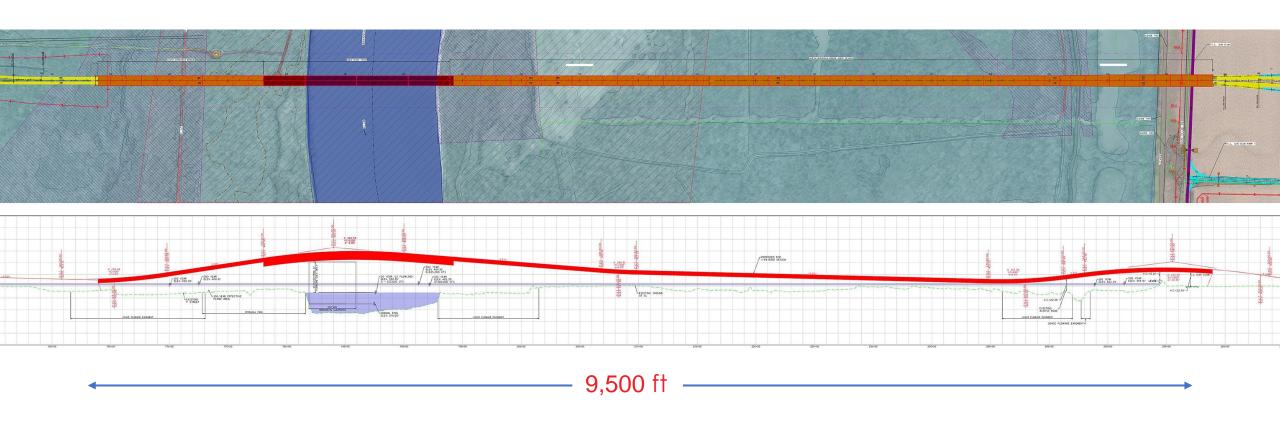


Function

Est. Cost Reduction

HYDRAULIC DESIGN CONCEPTUAL

Long Bridge (Original Concept)



OPPORTUNITIES & CHALLENGES

Opportunity: Reduce the Length of the Bridge

Challenge: Impart no Negative Affect on the:

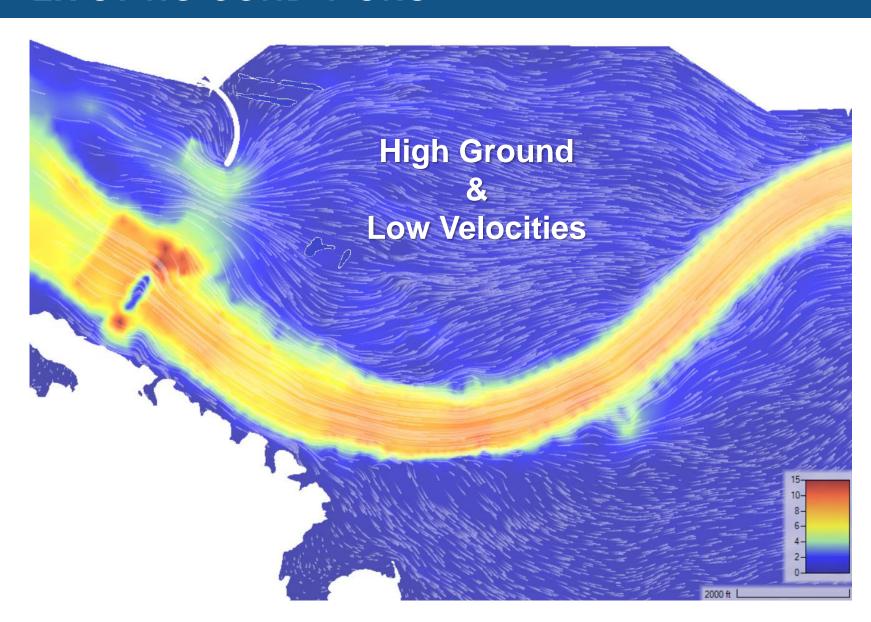
- Trimble Reservoir
- Crawford County Levee
- Springhill Park
- Fort Chaffee Property



HYDRAULICS EXISTING CONDITIONS

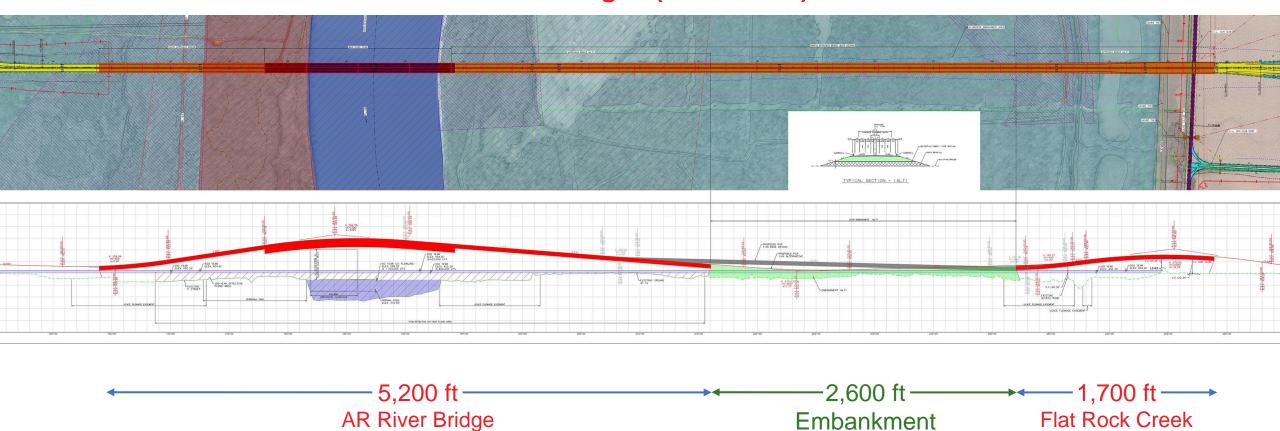
Existing
Conditions
2D Hydraulic Model

Showing Velocity Vectors



REVISED CONCEPT

Short Bridges (Alternative)

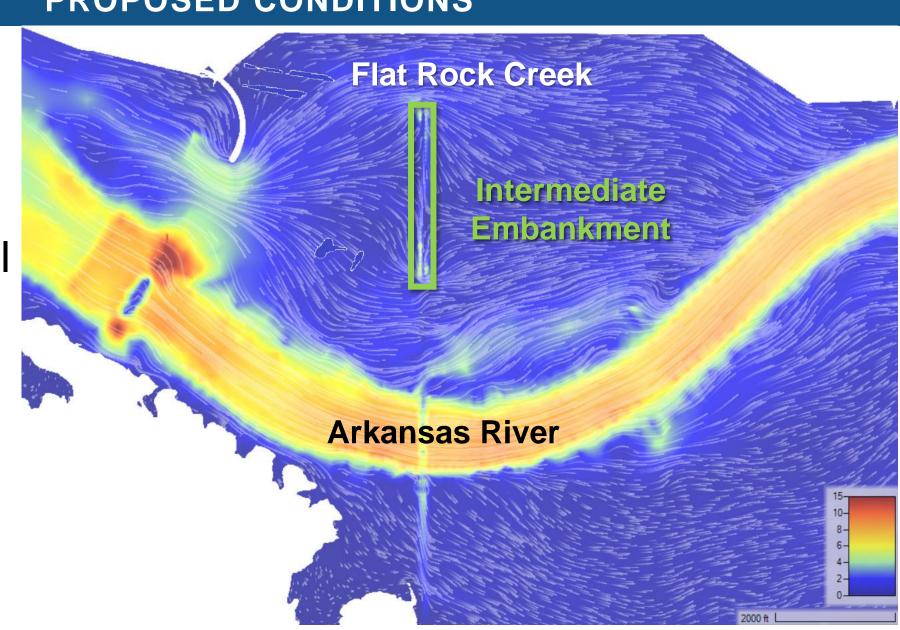


Bridge

HYDRAULICS PROPOSED CONDITIONS

Proposed
Conditions
2D Hydraulic Model

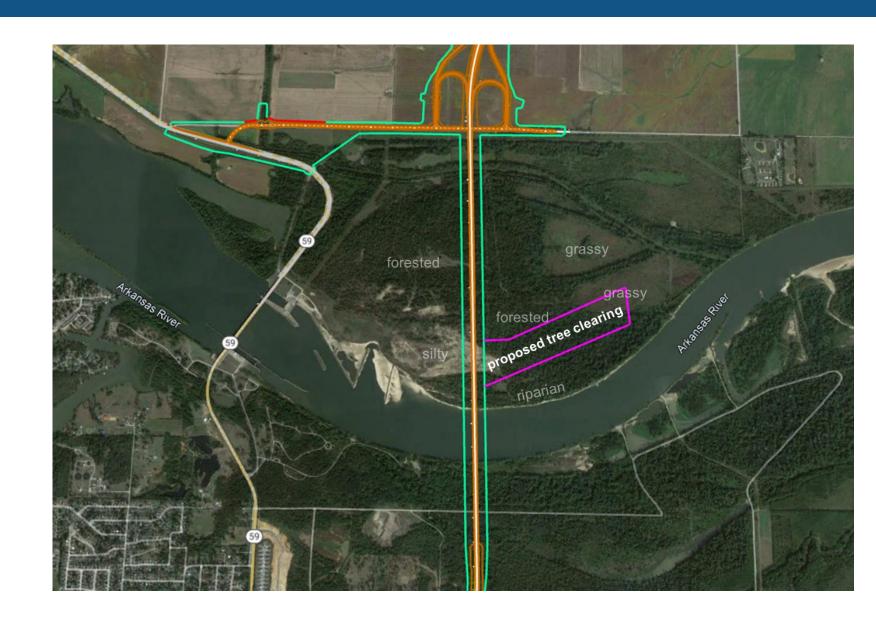
With Intermediate Embankment Instead of Continuous Bridge



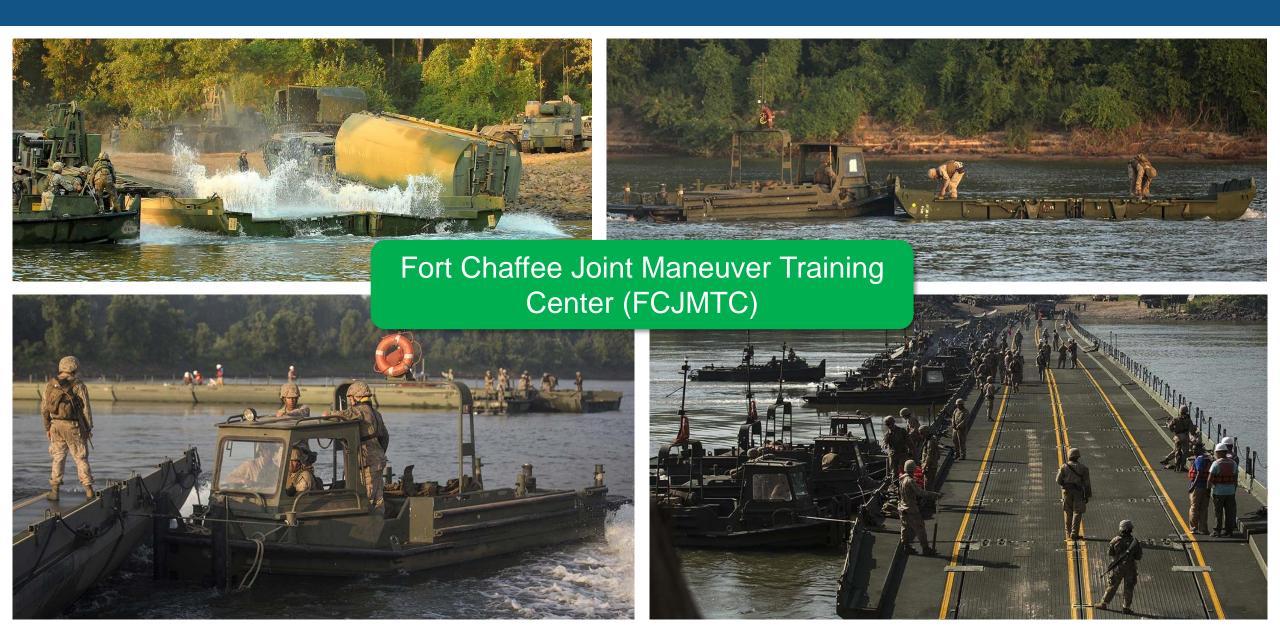
HYDRAULIC MITIGATION CONCEPT

Proposed Tree Clearing Area

- Conceptual Extents
- 60 to 90 Acres
- Ft. Chaffee
 Concurrence



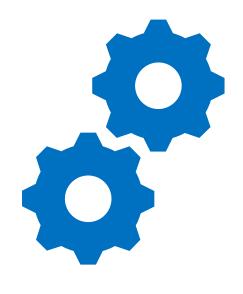
FORT CHAFFEE ACTIVITIES



HYDRAULIC STUDY RESULTS







Function



Est. Cost Reduction



COLLABORATION, INNOVATION & SAVINGS

\$65 Million **Estimated** Cost Savings















Grand Ave 14B **FORT SMITH** RAILROAD 0

HWY. 71B – TOWSON AVE.

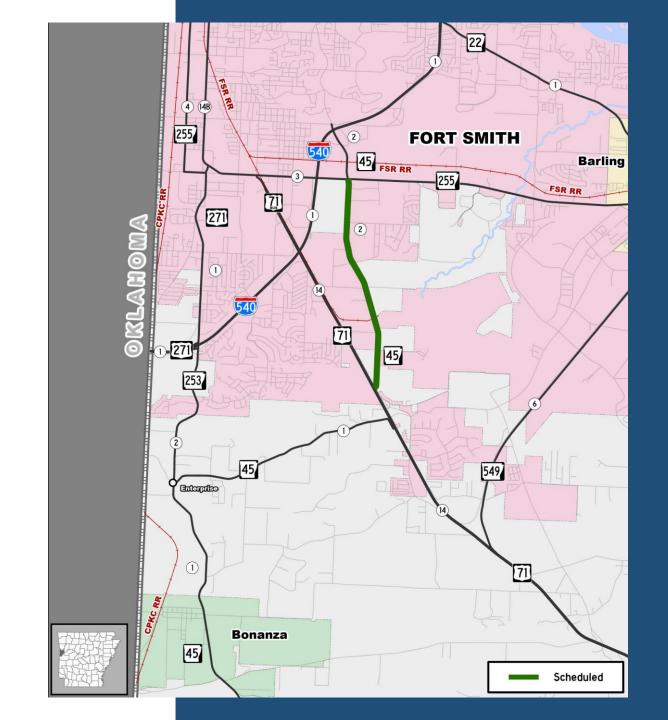
- Pavement Preservation, Drainage and Sidewalk Improvements
- Schedule TBD

• Est. Cost: \$10-15 million

Partnering with Fort Smith

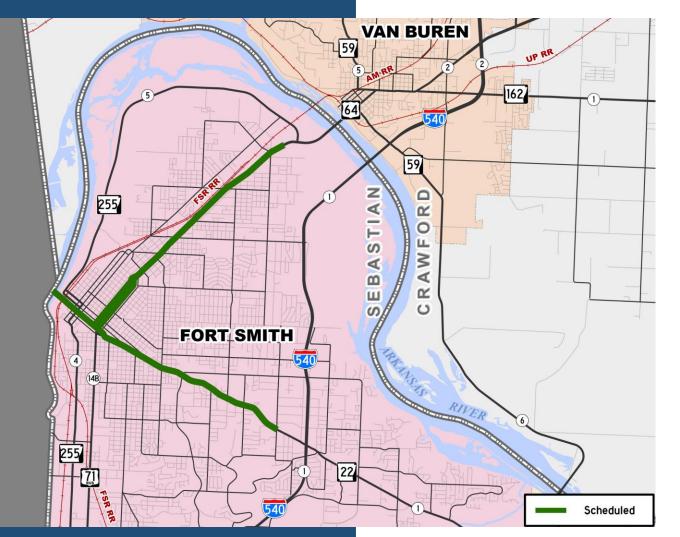
HIGHWAY 45

- Widening
- 3 Miles
- Est. Cost: \$20-30 Million
- Schedule TBD



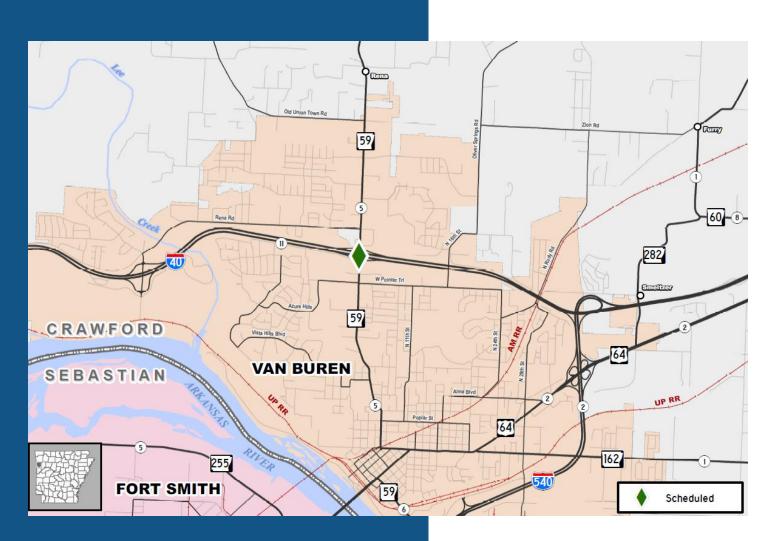
HIGHWAYS 22 & 64

(Midland and Garrison/Rogers)



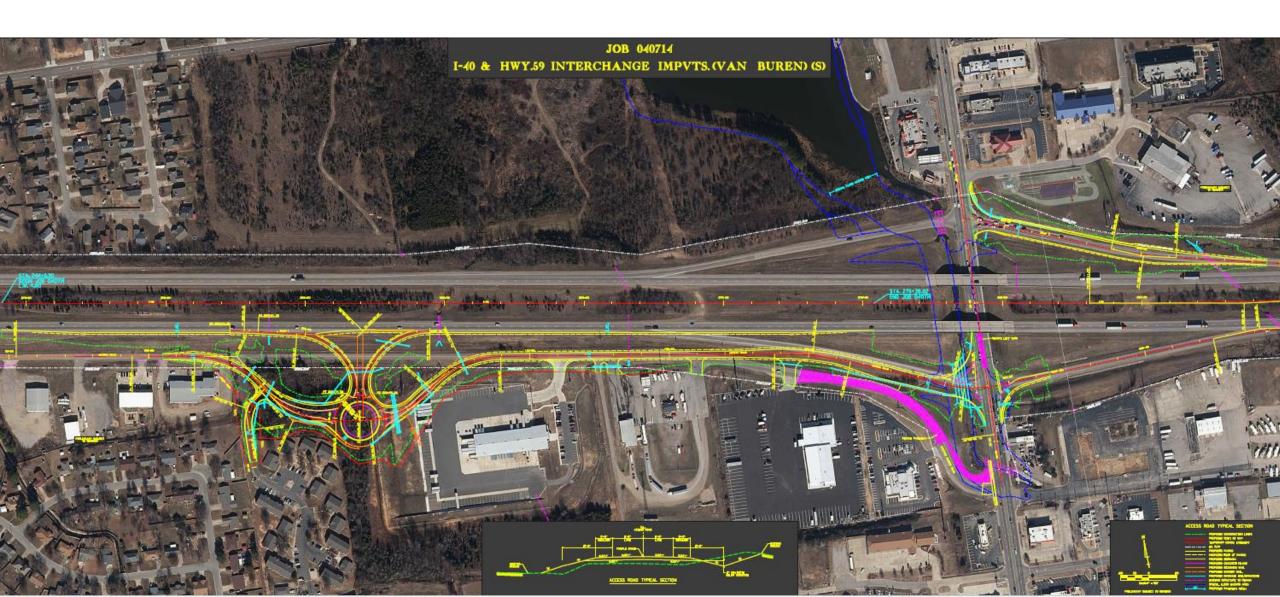
- Pavement Preservation
- 9 Miles
- Est. Cost: \$3-5 Million
- Scheduled 2025

INTERSTATE 40/HIGHWAY 59



- Interchange Improvements
- 0.5 Mile
- Est. \$10-20 Million
- Scheduled for Mid 2024

INTERSTATE 40/HIGHWAY 59

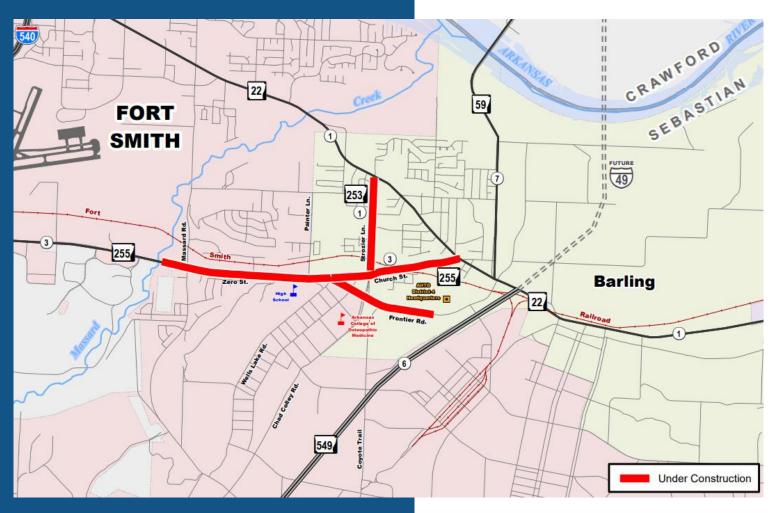


INTERSTATE 540

- Resurfacing & Joint Repair
- 7 Miles
- \$22 Million contract awarded to Emory Sapp & Sons
- Est. Completion Mid 2025



HIGHWAYS 255 & 253



- Widening & Relocation
- 4 Miles
- Awarded to Forsgren, Inc. for \$19.3 million
- Construction scheduled to be complete late 2025

HIGHWAY 10

Greenwood Bypass

- New Location & Reconstruction
- Awarded in Nov. 2023 for \$58 Million
- Contractors: Forsgren, Mobley Construction, and Manhattan Road & Bridge, Joint Venture
- Est. Completion: Late 2026





HIGHWAY 10

Greenwood Bypass

- Major Widening (2 to 5 Lanes)
- 2 Miles
- Project Development Phase



Scan the QR Code to visit our customer service portal!



