

Scott E. Bennett, P.E.
Director



Highway Commission Review & Advisory Subcommittee
February 8, 2018

Agenda Item C

SFY 2018 2ND QUARTER
REPORT TO THE
HIGHWAY COMMISSION
REVIEW & ADVISORY SUBCOMMITTEE



ARKANSAS HIGHWAY COMMISSION
10324 Interstate 30, Little Rock, Arkansas 72209

REPORT TO THE HIGHWAY COMMISSION REVIEW AND ADVISORY SUBCOMMITTEE OF EACH PUBLIC ROAD CONSTRUCTION PROJECT OF TEN MILLION DOLLARS (\$10,000,000) OR MORE.

QUESTIONS?

Stricken language would be deleted from and underlined language would be added to present law.
Act 1 of the Third Extraordinary Session

1 State of Arkansas
2 90th General Assembly
3 Third Extraordinary Session, 2016
4
5 By: Representatives Davis, Eaves, Brown, Della Rosa, J. Mayberry, Ballinger, Bell, Cozart, Dotson,
6 Eads, Eubanks, Henderson, House, Lemons, Speaks, Sullivan
7 By: Senator Hester
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Call Item 2

A Bill

HOUSE BILL 1009

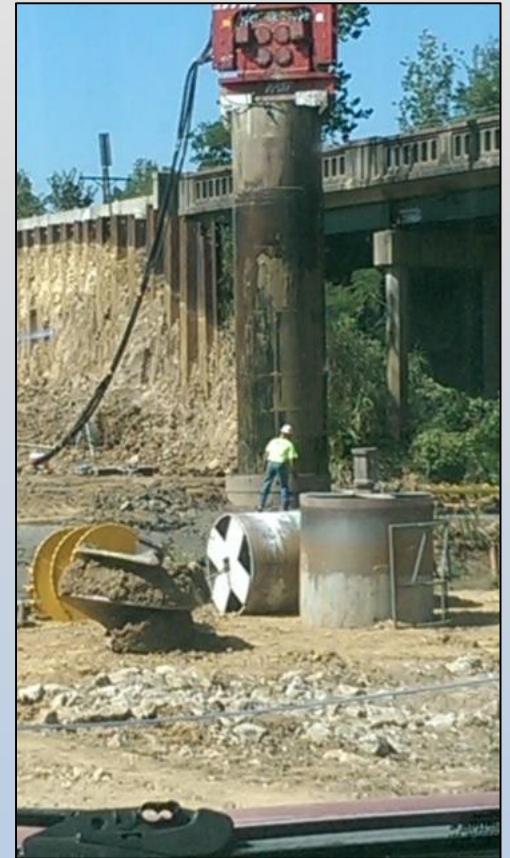
For An Act To Be Entitled

AN ACT TO CREATE THE ARKANSAS HIGHWAY IMPROVEMENT
PLAN OF 2016; TO DECLARE AN EMERGENCY; AND FOR OTHER
PURPOSES.

Subtitle

TO CREATE THE ARKANSAS HIGHWAY
IMPROVEMENT PLAN OF 2016; AND TO DECLARE
AN EMERGENCY.

Update on Job 100686 Highway 63 – Black Rock to Portia Lawrence County



Summary



*Arkansas Department Of Transportation
Summary Progress Report
Projects Awarded at \$10 Million or More*

Contract ID: 100686
Contract Name: Black Rock-Portia (S)
Funding Type: Federal & State
District: 10
County: Lawrence
Route: Hwy. 63

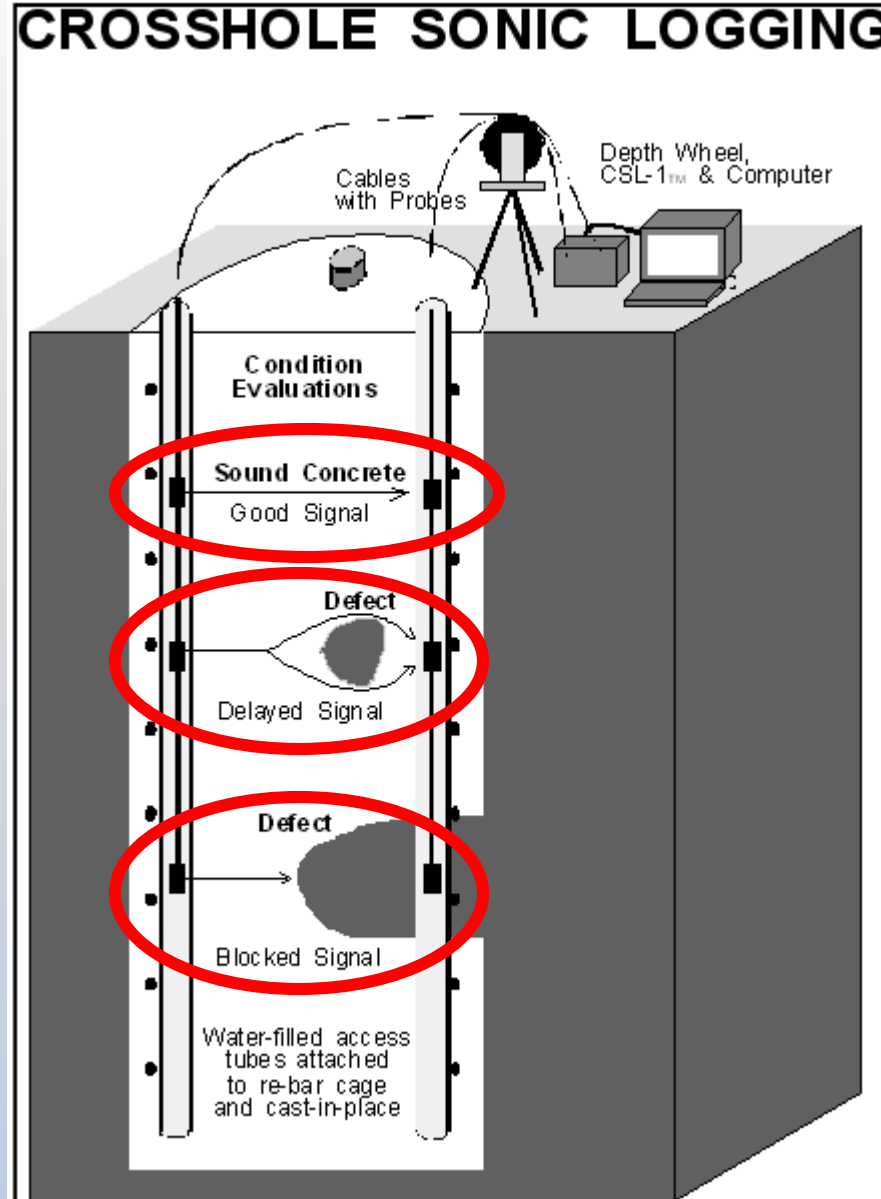
Prime Contractor: Robertson, Inc., Bridge & Grading Div.
Type of Work: Major Widening
Contract Bid Amount: \$13,792,849.65
Current Contract Amount: \$14,039,710.16
Total Amount Paid: \$11,216,460.49
Amount Remaining: ~~\$2,823,249.67~~ (Based on Current Contract Amount)
Percent Complete: 79.9% (Calculated from the Current Contract Amount)
Percent Time Used: 107.1% This is a working day contract.

Letting Date: November 05, 2014
Work Order Date: December 31, 2014
Original Estimated Completion Date: Late 2016
Current Estimated Completion Date: Mid 2018

Description of Project:

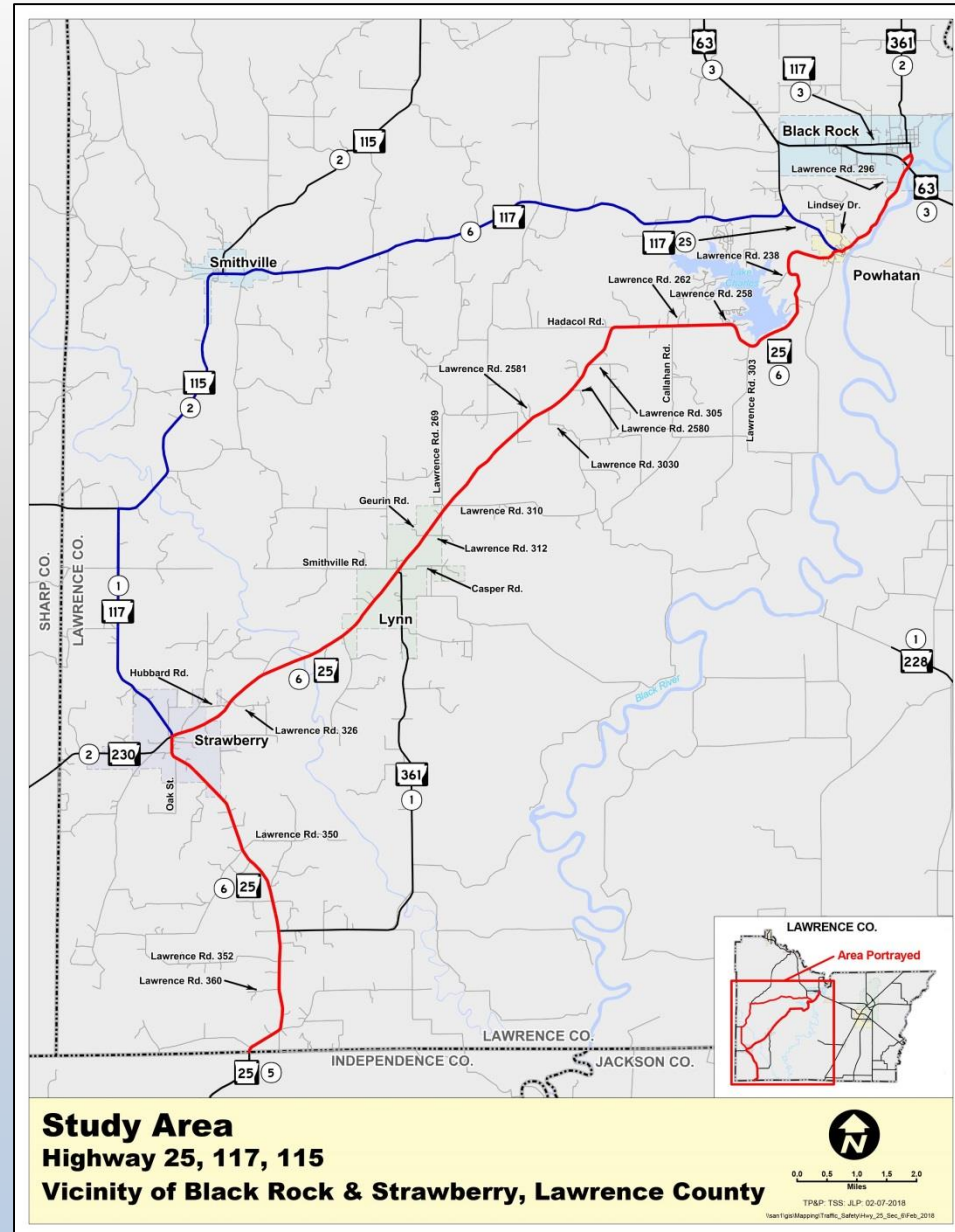
The purpose of this project is to widen 1.5 miles of Hwy. 63 from two lanes to five lanes in Lawrence County.

Crosshole Sonic Logging

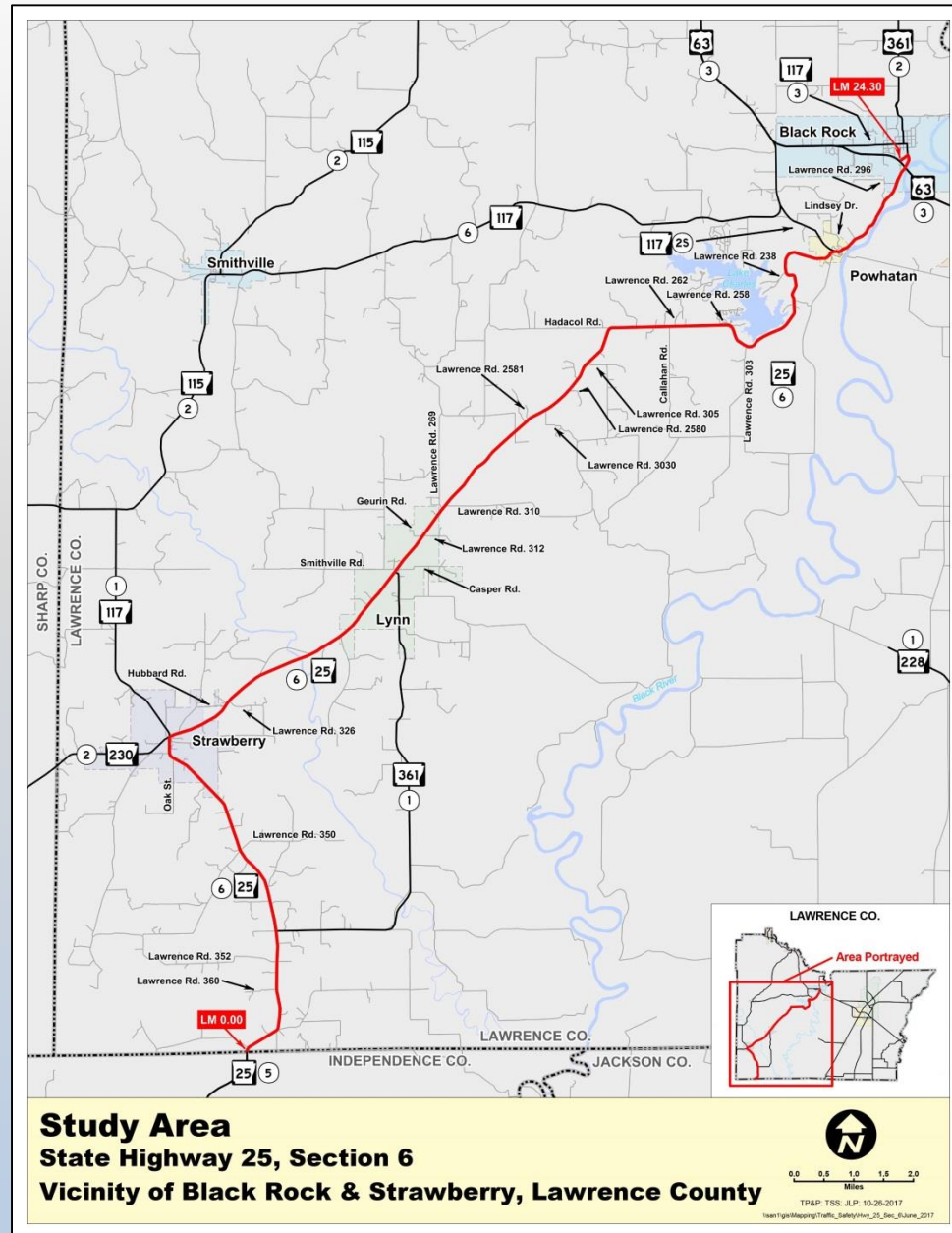


Agenda Item D-2

Safety on Highway 117/115 and Highway 25



Highway 25







ARKANSAS DEPARTMENT OF TRANSPORTATION
AsDOT.gov | IDriveArkansas.com | Scott E. Bennett, P.E., Director
10324 Interstate 30 | P.O. Box 2261 | Little Rock, AR 72203-2261 | Phone: 501.569.2000

INTEROFFICE MEMORANDUM

December 15, 2017

TO: Mr. Emanuel Banks, Deputy Director and Chief Engineer

THROUGH: Kevin Thornton, Assistant Chief Engineer – Planning 

FROM: Jessie Jones, Division Engineer – Transportation Planning and Policy 

SUBJECT: Safety Study
Highway 25, Section 6, Log Mile 0.00 – 24.30
Lawrence County

There have been numerous complaints from local residents regarding the safety of Highway 25 in Lawrence County due to a recent increase in truck traffic. Much of the increased truck traffic is related to a sand-hauling operation and new chicken farms in the area. According to a field traffic count in August 2017, there are approximately 189 trucks per day along Highway 25. The 2017 Average Daily Traffic (ADT) ranges from 1,000 vehicles per day (vpd) south of Strawberry to 1,800 vpd near Black Rock.

Crash Analysis

At the request of the local officials, a safety analysis was conducted on Highway 25, Section 6 in Lawrence County (Attachment A). The study segment is a rural two-lane undivided minor arterial on rolling terrain with mostly 10-foot lanes and no paved shoulders. The southern portion of Highway 25 from the Independence County line to Strawberry (from approximately Log Mile 0.00 to 6.20) is part of the identified Southwest Heritage Trail.

The crash analysis conducted, using data from 2011 through 2015, showed that the fatal and serious injury (KA) crash rate was almost double the statewide average for similar facilities over the same time period (Attachment B). Over 80 percent of all crashes were roadway departure crashes, which includes single vehicle crashes, sideswipe crashes, and head-on crashes. A review of KA crash data from January 2016 to October 2017 shows one fatal crash in 2016 and one serious injury crash in 2017 (Attachment C). Both were single vehicle crashes.

A field visit was held on June 26, 2017 with local representatives and staff members from District 10, Roadway Design, and Transportation Planning and Policy. Generally, the local citizens have two major concerns along this highway: inadequate drainage and narrow bridges. The inadequate drainage causes safety hazards due to water covering parts of the roadway when the area experiences heavy rainfall. Also, the narrow width of bridges causes near sideswipe misses with large trucks. A review of the crash data revealed no significant number of either drainage related crashes or sideswipe crashes at bridges to warrant countermeasures. However, the pavement friction numbers are low in certain areas.

Agenda Item D-2

ARKANSAS STATE HIGHWAY COMMISSION

MINUTE ORDER

District: Ten

Page 1 of 1 Page

County: Lawrence

Category: Improvement Project

WHEREAS, IN LAWRENCE COUNTY, a crash analysis of Highway 25, Section 6 has been completed; and

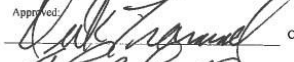
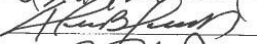
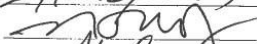
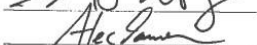
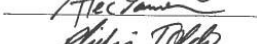
WHEREAS, the predominant type of crashes in the study area is roadway departure crashes; and

WHEREAS, the analysis identified safety improvements such as pavement widening, ultra-thin bonded wearing course, shoulder rumble stripes, superelevation adjustments, guardrail replacement, chevron alignment signs, and tree trimming to address roadway departure crashes and provide substantial safety benefits; and

WHEREAS, the Arkansas Strategic Highway Safety Plan (2017) identified roadway departure crashes as a primary emphasis area; and

WHEREAS, these improvements are eligible for Federal-aid Safety funds.

NOW THEREFORE, the Director is authorized to proceed with plans and construction of a safety improvement project on this section of Highway 25 as funds become available.

Approved:  Chairman
 Vice-Chairman
 Member
 Member
 Member

TP&P

Form 19-456
Rev. 1/13/2016

Submitted By:  Assistant Chief Engineer - Planning
Approved:  Director
Minute Order No. 2018-013
Date Passed FEB 6 2018

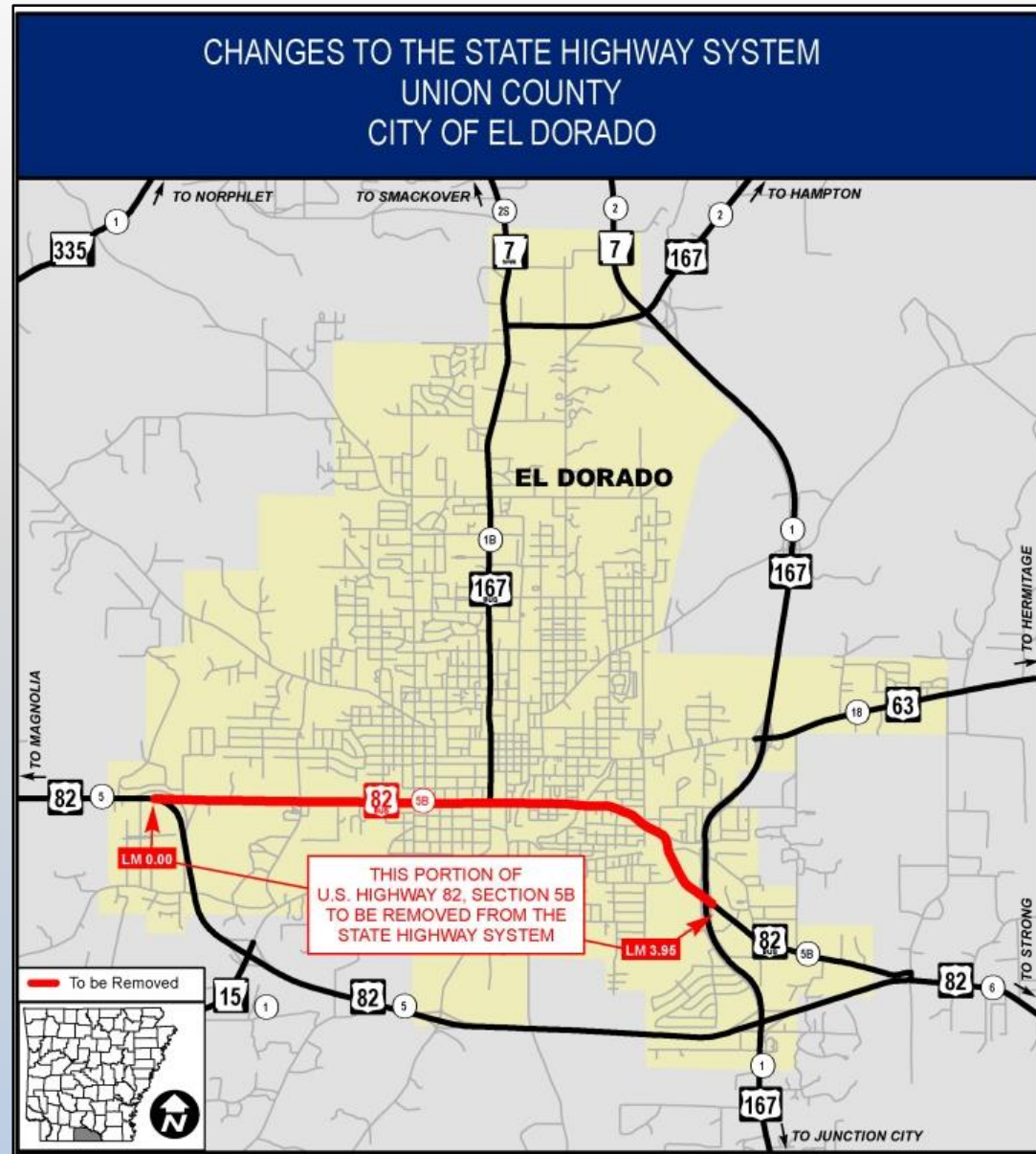
Arkansas Highway Commission December 6, 2017 Meeting



El Dorado Partnering Agreement



- El Dorado requested alternatives outside regular scope of work of Department
- El Dorado agrees to assume ownership of a section of state highway
- El Dorado provides funding for upgraded design features



Washington Bypass Study

- First bypass study conducted 1974
- Update authorized January 28, 2015
- Purpose was “to identify feasible alternatives to reduce traffic and address safety concerns within Historic Washington State Park”
- Greatest safety concern is the high volume of pedestrian traffic crossing Highway 278

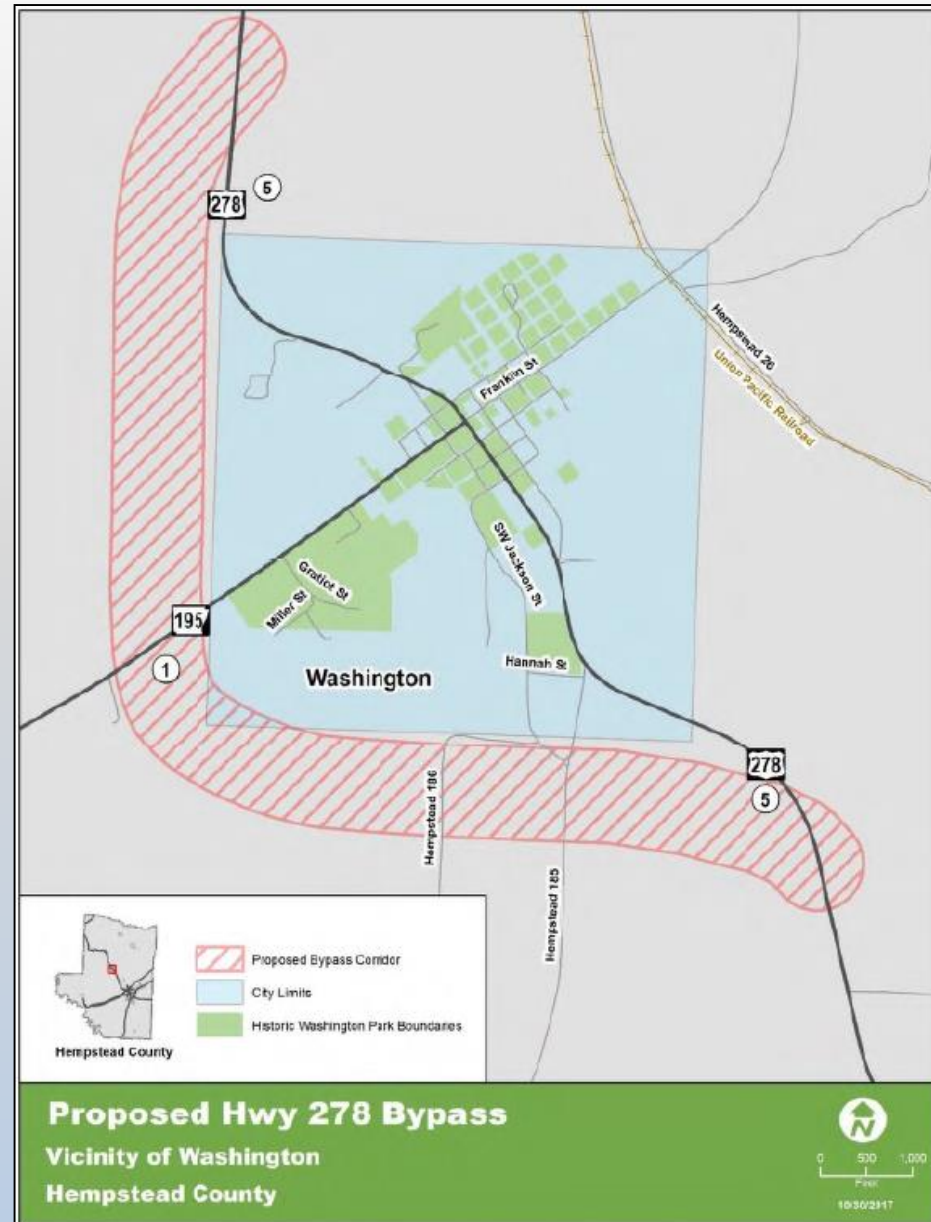
HIGHWAY 278 BYPASS FEASIBILITY STUDY

HISTORIC WASHINGTON STATE PARK
HEMPSTEAD COUNTY

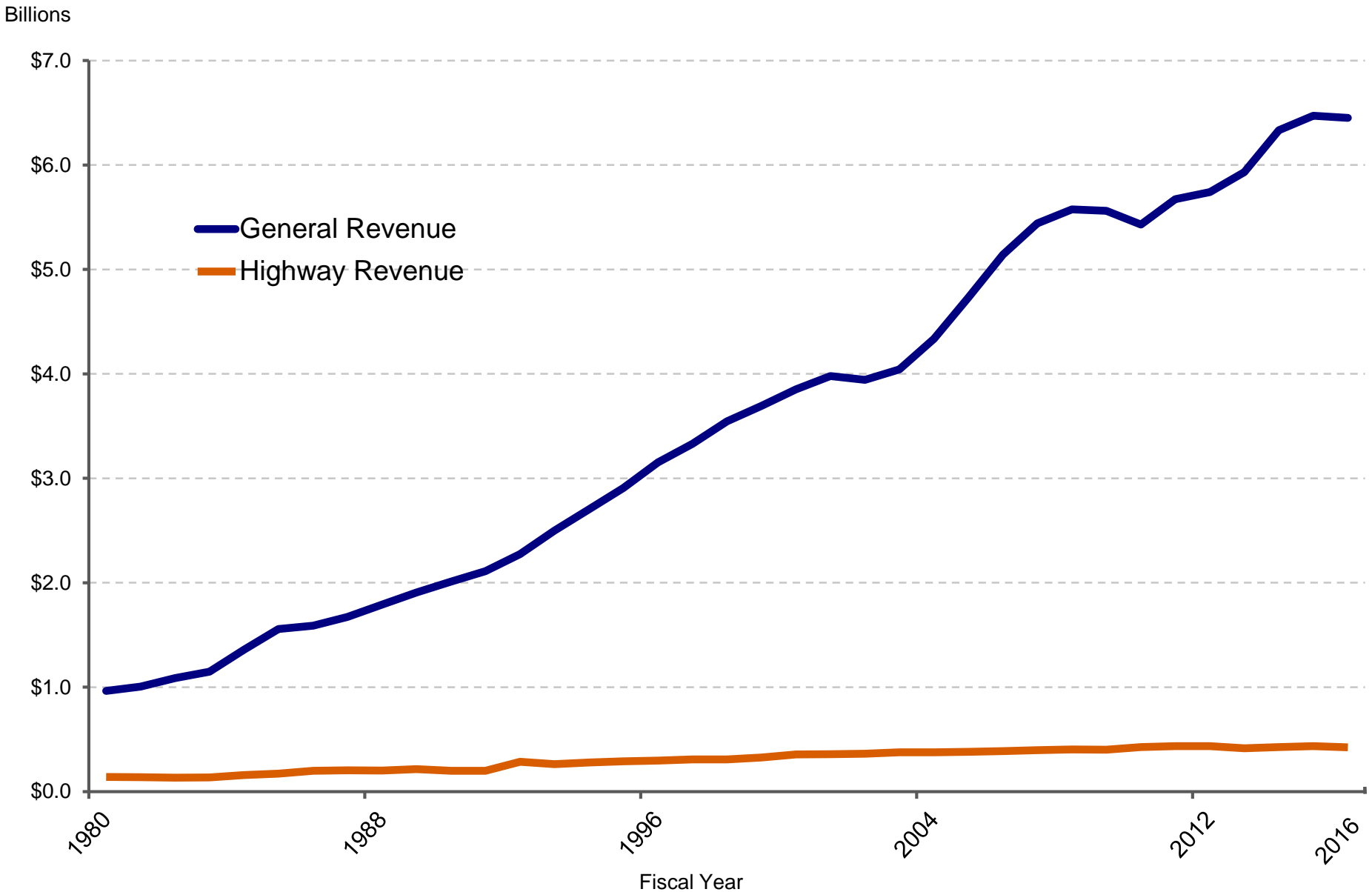


Washington Bypass Study Info

- Proposed solution is a western bypass
- Estimated total cost of nearly \$10 million
- Recommends partnering with local stakeholders
- Letter with cost information sent to Parks & Tourism

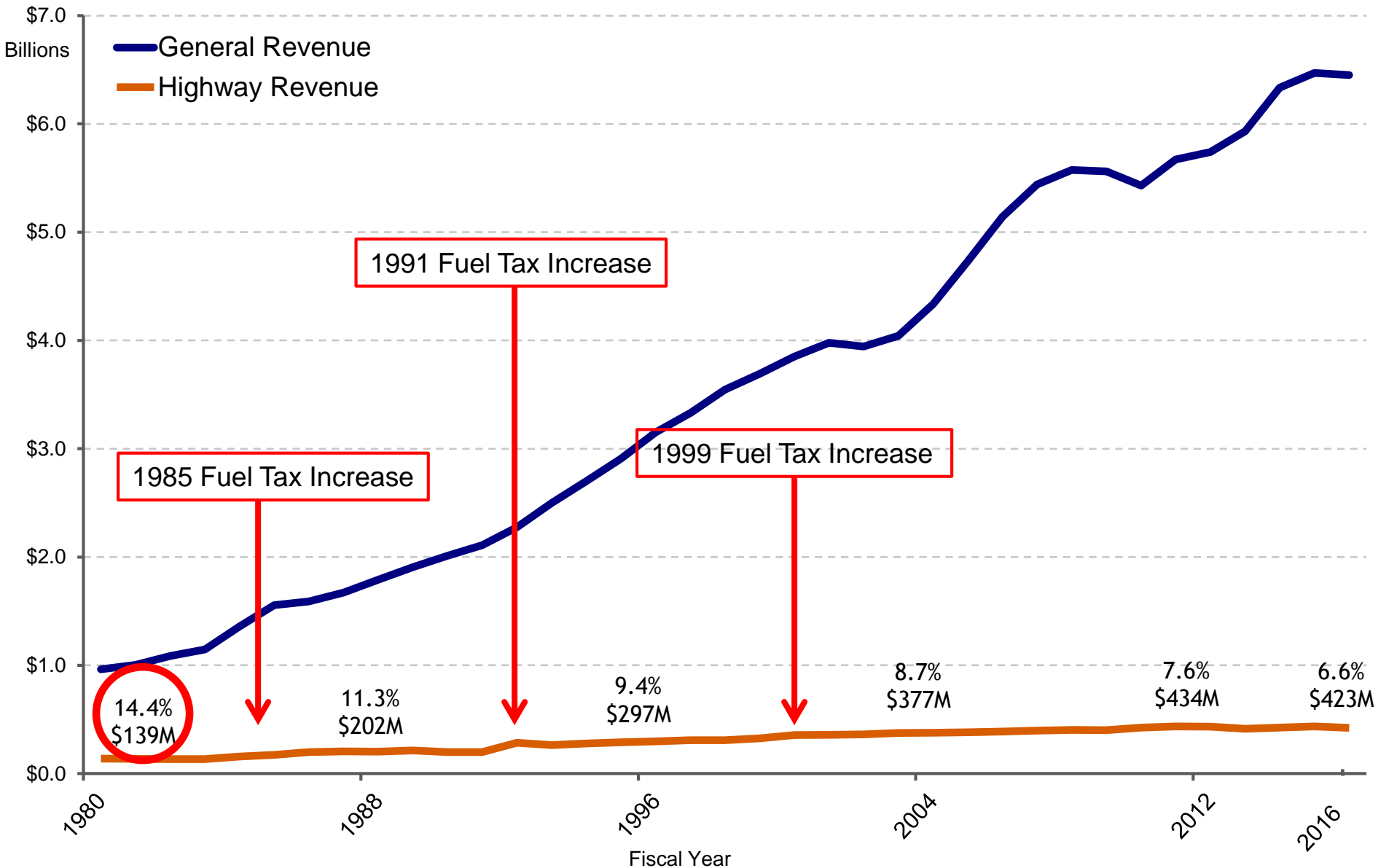


State Highway vs General Revenue

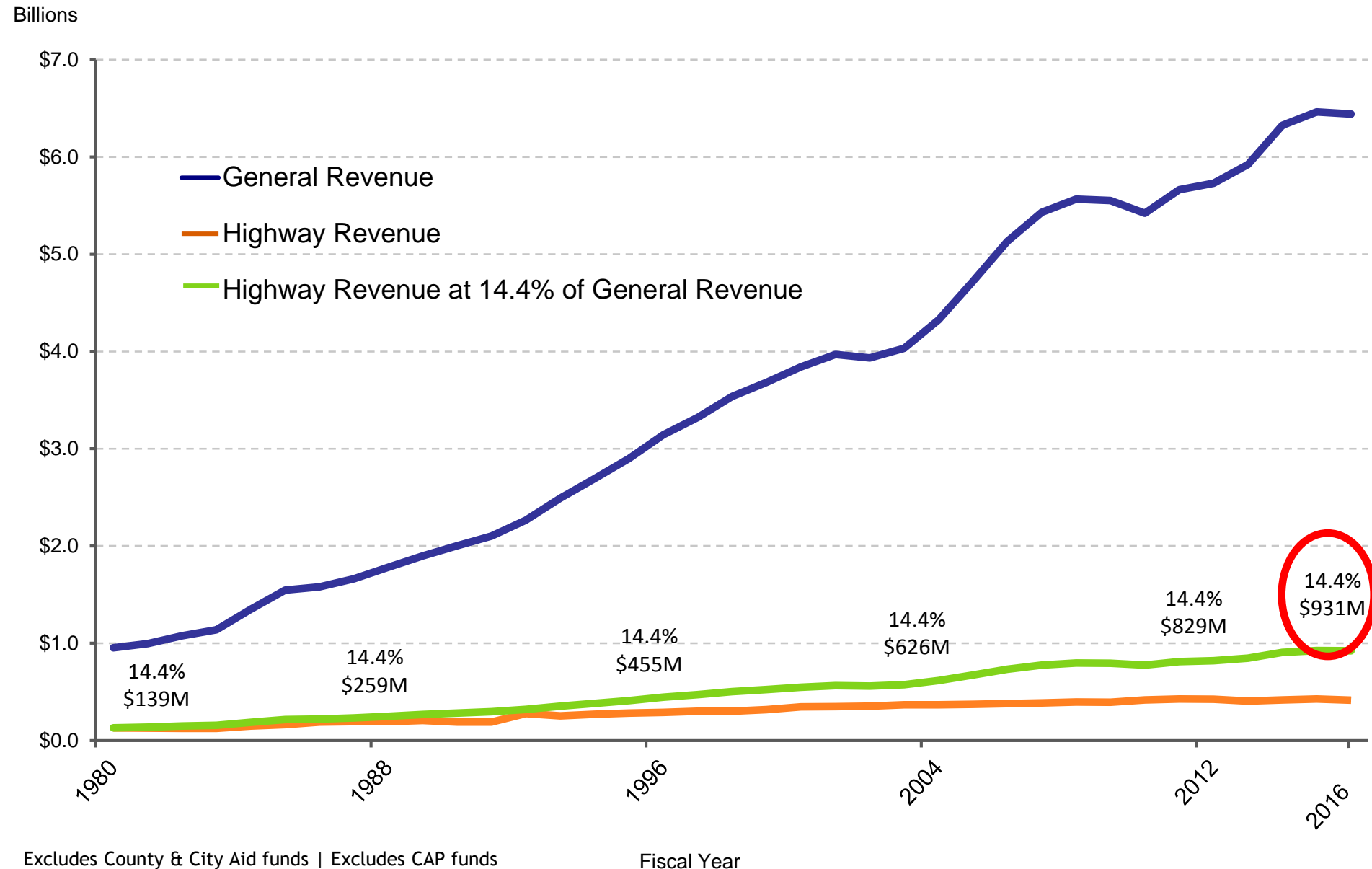


Excludes County & City Aid funds | Excludes CAP funds

Percent of Highway vs. General Revenue



Highway Revenue at 14.4% of General Revenue



Arkansas State Highway Needs

Exhibit III

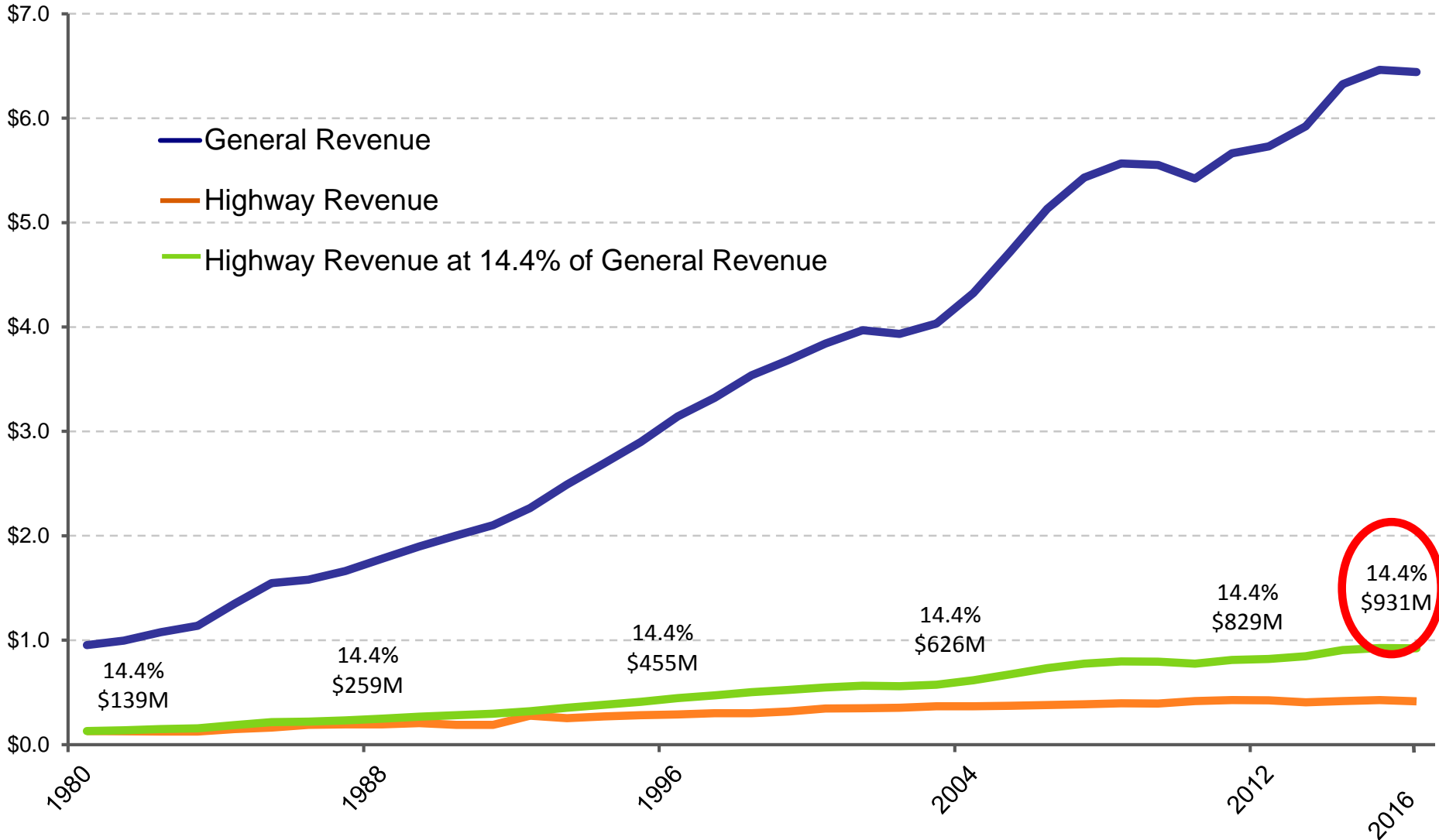
Arkansas Department of Transportation (ARDOT) Summary of Annual State Funds Needed to Meet Proposed Highway Construction Plan Over a 10-Year Period

	Annual Funds Needed for	Annual Funds Available for Highway Construction	Additional Annual State Revenues Needed for Highway Construction Plan
	137,000,000	\$ 250,000,000	
	90,000,000	27,000,000	
	227,000,000	277,000,000	
	157,000,000	148,000,000	
	44,000,000	42,000,000	
Equipment upgrades	19,000,000	19,000,000	
Facilities upgrades	8,000,000		8,000,000
Intelligent Transportation System (ITS)	3,000,000		3,000,000
Total Maintenance	30,000,000	19,000,000	11,000,000
Totals	\$ 925,000,000	\$ 447,000,000	\$ 478,000,000

Note: Amounts shown are rounded.

Highway Revenue at 14.4% of General Revenue

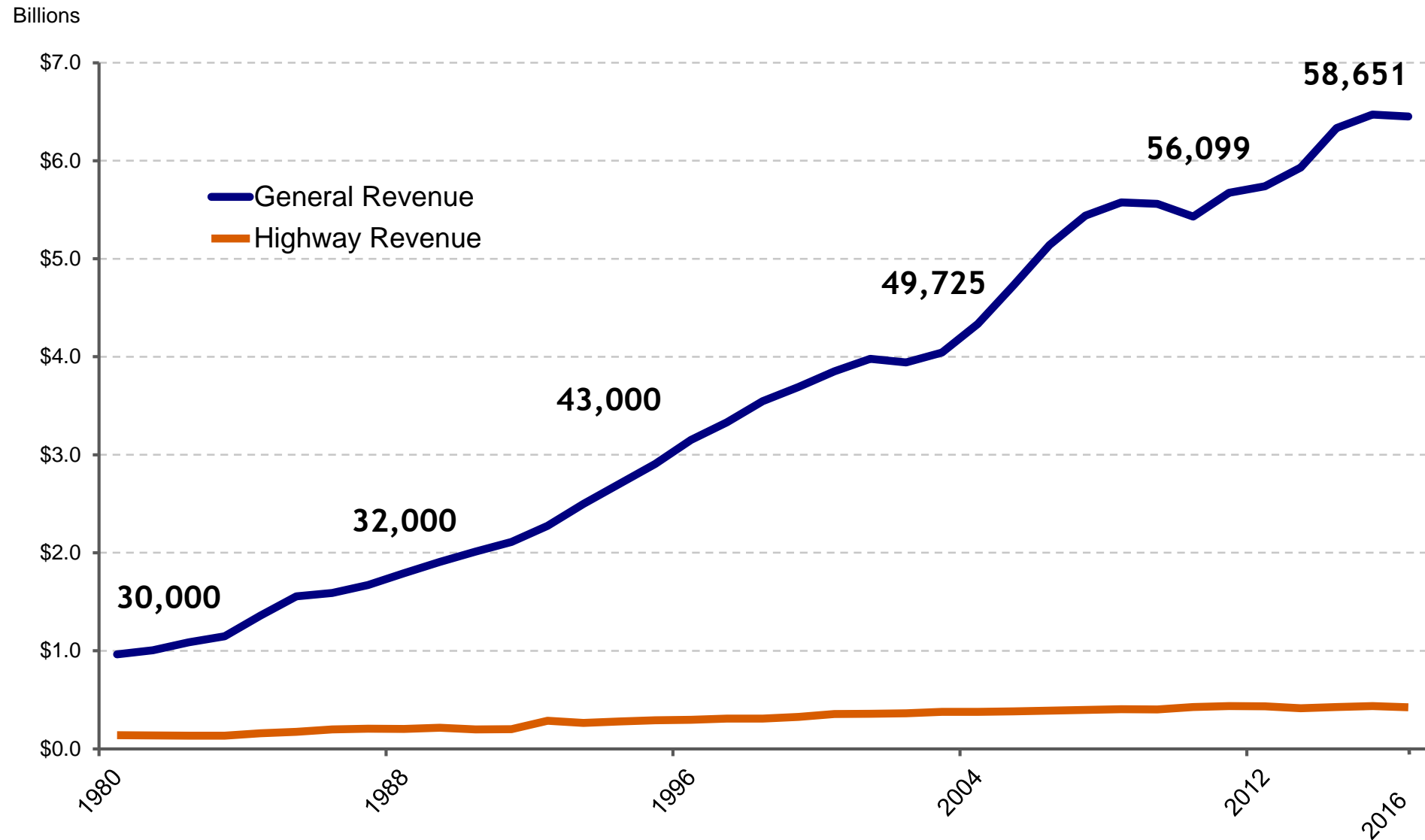
Billions



Excludes County & City Aid funds | Excludes CAP funds

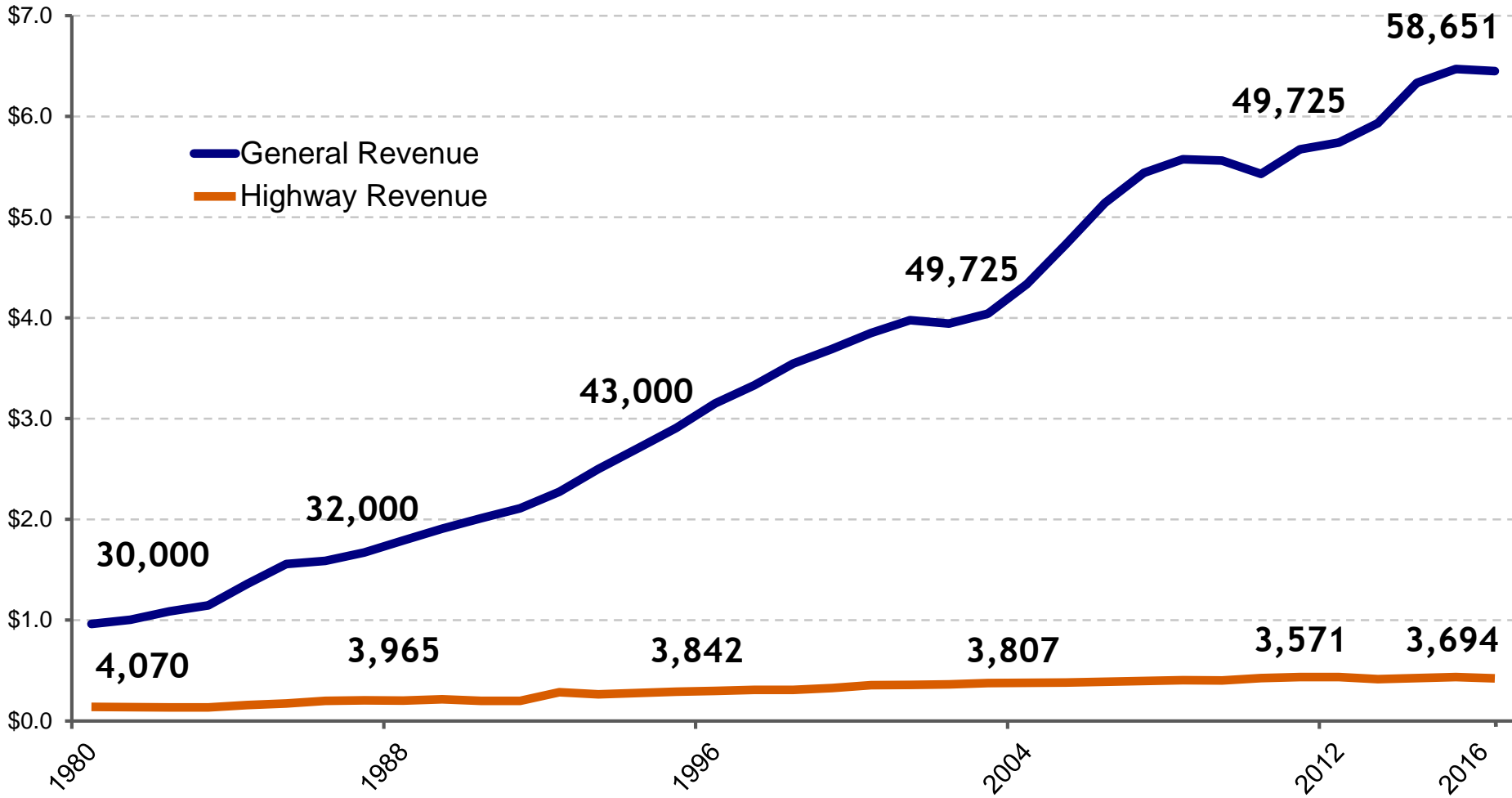
Fiscal Year

Hwy vs. General Revenue – Employment Levels



Hwy vs. General Revenue – Employment Levels

Billions



AASHTO Faces of Transportation



Arkansas Highway Commission February 6, 2018 Meeting





- **Act 809 - Construction Manager/General Contractor**
- **Alternative Project Delivery**
- **Pilot Program**
 - ✓ Limit of Three Projects
 - ✓ Grand Total Not to Exceed \$200 million
 - ✓ One Project at a Time
 - ✓ Program Expires July 31, 2022



- First CM/GC project: Highway 10 (Cantrell Road)
 - Pleasant Valley Road to Pleasant Ridge Road
- Kiewit Infrastructure South Co. of Fort Worth selected as the CM/GC
- Innovative Contracting & Engineering of Las Vegas, Nevada, selected as the Independent Cost Estimator for the project



Federal Highway Funding Issues

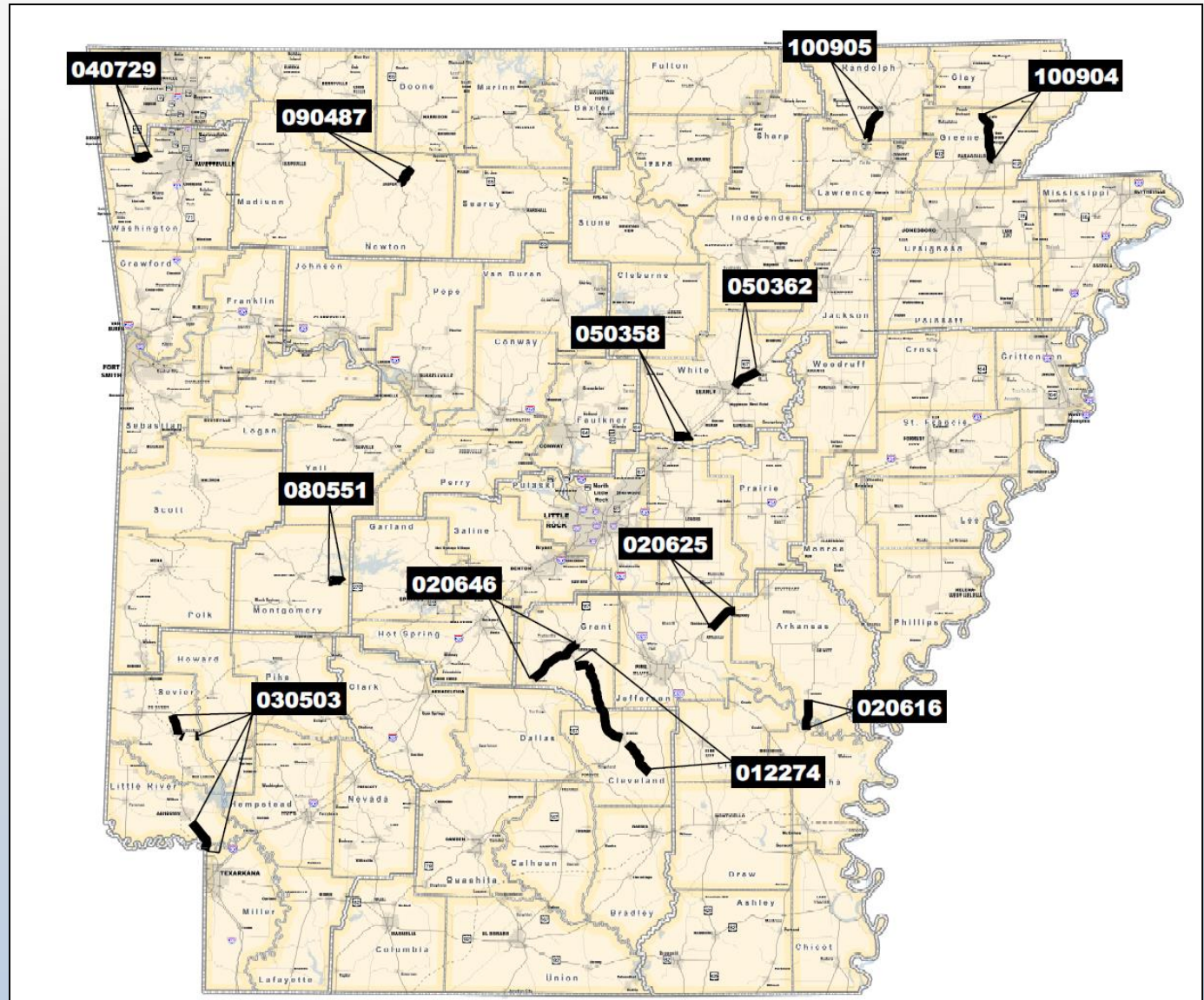
- Continuing Resolutions and a Government Shutdown
- Current Funding Ends February 8th
- Current Impacts
- Potential Future Impacts
- 40% Reduction



Projects Withdrawn from February Letting

12 Projects

\$26.5 Million



Proposed Outline of Trump Infrastructure Package Leaked

Contents Similar to Past Discussions

**Major Emphasis on Encouraging
State, Local, and Private Investment**

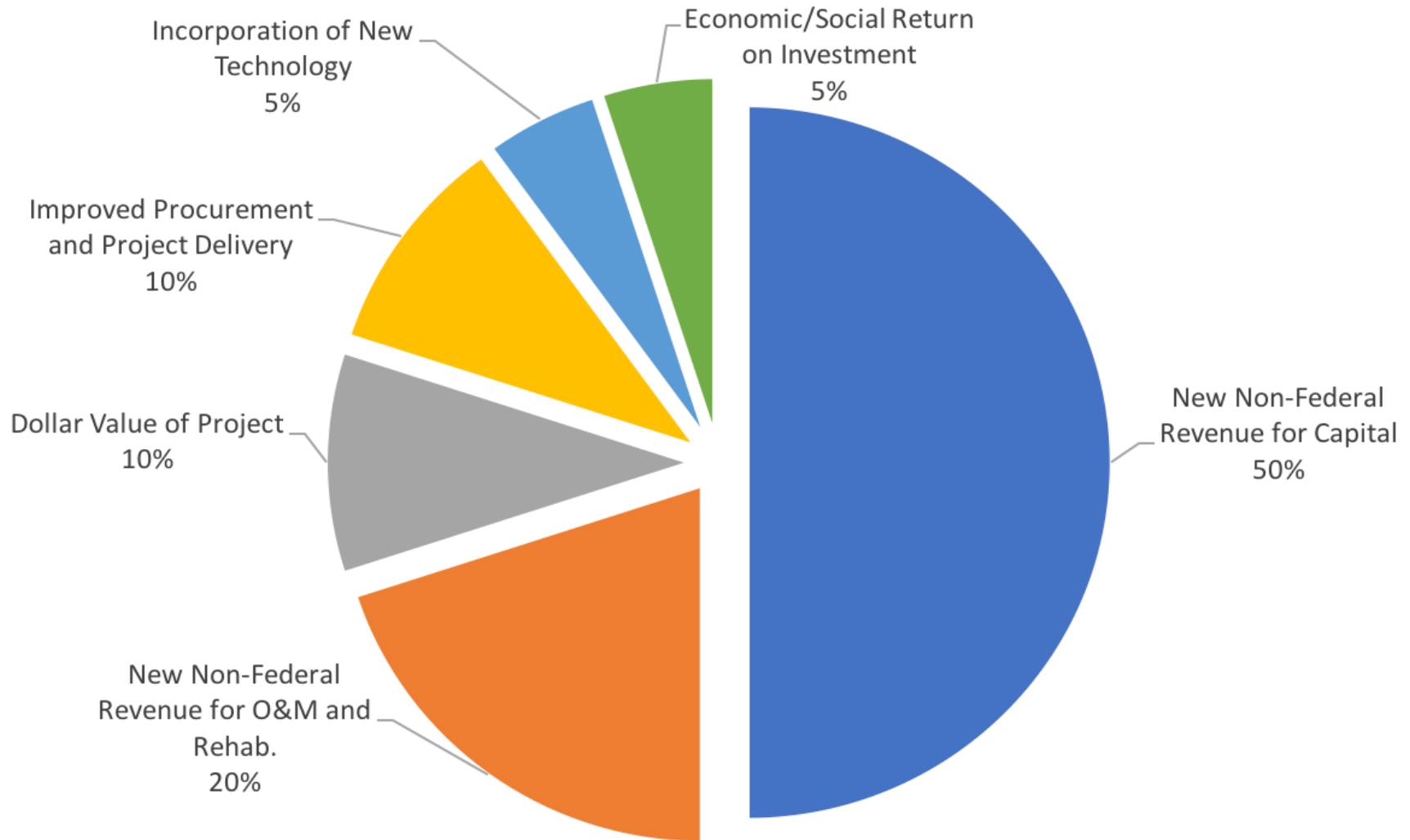


Recently Leaked Infrastructure Plan

- **Infrastructure Incentives Initiative – \$100 Billion or 50%**
- Transformative Projects Program – \$20 Billion or 10%
- Rural Infrastructure Program – \$50 Billion or 25%
- Federal Credit Programs – \$14.1 Billion or 7.05%
- Federal Capital Financing Fund – \$10 Billion or 5%
- Public Lands Infrastructure Fund
- Disposition of Federal Real Property
- Private Activity Bonds



Recently Leaked Infrastructure Plan



Weighting Of Evaluation Criteria
For \$100 Billion Infrastructure Initiatives Incentive

Recently Leaked Infrastructure Plan

- Infrastructure Incentives Initiative – \$100 Billion or 50%
- **Transformative Projects Program – \$20 Billion or 10%**
- **Rural Infrastructure Program – \$50 Billion or 25%**
- **Federal Credit Programs – \$14.1 Billion or 7.05%**
- **Federal Capital Financing Fund – \$10 Billion or 5%**
- **Public Lands Infrastructure Fund**
- **Disposition of Federal Real Property**
- **Private Activity Bonds**



A New Revenue Source?



“The Arkansas Casino
Gaming
and
Highway Funding
Amendment of 2018”

Summary

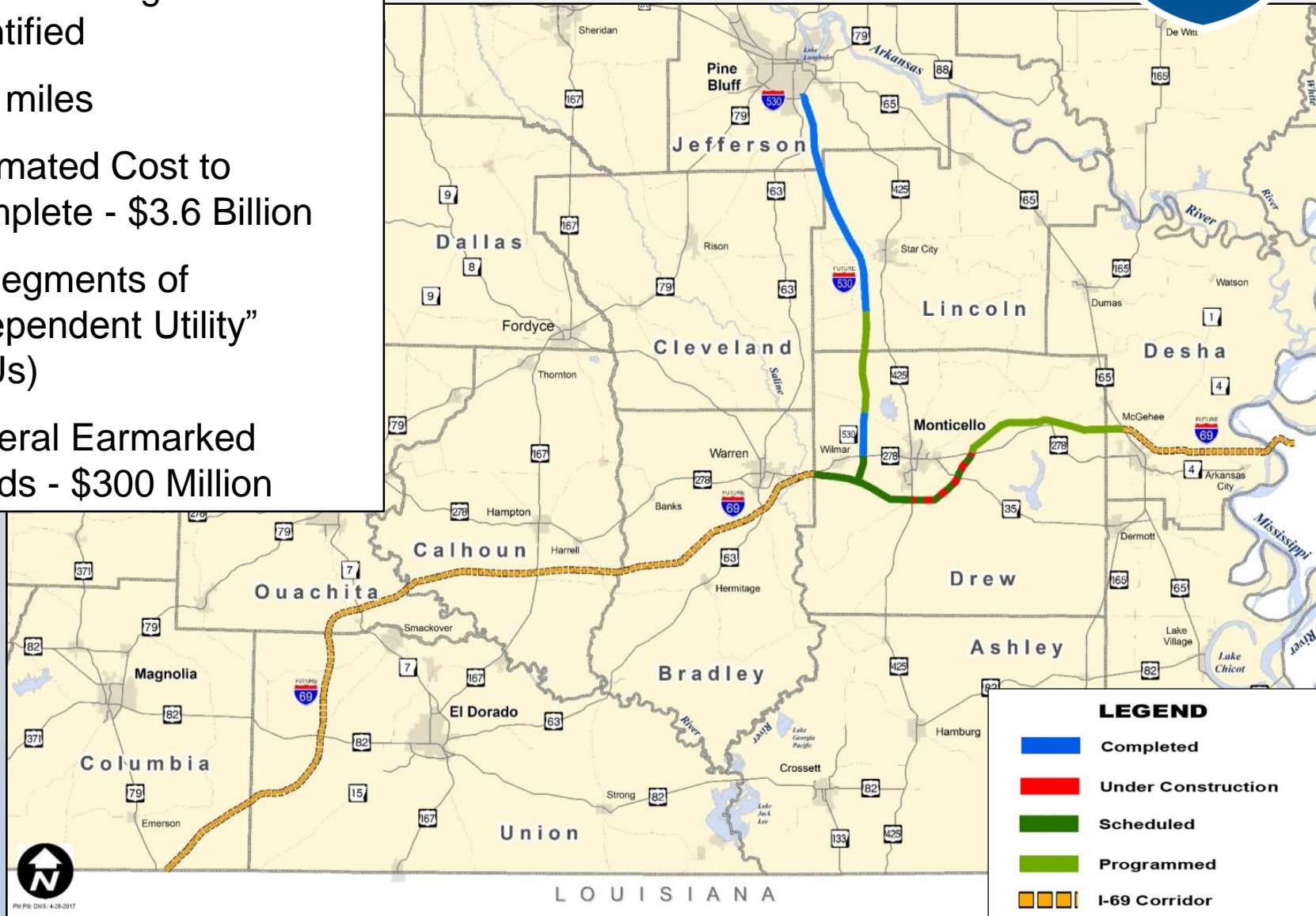
Interstate Improvements	\$1.00 Billion
Pavement Preservation	\$3.84 Billion
Bridge Replacement and Preservation	\$1.14 Billion
Capital Improvements	\$1.20 Billion
Capacity Improvements	\$0.72 Billion
Safety Improvements	\$0.47 Billion

Totals \$8.37 Billion Over 10 Years

I-69 in Arkansas



- Preferred Alignment Identified
- 180 miles
- Estimated Cost to Complete - \$3.6 Billion
- 4 “Segments of Independent Utility” (SIUs)
- Federal Earmarked Funds - \$300 Million



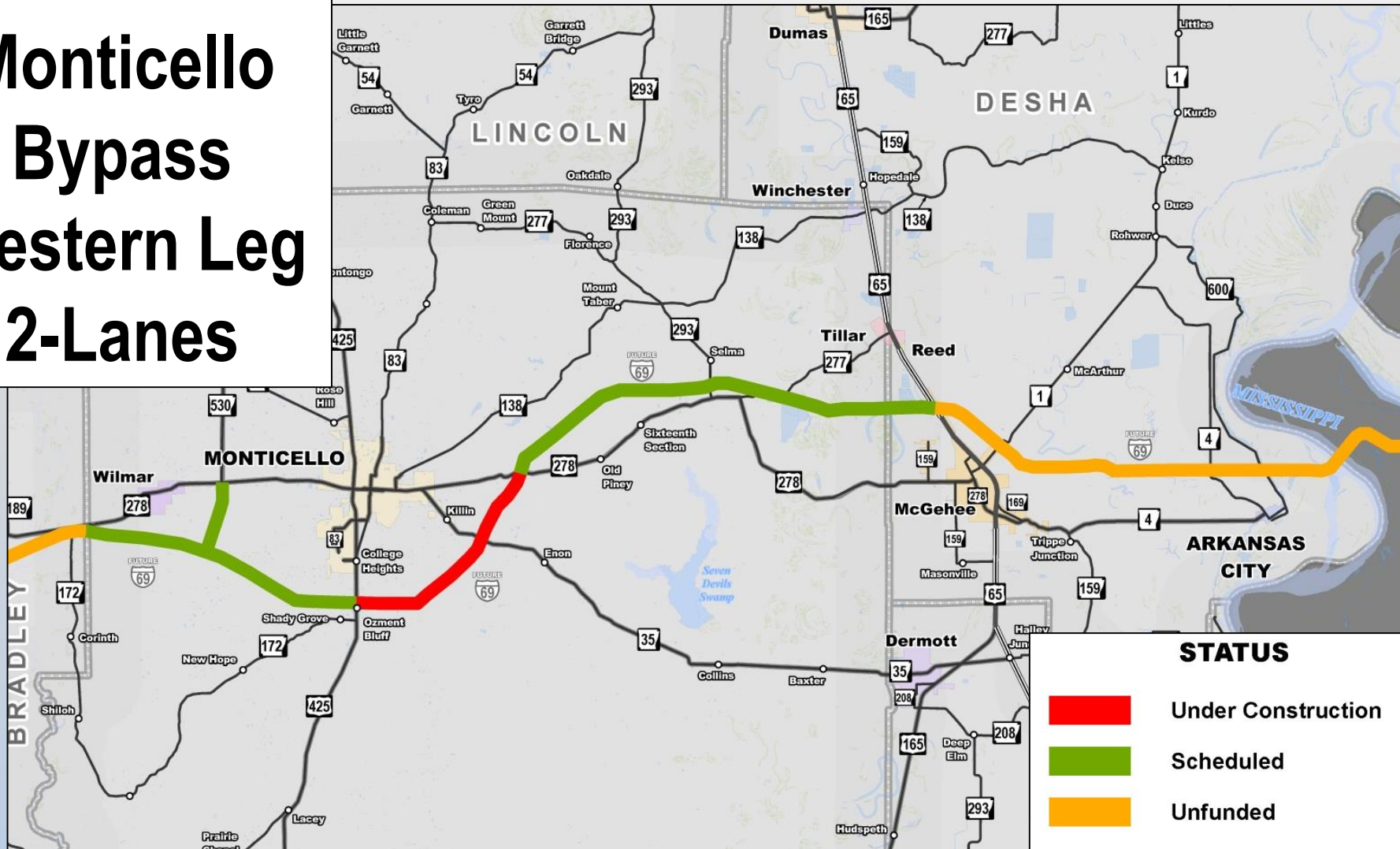
INTERSTATE 69 (SIUs 13 and 14)

Balance of Earmarked Funds - \$66 M

Regular Federal Funds - \$10 M

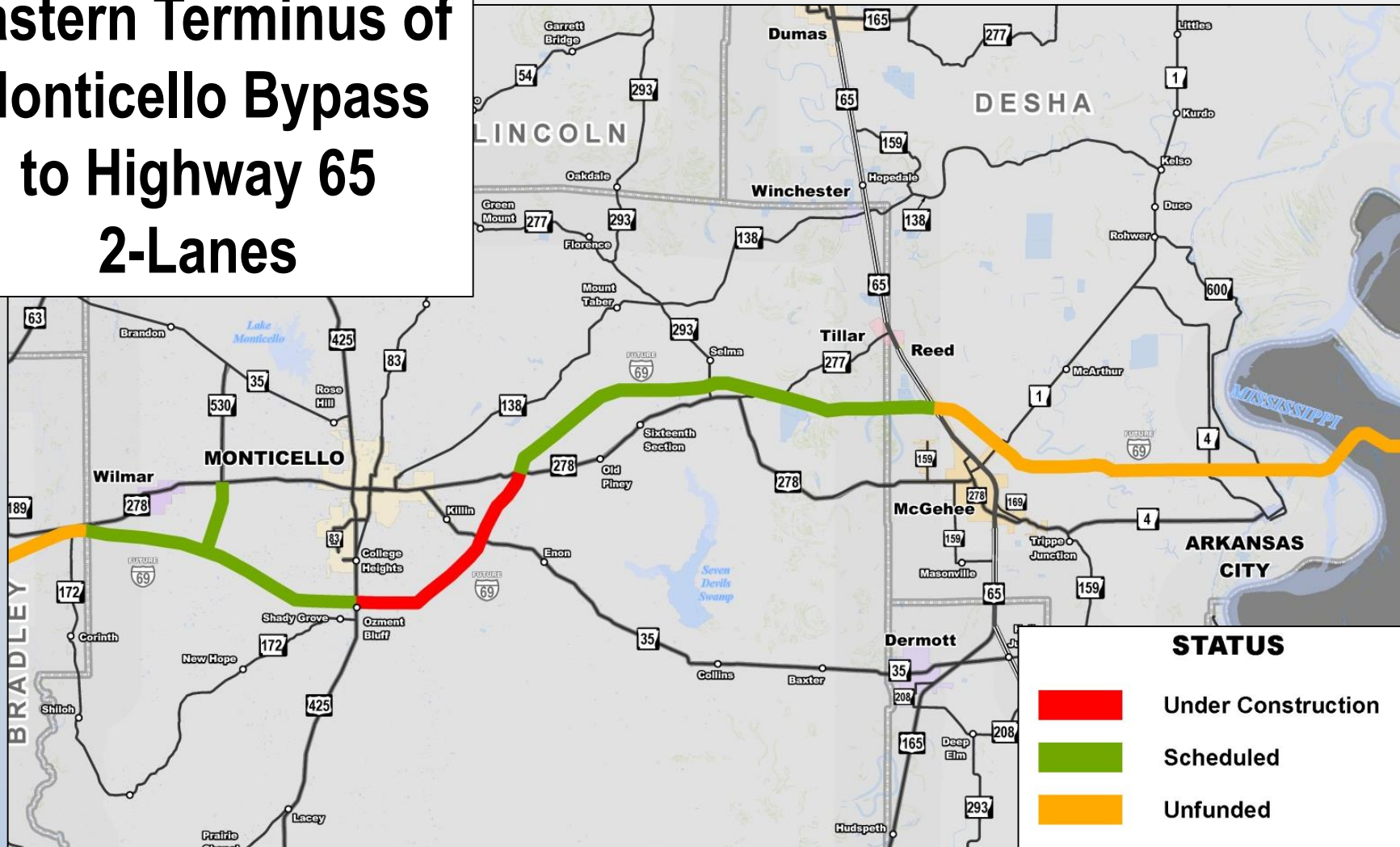
Total Available - \$76 Million

**Construct
Monticello
Bypass
Western Leg
2-Lanes**

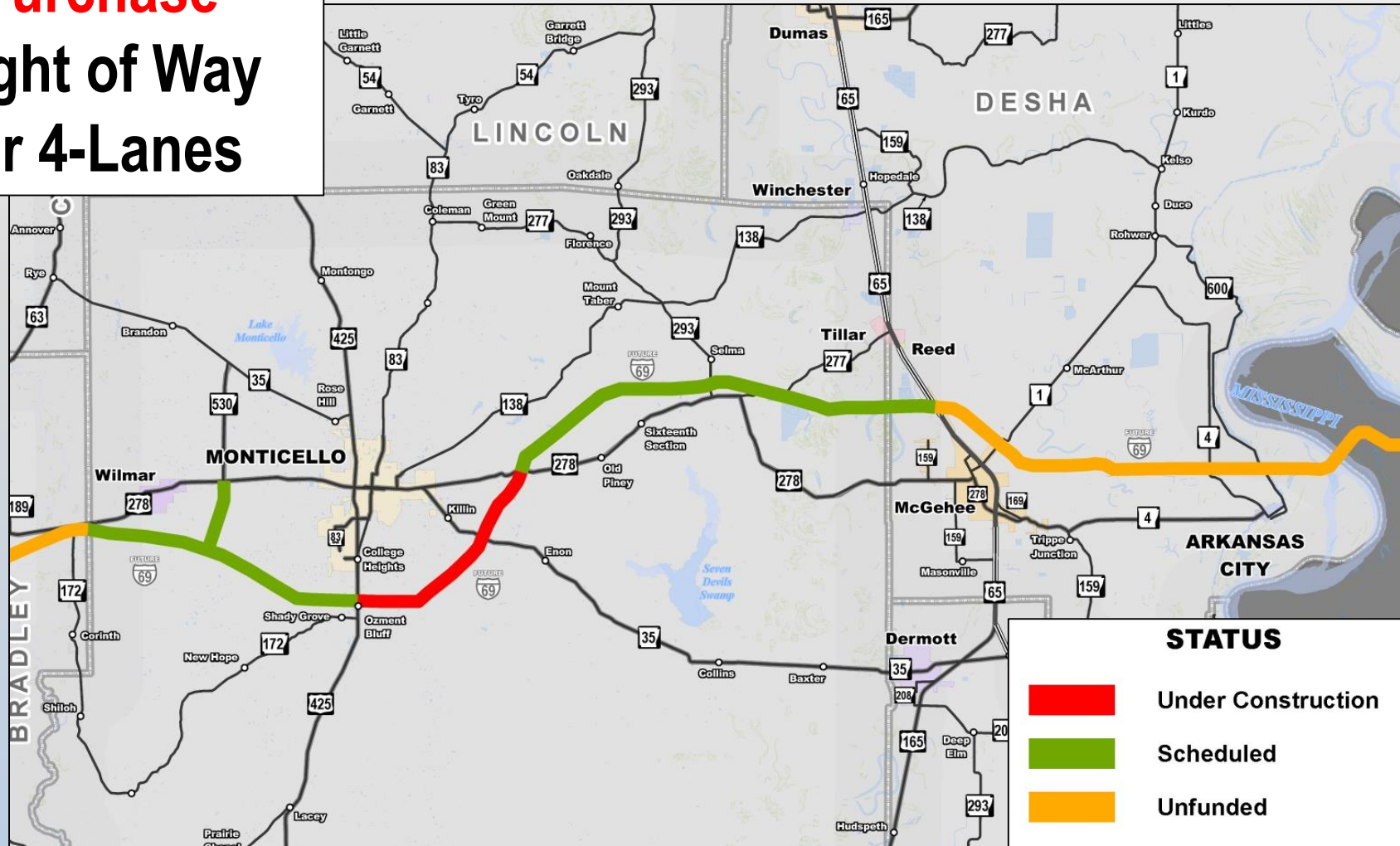


Construct

**Eastern Terminus of
Monticello Bypass
to Highway 65
2-Lanes**



Design Purchase Right of Way for 4-Lanes



SUPPORT

- Drew County Judge and Quorum Court
- Chicot County Judge and Quorum Court
- Desha County Judge and Quorum Court
- Chicot-Desha Metropolitan Port Authority
- Monticello Mayor and City Council
- Monticello Economic Development Commission
- McGehee Mayor
- Crossett Economic Development Foundation
- Southeast Arkansas Cornerstone Coalition
- University of Arkansas at Monticello

OPPOSE

- Bradley County Judge and Quorum Court
- Bradley County Economic Development Corporation

March 14

April 24

June 6

July 11

August 29

October 10

November 14



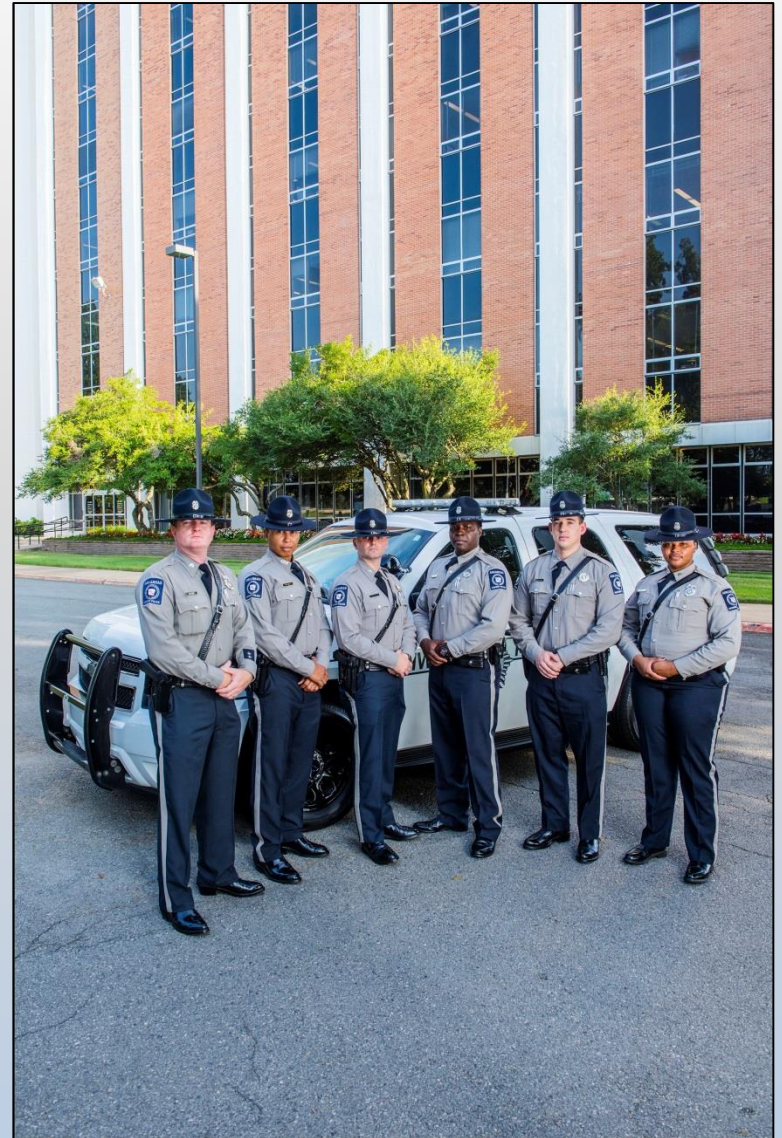
Scott E. Bennett, P.E.
Director



Highway Commission Review & Advisory Subcommittee
February 8, 2018

Electronic Logging Device Mandate

- Federal Motor Carrier Safety Administration (FMCSA) published a rule on Dec 16, 2015 requiring motor carriers to use electronic logging devices (ELD).
- This is a change in logging requirements. **No laws or regulations have been newly instituted or changed** for Commercial Driver License (CDL), Commercial Motor Vehicles (CMV) and or application of regulations to persons hauling livestock or cattle.



Electronic Logging Device Mandate

- ELD Mandate applies to commercial motor vehicle owners/operators only.
- Only impacted if weight is 10,001 pounds or more AND one of the following:
 - Prize money is declared for tax purposes
 - Expenses are deducted for tax purposes
 - Sponsor pays some or all expenses.

