

Arkansas State Highway and Transportation Department



Legislative Committee Meeting

World Trade Center Arkansas – Rogers

Tuesday, April 22, 2014



THE GOOD THE BAD THE UGLY



THE GOOD









- ✓ Invested \$90 million in 20 years
 - Research
 - Contracts
 - Operating Costs

**Mack-Blackwell Study Center
Center for Training Transportation Professionals**



**CTTP Training & Certifications
for 10,000 industry employees
since opened by AHTD in 1998.**

Recent Voter Approved Programs

**November
2011**



**November
2012**



Interstate Rehabilitation Program

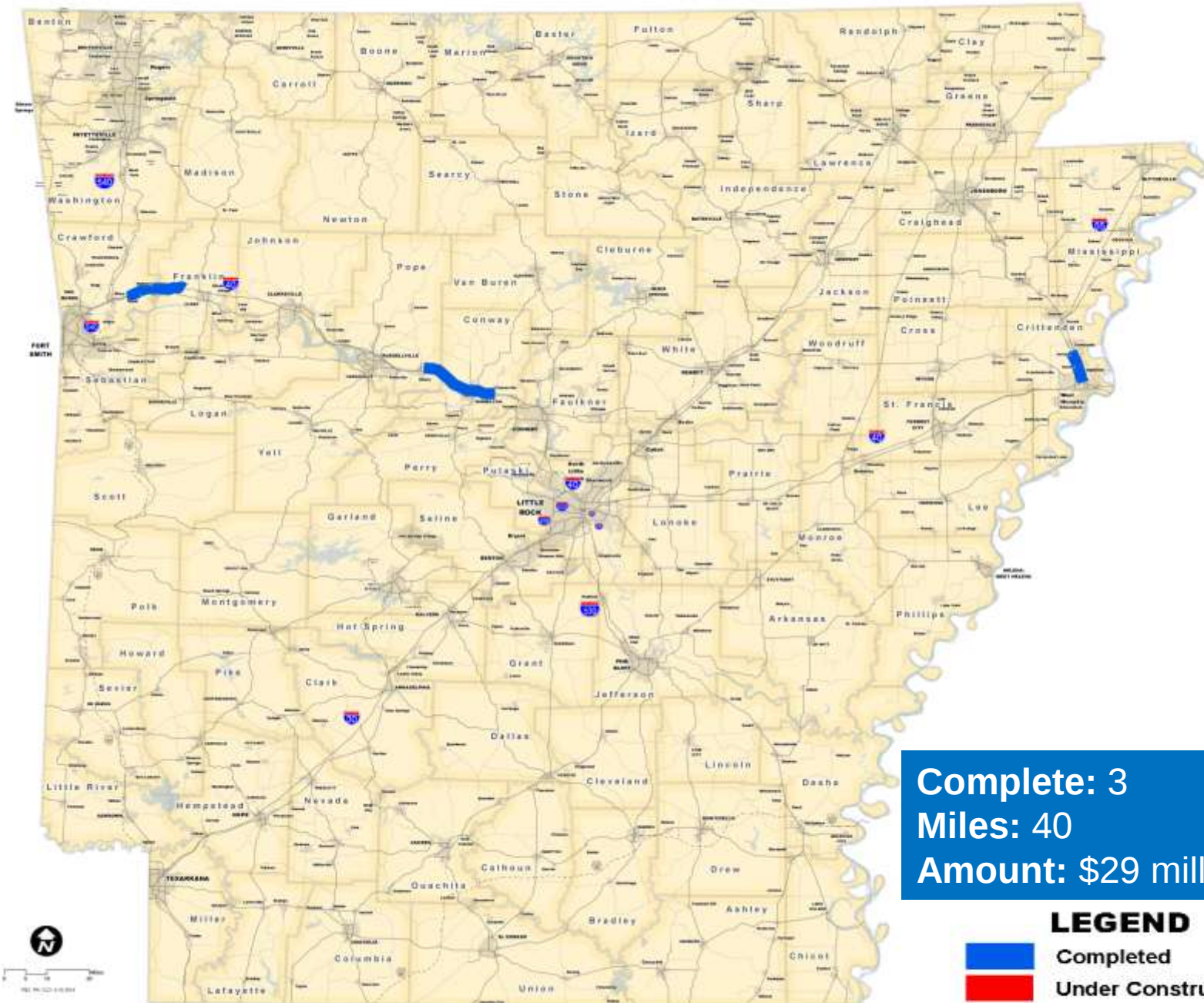
Job Status



Complete: 3
Miles: 40
Amount: \$29 million

LEGEND

-  Completed
-  Under Construction
-  Scheduled



Interstate Rehabilitation Program

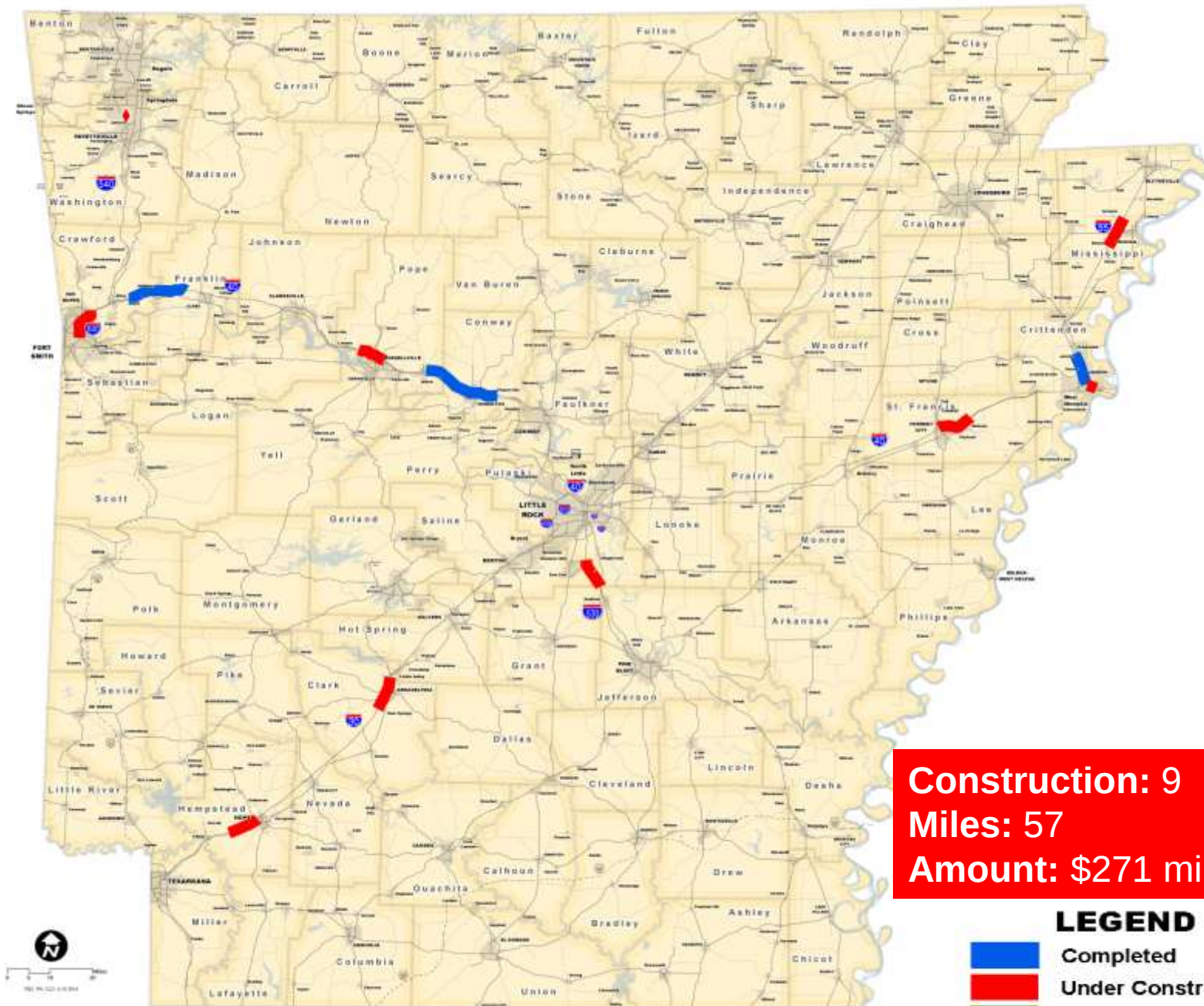
Job Status



**Construction: 9
Miles: 57
Amount: \$271 million**

LEGEND

-  Completed
-  Under Construction
-  Scheduled



Interstate Rehabilitation Program

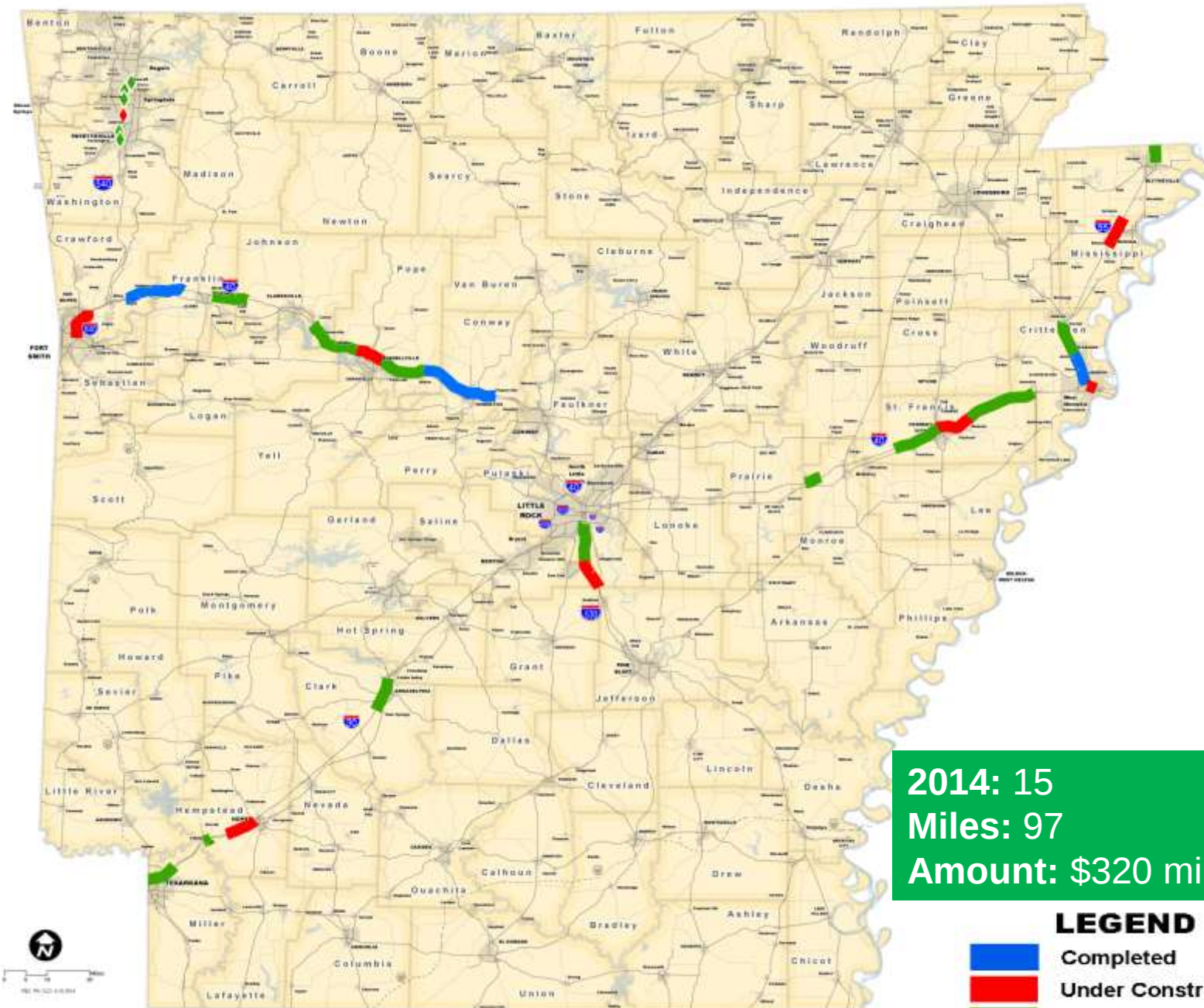
Job Status



2014: 15
Miles: 97
Amount: \$320 million

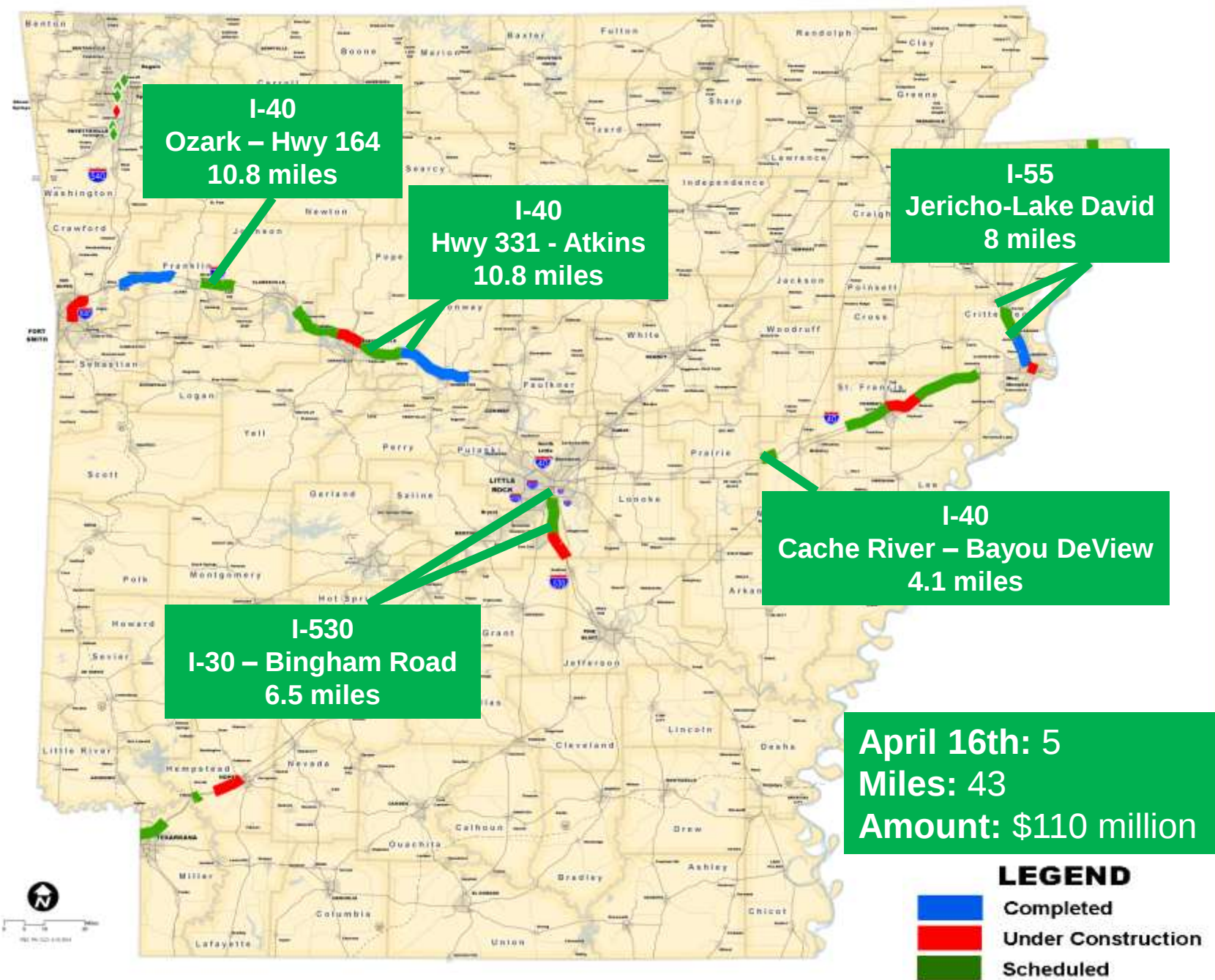
LEGEND

-  Completed
-  Under Construction
-  Scheduled



Interstate Rehabilitation Program

Job Status



Interstate Rehabilitation Program

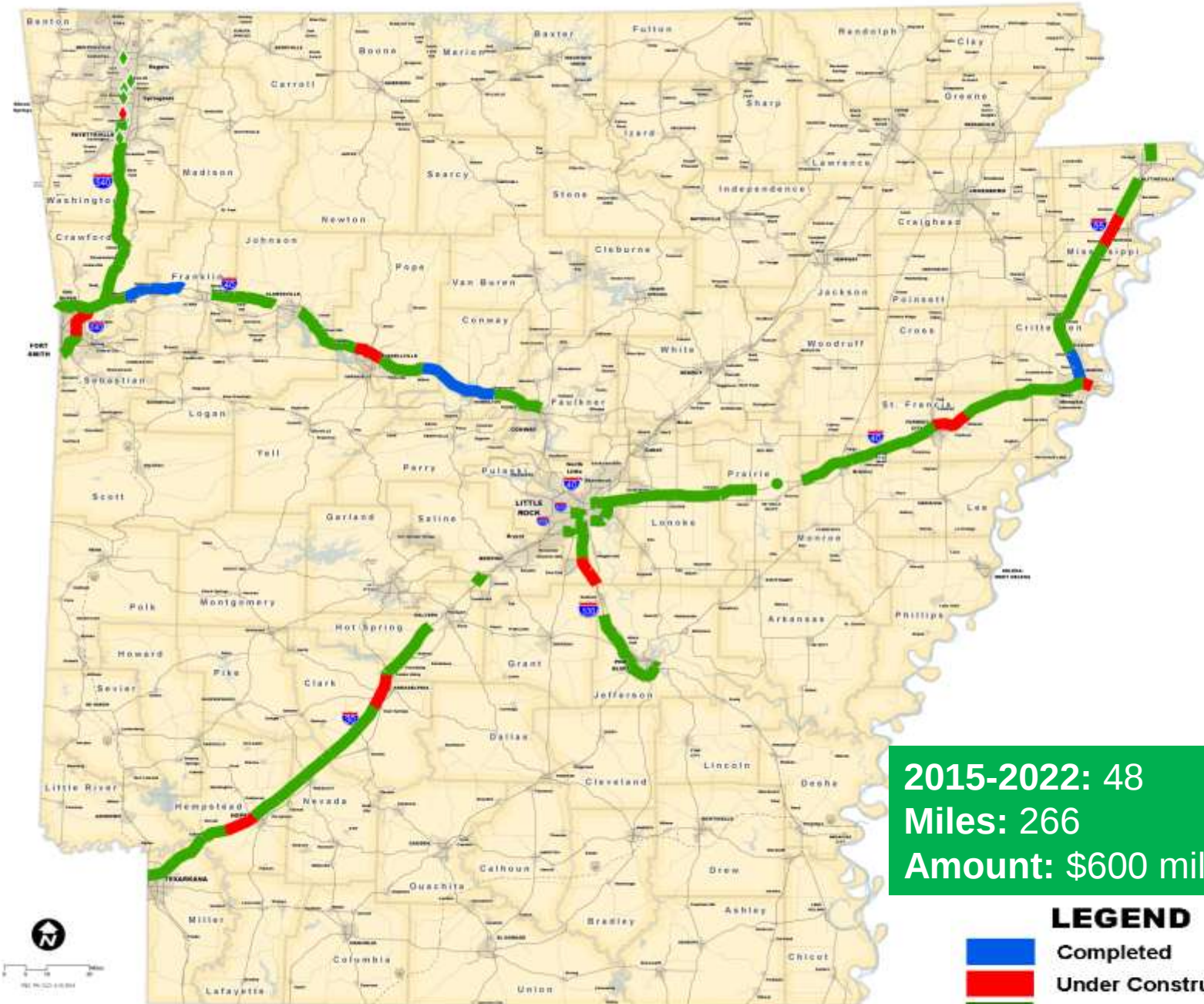
Job Status



2015-2022: 48
Miles: 266
Amount: \$600 million

LEGEND

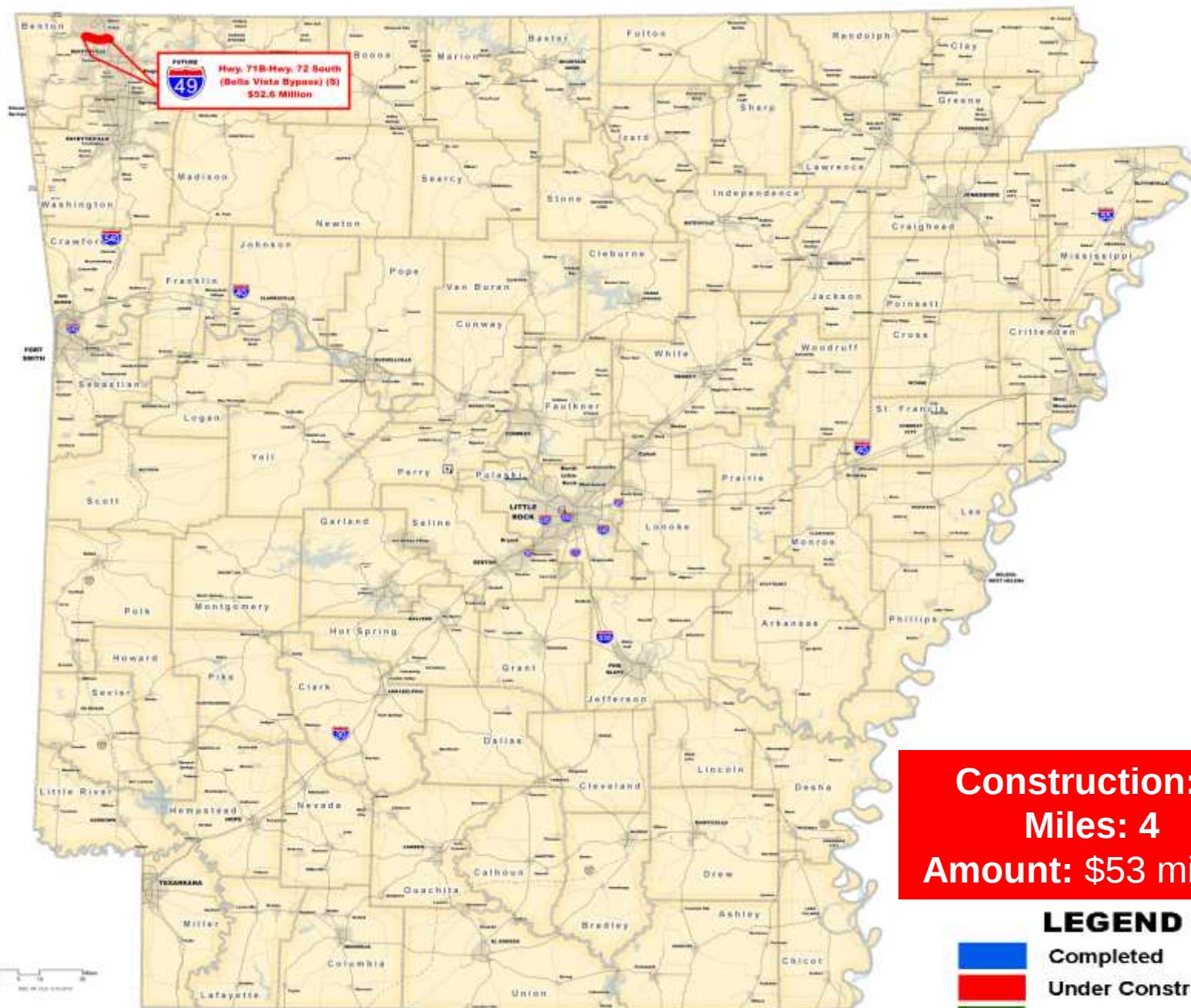
-  Completed
-  Under Construction
-  Scheduled





- ✓ Connects Arkansas
- ✓ Increases Capacity
- ✓ 10-Year Revenue Cap

Connecting Arkansas Program Under Construction



**Construction: 1
Miles: 4
Amount: \$53 million**

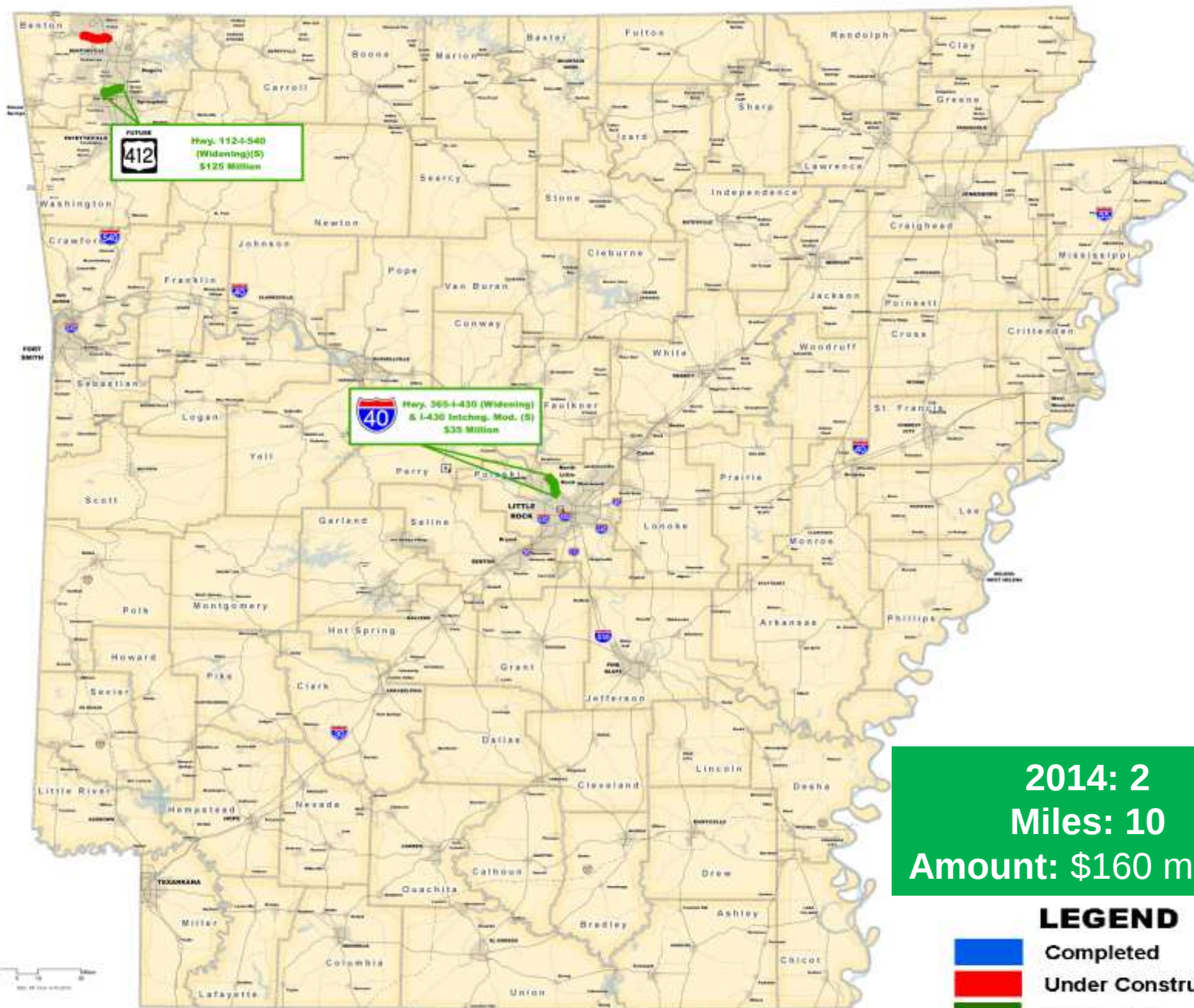
LEGEND

- Completed
- Under Construction
- Scheduled



Connecting Arkansas Program

2014



2014: 2
Miles: 10
Amount: \$160 million

LEGEND

- Completed
- Under Construction
- Scheduled



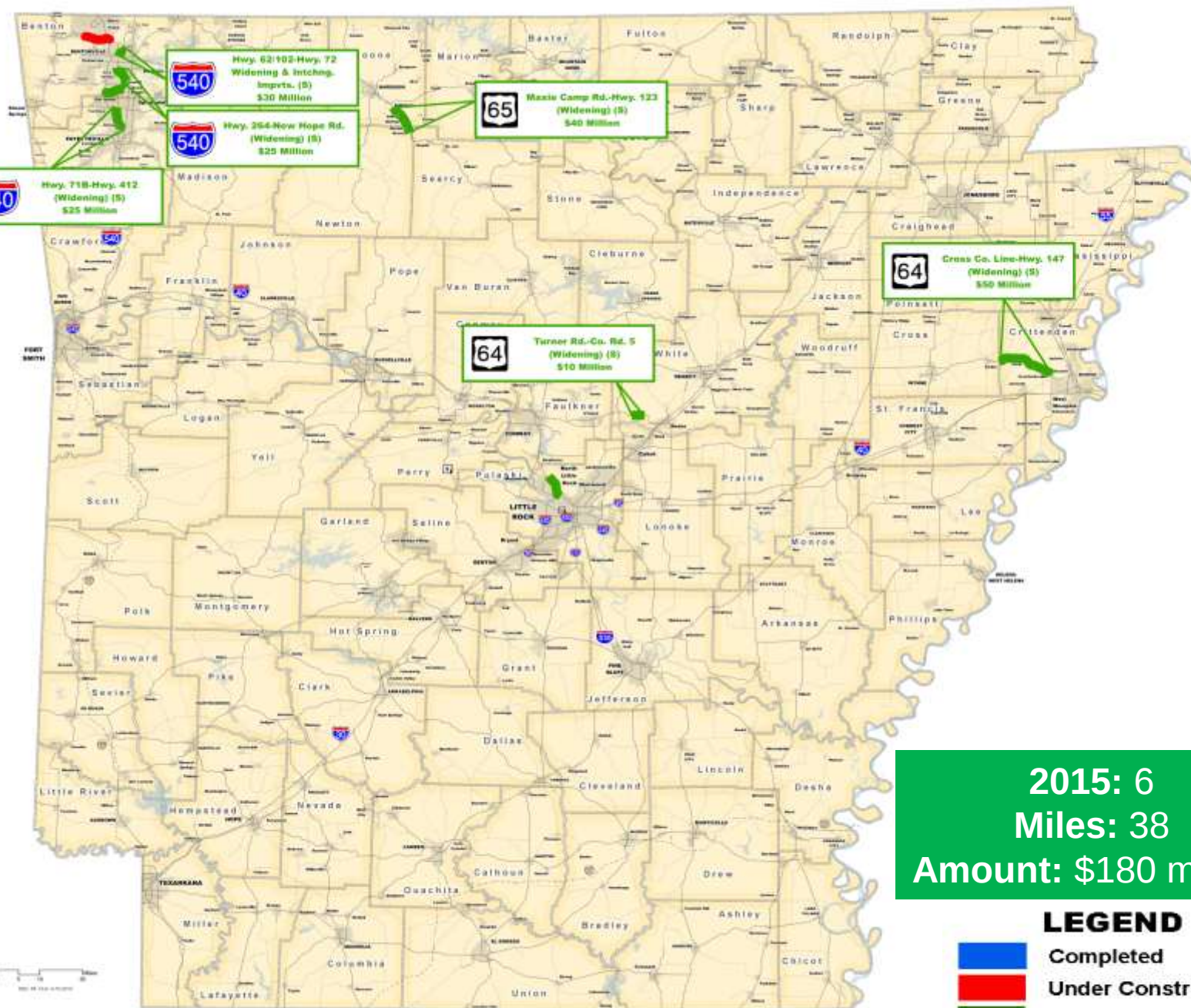
Connecting Arkansas Program

2015

2015: 6
Miles: 38
Amount: \$180 million

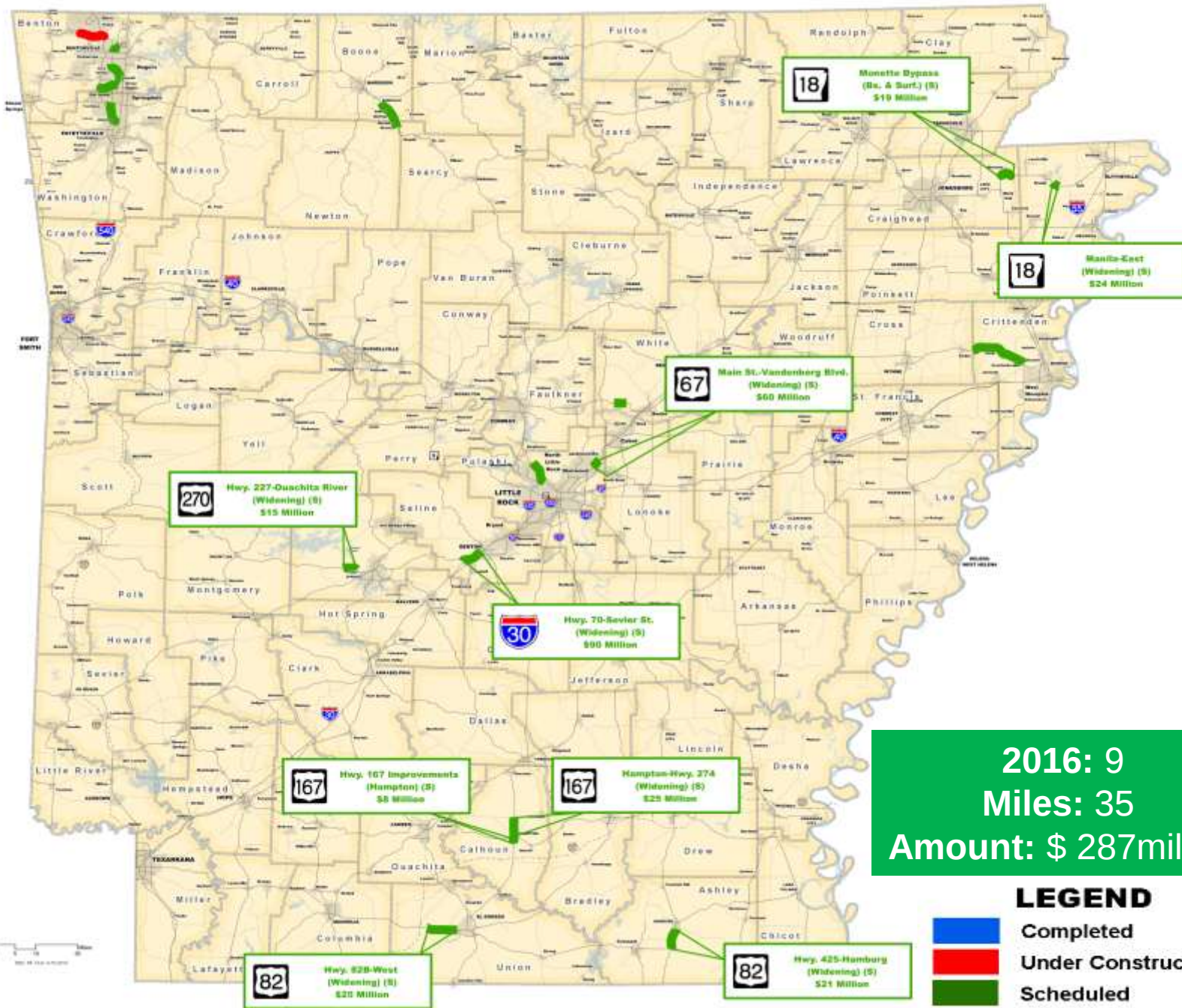
LEGEND

-  Completed
-  Under Construction
-  Scheduled



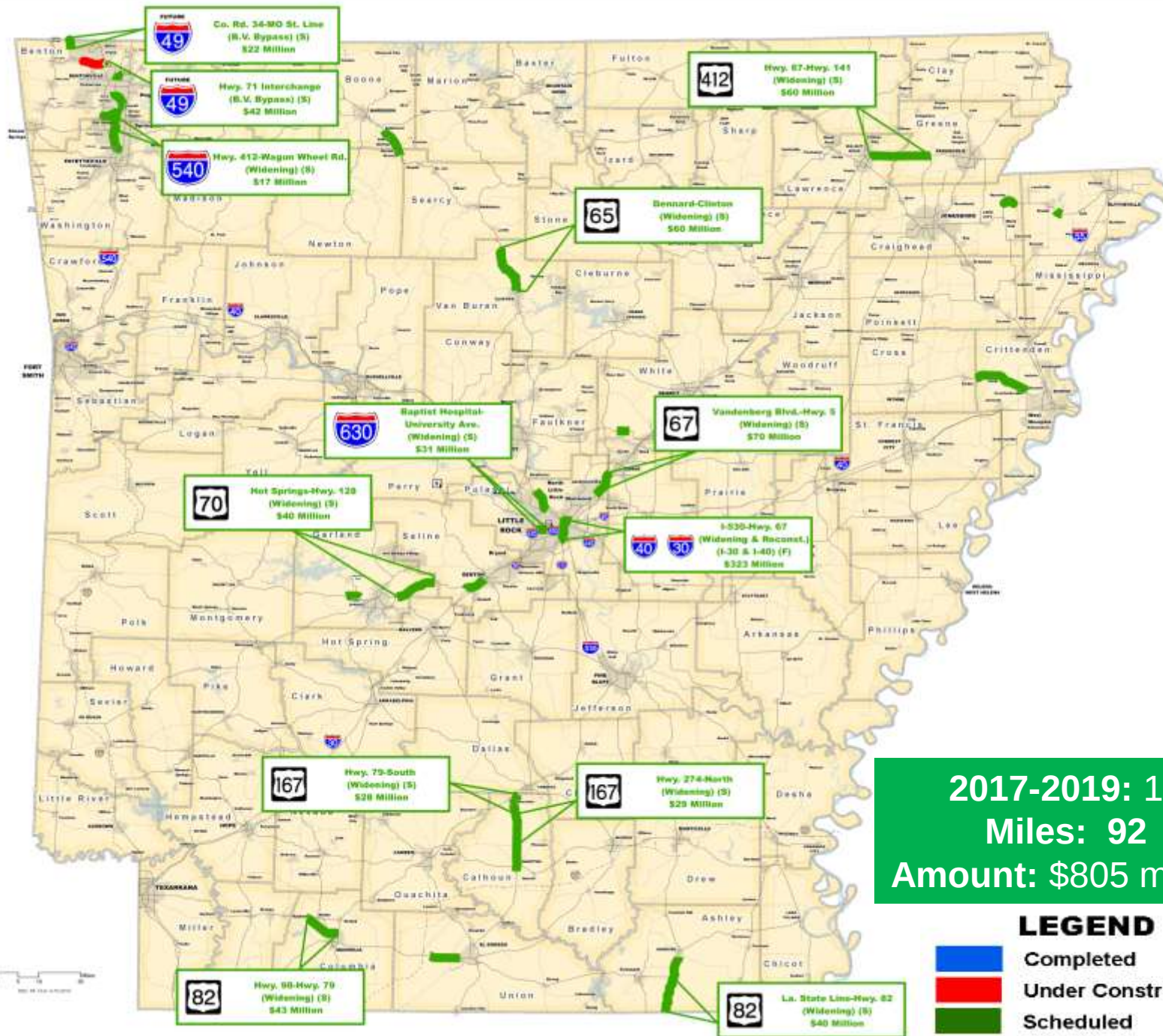
Connecting Arkansas Program

2016



Connecting Arkansas Program

2017-2019



**2017-2019: 13
Miles: 92
Amount: \$805 million**





Turnback Funds
for cities and counties.





Highway Revenue Division

70/15/15 Formula

- ✓ **70% Arkansas Highway & Transportation Dept**
- ✓ **15% Arkansas Counties**
- ✓ **15% Arkansas Cities**



Highway Revenue Division

\$700 million for Local Improvements

✓ **\$350 million for *county roads***

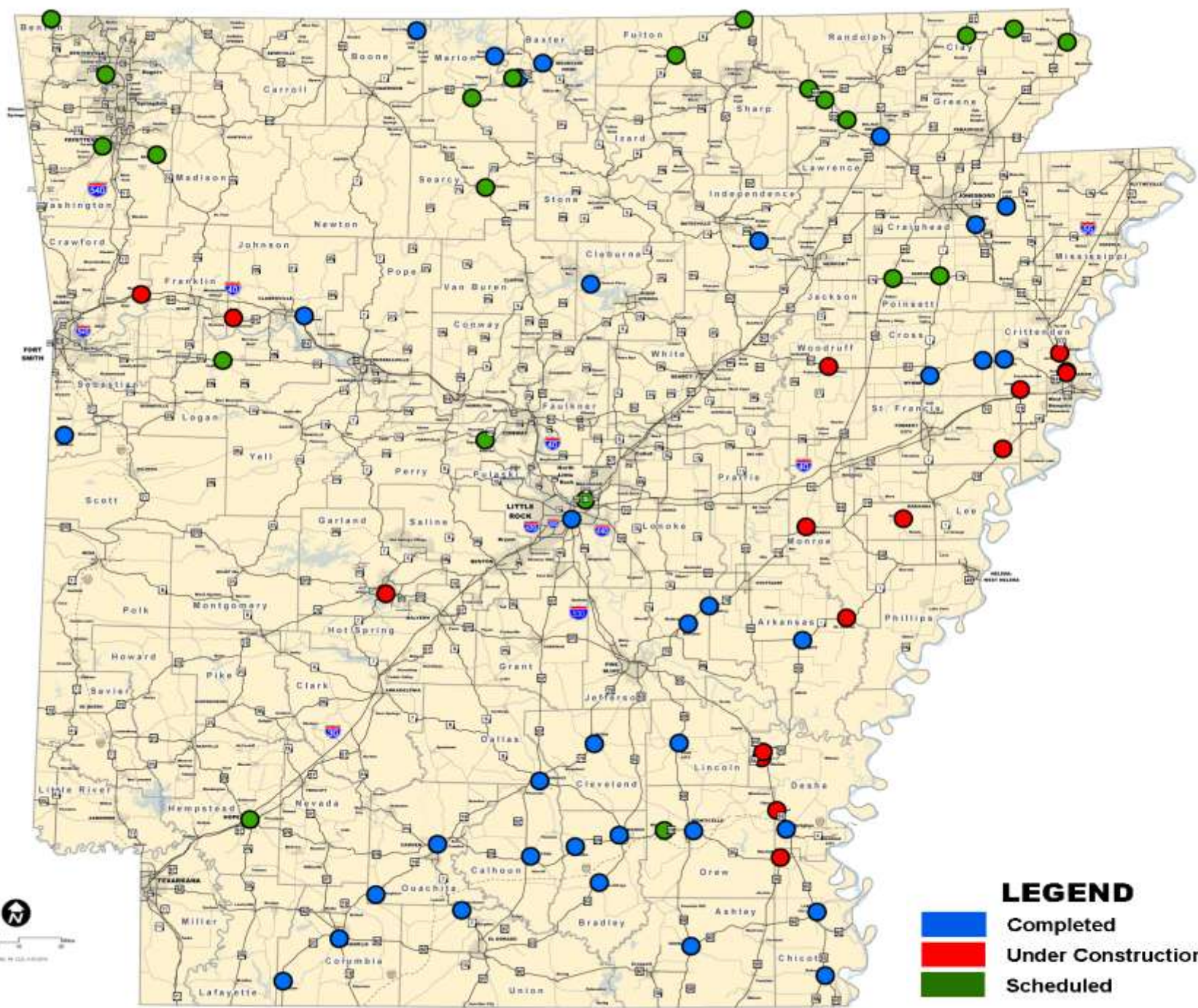
✓ **\$350 million for *city streets***



State Aid City Street Program



State-Aid Street Program



LEGEND

- Completed
- Under Construction
- Scheduled





THE

BAD

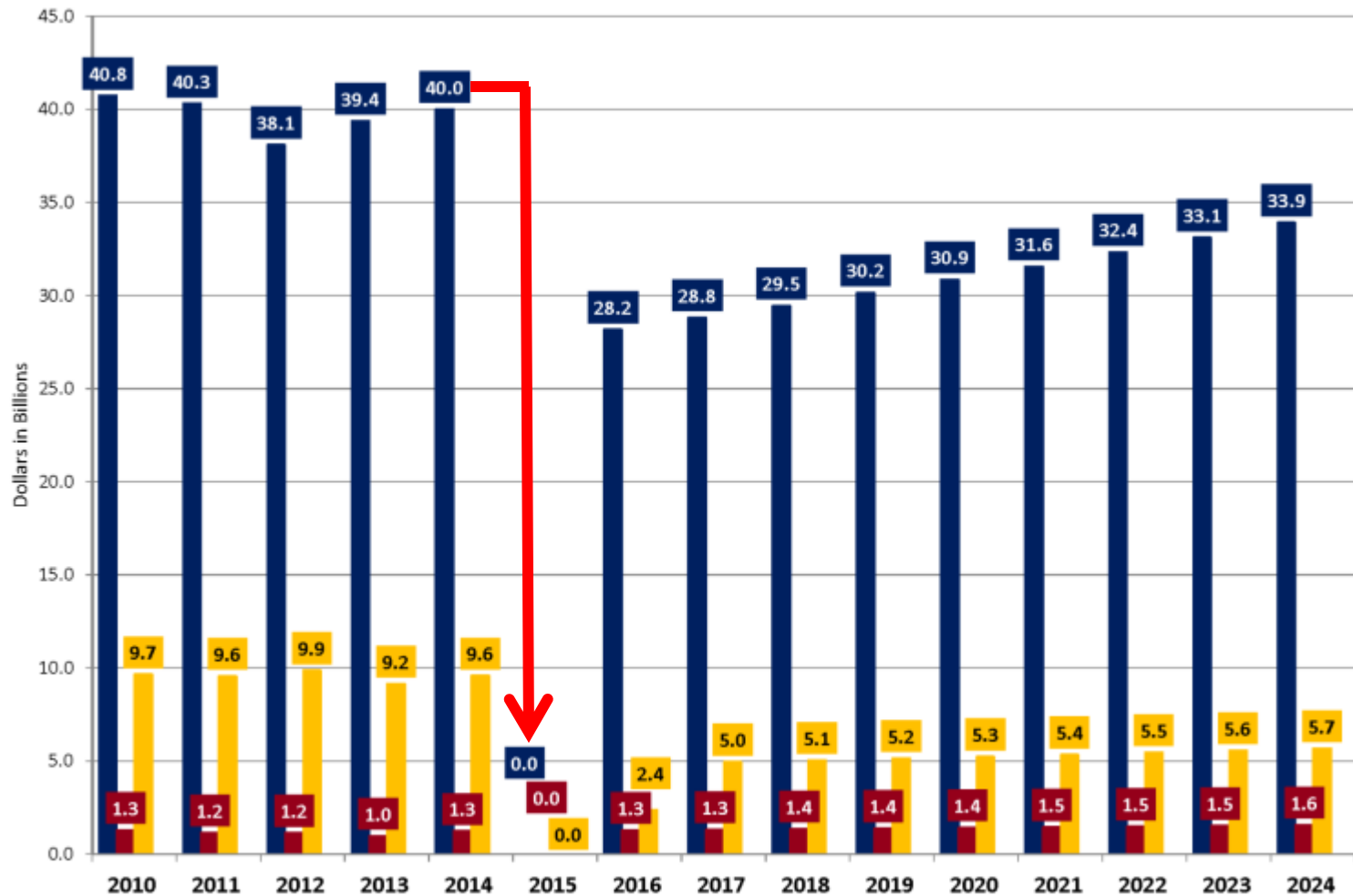
FEDERAL HIGHWAY TRUST FUND

ESTIMATED FEDERAL HIGHWAY AND TRANSIT OBLIGATIONS WITH NO NET NEW REVENUE

Highway Safety

Federal Aid Highway

Transit

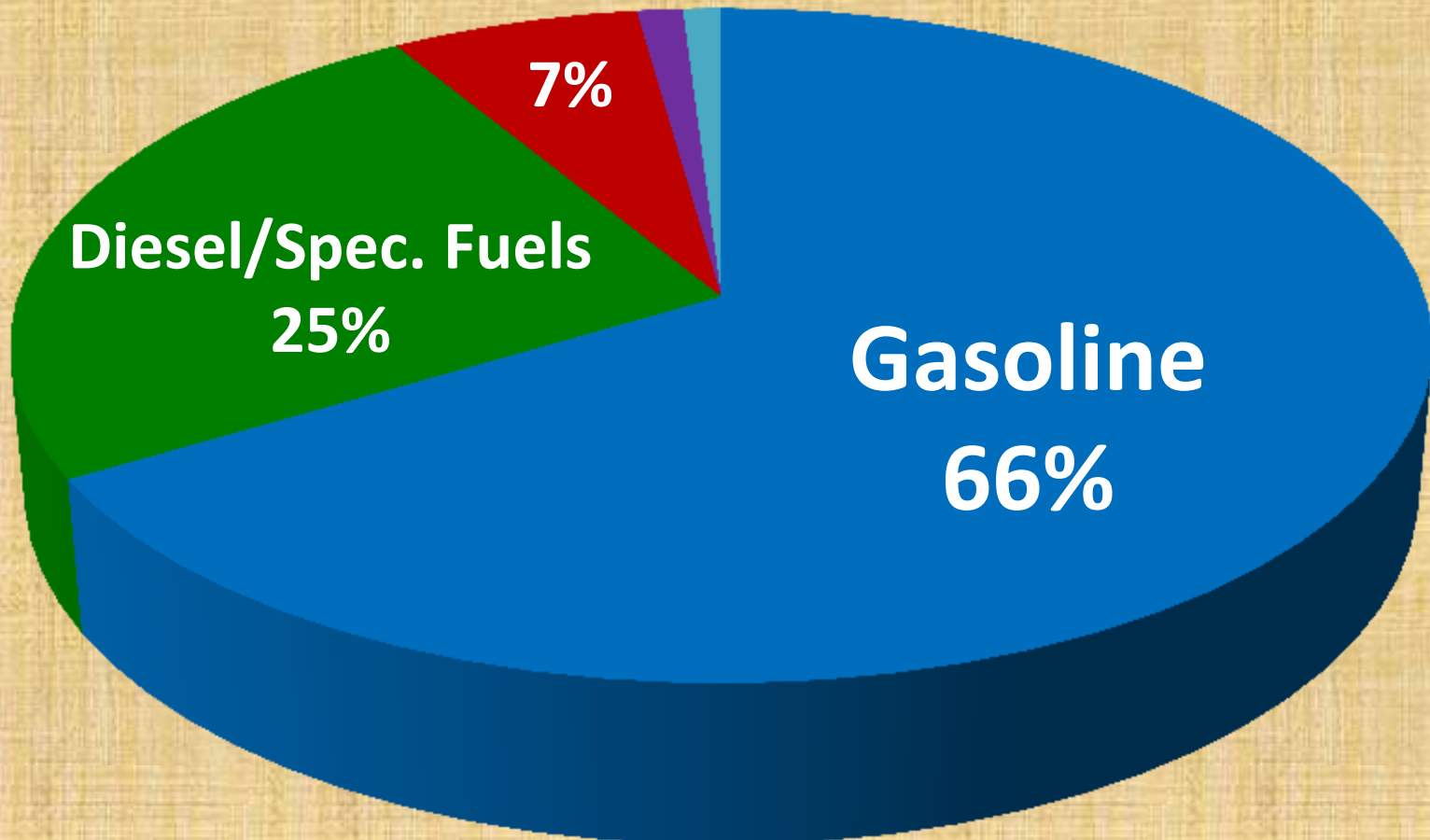


Federal Highway Trust Fund Tax Receipts

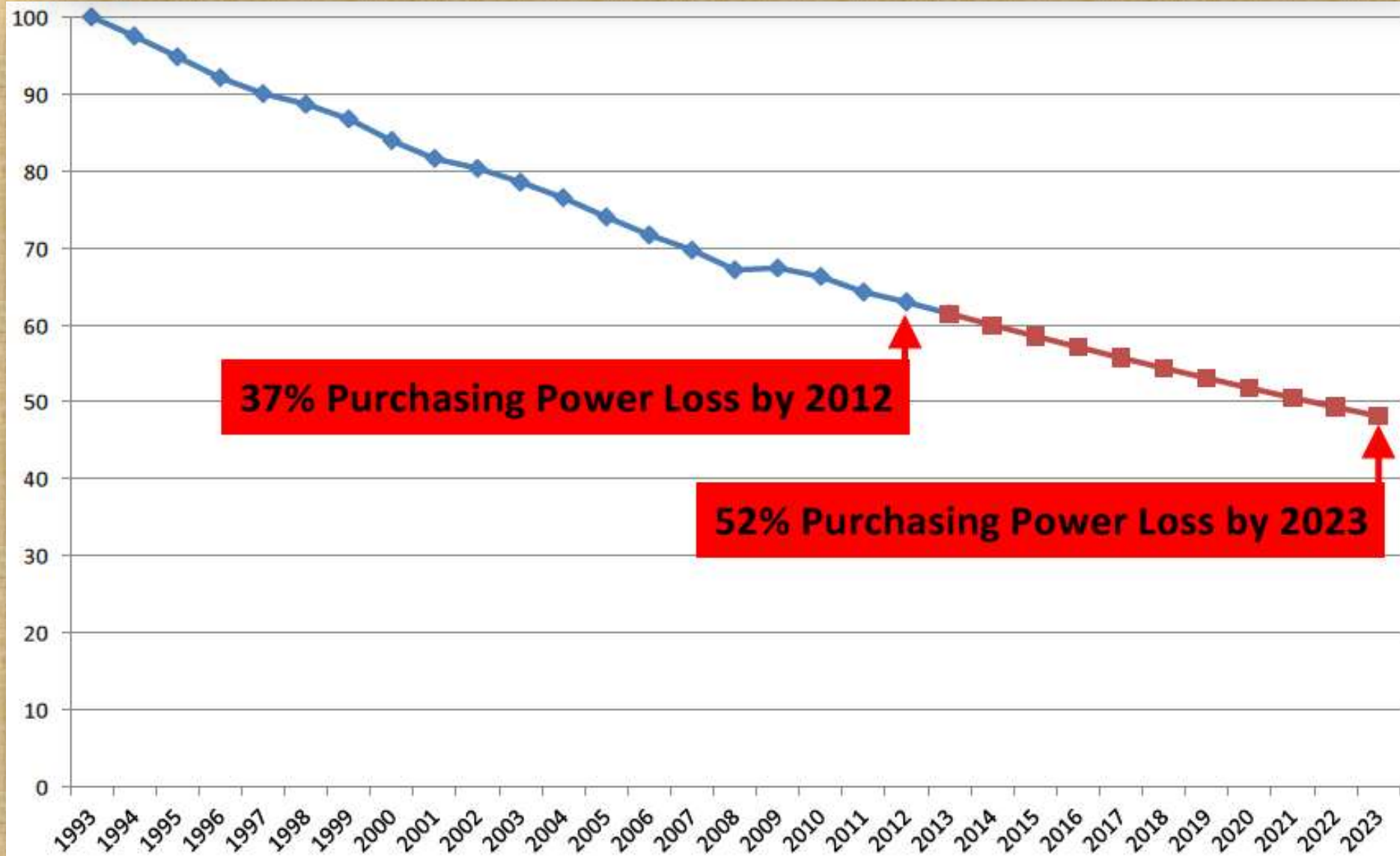
Truck/Bus/Trailer 7%

Tires 1.0%

Heavy Vehicle Tax 0.1%



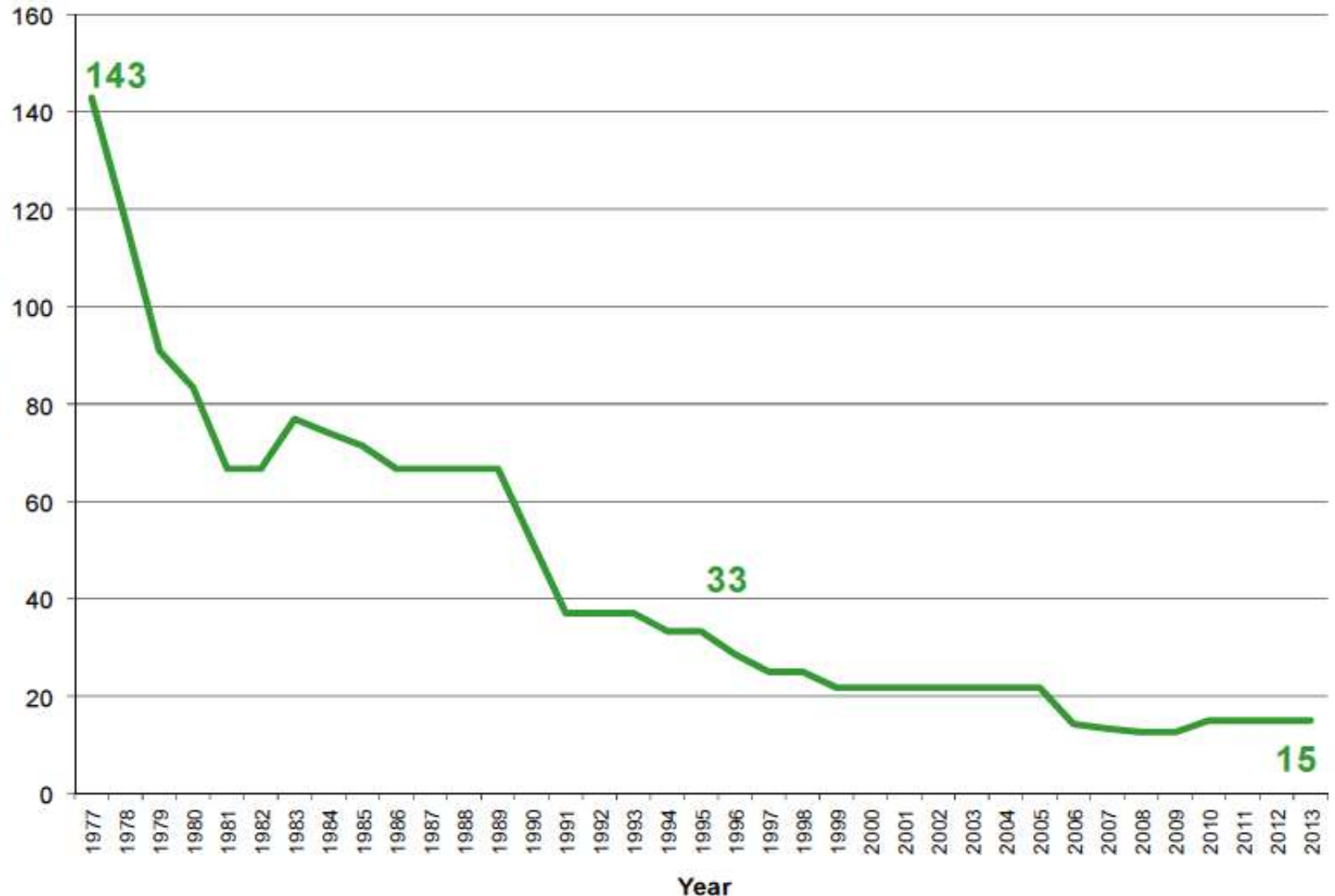
Gasoline Tax Purchasing Power



The Shrinking Highway Dollar

\$100,000,000 Widening Program

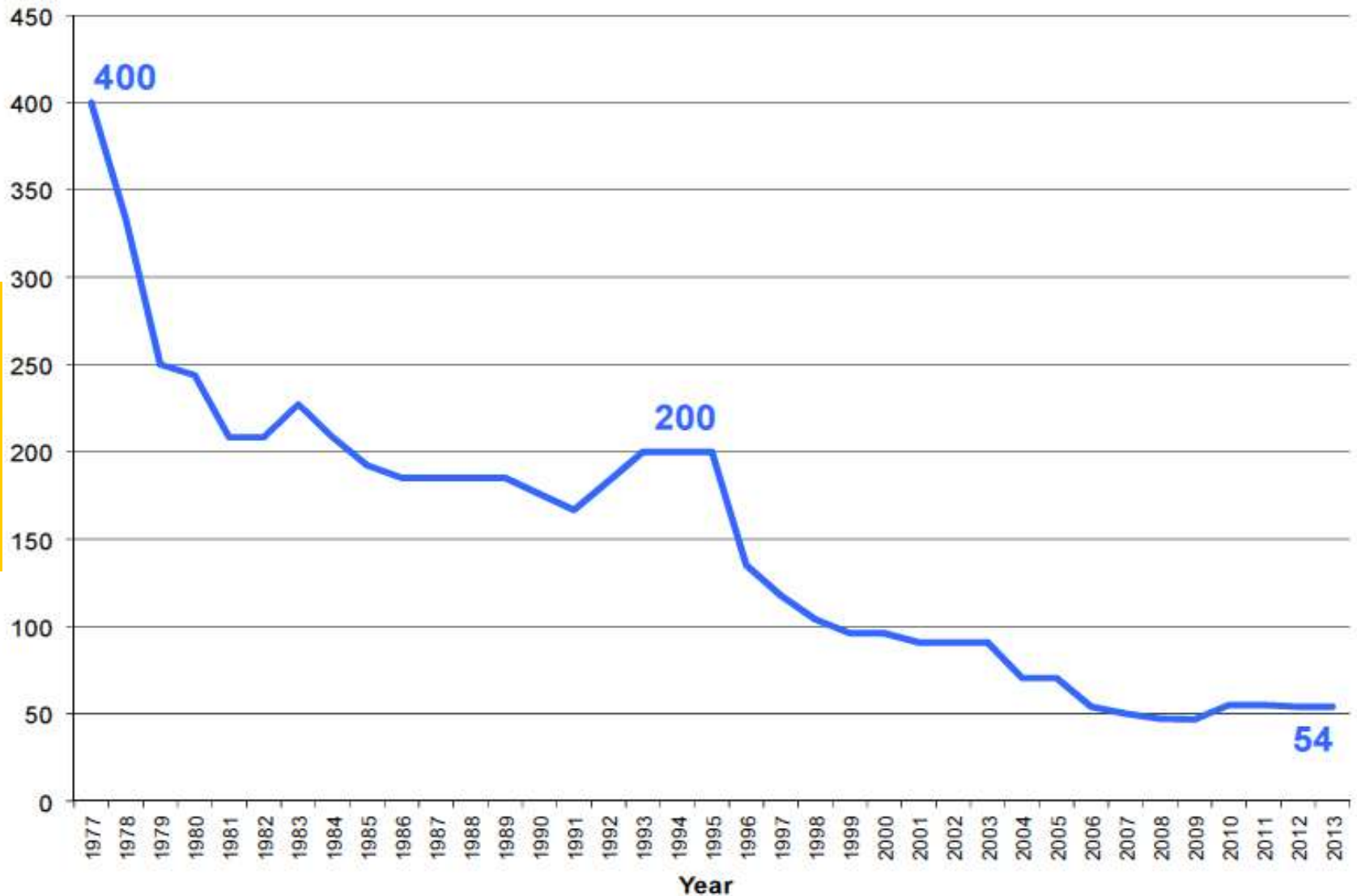
Miles of Widening
Rural Highway 2 to 5 lanes
(Totaling Highway 2 to 5 lanes)



The Shrinking Highway Dollar

\$10,000,000 Overlay Program

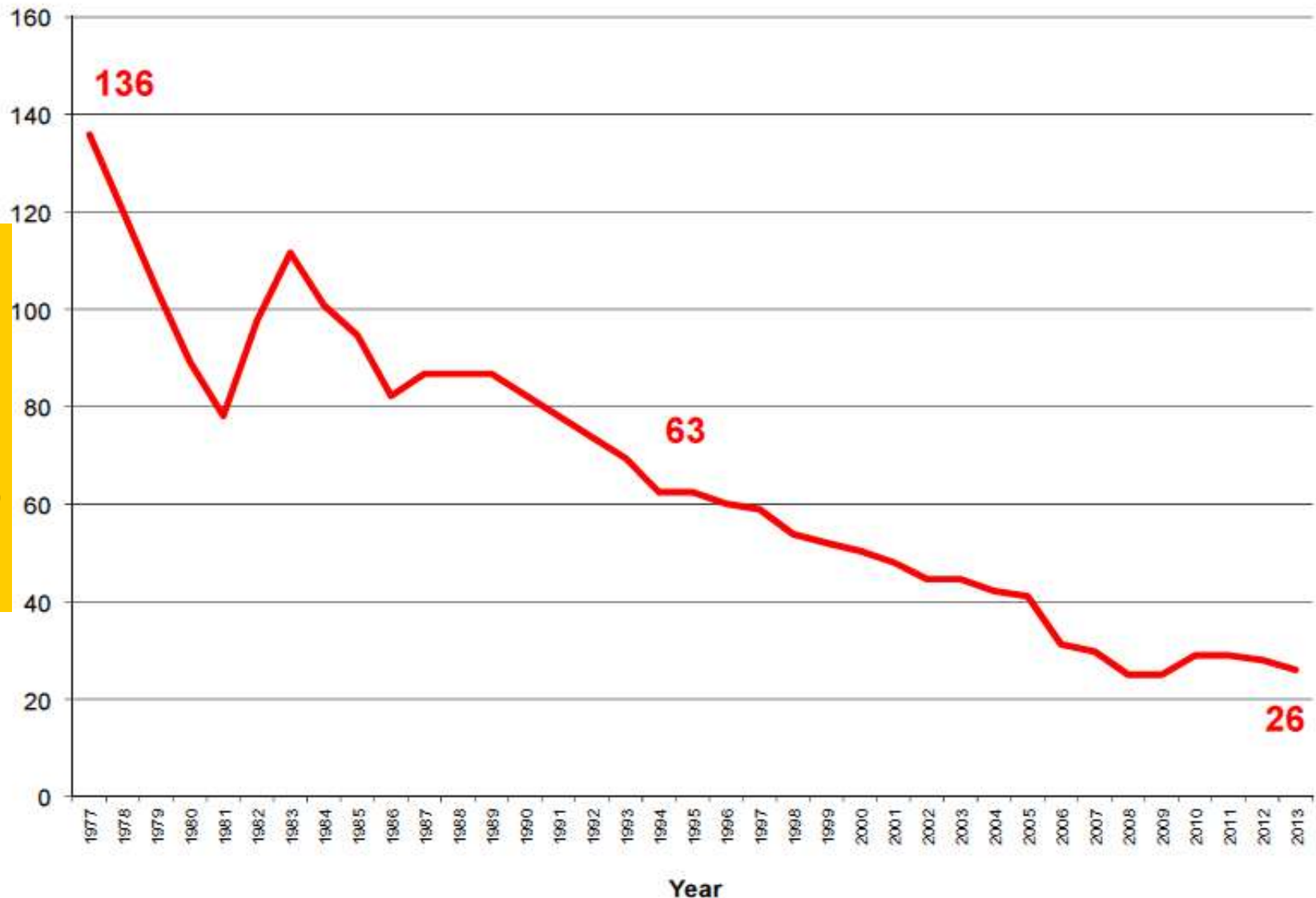
Miles of Overlay
2 lanes



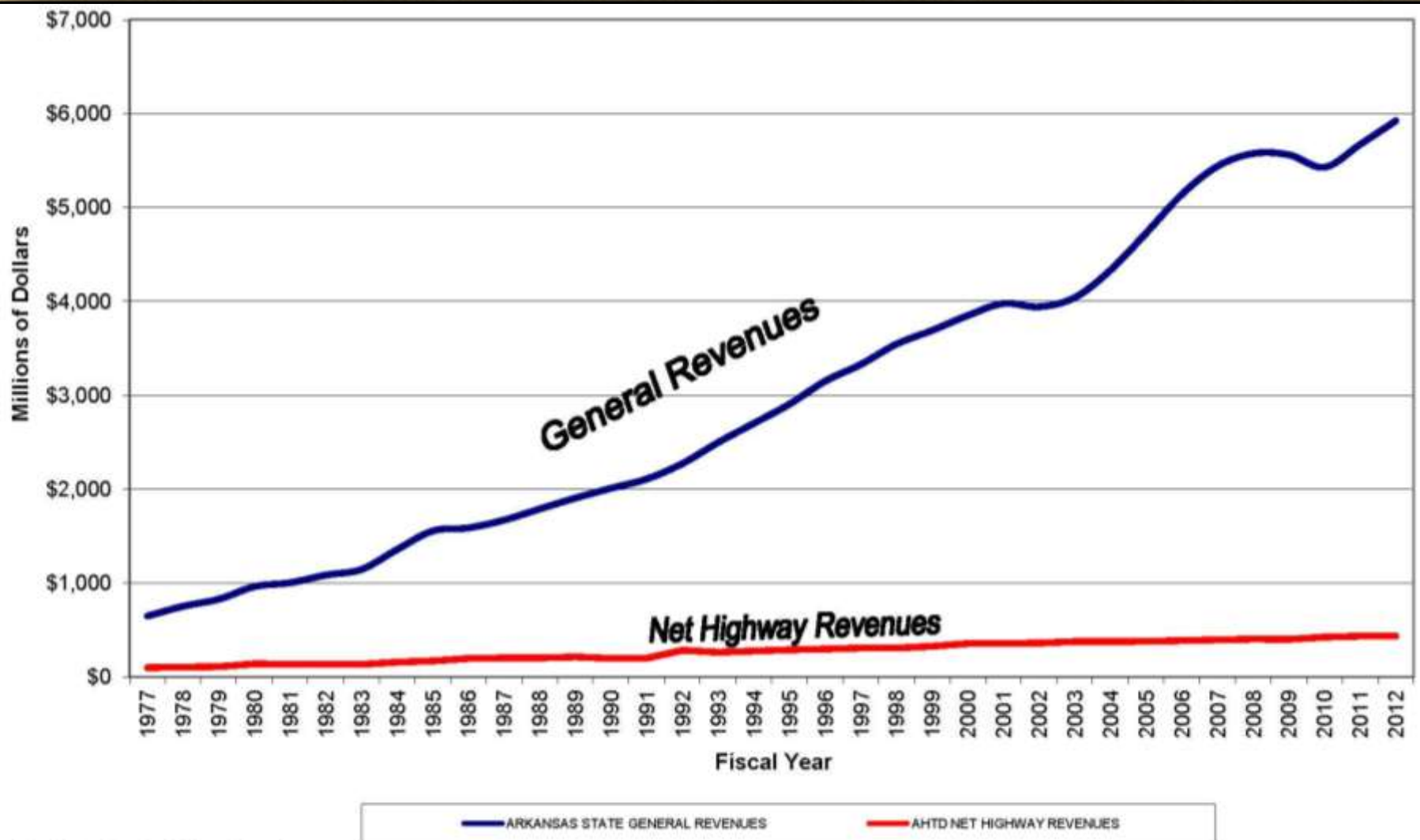
The Shrinking Highway Dollar

\$25,000,000 Bridge Program

Number of Bridges
Average size 40' X 200'



State General Revenues vs. AHTD Net Highway Revenues



Excludes County & City aid funds
Prepared by: Planning and Research 9/27/2012

THE UGLY



Maintenance Needs - Equipment



**Current Investment
\$12 million annually**

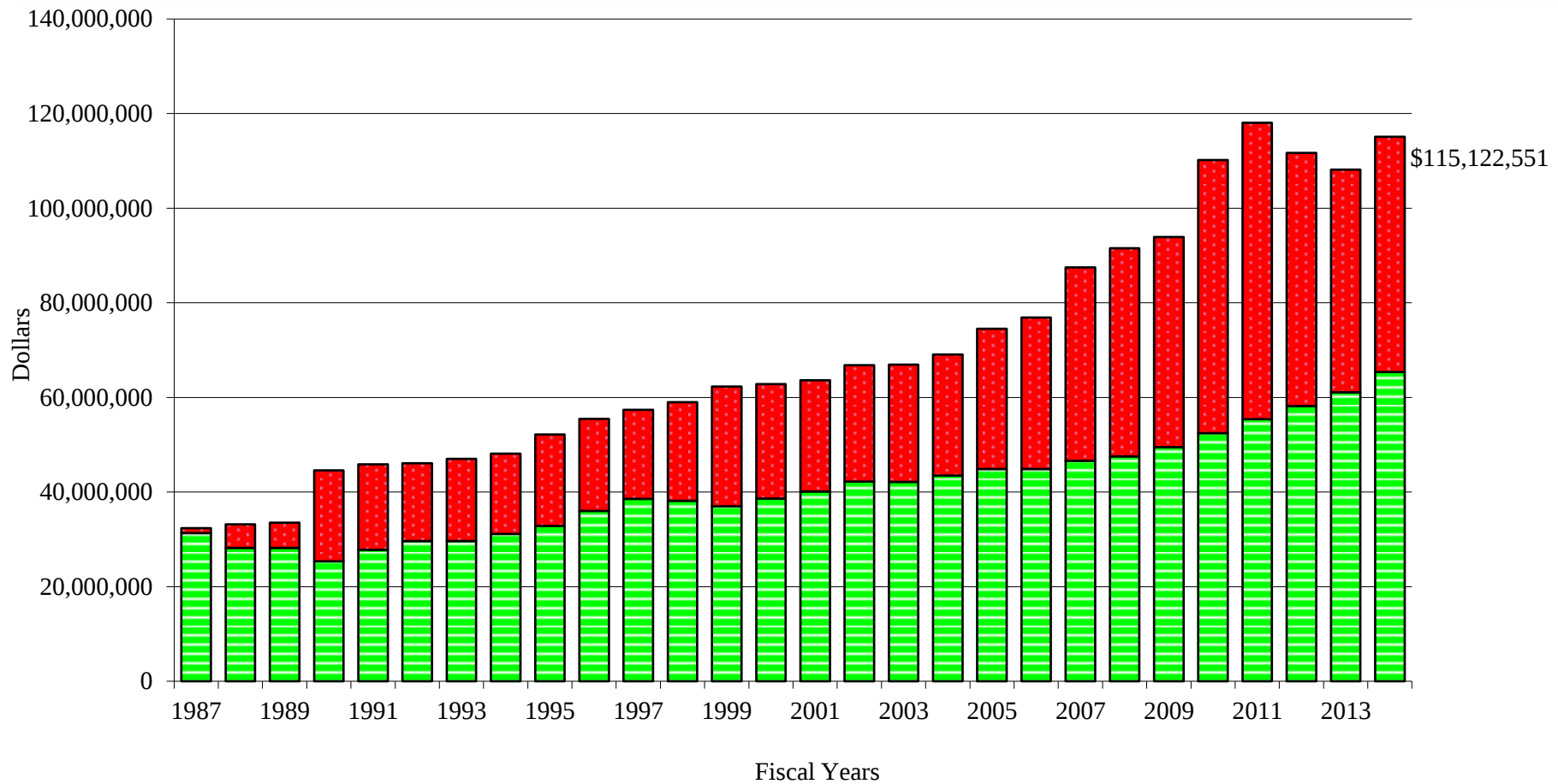
Maintenance Needs - Equipment

- **\$61 million to Achieve Optimum Age of Fleet**



- **Plus Annual Expenditures**

Maintenance Budget Allotments vs. Needs



Allotted

Unfunded Needs

Needs vs. *Revenue*

 CONNECTING
ARKANSAS
PROGRAM
CAP = 180 miles

 INTERSTATE
REHABILITATION
PROGRAM
IRP = 450 miles

Needs vs. *Revenue*



+



Total = 630 miles

3.8%

Quality of Infrastructure

2008-2009

Rank	Country/Economy	Score
1	Switzerland	6.8
2	Singapore	6.7
3	Germany	6.6
4	France	6.6
5	Finland	6.5
6	Austria	6.5
7	Denmark	6.4
8	Hong Kong	6.3
9	United States	6.1
10	Canada	6.0
11	United Arab Emirates	6.0
12	Sweden	6.0
13	Iceland	5.9

Rank	Country/Economy	Score
14	Luxembourg	5.9
15	Belgium	5.8
16	Japan	5.7
17	Netherlands	5.6
18	Korea	5.6
19	Malaysia	5.6
20	Barbados	5.5
21	Cyprus	5.5
22	China	5.5
23	Portugal	5.4
24	United Kingdom	5.3
25	Australia	5.2

Quality of Infrastructure

2012-2013

Rank	Country/Economy	Score
1	Switzerland	6.6
2	Singapore	6.5
3	Finland	6.5
4	Hong Kong	6.5
5	France	6.4
6	United Arab Emirates	6.4
7	Iceland	6.3
8	Austria	6.3
9	Germany	6.2
10	Netherlands	6.2
11	Portugal	6.2
12	Luxembourg	6.2
13	Denmark	6.0

Rank	Country/Economy	Score
14	Bahrain	6.0
15	Canada	6.0
16	Japan	5.9
17	Belgium	5.9
18	Spain	5.8
19	Sweden	5.8
20	Oman	5.8
21	Barbados	5.8
22	Korea	5.8
23	Saudi Arabia	5.8
24	United Kingdom	5.6
25	United States	5.6



**Ranking
#74**



Rutting: 0.34 inches

Cracking: 42

ADT: 170

IRI: 213 inches / mile

PCI: 65

Excellent

Good

Fair

Poor





**Ranking
#20**



Rutting: 0.34 inches

Cracking: 53

ADT: 390

IRI: 264 inches / mile

PCI: 71

Excellent

Good

Fair

Poor



**Ranking
#6**



Rutting: 0.89 inches

IRI: 146 inches / mile

Cracking: 80

PCI: 78

ADT: 530

Excellent

Good

Fair

Poor



**Ranking
#3**



Rutting: 0.58 inches

IRI: 313 inches / mile

Cracking: 62

PCI: 82

ADT: 200

Excellent

Good

Fair

Poor



Ranking
#2



Business

Rutting: 0.56 inches

Cracking: 63

ADT: 180

IRI: 320 inches / mile

PCI: 82

Excellent

Good

Fair

Poor



Ranking #1



Rutting: 0.69 inches

IRI: 240 inches / mile

Cracking: 84

PCI: 86

ADT: 80

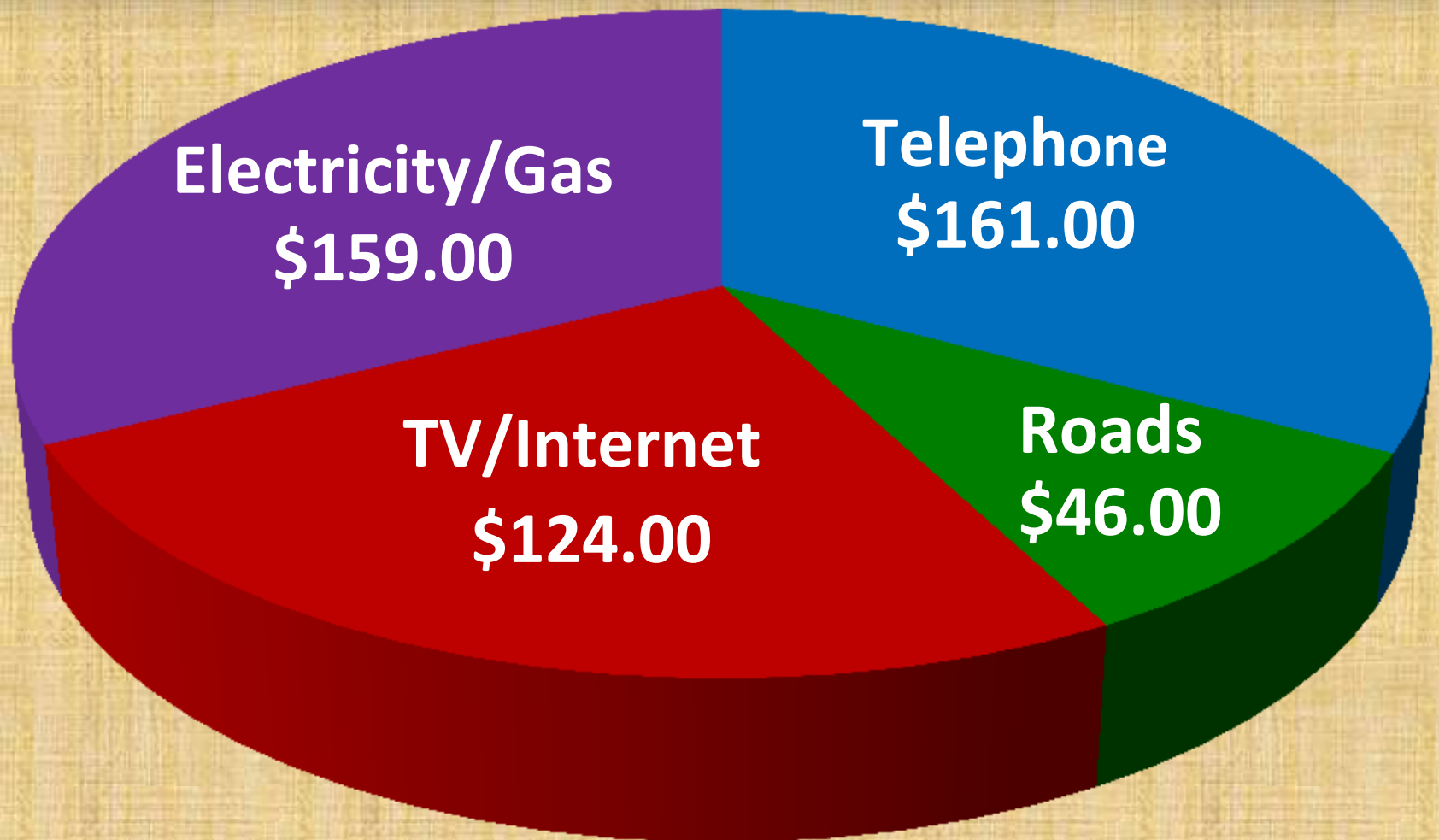
Excellent

Good

Fair

Poor

Average Monthly Household *Expenditures*





MAP-21 Reauthorization

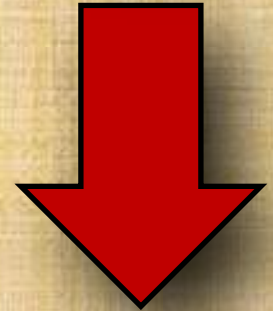
Investment Level (2015 – 2020)	Average Investment Amount Per Year	Additional Needed Monthly Per Household
Maintain Existing MAP-21 Levels	\$57.1 B	\$10.23
11% Increase Adjusted for Inflation	\$63.1 B	\$13.52
1993 Levels Adjusted for Inflation	\$73.3 B	\$19.06



Cost



Revenue

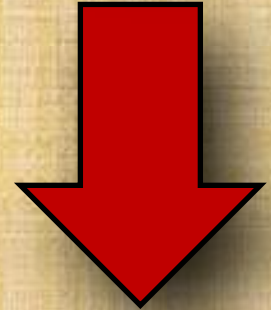




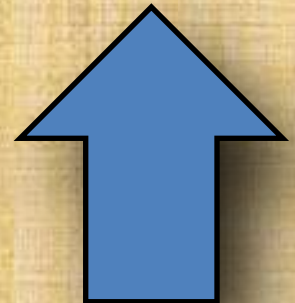
Cost



Revenue

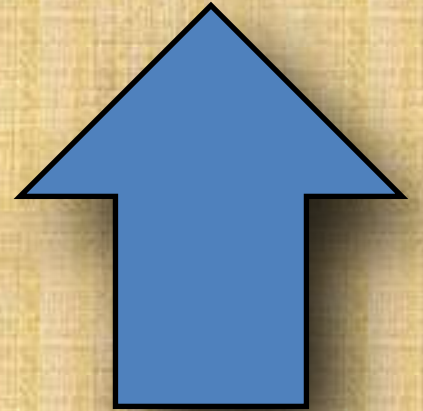


Expectations





Expectations





THE GOOD
THE BAD
THE UGLY



RAZORBACKS



RAZORBACKS





ArkansasHighways.com

Litter Hotline 866-811-1222



@AHTD

