Arkansas State Highway and Transportation Department

Rotary Club of Little Rock
Little Rock
Tuesday, September 23, 2014
State and Federal Revenues Per Highway Mile

Arkansas ranks 44th at $71,494.

Notes:
1. Highway miles are measured in centerline mileage.
2. Noncontiguous states not drawn to scale.
May 2014
# Pulaski County Construction Projects

<table>
<thead>
<tr>
<th>Projects</th>
<th>Miles</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete</td>
<td>127</td>
<td>$477 million</td>
</tr>
<tr>
<td>Under Construction</td>
<td>49</td>
<td>$248 million</td>
</tr>
<tr>
<td>Planned</td>
<td>74</td>
<td>$1.2 billion</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>250</td>
<td><strong>$2 billion</strong></td>
</tr>
</tbody>
</table>

- Complete: 127 miles, $477 million
- Under Construction: 49 miles, $248 million
- Planned: 74 miles, $1.2 billion
- Total: 250 miles, $2 billion
Recent Voter Approved Programs

November 2011

November 2012
<table>
<thead>
<tr>
<th>Status</th>
<th>Projects</th>
<th>Miles</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Complete</td>
<td>10</td>
<td>95</td>
<td>$230 m</td>
</tr>
<tr>
<td>Construction</td>
<td>11</td>
<td>76</td>
<td>$217 m</td>
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<tr>
<td>Scheduled</td>
<td>54</td>
<td>288</td>
<td>$821 m</td>
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</tbody>
</table>

**TOTAL PROGRAM**
75 Projects
458 Miles
$1.2 Billion

**LEGEND**
- **Completed**
- **Under Construction**
- **Scheduled**
Interstate 30
Geyer Springs - 65th St.
Scheduled: 2017
$18 million

Interstate 30
Hwy 70 - West
Scheduled: Early 2015
$9 million

Interstate 40
Hwy 67 – Hwy 161
Scheduled: 2021
$3 million

Interstate 40
Hwy 161 – Lonoke Co. Line
Scheduled: 2021
$7 million

Interstate 630
I-30 – Cross St.
Scheduled: 2021
$4 million

Interstate 630
Cross St. - Dennison
Scheduled: 2020
$2 million

Interstate 630
Dennison - Cedar
Scheduled: 2019
$24 million

Interstate 440
Ar River – I-40
Scheduled: 2016
$25 million

Interstate 440
Bankhead Dr – Ar River
Scheduled: 2018
$29 million

Interstate 530
I-30 – Bingham Rd
Complete: Late 2015
$40 million

Interstate 530 Widening
Bingham Rd. – Grant Co.
Complete: July 2014
$14 million
✓ Connects Arkansas
✓ Increases Capacity
✓ 10-Year Revenue Cap
Total Construction
31 Projects
181 Miles
$1.48 Billion

CA0609
I-430-Morgan
38 million
Complete: Mid-2016
Highway 270 Widening
Hwy 227 – Ouachita River
Scheduled: 2016
$15 million

Highway 70 Widening
Hot Springs – Hwy 128
Scheduled: 2018
$40 million

Highway 64 Widening
Turner Rd. – Co. Rd. 5
Scheduled: 2015
$10 million

Highway 67 Widening
Vandenburg – Hwy 5
Scheduled: 2019
$70 million

Highway 67 Widening
Main St. – Vandenburg
Scheduled: 2016
$60 million

Interstate 40 Widening
Highway 365 – I-430
$38 million
Complete: Mid 2016

Interstate 630 Widening
Baptist Hosp. – Fair Park
Scheduled: 2017
$31 million

Interstate 30 Widening
Hwy 70 – Sevier St.
Scheduled: 2015
$90 million

Interstate 30 Widening
I-530 – Hwy 67
Scheduled: 2018
$323 million
Highway 270 Widening
Hwy 227 – Ouachita River
Scheduled: 2016
$15 million

Highway 70 Widening
Hot Springs – Hwy 128
Scheduled: 2018
$40 million

Highway 67 Widening
Vandenburg – Hwy 5
Scheduled: 2019
$70 million

Highway 270 Widening
Hwy 227 – Ouachita River
Scheduled: 2016
$90 million

Highway 64 Widening
Turner Rd. – Co. Rd. 5
Scheduled: 2015
$10 million

Highway 70 Widening
Hot Springs – Hwy 128
Scheduled: 2018
$40 million

Highway 67 Widening
Redmond Rd – Main St
$41 million
Complete: Early 2016

Highway 67 Widening
Main St. – Vandenburg
Scheduled: 2016
$60 million

Interstate 40  Widening
Highway 365 – I-430
$38 million
Complete: Mid 2016

Interstate 630 Widening
Baptist Hosp. – Fair Park
Scheduled: 2017
$31 million

Interstate 30 Widening
Hwy 70 – Sevier St.
Scheduled: 2015
$323 million

Interstate 40  Widening
Hwy 365 – I-430
$38 million
Complete: Mid 2016

Interstate 30 Widening
I-530 – Hwy 67
Scheduled: 2018
$323 million

Interstate 40  Widening
Highway 365 – I-430
$38 million
Complete: Mid 2016

Interstate 30 Widening
I-530 – Hwy 67
Scheduled: 2018
$323 million

Interstate 630 Widening
Baptist Hosp. – Fair Park
Scheduled: 2017
$31 million
Proposed Study Area

It is approximately 6.7 miles in length and extends through portions of Little Rock and North Little Rock.

The proposed study area extends:

• along I-30 from I-530 to the south and I-40 to the north
• along I-40 to its interchange with U.S. 67 in North Little Rock.
Consensus meetings are being held with business owners, political representatives, community groups and senior staff of local agencies who are impacted by improvements within the study area.

**Example groups:**
- Verizon Arena
- Clinton Presidential Center
- Clinton National Airport
- River Market
- Home Owners Associations
Public Meetings

Public meetings are being held at key study milestones during the study. The meetings are being held in an open house format.

<table>
<thead>
<tr>
<th>Meeting #1</th>
<th>Meeting #2</th>
<th>Meeting #3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Held: August 12 &amp; 14</td>
<td>Tentative date: Nov 6</td>
<td>Target date: Winter/Spring</td>
</tr>
</tbody>
</table>

- PEL introduction
- Previous studies review
- Draft purpose and need
- Universe of Alternatives development and evaluation methodology

- Preliminary alternatives development and evaluation methodology

- Reasonable alternatives development and evaluation methodology
**Design-Build Delivery**

- **Concept Planning**
- **Select Design-Builder**
- **Preliminary Design**
- **Final Design and Project Clearance**
- **Construction**
- **Select Contractor**
- **Final Design and Project Clearance**
- **Construction**

- More Extensive Contractor Input
- Extensive Contractor Input
- Minimal Contractor Input
- Extensive Contractor Input

**Design-Bid-Build Delivery**

- **Concept Planning**
- **Preliminary Design**
- **Select Design Engineer**
- **Final Design and Project Clearance**
- **Construction**
- **Select Contractor**
- **Final Design and Project Clearance**
- **Construction**

- Minimal Contractor Input
- Extensive Contractor Input
- Extensive Contractor Input

**DB vs. DBB Schedule Comparison**

**Design-Build Associated Time Savings**
Construction

✓ Bids Opened: September 17th
✓ Low Bid Amount: $98,404,049.69
✓ Construction Begins TBD
✓ Bridge closed for 6 months, rather than 2 years
Traffic Management Plan
Big Rock Interchange
When is it complete??
Big Rock Interchange
Complete: Mid 2015
<table>
<thead>
<tr>
<th>County</th>
<th>Ten Year Cumulative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulaski</td>
<td>$178,212,361</td>
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<tr>
<td>City</td>
<td>Ten Year Cumulative</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Alexander</td>
<td>$15,868,695</td>
</tr>
<tr>
<td>Cammack Village</td>
<td>$497,197</td>
</tr>
<tr>
<td>Jacksonville</td>
<td>$18,362,779</td>
</tr>
<tr>
<td>Little Rock</td>
<td>$125,168,322</td>
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<tr>
<td>Maumelle</td>
<td>$11,111,288</td>
</tr>
<tr>
<td>N. Little Rock</td>
<td>$40,335,459</td>
</tr>
<tr>
<td>Sherwood</td>
<td>$19,113,121</td>
</tr>
<tr>
<td>Wrightsville</td>
<td>$1,368,597</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$402,833,739</strong></td>
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</tbody>
</table>
“It was the best of times, it was the worst of times, . . . .”

- A Tale of Two Cities
  Charles Dickens
We’re being asked to do more with less...
We can only do less with less.
Highway Trust Fund Tax Receipts

- Gasoline: 66%
- Diesel/Spec. Fuels: 25%
- Truck/Bus/Trailer: 7%
- Tires: 1.0%
- Heavy Vehicle Tax: 0.1%
### Arkansas Travel Trends 2007-2013

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2013</th>
<th>Difference</th>
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</thead>
<tbody>
<tr>
<td>Gas &amp; diesel Consumption</td>
<td>2.087 billion</td>
<td>2.001 billion</td>
<td>-86 million</td>
</tr>
<tr>
<td>Gas &amp; diesel Revenue</td>
<td>$454 million</td>
<td>$400 million</td>
<td>-$54 million</td>
</tr>
<tr>
<td>Miles Traveled</td>
<td>32.4 billion</td>
<td>33.5 billion</td>
<td>+1.1 billion</td>
</tr>
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</table>
The Shrinking Highway Dollar

$100,000,000 Widening Program

$10,000,000 Overlay Program

$25,000,000 Bridge Program
# Quality of Infrastructure
## 2008-2009

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country/Economy</th>
<th>Score</th>
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<tbody>
<tr>
<td>1</td>
<td>Switzerland</td>
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</tr>
<tr>
<td>2</td>
<td>Singapore</td>
<td>6.7</td>
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<tr>
<td>3</td>
<td>Germany</td>
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<tr>
<td>4</td>
<td>France</td>
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<tr>
<td>5</td>
<td>Finland</td>
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<tr>
<td>6</td>
<td>Austria</td>
<td>6.5</td>
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<tr>
<td>7</td>
<td>Denmark</td>
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<tr>
<td>8</td>
<td>Hong Kong</td>
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<tr>
<td>9</td>
<td><strong>United States</strong></td>
<td><strong>6.1</strong></td>
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<tr>
<td>10</td>
<td>Canada</td>
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</tr>
<tr>
<td>25</td>
<td>United States</td>
<td>5.6</td>
</tr>
</tbody>
</table>
Average Monthly Household Expenditures

- Electricity/Gas: $159.00
- TV/Internet: $124.00
- Telephone: $161.00
- Roads: $46.00
Needs vs. Revenue

CAP = 1800 miles

IRP = 450 miles
Total = 630 miles
3.8\%
- Live Traffic Conditions
- Construction Zones
- Alternate Routes
- Rest Areas
- Welcome Centers
- Park-and-Ride Lots
- Weight Restricted Roads & Bridges
- Weather Radar
- Live Traffic Cameras (Coming Soon)