Program

Updates
Interstate Rehabilitation Program Update

Completed:
23 Projects
170 miles
$449 million

Under Construction:
15 Projects
80 miles
$424 million

Scheduled:
44 Projects
240 miles
$556 million

LEGEND
- Completed
- Under Construction
- Scheduled
Connecting Arkansas Program Update

Under Construction:
- 7 Projects
- 29 miles
- $263 million

Scheduled:
- 28 Projects
- 149 miles
- $1.5 billion

Legend:
- Blue: Completed
- Red: Under Construction
- Green: Scheduled
“When you realize the value of all life, you dwell less on what is past and concentrate more on the preservation of the future.”

-Dian Fossey

Draft Statewide Transportation Improvement Program (STIP)
Federal Fiscal Years 2016-2020

Work Scheduled $3.6 B (93%) on the APHN

System Preservation – 80%

Capital Improvements – 20%

Flexible Funds
Project Lifecycle

- Planning
- Scheduling
- Project Development
- Award
- Contract Execution
- Construction Inspection
- Final Acceptance Maintenance
Planning

Purpose and Need

• Highway Improvement Studies
  ✓ Corridors
  ✓ Capacity
  ✓ Safety

• Data Driven System Wide Analysis
  ✓ System Preservation
    ▪ Pavement
    ▪ Bridges
    ▪ Congestion
  ✓ Safety
Capital Improvement Projects

Safety Improvement Projects

System Preservation Projects

Capital Improvement Projects

Prioritized Within the Funding Available

Scheduling
Arkansas State Highway and Transportation Department

Statewide Transportation Improvement Program (STIP)

2013-2016 Federal Fiscal Years

In compliance with Title 23-United States Code-Section 135

Presented by the Arkansas State Highway Commission

July 25, 2012
Project Lifecycle

- Planning
- Scheduling
- Project Development
- Award
- Contract Execution
- Construction Inspection
- Final Acceptance Maintenance
- Maintenance
Environmental Clearance
Materials Testing
Design
Determining Contract Time

- Calendar Days
- Working Days
- Fixed Completion Date

- Road User Cost
- Cost + Time
- Incentives/Disincentives
Next 3 Lettings Report

Arkansas State Highway and Transportation Department
Projects Currently Scheduled for the Next Three Lettings
Current as of: 1/14/2016

Disclaimer: These dates are subject to change due to unforeseen circumstances. They are provided for informational purposes only. The Department will add or remove jobs as needed and/or adjust the scheduled letting dates for any reason.

<table>
<thead>
<tr>
<th>County</th>
<th>Route</th>
<th>Job No.</th>
<th>Job Name</th>
<th>Type Work</th>
<th>Length</th>
<th>Cost Range</th>
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<tbody>
<tr>
<td>Monroe</td>
<td>Hwy. 79</td>
<td>110540</td>
<td>White River Strs. Demo. &amp; Removal (Clarendon) (S)</td>
<td>Bridge Removal</td>
<td>2.3</td>
<td>$10 - $15 Million</td>
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<tr>
<td>Crittenden</td>
<td>Hwy. 42</td>
<td>110567</td>
<td>Deer Bayou Str. &amp; Apprs. (S)</td>
<td>Str. &amp; Apprs.</td>
<td>0.3</td>
<td>$1 - $5 Million</td>
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<tr>
<td>Arkansas/Jefferson</td>
<td>Hwy. 11</td>
<td>020539</td>
<td>Bayou Meto Strs. &amp; Apprs. (S)</td>
<td>Strs. &amp; Apprs.</td>
<td>0.5</td>
<td>$1 - $5 Million</td>
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<tr>
<td>Polk</td>
<td>City Street</td>
<td>040659</td>
<td>Hwy. 71-Geyer Dr. (N. Morgan St.) (Mena) (S)</td>
<td>New Location</td>
<td>0.3</td>
<td>$1 - $5 Million</td>
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<tr>
<td>Washington</td>
<td>I-49</td>
<td>680414</td>
<td>Porter Rd.-Hwy. 112/71B Widening &amp; Irtrchng. Impvts. (S)</td>
<td>Major Widening</td>
<td>2.5</td>
<td>$50 - $75 Million</td>
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<td>White</td>
<td>New</td>
<td>050249</td>
<td>Hwy. 36-Hwy. 16 (S)</td>
<td>New Location</td>
<td>3.7</td>
<td>$10 - $15 Million</td>
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<tr>
<td>Pulaski</td>
<td>Hwy. 67</td>
<td>601447</td>
<td>Beverly St. Noise Barrier Wall (Hwy. 67) (Jacksonville) (S)</td>
<td>Noise Barrier Wall</td>
<td>0.3</td>
<td>&lt; $1 Million</td>
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<td>Calhoun</td>
<td>Hwy. 167</td>
<td>070238</td>
<td>Bangs Slough-Hwy. 172 (S)</td>
<td>Major Widening</td>
<td>3.9</td>
<td>$15 - $20 Million</td>
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<tr>
<td>Calhoun</td>
<td>Hwy. 167</td>
<td>070284</td>
<td>Hwy. 172-Hampton (S)</td>
<td>Major Widening</td>
<td>4.9</td>
<td>$15 - $20 Million</td>
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<td>Benton</td>
<td>Hwy. 718</td>
<td>090038</td>
<td>Dolisland Rd-8th St. (Rogers) (S)</td>
<td>Major Widening</td>
<td>1.0</td>
<td>$5 - $10 Million</td>
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</table>
Advertising

Project Advertisement

- Usual Period
- Extended Period

Questions

- Contractors
- Suppliers
• Compliance with State and Federal Regulations

• Evaluation of Bid

• Award or Reject
Project Lifecycle

- Planning & Scheduling
- Project Development
- Award
- Contract Execution
- Construction Inspection
- Final Acceptance Maintenance
## Conditional Award

<table>
<thead>
<tr>
<th>JOB NO.</th>
<th>STATUS</th>
<th>JOB NAME</th>
<th>ROUTE</th>
<th>CONTRACTOR</th>
<th>AMOUNT</th>
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<tbody>
<tr>
<td>110217</td>
<td>06</td>
<td>WALNUT CORNER-CYPRESS CORNER (S)</td>
<td>1</td>
<td>CHANCELLOR BROTHERS, LLC</td>
<td>$24,599,486.31</td>
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<tr>
<td>110573</td>
<td></td>
<td>L’ANGUILLE RIVER RELIEF STR. &amp; APPRS. (S)</td>
<td>261</td>
<td>CENTRAL ARKANSAS CONTRACTORS, INC.</td>
<td>1,608,717.84</td>
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<tr>
<td>020419</td>
<td></td>
<td>WELLS BAYOU STR. &amp; APPRS. (S)</td>
<td>54</td>
<td>MEHAFFY CONST. CO., INC.</td>
<td>1,991,772.00</td>
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<tr>
<td>020562</td>
<td>06</td>
<td>BIG CREEK STR. &amp; APPRS. (S)</td>
<td>270</td>
<td>MEHAFFY CONST. CO., INC.</td>
<td>1,991,772.00</td>
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</table>

01/15/16

Page 1 of 3

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

CONTRACTS AWARDED FROM LETTING OF JANUARY 13, 2016
Letting Information

**Total Cost of Projects**

Year  | Total Cost
--- | ---
2006 | $377
2007 | $375
2008 | $374
2009 | $500
2010 | $568
2011 | $548
2012 | $668
2013 | $827
2014 | $916
2015 | $870
2016 | $1,060
2017 | $1,543
2018 | $706
2019 | $542
2020 | $592

**Total Number of Projects**

Year  | Number of Projects
--- | ---
2006 | 171
2007 | 202
2008 | 187
2009 | 223
2010 | 230
2011 | 223
2012 | 225
2013 | 241
2014 | 270
2015 | 198
2016 | 273
2017 | 348
2018 | 266
2019 | 217
2020 | 207
Contract Execution

Disadvantaged Business Enterprise Commitment Form

Performance Bond

Payment Bond

www.enewsletters.constructionexec.com
e-Construction

It is agreed and understood between the parties hereto that the Contractor agrees to accept and the Commission agrees to pay for the work at the prices stipulated in the Contract Schedule of Prices, such payment to be in lawful money of the United States, and the payment shall be made at the time and in the manner set forth in the Specifications.

WITNESS OUR HANDS, this date FEB 22 2012

CONTRACTOR
CRANFORD CONSTRUCTION CO.

BY: ____________________________

PRINTED NAME: ____________________________
(If Not Legible)

ARKANSAS STATE HIGHWAY COMMISSION
BY: ____________________________
Director of Highways and Transportation

---

Doc Express Document Signing History
Contract: 061440 Document: 061440 CONTRACT

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<thead>
<tr>
<th>Date</th>
<th>Electronically Signed By</th>
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<tbody>
<tr>
<td>09/17/2015</td>
<td>Robert Jones</td>
</tr>
<tr>
<td></td>
<td>M &amp; T PAVING &amp; CONSTRUCTION CO. INC.</td>
</tr>
<tr>
<td></td>
<td>(SIGNED BY CONTRACTOR)</td>
</tr>
<tr>
<td>09/17/2015</td>
<td>Twandria Campbell</td>
</tr>
<tr>
<td></td>
<td>Arkansas State Highway and Transportation Department</td>
</tr>
<tr>
<td></td>
<td>(REVIEWED BY PROGRAM MANAGEMENT)</td>
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<tr>
<td>09/17/2015</td>
<td>Emanuel Banks</td>
</tr>
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<td></td>
<td>Arkansas State Highway and Transportation Department</td>
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<tr>
<td></td>
<td>(SIGNED BY DEPUTY DIRECTOR AND CHIEF ENGINEER)</td>
</tr>
<tr>
<td>09/18/2015</td>
<td>Lorie H. Tudor</td>
</tr>
<tr>
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<td>Arkansas State Highway and Transportation Department</td>
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<td>(SIGNED BY DEPUTY DIRECTOR AND CHIEF OPERATING OFFICER)</td>
</tr>
<tr>
<td>09/18/2015</td>
<td>Scott Bennett</td>
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<td>Arkansas State Highway and Transportation Department</td>
</tr>
<tr>
<td></td>
<td>(SIGNED BY DIRECTOR)</td>
</tr>
</tbody>
</table>
Project Lifecycle

- Planning Scheduling
- Project Development
- Award
- Contract Execution
- Construction Inspection
- Final Acceptance Maintenance
• **Schedule**
  
  • Work Progress = Contractor’s Responsibility
    - Fixed Completion Date
    - Working Days vs Calendar Days
  
  • Critical Path Method Scheduling
• Materials Testing
  • Quality Control
  • Acceptance
  • Verification
Construction Inspection

- Inspection / Payments
  - Measured Quantities
  - Payment to Contractor
    - Acceptable Materials, Accuracy & Scheduling
• Change Orders

  • Evaluation – Why?
    – Difference in Site Conditions
    – Price Reductions / Incentives

  • Development of Change Orders
    – Negotiation
    – Discussion

  • Authorization – Who?
    – Resident Engineers
    – District Engineers
    – Assistant Chief Engineer of Operations
• Final Inspection and Acceptance
  • Substantially Complete
  • Punch List
  • Final Inspection
    – All items completed and deficiencies corrected
  • Project Acceptance: State Construction Engineer
Expediting Contract Delivery
PARTNERING AGREEMENT
AHTD and AGC

Whereas, the Arkansas State Highway and Transportation Department (AHTD) and the Associated General Contractors of America, Arkansas Chapter (AGC), recognize the importance of providing quality surface transportation facilities in a safe, timely and cost-effective manner;

Therefore, we agree to continue our partnering efforts and to formalize the agreement through the following:

- Promote harmonious relationships throughout the industry, fostered in the concept of mutual trust and respect;
- Foster an inclusive industry that ensures full and open opportunity for all to participate and for responsible businesses to compete in an open, competitive bid environment;
- Promote quality through continuous improvement at all stages of the design and construction process;
- Cooperatively promote and encourage the use of new products, technology and processes that provide a demonstrated level of improved quality;
- Promote prompt and fair dispute resolution by opening communications through the use of partnering;
- Deliver surface transportation facilities in a manner that is environmentally responsible in both design and construction; and
- Ensure that the safety of the public and our employees will be a prime concern in delivering transportation facilities.

By following these principles, we can build customer satisfaction, enhance productivity and deliver a top quality product in which we can take pride.

Signed this 18th day of October 2011

Arkansas State Highway and Transportation Department

Associated General Contractors
Arkansas Chapter

Madison Murphy
Commission Chairman

Brad Fryar
President

Scott Bennett
Director of Highways and Transportation

Mark Windle
Highway Division Director
Get In
Get Done
Get Out

Incentives/Disincentives:
90 projects with Cost + Time completed since 2010

63 w/incentives - $13M
19 w/disincentives - $7M

Flexible
Beginning of Work
Reduce Projects in Overtime

- 568 projects (last 2 years)
- 83 (15%) in overtime
- 85% on time or ahead of schedule
“Flipped” Awards

14 out of 141 Projects Flipped

$ 5.2 million in Additional Cost

Contract Time Reduced by 884 Days
• ArkansasHighways.com
• ConnectingArkansasProgram.com
• Vimeo.com/AHTD
• IDriveArkansas.com
• Twitter.com @AHTD