

Wednesday, February 3, 2016

Scott E. Bennett, P.E.

Director of Highways and Transportation



**Senate Committee on
Transportation, Technology
& Legislative Affairs**

**House Committee on
Public Transportation**

Program



Updates

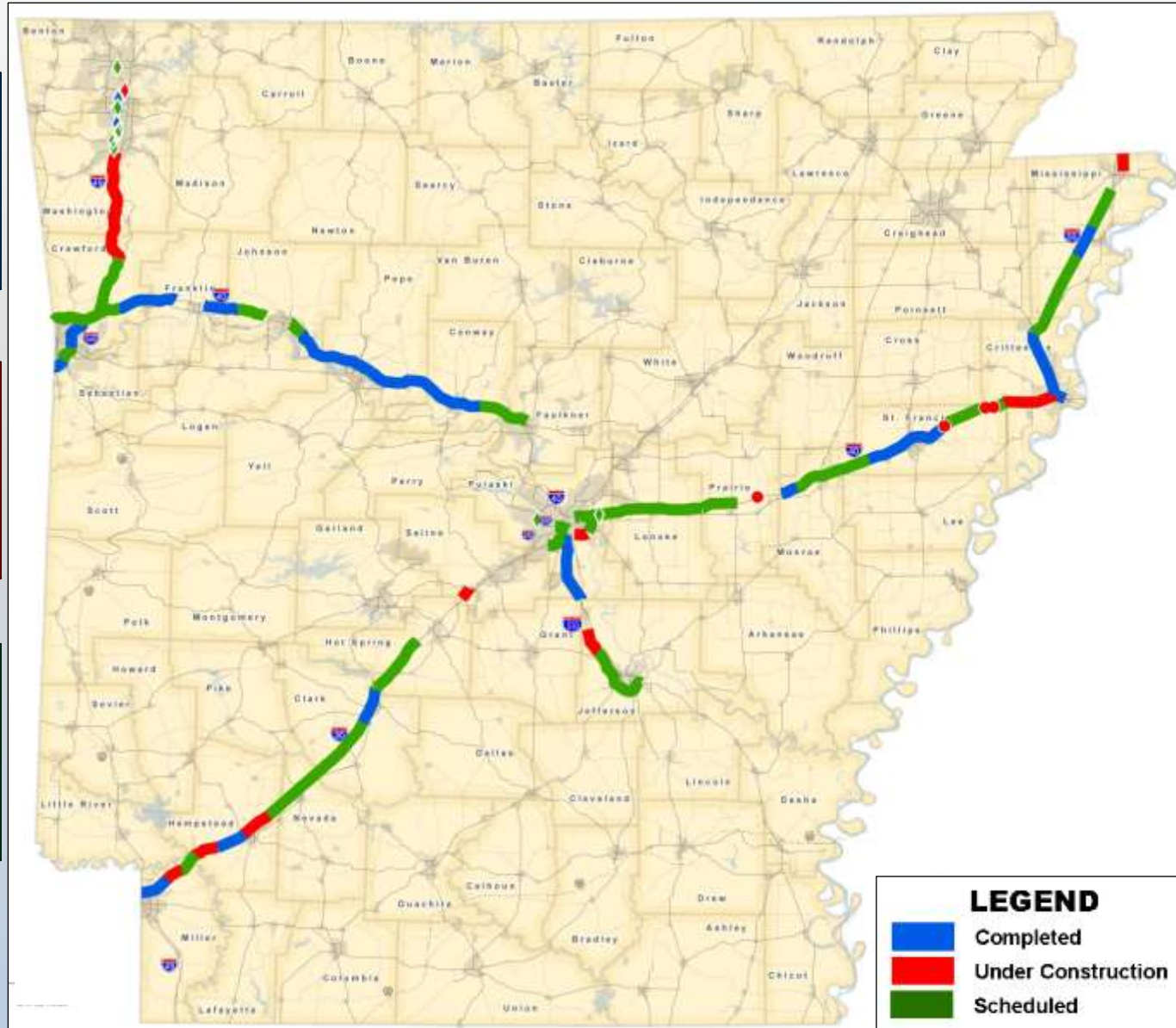


Interstate Rehabilitation Program Update

Completed:
23 Projects
170 miles
\$449 million

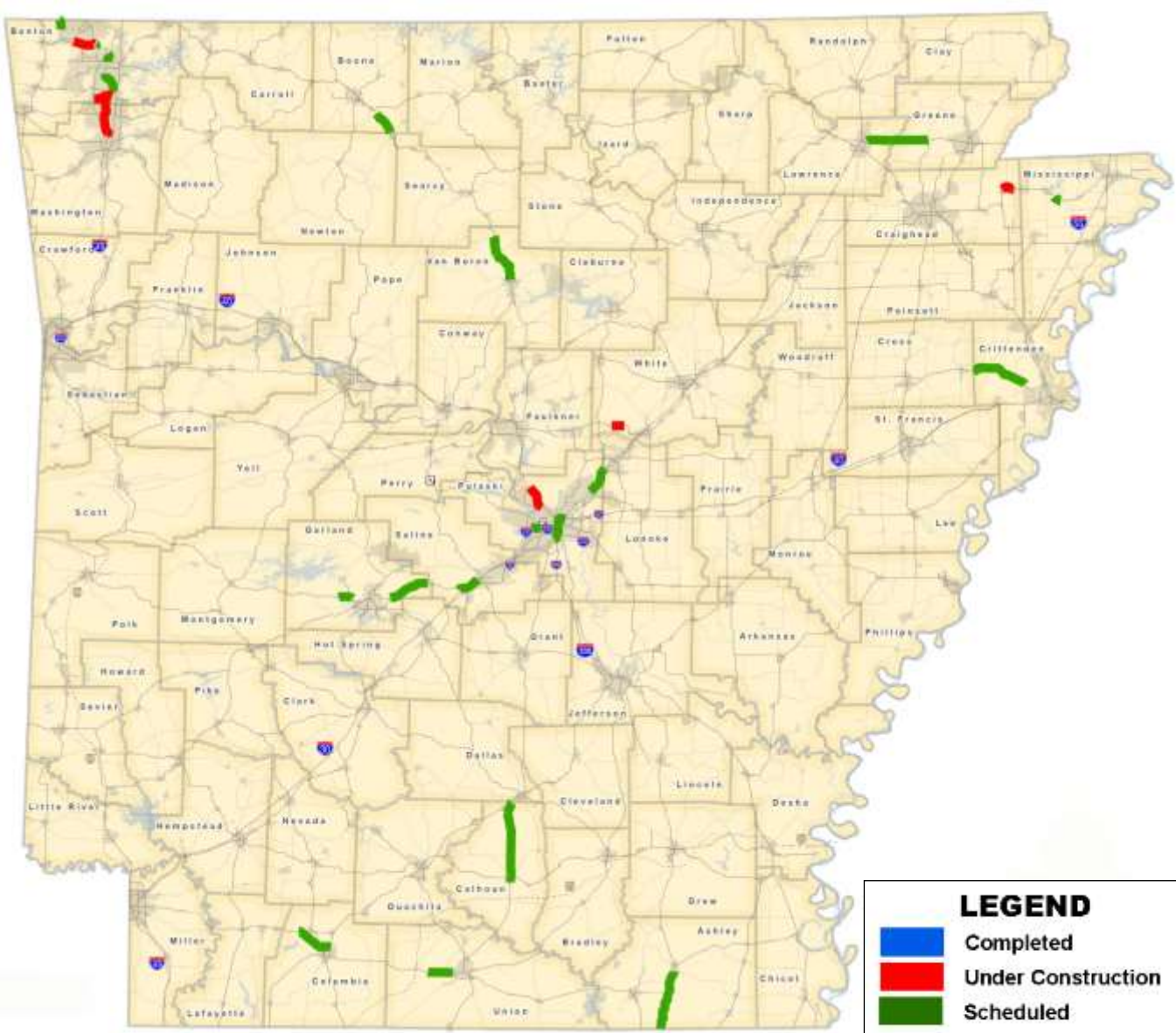
Under Construction:
15 Projects
80 miles
\$424 million

Scheduled:
44 Projects
240 miles
\$556 million





Connecting Arkansas Program Update

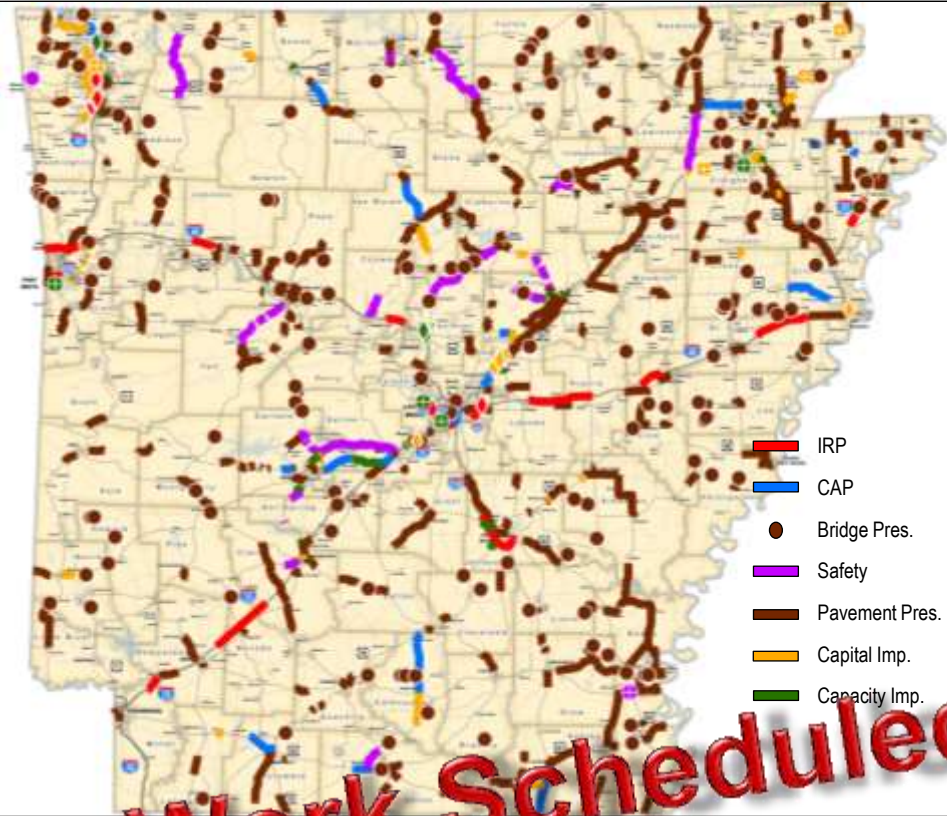


Under Construction:
7 Projects
29 miles
\$263 million

Scheduled:
28 Projects
149 miles
\$1.5 billion



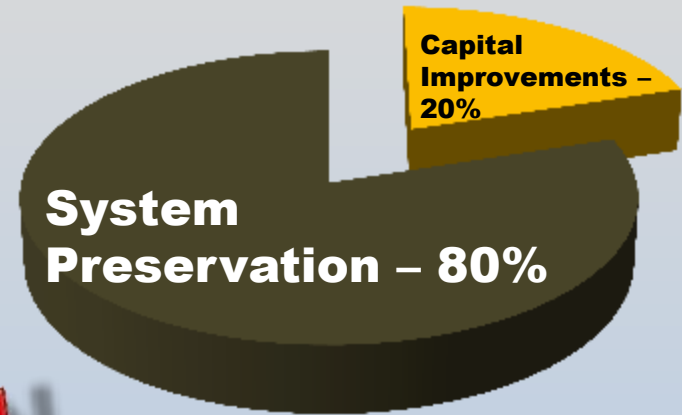
Draft Statewide Transportation Improvement Program (STIP) Federal Fiscal Years 2016-2020



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

“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



Flexible Funds

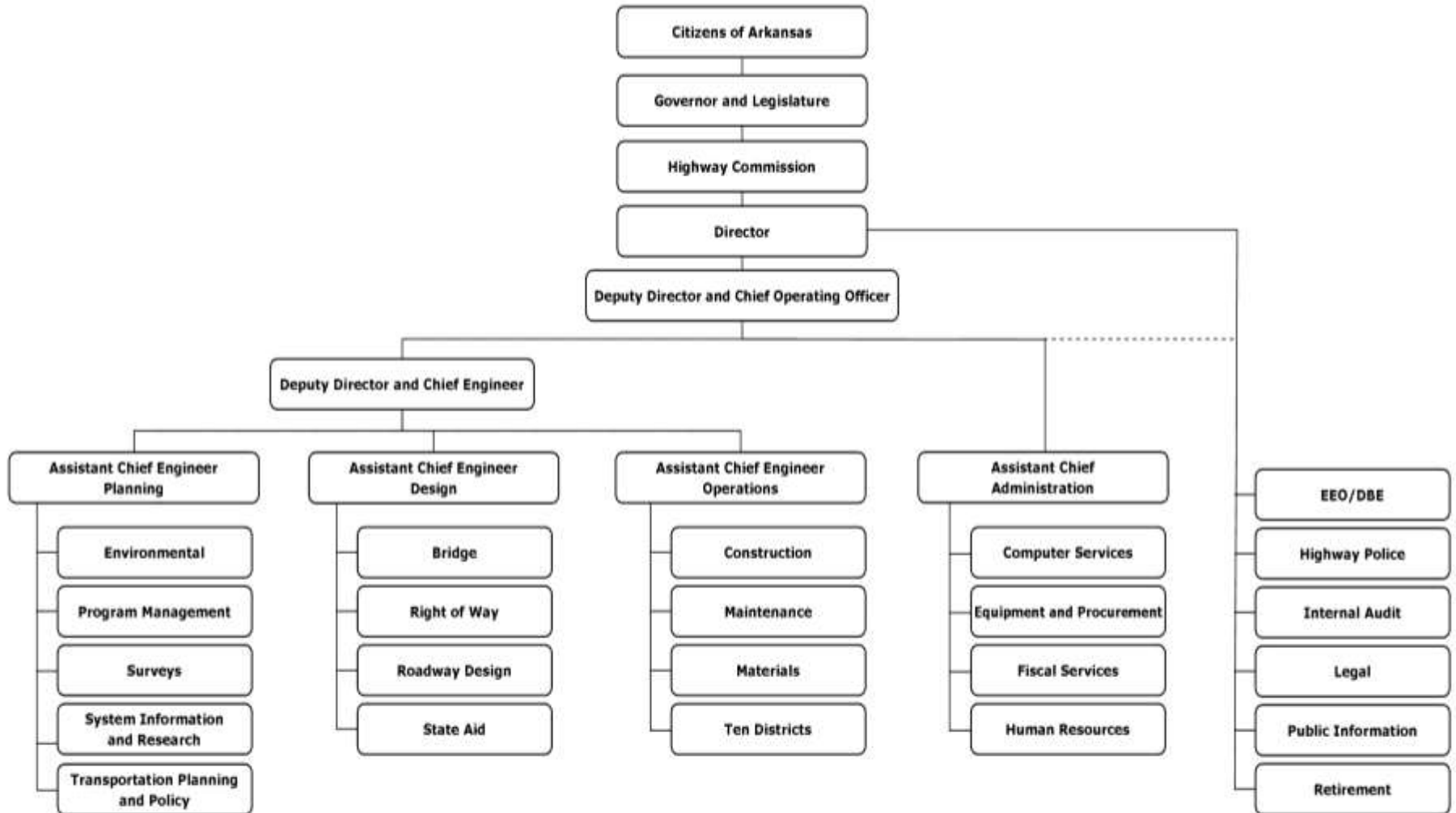
Department



Overview



Organizational Chart



Scott G. Bennett

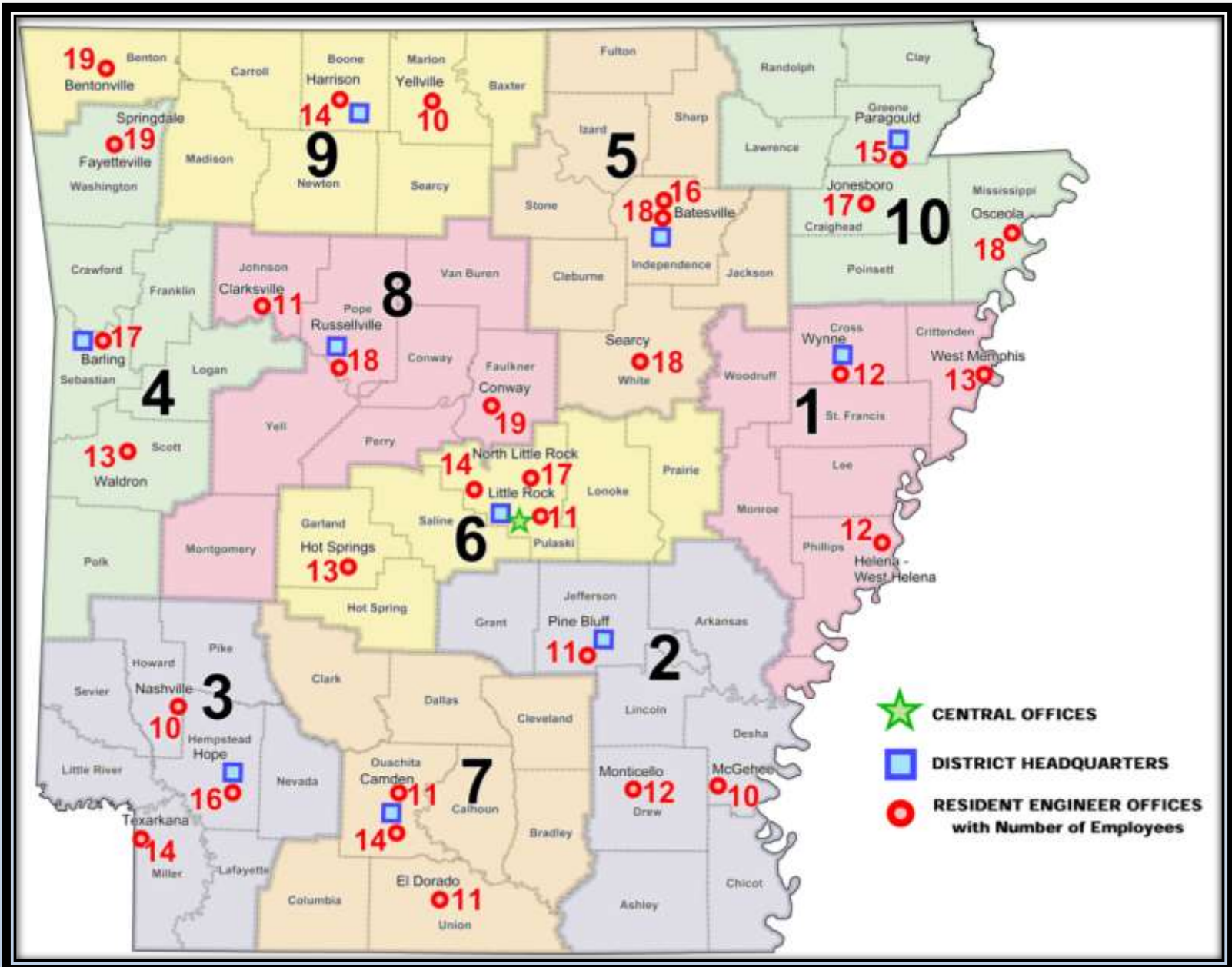
Director of Highways and Transportation

March 13, 2015

Date

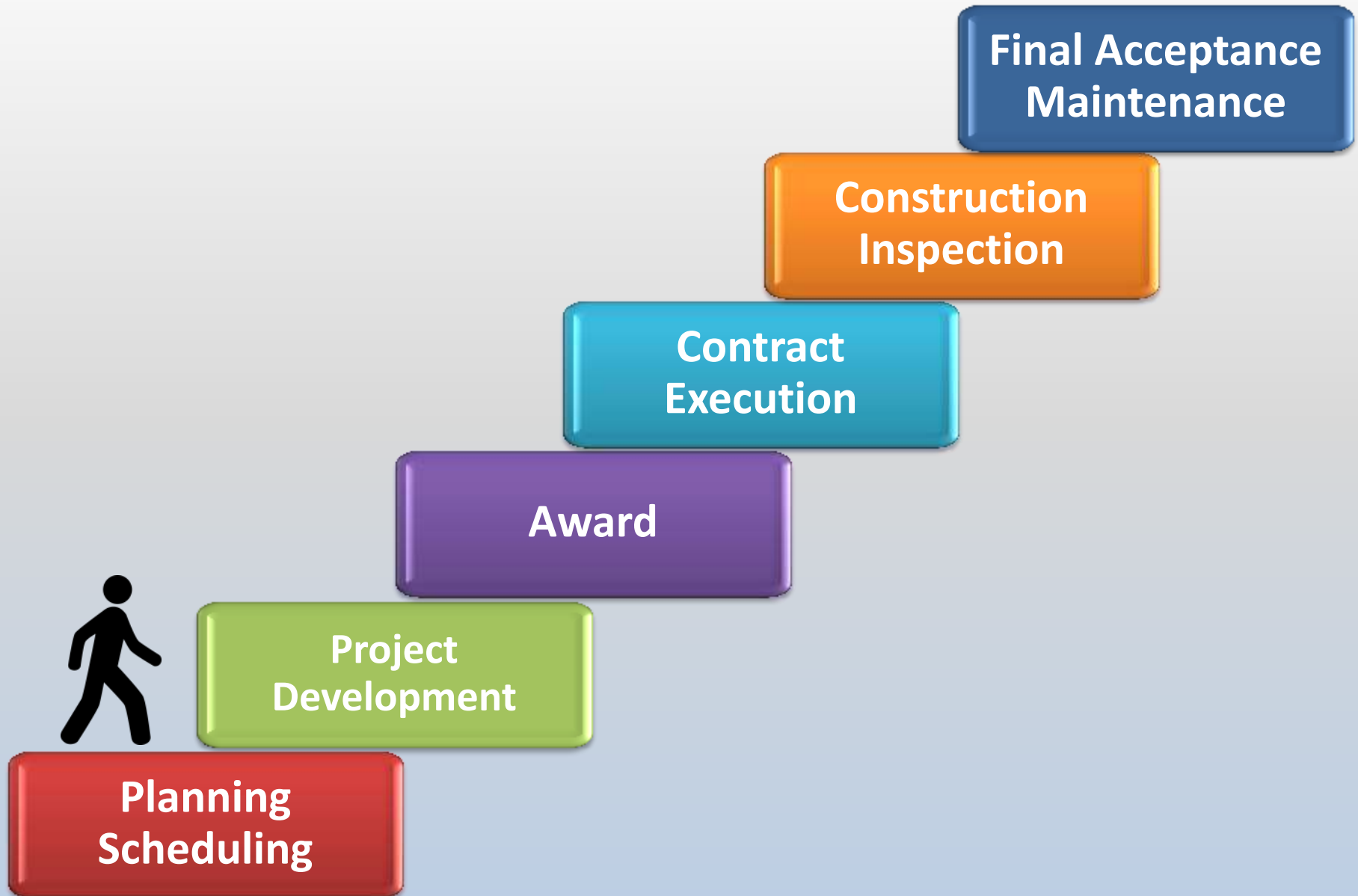


District Organization





Project Lifecycle





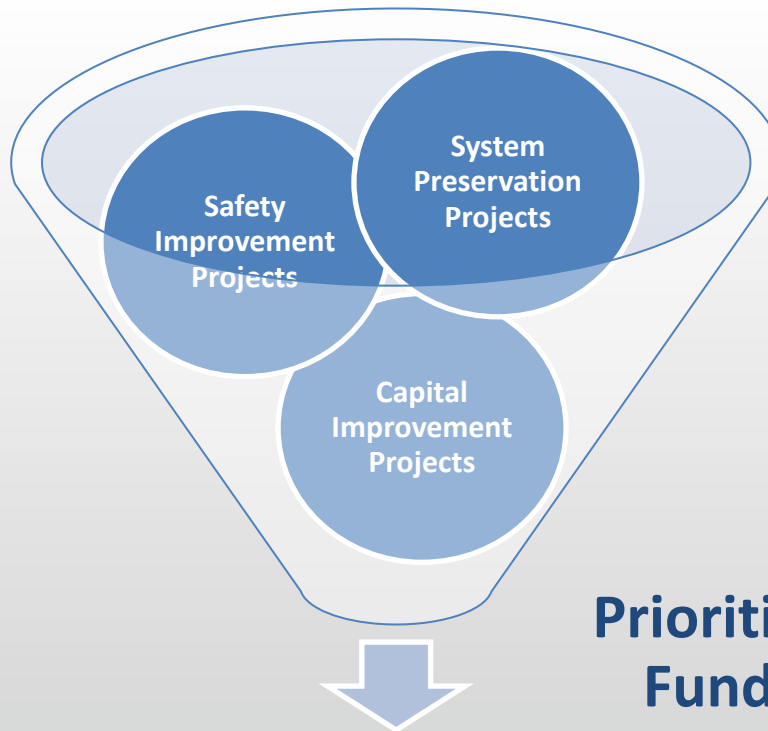
Planning

Purpose and Need

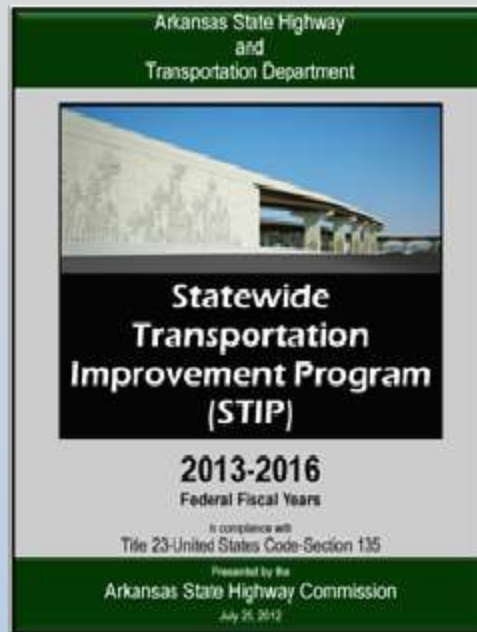
- **Highway Improvement Studies**
 - ✓ Corridors
 - ✓ Capacity
 - ✓ Safety
- **Data Driven System Wide Analysis**
 - ✓ System Preservation
 - Pavement
 - Bridges
 - Congestion
 - ✓ Safety



Scheduling



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

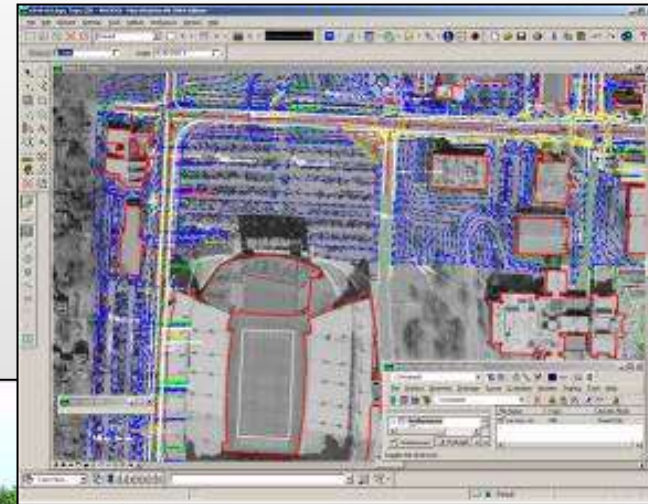


Project Lifecycle



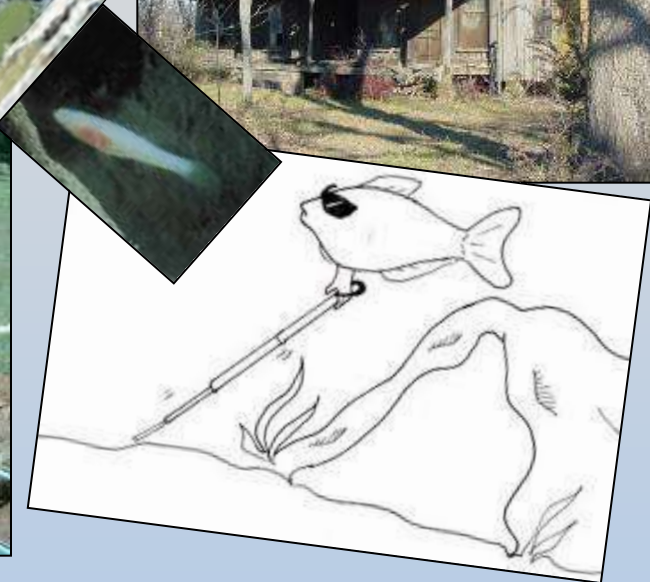
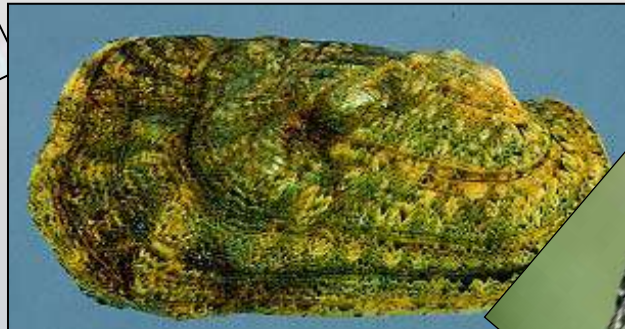
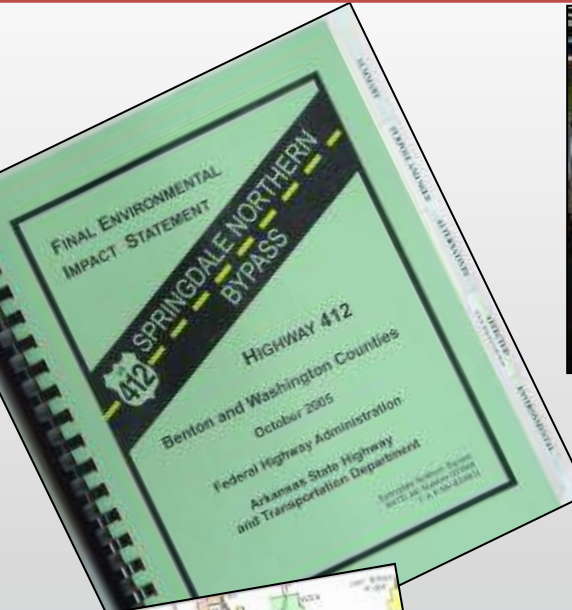


Surveys





Environmental Clearance



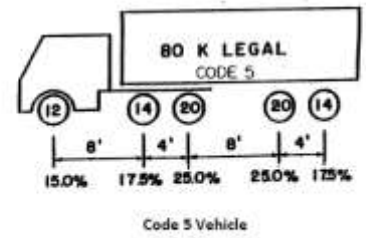
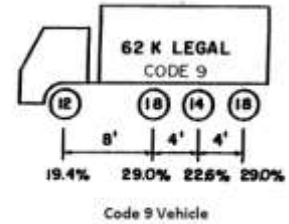
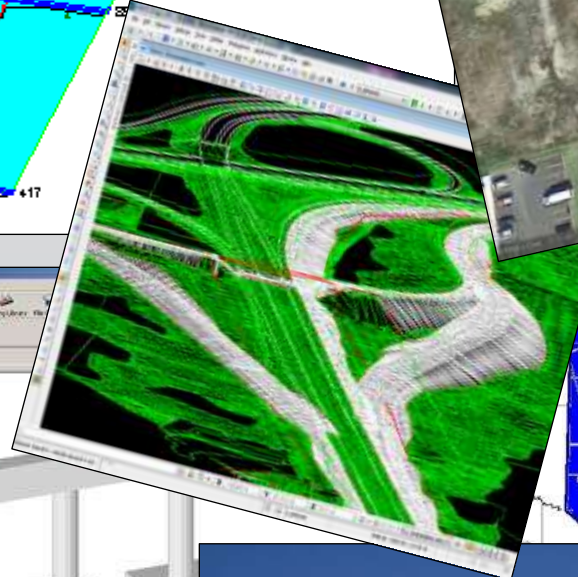
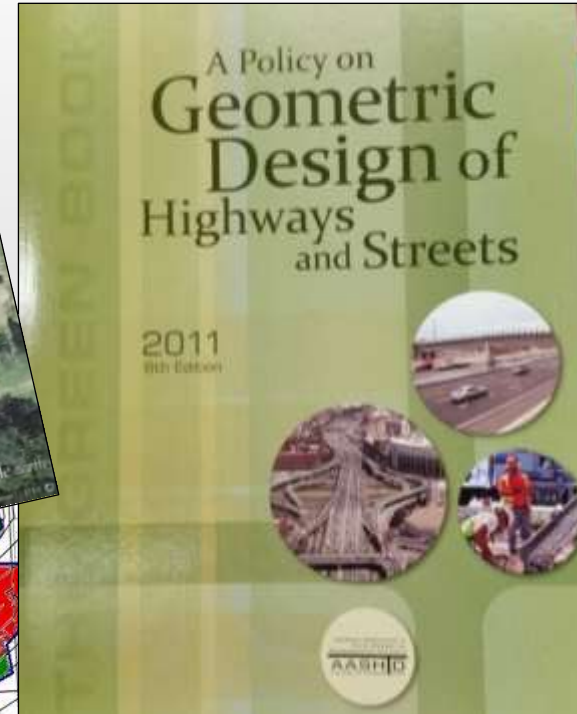
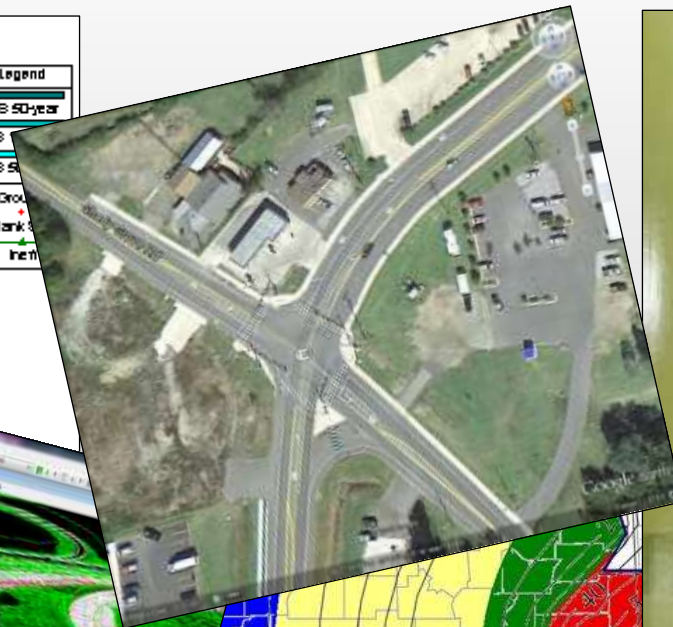
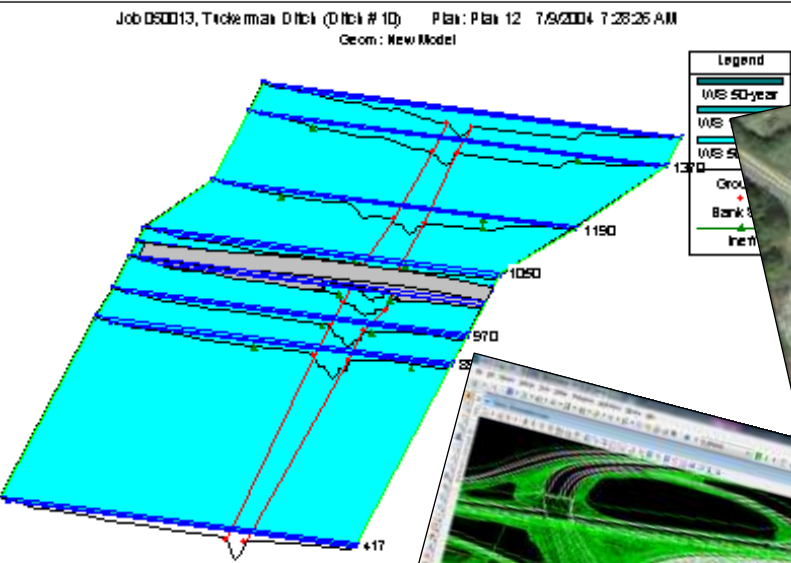


Materials Testing



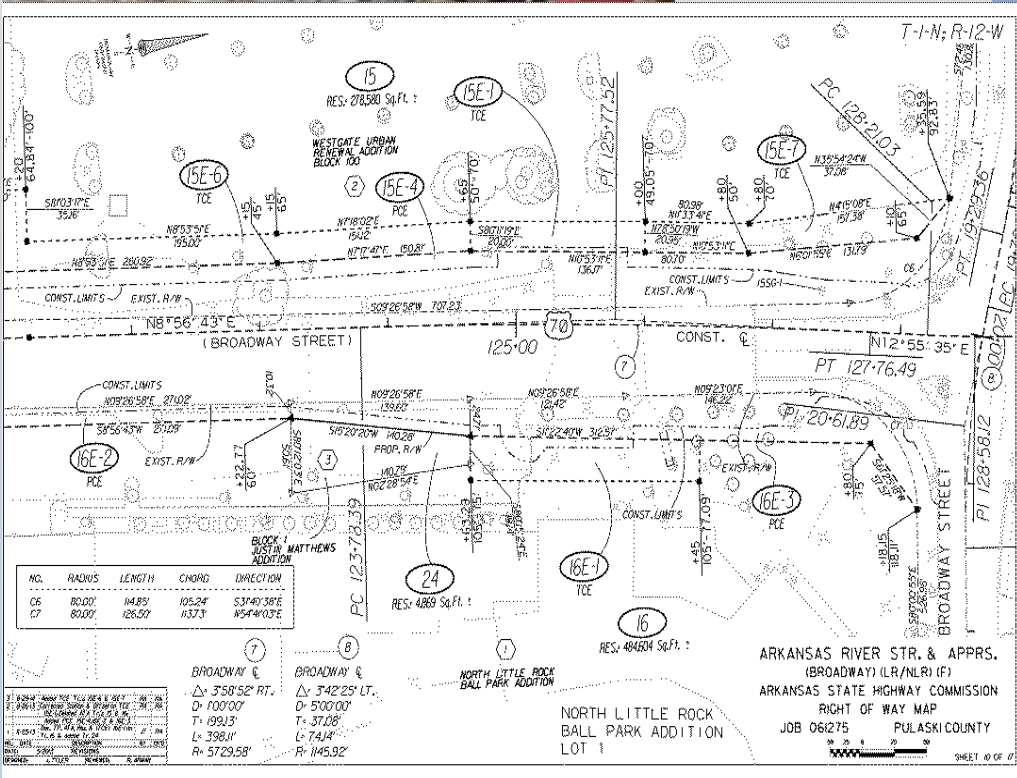


Design





Right of Way / Utilities





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

Page 2 of 4

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.

County	Route	Job No.	Job Name	Type Work	Length	Cost Range
<u>Estimated Letting Date: May 11, 2016</u>						
Missoua	Hwy. 79	110540	White River Strs. Demo. & Removal (Clarendon) (S)	Bridge Removal	2.3	\$10 - \$15 Million
Crittenden	Hwy. 42	110567	Deer Bayou Str. & Apprs. (S)	Str. & Apprs.	0.3	\$1 - \$5 Million
Arkansas/Jefferson	Hwy. 11	020539	Bayou Melo Strs. & Apprs. (S)	Strs. & Apprs.	0.5	\$1 - \$5 Million
Polk	City Street	040659	Hwy. 71-Geyer Dr. (N Morgan St.) (Mena) (S)	New Location	0.3	\$1 - \$5 Million
Washington	I-49	880414	Porter Rd.-Hwy. 112/71B Widening & Intctng. Impvts. (S)	Major Widening	2.5	\$50 - \$75 Million
White	New	050249	Hwy. 36-Hwy. 16 (S)	New Location	3.7	\$10 - \$15 Million
Pulaski	Hwy. 67	061447	Beverly St. Noise Barrier Wall (Hwy. 67) (Jacksonville) (S)	Noise Barrier Wall	0.3	< \$1 Million
Calhoun	Hwy. 167	070283	Bangs Slough-Hwy. 172 (S)	Major Widening	3.9	\$15 - \$20 Million
Calhoun	Hwy. 167	070284	Hwy. 172-Hampton (S)	Major Widening	4.9	\$15 - \$20 Million
Benton	Hwy. 71B	090338	Dudeland Rd.-8th St. (Rogers) (S)	Major Widening	1.0	\$5 - \$10 Million



Advertising

Project Advertisement

- Usual Period
- Extended Period

Questions

- Contractors
- Suppliers





e-Construction





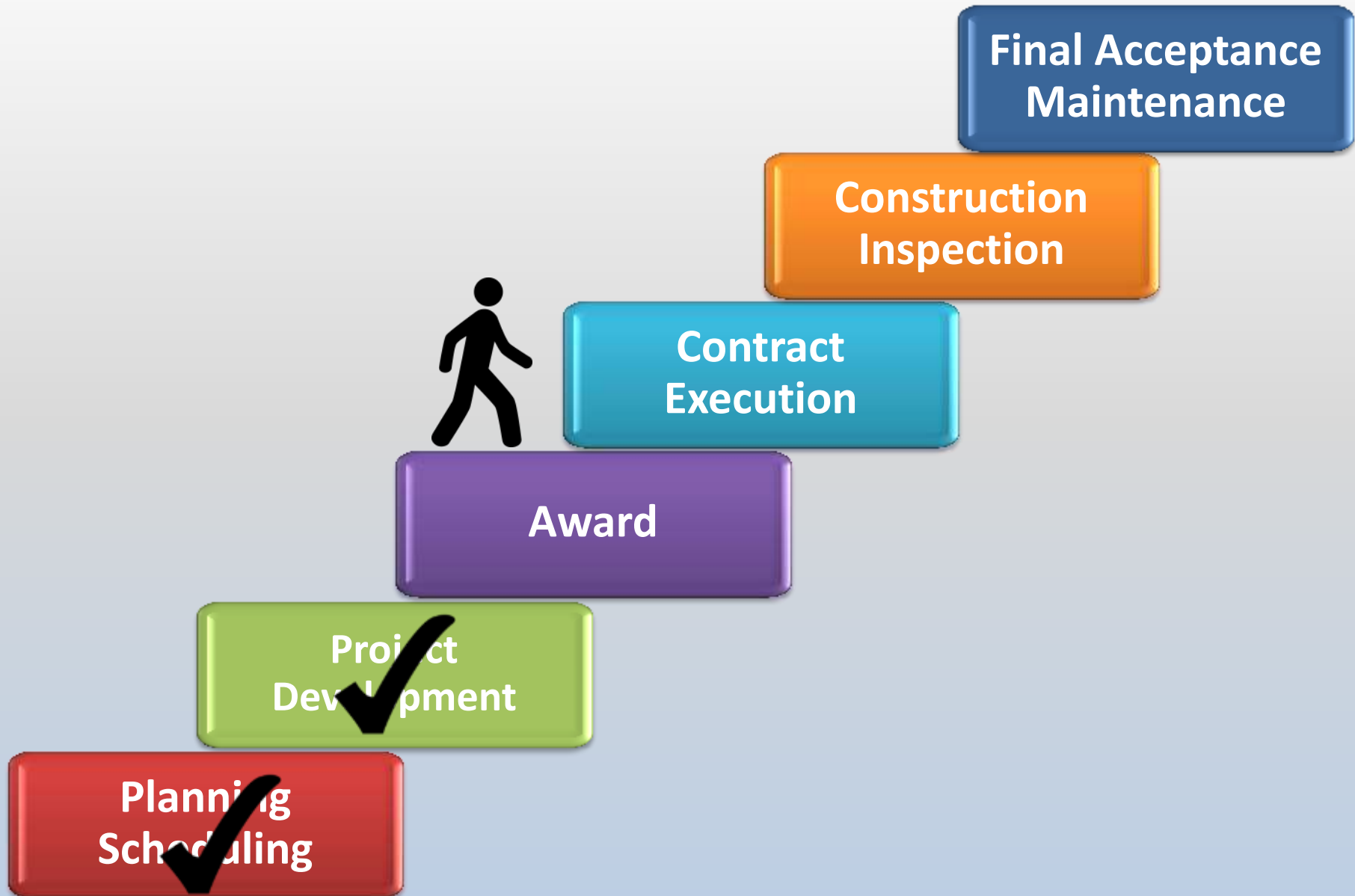
Bid Analysis

- **Compliance with State and Federal Regulations**
- **Evaluation of Bid**
- **Award or Reject**





Project Lifecycle





Conditional Award

01/15/16

Page 1 of 3

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT CONTRACTS AWARDED FROM LETTING OF JANUARY 13, 2016

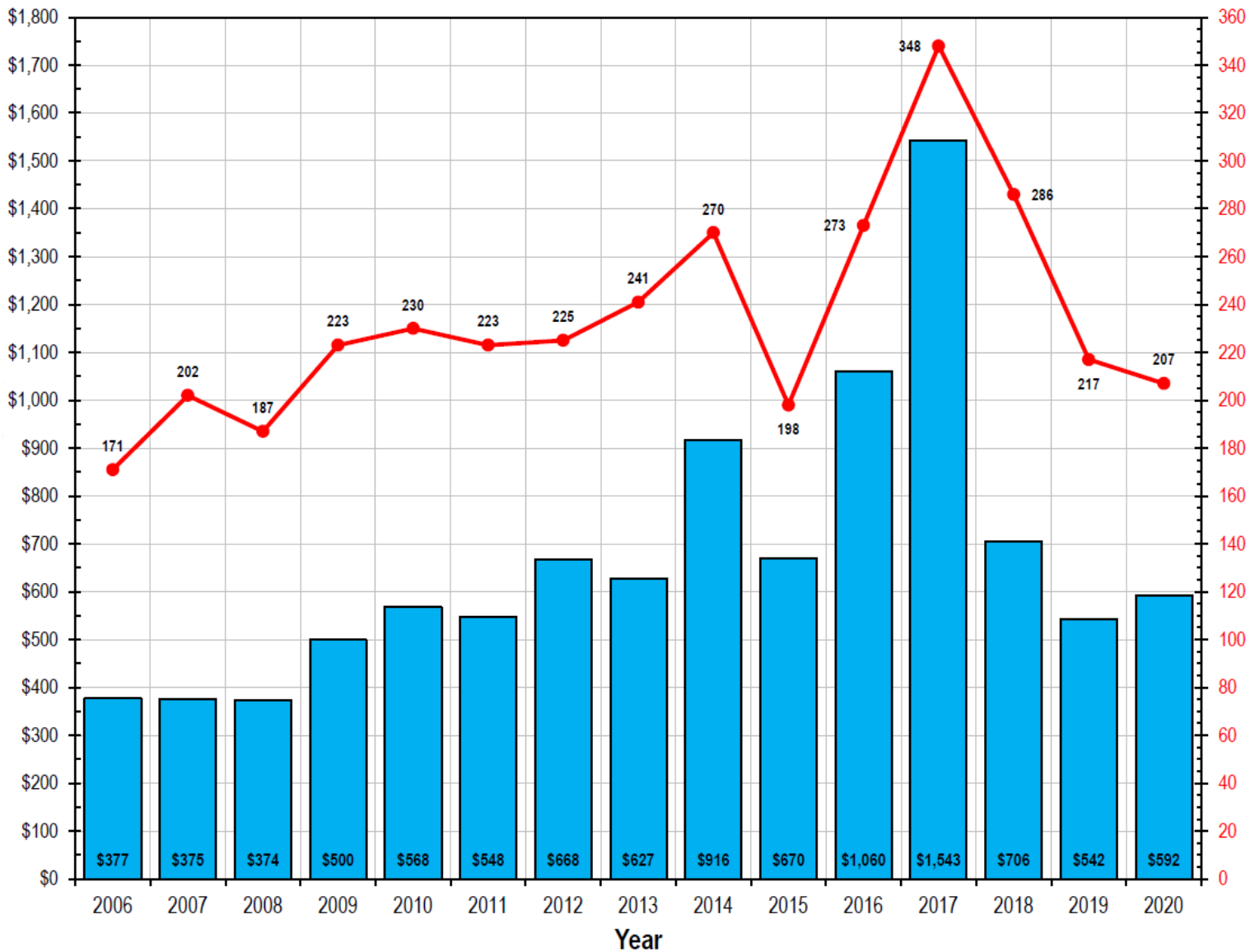
JOB NO.	STATUS	JOB NAME	ROUTE	CONTRACTOR	AMOUNT
110217 DISTRICT 01 LEE & PHILLIPS	06	WALNUT CORNER-CYPRESS CORNER (S)	1	CHANCELLOR BROTHERS, LLC 7474 RALEIGH LAGRANGE RD. CORDOVA, TN 38018-6224 9011754-2063 FAX 901/754-1987	\$24,599,486.31
110573 DISTRICT 01 ST. FRANCIS		L'ANGUILLE RIVER RELIEF STR. & APPRS. (S)	261	CENTRAL ARKANSAS CONTRACTORS, INC. P.O. BOX 164895 LITTLE ROCK, AR 72216 501/681-5840 FAX 501/374-2203	1,608,717.84
020419 DISTRICT 02 LINCOLN		WELLS BAYOU STR. & APPRS. (S)	54		ALL BIDS REJECTED
020562 DISTRICT 02 GRANT	06	BIG CREEK STR. & APPRS. (S)	270	MEHAFFY CONST. CO., INC. P. O. BOX 339 NO. LITTLE ROCK, AR 72115-0339 501/758-3030 FAX 501/758-8157	1,991,772.00



Letting Information

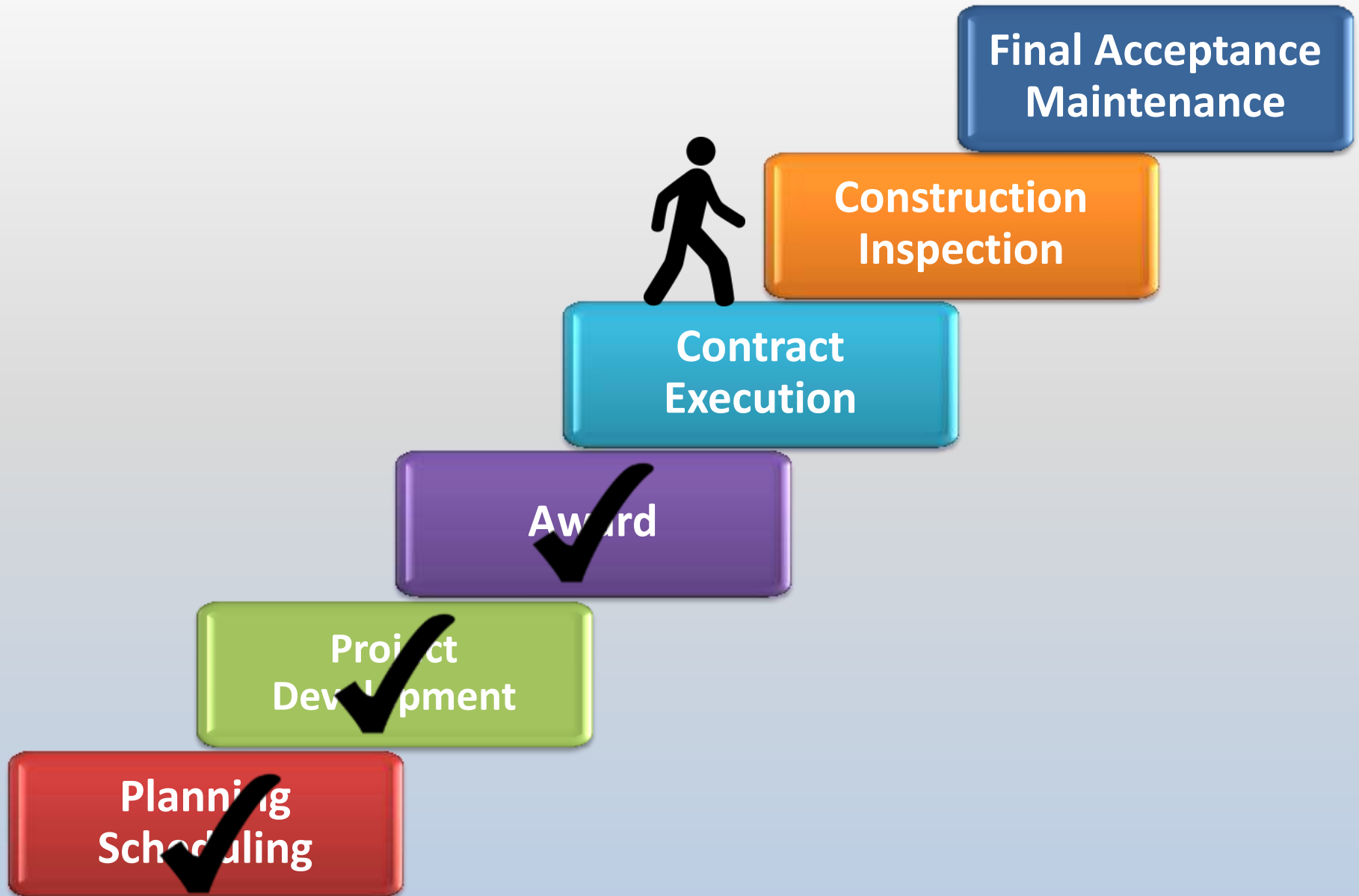
Total Cost of Projects

Total Number of Projects





Project Lifecycle





Contract Execution

Disadvantaged Business
Enterprise Commitment Form

Performance Bond

Payment Bond



BONDS



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: [Signature]

PRINTED NAME: Steve Crawford
(Must Be Legible)

ARKANSAS STATE HIGHWAY COMMISSION
BY: [Signature]
Director of Highways and Transportation



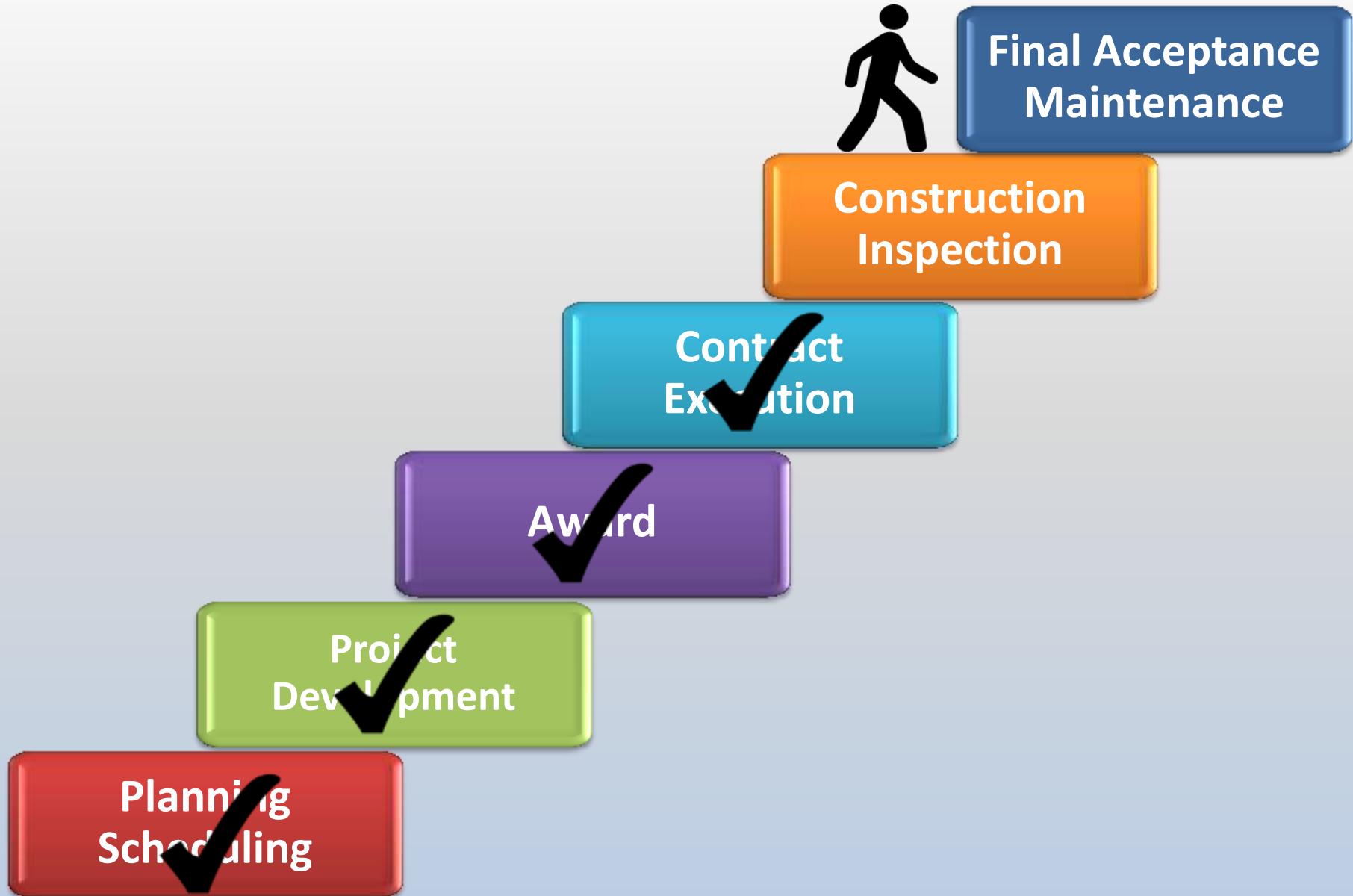
Doc Express Document Signing History

Contract: 061440 Document: 061440 CONTRACT

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



Project Lifecycle





Construction Inspection

• Schedule

- Work Progress = Contractor's Responsibility
 - Fixed Completion Date
 - Working Days vs Calendar Days
- Critical Path Method Scheduling





Construction Inspection

- **Materials Testing**

- Quality Control
- Acceptance
- Verification





Construction Inspection

- **Inspection / Payments**

- Measured Quantities

- Payment to Contractor

- Acceptable Materials, Accuracy & Scheduling

AHTD Estimate Number: 0101 Arkansas State Highway And Transportation Department Page 1
Contract ID: 110503 Contract Voucher Summary Printed 02-01-2016
BE Office: 11 Pay Period Ending Date: 01/04/2013 Estimate Status - Approved
Spec Year: 2001

Description: ROC RDE & WHITE RIVER RELIEF STRS. & APPRS. (CLARENDON) (F)
Contractor: W.G. YATES & SONS CONST. CO. Time Charge: 305 Days
P.O. BOX 406 Contract Term: 400 Working Days
PHILADELPHIA, MS 39056 Percent Of Term: 91.25%

Contractor: W.G. YATES & SONS CONST. CO.
104 GULLEY AVENUE
PHILADELPHIA, MS 39056

Contractor: W.G. YATES & SONS CONST. CO.
500 W. MAIN STREET, 2ND FLOOR
TUPELO, MS 38804

Project: Federal / State Project Number Description
110503 L1CD-0046-021 ROC RDE & WHITE RIVER RELIEF STRS. & APPRS. (CLARENDON) (F)

		Total To Date	Previous To Date	This Period
Awarded Contract Amount	\$34,873,250.16			
Percent Of Work Completed	96.99%			
Participating		\$30,131,462.42	\$20,829,155.15	\$302,307.27
Non-Participating		\$0.00	\$0.00	\$0.00
Total Earnings		\$30,131,462.42	\$20,829,155.15	\$302,307.27
Materials Estimate		\$0.00	\$0.00	\$0.00
Liquidated Damages		\$0.00	\$0.00	\$0.00
Payment Adjustment		\$1,600,000.00	\$1,600,000.00	\$0.00
Totals		\$31,731,462.42	\$31,429,155.15	\$302,307.27

Payment Due This Estimate \$302,307.27

Verified: _____ Voucher No: _____
Approved For Payment: _____ Construction Engineer Voucher Date: _____

Ver: 1/16/2016



Construction Inspection

• 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

ARKANSAS STATE HIGHWAY COMMISSION
CHANGE ORDER

Job Name _____ TAP No. _____
Job No. _____
Changes to: _____
DESCRIPTION OF CHANGE _____
REASON FOR CHANGE _____

Route & Section _____
County _____
Change Order No. _____

Item No.	Item	Unit	SUMMARY		PRESENT		REVISED	
			Unit Price	Quantity	Amount	Quantity	Amount	

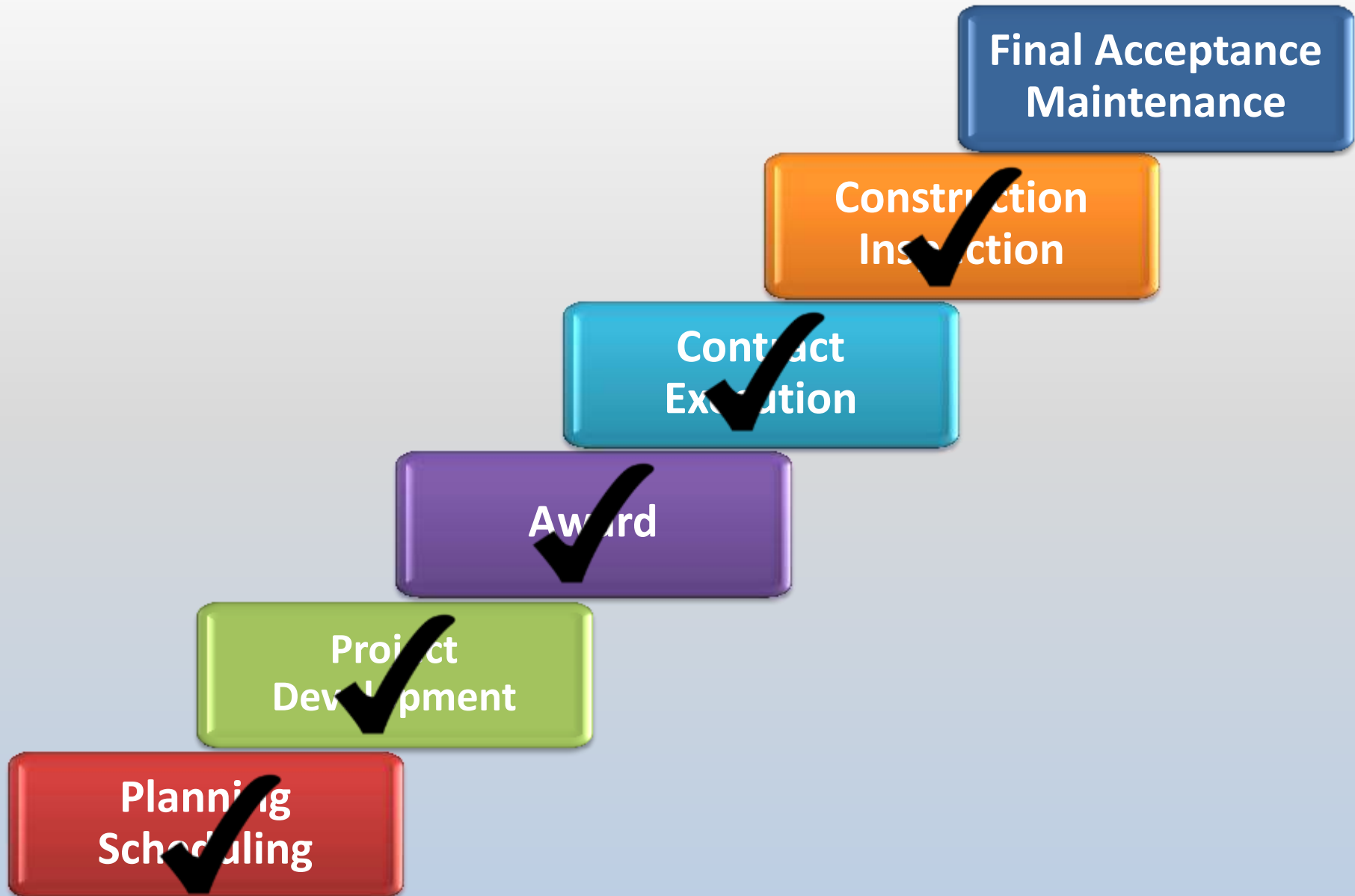
Recommended _____
District Engineer _____
APPROVED _____
David B. Herrick, Construction Engineer
Authorized _____
Tony Sullivan, Assistant Chief Engineer

Requested _____
Resident Engineer _____

Oyler



Project Lifecycle





Construction Inspection

• Final Inspection and Acceptance

- Substantially Complete
- Punch List
- Final Inspection
 - All items completed and deficiencies corrected
- Project Acceptance: State Construction Engineer



Expediting



Contract Delivery



AHTD and AGC Partnering Agreement

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 inclusionary 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 the quality of our work and deliver a top quality product in which we can take pride.

Signed this 16th day of October 2011

Arkansas State Highway
and Transportation Department

Associated General
Contractors of America,
Arkansas Chapter

Madison Murphy
Madison Murphy
Commission Chairman

Brad Fryar
Brad Fryar
President

Scott E. Bennett
Scott E. Bennett
Director of Highways and Transportation

Mark Winkle
Mark Winkle
Highway Division





Efforts to Expedite Construction



**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**



Efforts to Expedite Construction

Reduce Projects in Overtime

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



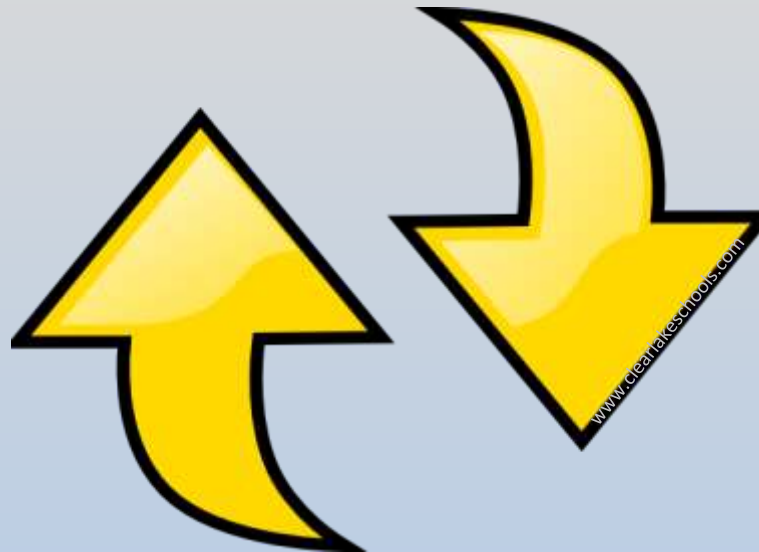


“Flipped” Awards

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](https://twitter.com/AHTD)



@AHTD

