

**PERFORMANCE
AND
EXPENDITURE REPORT**

STATE FISCAL YEAR 2015

**ARKANSAS STATE HIGHWAY AND
TRANSPORTATION DEPARTMENT**

**TRANSPORTATION PLANNING AND POLICY DIVISION
AND SYSTEM INFORMATION AND RESEARCH
DIVISION
FHWA PROJECT SPR-2000(35)**



September 2015

**In Cooperation with the
Federal Highway Administration
U.S. Department of Transportation**

PERFORMANCE AND EXPENDITURE REPORT
Federal-aid State Planning and Research (SPR) Funds
FHWA Project SPR 2000(35)
Part I – Planning
State Fiscal Year 2015

September 2015

Prepared by the
Transportation Planning and Policy Division
System Information and Research Division
Arkansas State Highway and Transportation Department

In Cooperation with the

FEDERAL HIGHWAY ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION

TABLE OF CONTENTS

ITEM	PAGE
Introduction	1
TRANSPORTATION PLANNING AND POLICY	
Federal-aid State Planning and Research (SPR) Funds—Part I-Planning.....	2
Administration	2
GIS and Mapping	2
Legislative Review.....	5
Modeling and Management Studies	6
Performance Measures	6
Finance	6
Publications.....	6
Highway System Planning Studies.....	7
Air Quality Activities.....	9
Cities Over 50,000 Population.....	10
Reference Library.....	13
Statewide Plan	13
Intermodal Transportation Planning	13
Travel, Training and Seminars	14
Railroad Crossing Coordination	14
Traffic Crash Location	14
Traffic Crash Record Analysis.....	15
SYSTEM INFORMATION AND RESEARCH	
Administration	16
Travel, Training and Seminars	16
Performance Measures	16
Pavement Management System	16
Multimedia Highway Information System (MMHIS)	16
Roadway Asset Inventory.....	17
Asset Management System	17
Asset Management Data Collection Vehicle	17
Field Operations.....	17
Data Analysis	18
Pavement Performance Data Collection	18
Highway Performance Monitoring System (HPMS).....	19

Automated Traffic Data Collection.....	19
Highway Condition Inventory and Analysis	19
Contract Turning Movement Counts.....	19
Contract Collection of Traffic Volume Counts.....	19
Contract Collection of Vehicle Classification Counts	20
Traffic Data Collection – Traffic Counts.....	20
Rural Data Analysis.....	20
Rural Automated Traffic Data Collection	20
Continuous Automated Traffic Monitoring Stations (Rural)	22
Continuous Automated Traffic Monitoring Stations (Urban)	23

STUDIES FUNDED THROUGH OTHER FEDERAL PROGRAMS

Statewide Travel Demand Model, Phase II	24
State Rail Plan Update	24
State Bicycle and Pedestrian Transportation Update	24
High Speed/Intercity Passenger Rail Study.....	24
I-40 Toll Feasibility Study (NLR – West Memphis)	25
Highway 67 – I-40 West (North Belt Freeway Toll Feasibility Study)	25
Bella Vista Toll Facility (Highway 71 Relocation)	25

STP ATTRIBUTABLE FUNDING

CARTS 2040 Long-Range Transportation Plan	25
NARTS Planning Study	25
CARTS Planning Study	25
WMATS Planning Study	25

CONGESTION MITIGATION AND AIR QUALITY (CMAQ) IMPROVEMENT

WMATS Air Quality - MPO	26
CARTS Ozone Awareness.....	26

PLANNING BY METROPOLITAN PLANNING ORGANIZATIONS

SUMMARY TABLES	27
State Fiscal Year 2015 Part I - Planning Approved Budget with Revisions	28
Final Performance and Expenditure Report In-House Planning.....	29

INTRODUCTION

This report has been developed in compliance with 23 CFR 420.117, Program Monitoring and Reporting, which is in accordance with 49 CFR 18.40. It records the use of Federal-aid State Planning and Research (SPR) Part I – Planning funds during State Fiscal Year 2015. Activities using SPR Part II – Research funds during this period will be documented in reports developed for individual projects. These reports will be submitted separately.

Presented in this document are accomplishments listed by job number, the approved budget with revisions, and a comparison of actual costs expended to the amounts budgeted for planning activities. Accomplishments are also included for projects that have oversight provided within the Transportation Planning and Policy Division and the System Information Research Division but that are funded with other Federal-aid funds. Many of the projects included in this report are ongoing and will continue into Fiscal Year 2016.

Individual Performance and Expenditure Reports are developed and submitted separately by the Metropolitan Planning Organizations (MPOs). These reports present accomplishments made by each of the State's eight MPOs for Fiscal Year 2015.

**TRANSPORTATION PLANNING AND POLICY
FEDERAL-AID STATE PLANNING AND RESEARCH (SPR) FUNDS
PART I – PLANNING**

Activities for Jobs 400 through 432 and Jobs 467 and 468 represent in-house transportation planning projects. Expenditures which exceed apportioned Federal-aid funds and the required State match are paid using 100 percent State funds. During Fiscal Year 2015, there were adequate SPR funds available for project activities.

Accomplishments during State Fiscal Year 2015 for SPR Part I – Planning funded activities follow. The Approved Budget with Revisions and the Final Performance and Expenditure Report tables are located at the end of the report.

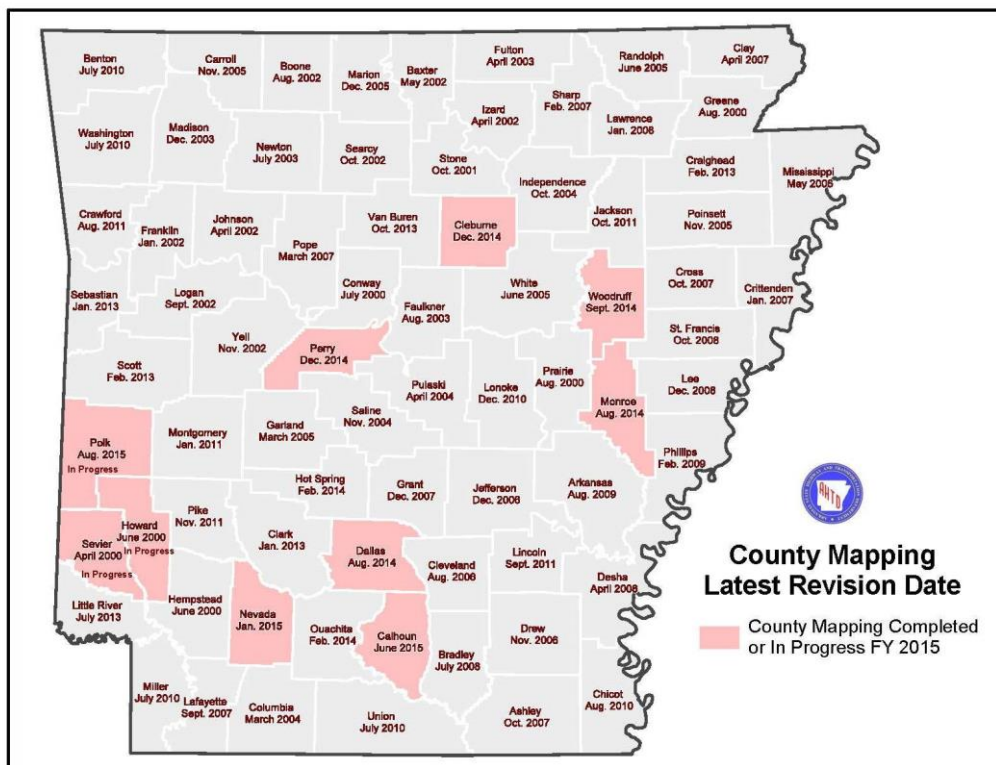
400 - ADMINISTRATION

Administrative guidance and controls were accomplished in accordance with the goals and objectives set forth for the Division. The necessary purchasing, storing, and distribution of supplies continued. An accurate inventory was maintained for the Division. Federal Registers were reviewed for information affecting Department operations, planning, and the administration of funds. The Fiscal Year 2016 SPR Work Program and Cost Estimate document and the Fiscal Year 2015 Performance and Expenditure Report were developed in compliance with federal requirements.

402 – GIS AND MAPPING

- State Highway Map (Tourist Map) updated and 1,000,000 copies printed. The State Highway Map is distributed by the Reprographics Section at the Department by request in person, written, on the phone or online at www.arkansashighways.com or www.idrivearkansas.com. In addition, State Highway Maps are also available at Arkansas Welcome Centers and Arkansas Parks and Tourism facilities.
- Changes to the State Highway System were made in the current State Highway Linear Referencing System and the current Off-System Linear Referencing System. Mileage changes, relocated routes and new routes are updated as soon as notification is given to the GIS and Mapping Section. In addition, all cartographic maps are updated to reflect needed changes.

- Statewide highway and District highway map templates have been created in both Intergraph and ESRI platforms for Departmental use. Also, the county route and section map templates are currently being developed.
- These will be used around the Department in addition to the Microstation statewide, district and county base maps produced within the section.
- Completed full county map updates on the following:
 - Dallas County – August 2014
 - Monroe County – August 2014
 - Woodruff County – September 2014
 - Perry County – December 2014
 - Calhoun County – December 2014
 - Cleburne County – December 2014
 - Nevada County – January 2015
- Counties that were not fully updated required minor revisions in specific areas such as but not limited to:
 - City Limits
 - State Highway Revisions
 - Local Road Updates
 - Culture Updates (i.e., schools, churches, post offices, police and fire stations, etc.)



- Completed full map updates with street indexes on the following cities and municipal areas:

- | | | |
|------------------|-----------------|--------------|
| • Benton | • Fouke | • Redfield |
| • Bethel Heights | • Fountain Lake | • Rockport |
| • Blackrock | • Jacksonville | • Southside |
| • Bryant | • Lonoke | • Springdale |
| • Cash | • Malvern | • Texarkana |
| • Donaldson | • Midway | • White Hall |
| • Egypt | • Perla | • Wynne |
| • Elm Springs | • Pine Bluff | |
| • Friendship | • Powhatan | |
| • Forrest City | • Prairie Grove | |

- Cities that were not fully updated and indexed required minor revisions in specific areas such as but not limited to:
 - City Limits
 - State Highway Revisions
 - Local Road Updates
 - Culture Updates (i.e., schools, churches, post offices, police and fire stations, etc.)
- The following city limit boundaries were updated utilizing official legal descriptions from the Secretary of State's Office:

- | | |
|----------------|-----------------|
| ▪ Bigelow | ▪ Newport |
| ▪ Brookland | ▪ Nimmons |
| ▪ Coal Hill | ▪ Peach Orchard |
| ▪ Corning | ▪ Perryville |
| ▪ Datto | ▪ Piggott |
| ▪ Dierks | ▪ Pine Bluff |
| ▪ Green Forest | ▪ Pollard |
| ▪ Greenway | ▪ Powhatan |
| ▪ Grubbs | ▪ Quitman |
| ▪ Gurdon | ▪ Rector |
| ▪ Jacksonport | ▪ Rockport |
| ▪ Knobel | ▪ Southside |
| ▪ Mansfield | ▪ Success |
| ▪ McDougal | ▪ Swifton |
| ▪ Nashville | ▪ Trumann |

- Tuckerman
 - Tupelo
 - Ward
 - Weldon
 - White Hall
- GIS Datasets Created /Updated/Maintained:
 - Linear Referencing System (LRS)-State Highway System and Off-System
 - All Public Roads Linear Referencing System (LRS)
 - Cities (Current and Archival)
 - National Forests/State Parks/Public Park Boundaries
 - Culture layers (Libraries, Museums, Drive-Ins, Chicken Houses, Airports, etc.)
 - Base map templates for State, District and County maps for consistent mapped products from the TP&P Division.
 - Other Duties/Special Projects/Regular Maintenance:
 - Creating, Updating and Posting layers for the IDriveArkansas website (Administration)
 - Study Maps for Planning Studies (Multimodal and Project Planning)
 - Public Involvement Displays (Multimodal and Project Planning)
 - Crash Maps/Safety Study Maps (Traffic Safety)
 - Director's Book Maps (Policy & Legislative Analysis)
 - AHTD Arkansas Highway Police District Map (Radio Room)
 - State Highway System Route Change Sketches (System Information)
 - ADT County Book Base Maps (Traffic Information Systems)
 - ArcGIS, GeoMedia and Microstation methodologies training/assistance (Department-wide)
 - Intranet and Internet updated with TIF image of updated county and city maps
 - Intranet and Internet updated with PDF image of updated county and city maps
 - Provide a paper print of all county and city maps produced by the Mapping and Graphics Section, for distribution by Map Sales Section
 - Maps and Displays as needed.

404 – LEGISLATIVE REVIEW

State legislation from the 90th Arkansas General Session was monitored. The weekly legislative reports were prepared and distributed. At the federal level, Moving Ahead for Progress in the 21st Century (MAP-21) was monitored and analyzed for its impact to the Department. The status of the Highway Trust Fund was monitored for its impact to the Department.

405 – MODELING AND MANAGEMENT STUDIES

Accepted delivery of Phase II of the Arkansas Statewide Travel Demand Model. Prepared studies and assessments for proposed federal and state funded projects. Ongoing coordination of TransCAD simulation modeling software was facilitated by this office for both the NARTS and CARTS areas in cooperation and coordination with the MPO staffs. Assistance to the Frontier MPO was conducted as they continued work on a regional travel demand model. Work on the ARTDM was continued through the delivery of a 2040 model which includes a mode choice module. The Arkansas Statewide Model Users Group communicated with each other and received training from the ARTDM consultant team through training outlined in the project contract. Members of the Multimodal and Project Planning staff continued to monitor and participate in freight related discussions, presentations, and meetings in an effort to more closely align existing freight planning activities including the ITTS efforts and the ARTDM. Additional activities in FY 2015 include the evaluation of TREDIS and REMI software as well as the evaluation of the AirSage and HERE data sets.

406 – PERFORMANCE MEASURES

Work continued on identification and monitoring of performance measures, including researching Performance Measure reporting tools used by other state transportation agencies. The Decision Lens project prioritization tool was utilized to rank proposed projects for the 2016-2019 STIP based on a variety of performance criteria. Additional activities included crafting a scope of work to integrate the work from Decision Lens into the Statewide Long Range Intermodal Transportation Planning Process.

408 – FINANCE

Monitored gasoline and diesel tax rate changes and price fluctuations. Various annual, quarterly, and monthly statistical reports reflecting highway user revenues were prepared. Fiscal data on taxation for local governments was evaluated. Monitored trends, prices, construction costs, and other economic indicators in Arkansas and analyzed their impact on residents, road use, and highway funds. Data for submittal as a part of the annual statistical reports was gathered, prepared, and submitted to FHWA prior to the deadline for use in the annual Highway Statistics Report.

409 – PUBLICATIONS

Prepared and distributed the table of motor vehicle registrations and fees by county. The 2012 Selected Facts and Figures report was developed. The

Department's Biennial Report was prepared. The 2014 Fact Sheet of Information on Arkansas' Transportation System was published.

The Department coordinated responses to questionnaires and surveys requesting specific information regarding the Department's activities. Prepared and distributed the Motor Vehicle Registration and Fee table. Fiscal Year 2015 monthly turnback estimates for Arkansas counties and cities were prepared and distributed.

410 – HIGHWAY SYSTEM PLANNING STUDIES

Activities were conducted on several planning studies in various areas of the state and information was provided to assist decision-makers. Various studies analyzed route and corridor feasibility in order to maintain the highest quality highway system and to provide the best service for the safe and efficient movement of people and goods within and through the State.

The status of the studies and reports during F.Y. 2015 is provided below.

Studies Completed in 2015

- Highway 190 Improvements Study (Pine Bluff)
- I-40/Highway 59 Interchange Modification Study (Van Buren)
- Highway 108 Study (Foreman)
- Harrison Bypass Study (Highway 65)
- Highway 112 Corridor Study in Northwest Arkansas
- Highway 139 Improvement Study - Highway 18 to Missouri State Line (Monette)
- Highway 18 Railroad Overpass Study (Jonesboro)
- Highway 49, Highway 351 and Highway 91 Feasibility Study (Jonesboro)
- Memo Study: Highway 23 Passing Lanes Study (Madison & Carroll Counties)
- Memo Study: Highway 165 (I-440 – East) (North Little Rock)
- Memo Study: I-430 and Rodney Parham Interchange (Little Rock)
- Memo Study: Highway 49 Improvement Study (Paragould to Marmaduke)
- Purpose and Need: Highway 270 from Highway 227 to the Ouachita River Bridge
- Purpose and Need: Highway 70 Arkansas River Bridge
- Purpose and Need: Highway 70 Widening (Hot Springs to I-30)
- Purpose and Need: Newton Co. Line-South (Passing Lanes) (Hwy. 7)
- Purpose and Need: Highway 25 (Job 080397) (Conway)
- Purpose and Need: Highway 7 Widening (Highway 290 to Ouachita River Bridge)

- Interchange Justification Report: I-40 and Highway 25 (Job 080397)
- Road User Cost Analyses: Jobs 040642, CA0907, 090330, 060395, BB0405, BB0611, 080484, 061303, 020535, 050230, 080391, BB0112, BB0113, BB0114, BB0115, BB0116, BB0201, 040582, 012238, 050214, 080396, BB0610, 061437, 061333, 061348

Studies in Progress

- I-55/Highway 64 Interchange Study (Marion)
- I-40 Interchange Feasibility Study (Van Buren)
- Beebe Railroad Overpass Feasibility Study (Highway 31)
- Clarksville Congestion and Access Improvement Study
- Highway 16 (Highway 265 to Elkins) Study (Washington County)
- Highway 79 Relocation Study (Marianna)
- Highway 65 Railroad Overpass Study (McGehee)
- Highway 65/Highway 25 Improvement Study (Greenbrier)
- Study of Access Improvements to Highways 32 and 71 (Ashdown)
- Highway 67 Corridor Study (Jacksonville to Cabot)
- I-40 Corridor Study (Conway to North Little Rock)
- Purpose and Need: Highway 82B/167B (El Dorado)
- Highway 278 Washington Bypass Study (Hempstead County)
- I-630 Study (University Avenue to I-30)
- Highway 64 Study (I-40 – East) (Conway)
- Highway 90 (Park Street to Country Club Road) Improvement Study (Pocahontas)
- Highway 67 Corridor Study (Walnut Ridge to Missouri State Line)
- Highway 82 Corridor Study (Texarkana to Lake Village)
- Highway 5 (Benton – Pulaski Co. Line) Widening Study
- Highway 7 Improvement Study (Hot Springs to Highway 5)
- Memo Study: Highway 21 Passing Lanes and Highway 221 Extension Study (Madison & Carroll Counties)
- Purpose and Need: UPRR Overpass and Realignment (Mayflower) (Hwy. 89)
- Highway 321 Access Management Plan (Cabot)
- I-30 Corridor Study (Phase 2) Summary and Update
- I-40/I-55/Highway 77 Interchange
- Purpose and Need: Mulberry River Bridge and Approaches (Hwy. 23)

Consultant Studies Completed

AHTD staff reviewed and coordinated activities on the following consultant studies that were completed in F.Y. 2015:

- I-430 and Highway 10 (061331) Interchange Justification Report
- CAP Traffic Forecasting Reports: Jobs CA0601, CA0602, CA0604, CA0605, CA0607, CA0608, CA0703, CA0704, CA0705, CA0201
- Interchange Justification Report: I-49 and Highway 72 (Job CA0902) (Bentonville)
- Interchange Justification Report: I-630 (Job CA0608) (Little Rock)
- Interchange Justification Report: I-49 and Highway 71B (Job BB0903) (Rogers)
- Interchange Justification Report: I-40 and Highway 64 (Conway)
- Interchange Justification Report: I-49 and Highway 62 (Job BB0410) (Fayetteville)
- Interchange Justification Report: I-49 and Highway 16 (Job BB0411) (Fayetteville)
- Interchange Justification Report: North Cabot Interchange (Job 061102)
- Interchange Justification Report: I-430 and Highway 10 (Job 061331) (Little Rock)

Consultant Studies in Progress

AHTD staff reviewed and coordinated activities on the following consultant studies that are in progress:

- Interchange Justification Report: I-40 Interchange (Maumelle)
- Northwest Arkansas Regional Airport Access Road Environmental Impact Study
- Job CA0602 PEL Study and Interchange Justification Report (I-30)
- Job CA0604 Interchange Justification Report (Highway 67)
- Job CA0601 Interchange Justification Report (I-30)
- Highway 71 Study (Bella Vista)
- I-30 Corridor Study (Benton to Little Rock)
- Russellville Traffic Study

412 – AIR QUALITY ACTIVITIES

Provided Congestion Mitigation/Air Quality (CMAQ) funds to support air quality planning efforts by the Metropolitan Planning Organizations (MPOs) in central Arkansas and Crittenden County. Specific activities in central Arkansas include

coordination with Metroplan for the Ozone Action Day Program, implementation of the Ozone Action Day program within the Department, and participation in the Central Arkansas Clean Air Task Force. In Crittenden County, air quality planning activities include the gathering, analysis, and preparation of local and statewide data used for sensitivity testing of emission modeling. Coordinated data compilation with ADEQ throughout the State Implementation Plan development process.

413 - CITIES OVER 50,000 POPULATION

The Metropolitan Planning Process (23USC134(c)(3)) was coordinated in all urbanized areas and the necessary activities were carried out for each area as explained below and in each MPO Unified Planning Work Program (UPWP). UPWPs, various funding agreements, Performance and Expenditure Reports, and the Annual Listing of Obligated Projects were developed for each Metropolitan Area. Each of the MPOs considered changes in the functional classifications of roadways and in the National Highway System. The Metropolitan Planning Office developed a MPO Manual and worked with the MPOs to begin the development of performance measures in order to establish a performance based planning process. Progress reports and planning claims were reviewed and approved. Highlights of some of the activities conducted at the MPOs are as follows:

Metroplan -

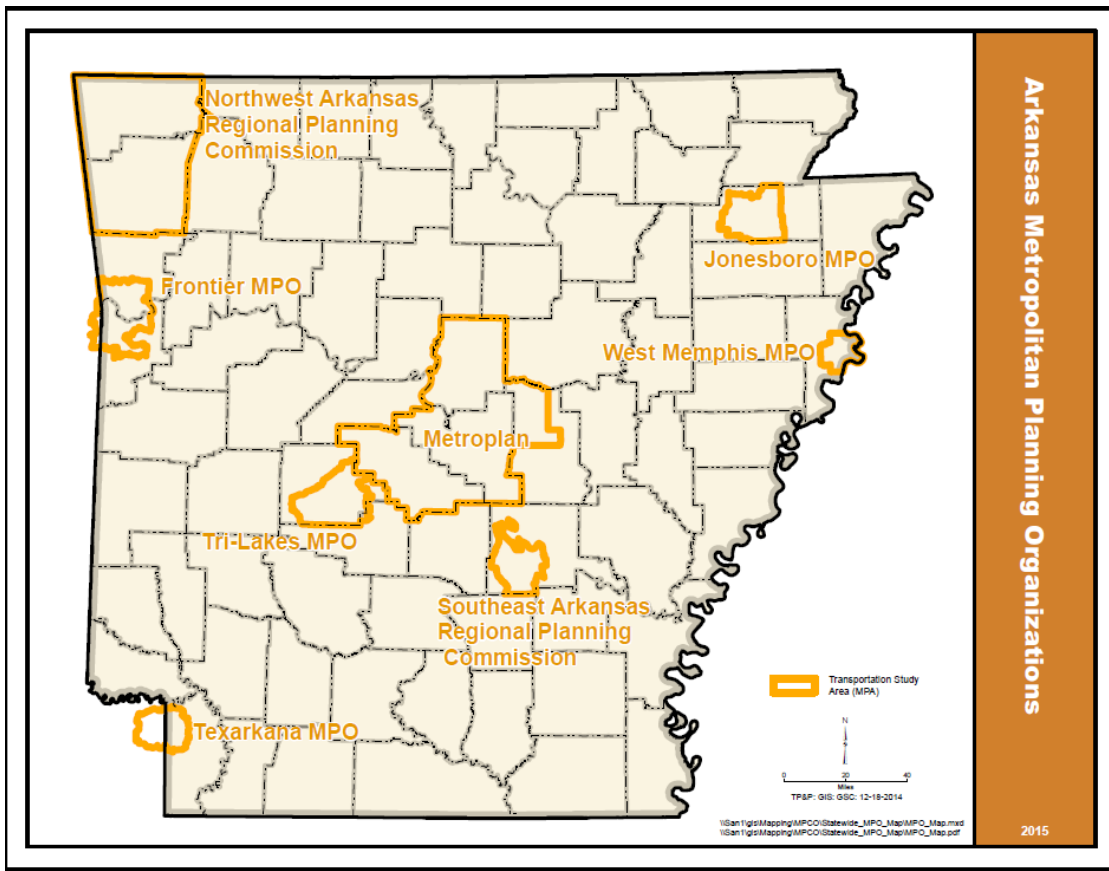
- Adopted the 2040 Metropolitan Transportation Plan in December 2014.
- Participated in the Arkansas Model Users Group.
- Metroplan staff worked cooperatively with local governments and the AHTD to provide traffic forecasts for major corridor studies such as Interstates 30 and 40, Highway 67, and other routes as necessary.
- The Ozone Action Day program was continued.
- Monitoring continued of air quality issues and their impact on the region. Ozone readings have exceeded levels allowable under the 2008 National Ambient Air Quality Standards.
- Tracked and coordinated project design and cost items.

Frontier Metropolitan Planning Organization –

- Completed Van Buren Transit Service Expansion Study.
- Initiated development of Wayfinding Plan.
- Initiated development of 2040 MTP including developing goals and objectives, conducting first round of public involvement meetings, updating demographics and regional maps, and drafting active transportation component and transit sections.

Arkansas Metropolitan Planning Organizations

Transportation Study Name	Policy Board
Northwest Arkansas Regional Transportation Study (NARTS)	Northwest Arkansas Regional Planning Commission/Policy Committee
Frontier Metropolitan Planning Organization (FMPO)	Frontier MPO Policy Board
Hot Springs Area Transportation Study (HSATS)	Tri-Lakes MPO Policy Board
Jonesboro Area Transportation Study (JATS)	Jonesboro MPO Policy Board
Central Arkansas Regional Transportation Study (CARTS)	Metroplan Board of Directors
Southeast Arkansas Regional Planning Commission	Pine Bluff MPO Policy Committee
Texarkana Urban Transportation Study (TUTS)	Texarkana MPO Policy Committee
West Memphis – Marion Area Transportation Study (WMATS)	West Memphis MPO Policy Committee



Tri-Lakes Metropolitan Planning Organization –

- Continued collecting traffic count, crash, tourism and visitors data.
- Continued creation of a regional database for crash data.
- Provided technical support to Intracity Transit.
- Hired a consultant to develop the 2040 MTP and completed a draft document with adoption anticipated by September 2015.
- Updated Title VI Plan.

Jonesboro Metropolitan Planning Organization –

- Hired new Study Director and staff.
- Conducted a community values survey.
- Created a Citizen Advisory Committee.
- Continued working on and collecting data for 2040 MTP with adoption anticipated by February 2016.
- Conducted two bike/pedestrian studies.
- Updated website and created Facebook and Twitter pages for Jonesboro MPO.

Northwest Arkansas Regional Planning Commission –

- Continued to work on the 2020, 2030 and 2040 travel demand forecast models and participated in the Arkansas Model Users Group.
- Completed development of a Congestion Management Process.
- Coordinated with AHTD, U.S. Fish and Wildlife and other environmental agencies on the Cave Springs Area Karst Resource Conservation Study.
- Coordinated with FHWA and AHTD to complete the Northwest Arkansas Razorback Regional Greenway Trail project.
- Completed Alternatives Analysis Study.
- Accepted Regional Bicycle and Pedestrian Plan and shared vision with local jurisdictions.
- Initiated development of 2040 MTP with adoption anticipated by April 2016.
- Tracked and coordinated project design and cost items.

Southeast Arkansas Regional Planning Commission –

- The focus of efforts was the completion of a draft of the 2040 MTP with adoption anticipated by September 2015.
- Coordinated with Pine Bluff Transit to provide transit planning and public participation for transit activities.

Texarkana Metropolitan Planning Organization –

- Adopted the 2040 MTP in September 2014.
- Collected traffic count data, social and economic data and other pertinent data.

- Updated the Title VI Plan, the MPO Website, the Public Participation Plan and the travel demand model.

West Memphis Metropolitan Planning Organization –

- Continued to monitor crash data, land use and other characteristics with data being entered into the GIS system and specialized reports produced upon request.
- Continued to monitor air quality issues and held interagency meetings with MPO, ADEQ and AHTD staff.
- Continued data collection for pavement and congestion management systems.
- Provided input to TDOT on the proposed temporary closing of the I-55 Mississippi River Bridge.
- Continued to assist in the planning and development of the Harahan Bridge project.
- Participated in efforts to continue transit service in West Memphis.

415 - REFERENCE LIBRARY

Purchased, collected and filed relevant transportation data, reports, and notices. Geographic Information System activities were continued for the on-line library. The Arkansas Statutes and Acts books were updated. Reviewed professional articles on transportation issues and prepared reports as necessary.

416 – STATEWIDE PLAN

Reviewed other statewide transportation plan documents from other states. Developed the Scope of Work for the on-call planning contract. Reviewed the Letters of Interest and Proposals submitted for the on-call planning services. Coordinated the work of the consultant team selected for the Statewide Long Range Intermodal Transportation Plan (LRITP) and the team selected for the State Freight Plan (SFP). Coordinated a series of Kick-off meetings with the LRITP team and AHTD Leadership, Divisions and Districts, One on One Expert Interviews, Stakeholder Interviews and follow up phone conferences. Drafted a SHRP2 application for PlanWorks to coordinate with the LRITP activities.

420 – INTERMODAL TRANSPORTATION PLANNING

Technical assistance was provided to regional intermodal freight facility authorities, MPOs, and State agencies. Activities included assistance with Federal Railroad Administration construction projects such as the construction of

a bulk handling site and rail spur in Wilmar and rail reconstruction projects in Dumas and El Dorado.

426 – TRAVEL, TRAINING AND SEMINARS

Out-of-state trips were taken to attend transportation related meetings and seminars to acquire training, to update knowledge and techniques, and to network with others involved in planning and financing transportation programs and systems. Out-of-state trips and their purposes are listed below.

Washington, DC – TRB 94th Annual Meeting (x2)

Birmingham, AL – Roadway Departure Peer Exchange (x2)

Huntsville, AL – Intergraph 2015 Transportation Summit

Washington, DC – FHWA All Public Roads Expert Panel Workshop

St. Louis, MO – Traffic Record/Highway Information Systems Forum

Biloxi, MS – ITTS Freight in the Southeast Conference (x2)

Orlando, FL – 15th Annual North American PTV Vision Traffic User Group Meeting

Atlanta, GA – ITTS Summer Meeting

Salt Lake City, UT – TRB Alternative Intersections & Interchanges Symposium

Washington, DC – 2014 Highway Information Seminar (x2)

Washington, DC – AASHTO Public Health & Transportation Peer Exchange

430 – RAILROAD CROSSING COORDINATION

From July 1, 2014 through March 1, 2015, sixty active grade crossing improvement projects were monitored. Twenty-eight Diagnostic Team Meetings were held to discuss potential improvements. The Arkansas Highway Commission and FHWA approved 21 individual grade crossing improvements. Five Overpass Agreement was signed and drafts of two were transmitted to railroads. Train Manager software was modified to increase usability. Initial meetings were held with Union Pacific Railroad for a SHRP 2 effort to streamline the coordination process with the Railroad. Multi-crossing corridor improvement projects in Ashdown, Kensett, and Jonesboro were monitored. Monitored 45 construction jobs and ensured coordination with the railroad companies.

431 – TRAFFIC CRASH LOCATION

The crash locators reviewed 58,589 traffic crashes that occurred in the State in 2012. Of these, 36,679 crashes occurred on the State Highway System. The VISUAL-T tool is being used to locate crashes. Traffic Safety is also coordinating with the Department of Finance and Administration, the Arkansas State Police,

and other crash data stakeholders to implement an electronic crash reporting and database system (eCrash).

432 – TRAFFIC CRASH RECORD ANALYSIS

The Traffic Safety Section is the lead agency in the development of the State's SHSP. The goal of the SHSP is to identify traffic safety emphasis areas and recommend priority strategies to reduce fatalities and serious injuries. The latest SHSP was adopted by the Arkansas State Highway Commission in February 2013.

Crash analyses for various studies in FFY 2014 were completed. Studies of high crash locations at 52 locations were completed and forwarded to Maintenance for their review. The Roadway Departure Safety Implementation Plan was completed in coordination with FHWA and their consultant. Further crash analysis and projects were initiated from the Roadway Departure Plan. A Cable Median Barrier Policy, including a comprehensive statewide median crossover crash analysis on all divided median highways, was completed. Safety projects were initiated from this Policy. Approximately 20 crash analyses were completed for various reasons at the request of others. Review of approximately ten studies conducted by MPP were completed. In accordance with Minute Order 2009-035, an annual study on wrong-way crashes on Interstates and other Freeways was prepared. An annual report on HSIP was prepared and submitted to FHWA. Numerous traffic safety training workshops, both in-person and online, were conducted. A new computer program (Crash Manager) was created to facilitate identification of high crash rate locations, and also to calculate custom statewide average crash rates. Traffic Safety took the lead as AHTD participated in the NCHRP 8-76 research effort. Traffic Safety helped Research identify locations and treatments to use on TRC 1303 and 1305 research projects.

SYSTEM INFORMATION AND RESEARCH FEDERAL-AID STATE PLANNING AND RESEARCH (SPR) FUNDS

468 - ADMINISTRATION

Administrative guidance and controls were accomplished in accordance with the goals and objectives set forth for the Division. The necessary purchasing, storing, and distribution of supplies continued. An accurate inventory was maintained for the Division.

469 – TRAVEL, TRAINING AND SEMINARS

In and out-of-state trips were taken this year to attend transportation related meetings and seminars to acquire training, to update knowledge and techniques, and to network with others involved in traffic information and asset management related programs.

470 – PERFORMANCE MEASURES

Work continued on identification and monitoring of performance measures, including researching Performance Measure reporting tools used by other state transportation agencies. Activities continued on the development of a reporting tool through the review of both the content and the context of the tool.

480 – PAVEMENT MANAGEMENT SYSTEM

Data from the National Highway System (NHS) and Secondary Systems was processed and reported. The most current International Roughness Index (IRI) data on the state maintained highway network was supplied to the Highway Performance Monitoring System (HPMS). Rutting, cracking, faulting and geometric data was provided to the HPMS where available. The data from all routes collected with the Automatic Road Analyzer (ARAN) has been entered into a PMS database and images have been loaded into the Multimedia Highway Information System (MMHIS). All existing data files have been processed to conform to the Roadway Inventory System using geographic coordinates provided by the Surveyor asset inventory software.

481 – MULTIMEDIA HIGHWAY INFORMATION SYSTEM (MMHIS)

Work included the continued efforts to provide MMHIS users with high definition imagery and data as collected by the Department's ARAN data collection vehicle. Hard drives for the Department's outlying Districts were updated and distributed

as new data and imagery became available. Also included were the research and development of an offline-mapping tool, the continued enhancement of the software on the Pavement Performance Data Collection Vehicle (PPDCV), and the development of the highway-system change database.

482 – ROADWAY ASSET INVENTORY

A comprehensive Surveyor training program was initiated for Asset Management staff. Research and development is being performed with the possibility of utilizing Surveyor software to augment and complement Roadway Inventory data. Surveyor was used to locate and classify all of the guardrail elements on the state maintained system. The development of a sign inventory database has also begun. A sign inventory template has been developed in Surveyor to allow Asset Management personnel to locate signs and classify them according to the guidelines of the *“Manual on Uniform Traffic Control Devices”* (MUTCD). There is currently a pilot project underway to evaluate the cost benefit of the data collection process.

483 – ASSET MANAGEMENT SYSTEM

Under the support contract with Deighton Associates Limited, the dTIMS Asset Management software was upgraded and Deighton completed and delivered a system-wide analysis of historical data.

484 – ASSET MANAGEMENT DATA COLLECTION VEHICLE

The Pavement PPDCV was utilized to collect the Fayetteville Shale routes, ramps on divided highways, and special projects. The PPDCV was not upgraded with a 3-D pavement imaging system as was anticipated in F.Y. 2014. The Section is evaluating the possible acquisition of a multi-point rut measurement system.

490 – FIELD OPERATIONS

Falling Weight Deflectometer (FWD) data was collected as needed on roughly 1,400 centerline miles of pavements. Data was collected on bond jobs, Connecting Arkansas Program (CAP) jobs, state aid jobs, weight restricted routes, active poultry industry routes, Fayetteville Shale routes, and research projects. One of the FWDs was sent to the manufacturer’s headquarters in Florida in order to be calibrated and serviced. The Section also received training on both the operation of the FWD and the ELMOD software which analyzes the data produced by the FWD.

The Pavement Friction Tester (PFT) collected data and provided Skid Number (SN) data for pavement surfaces around the state. Ground-Penetrating Radar (GPR) data was collected as needed for data to supplement pavement engineering analysis. The GPR system has been configured for a single person operation with an emphasis on safety and efficiency. A high definition camera has been mounted to the windshield for visual reference. The antennas' cables were modified for weather proofing purposes. The distance measuring instrument (DMI) and global positioning system (GPS) have been permanently mounted.

The ARAN collected approximately 10,600 miles of pavement performance data and imagery. Data collected includes the Interstate System, the Fayetteville Shale routes, and the majority of Districts 1, 2, 6, 8 and 10. A database of all historical ARAN data was prototyped and finalized which aligned the historical data to the linear referencing system, the roadway inventory, as well as traffic data. This has been used to great effect in several analysis projects throughout the year. This data is also being used to detect major changes from year to year as a method of quality control. Several other quality control measures have been put in place such as FWD and Friction Tester data checks, crack detection spot checks, and outlier-examination for most data collected.

491 – DATA ANALYSIS

The ongoing functional classification updates and NHS changes were evaluated and submitted to FHWA; U.S. Route applications were submitted to AASHTO; and Arkansas Primary Highway Network (APHN) analyses were performed.

492 – PAVEMENT PERFORMANCE DATA COLLECTION

This activity was carried under Job 417 for the first part of F.Y. 2015. The data from the ARAN was evaluated to determine pavement conditions and was reported for the Preventive Maintenance Program (PMP) and for the HPMS. The data from the FWD was used to perform analyses of overweight loading on restricted routes for the Highway Police's Permit Section as well as the analysis of the Fayetteville Shale Maintenance Assessment and Fee Calculation for 2015. The data was also provided to Roadway Design to aid in their decision making process. The GPR vehicle provided sub-surface properties when needed to supplement layer data and void detection for FWD analysis. The PFT collected skid numbers for pavements as requested. Skid numbers were reported to the Traffic Safety Section and the Maintenance Division when requested. District maps of skid numbers recorded were disseminated to all of the districts.

493 – HIGHWAY PERFORMANCE MONITORING SYSTEM (HPMS)

A complete review of sample adequacy was performed and the required number of samples were added or deleted according to the Sample Adequacy Plan which was developed from the HPMS Sample Adequacy Report. Field reviews of sample sections were continued and locations for additional class stations were selected to reflect the additional samples identified by the Sample Adequacy Plan. The 2014 HPMS data submittal and following report was analyzed and a comprehensive plan is being implemented to address identified issues.

494 - AUTOMATED TRAFFIC DATA COLLECTION

All automatic data collection sites were maintained and repaired as needed to stay operational. The Traffic Information Systems Recorder Shop maintained all records of repairs to all data collection devices as well as kept all portable equipment in working condition and maintained supplies for the installation of permanent automated data collection sites. A plan for the Automatic Data Collection System was developed as a guide for future installations. This plan focuses on weight data needs for Pavement ME and additional volume and classification data needs for development of axle and seasonal factors. One new AVC site was installed. Four existing sites were reinstalled due to construction or site relocation. All sites, except the smart sensor sites, have been upgraded to IP-addressable modems.

495 – HIGHWAY CONDITION INVENTORY AND ANALYSIS

Activities included updating and maintaining roadway inventory data and the job record database. Utilization of GIS in quality control and analysis was implemented, as well as utilization of aerial photography for collecting physical roadway inventory assets. Public road mileage calculations and updates were performed utilizing GIS and mapping based technologies. A special data collection program was implemented to aid in refinement of the shoulder width and surface data for safety-related issues.

496 - CONTRACT TURNING MOVEMENT COUNTS

123 turning movement counts were completed during the fiscal year.

497 - CONTRACT COLLECTION OF TRAFFIC VOLUME COUNTS

10,809 traffic volume counts were collected.

498 - CONTRACT COLLECTION OF VEHICLE CLASSIFICATION COUNTS

465 vehicle classification counts and 33 video classification counts were collected.

499 – TRAFFIC DATA COLLECTION – TRAFFIC COUNTS

Classification counts were collected at 2,347 stations statewide by AHTD data collection personnel. Speed data was collected at all classification sites. Special counts, including holiday counts, were also conducted.

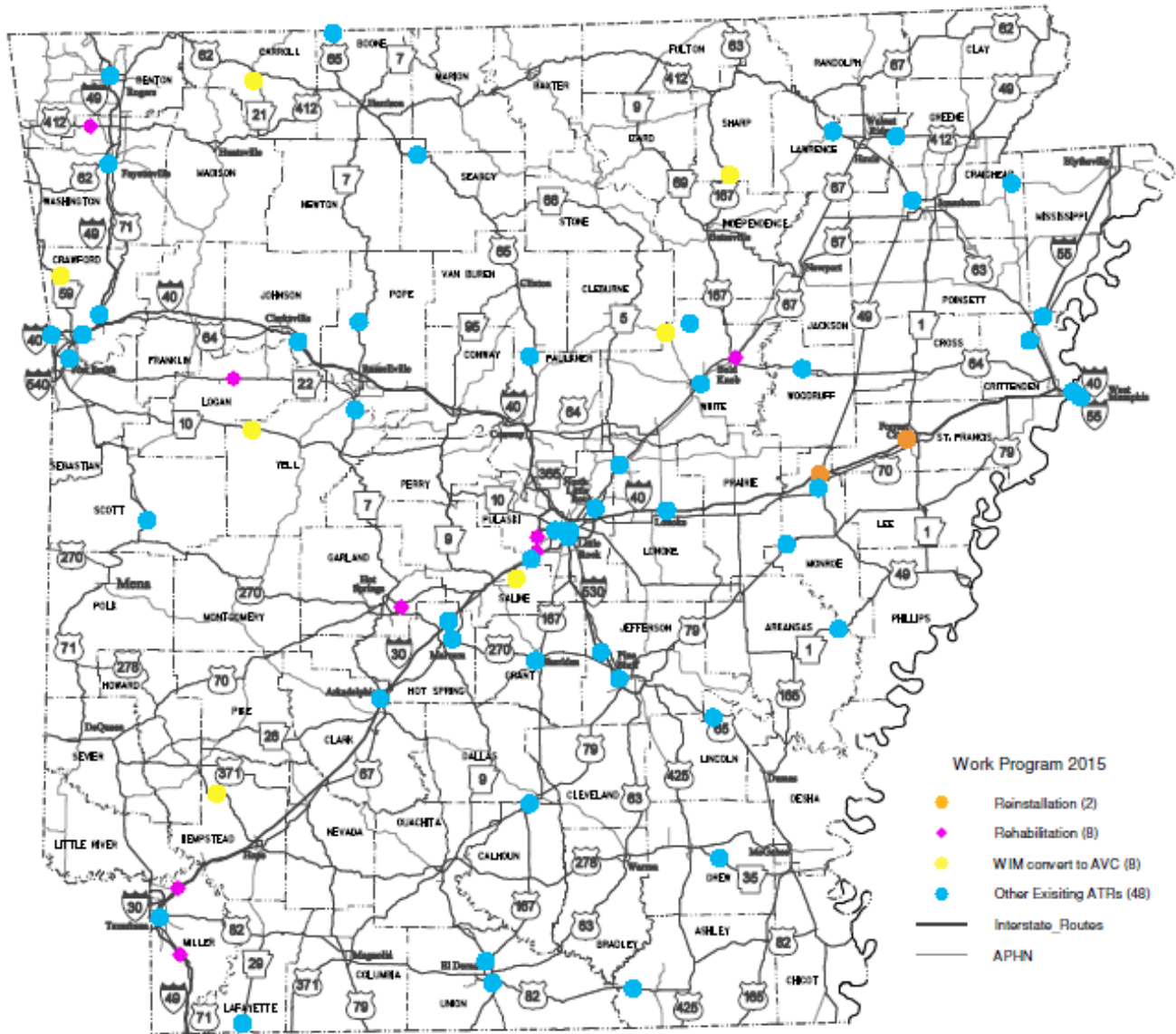
591 – RURAL DATA ANALYSIS

No activities were performed under this job in State Fiscal Year 2015.

594 – RURAL AUTOMATED TRAFFIC DATA COLLECTION

No activities were performed under this job in State Fiscal Year 2015.

AUTOMATED TRAFFIC RECORDER MAP



**CONTINUOUS AUTOMATED TRAFFIC MONITORING STATIONS
(VOLUME COUNT, VEHICLE CLASSIFICATION and WEIGH-IN-MOTION)
RURAL**

Station	Route	Sec.	Log Mile	Location	Lanes Est.	Year Wim	Year
<u>Functional Class 01</u>							
460006	I-30	11	8.00	C.R. C-63 Overpass (Texarkana)	4	1994	1994
301769	I-30	21	101.70	C.R. 74 Overpass (Glen Rose)	4	2006	2006
170049	I-40	11	0.25	Oklahoma State Line (Dora)	4	2008	2008
360009	I-40	21	63.19	West of U.S. 64 (Lamar)	4	2009	2009
430037	I-40	41	176.97	East S.H. 31 Interchange (Lonoke)	4	2002	2002
481524	I-40	43	215.25	West of U.S. 49 (Brinkley)	4	2004	2004
680025	I-40	51	238.70	C.R. F-10 Overpass (Forrest City)	4	1991	1991
170064	I-49	27	22.36	South of Newberry Rd (Alma)	4	2007	2007
181501	I-55	11	26.80	C.R. D-28 Overpass (Gilmore)	4	1996	1996
350019	I-530	05	29.20	C.R. A-4 Overpass (Samples)	4	1996	1996
<u>Functional Class 02</u>							
730068	US 67	13	10.40	At S.H. 258 Overpass (Bald Knob)	4	1991	1999
460011	US 549	01	20.37	1 Mile North County Rd. 4 (Fouke)	4	2005	2005
<u>Functional Class 03</u>							
010009	SH 1	05	12.50	NE of S.H. 17 (St. Charles)	2	1999	1999
750006	SH 7	13	11.20	South of S.H. 155 (Dardanelle)	2	2000	2000
160095	SH 18	04	25.34	East of S.H. 139 (Monette)	2	2014	2014
380020	SH 63	03	15.71	South of S.H. 63 (Black River)	2	2011	2011
050026	US 65	01	0.69	South Missouri State Line (Omaha)	4	2007	2007
641932	US 65	04	5.40	North of S.H. 235 (Pindall)	2	1979	1979
230001	US 65	09	6.56	South of S.H. 124 (Damascus)	4	2000	2000
400062	US 65	16	8.70	North of S.H. 114 (Grady)	2	2009	2009
630009	US 71	10	10.25	North of U.S. 270 (Needmore)	2	2009	2009
071813	US 79	05	8.20	North of U.S. 167 (Thornton)	4	1979	1995
020006	US 82	08	3.50	East Quachita R. Brd (W. Crossett)	2	1984	2003
700040	US 167	01	13.41	South of S.H. 82 (El Dorado)	4	2009	2009
281983	US 412	08	0.67	East of Cache R. Bridge (Light)	2	2002	2002
480086	US 79	13	6.19	West of White R. Bridge (Clarendon)	2	2015	
<u>Functional Class 04</u>							
580024	SH 7	15	15.90	North of S.H. 164 (Dover)	2	1987	
750010	SH 10	03	7.20	East of County Road 537 (Havana)	2	2003	2003
730018	SH 16	13	1.49	S.H. 16 Sec. 13 (Pangburn)	2	2011	2011
420010	SH 22	03	14.00	East of S.H. 9008 (Paris)	2	2001	2001
370001	SH 29	01	3.30	No. Louisiana State Line (Bradley)	2	1995	1995
220024	SH 35	08	5.80	Southeast of U.S. 278 (Monticello)	2	1979	2003
171651	SH 59	05	10.00	North Natural Dam (Natural Dam)	2	2000	2000
740035	US 64	13	5.94	West of S.H. 17 (Patterson)	2	2002	2003
290002	US 278	05	7.30	South of S.H. 332 (Ozan)	2	1983	1998
<u>Functional Class 05</u>							
080004	SH 21	05	15.70	South of U.S. 62 (Berryville)	2	1987	2000
270012	SH 46	02	17.80	South of U.S. 270 (Sheridan)	2	1983	2005
670027	SH 115	03	13.80	East of U.S. 167 (Cave City)	2	1983	1996
730076	SH 124	12	8.95	S.H. 124 Sec. 12 (Sunnydale)	2	2011	2011
480037	US 70	17	9.90	East of S.H. 17 (Brinkley)	2	1999	1999

**CONTINUOUS AUTOMATED TRAFFIC MONITORING STATIONS
(VOLUME COUNT, VEHICLE CLASSIFICATION and WEIGH-IN-MOTION)
URBAN**

Station	Route	Sec.	Log Mile	Location	Lanes Est.	Year Wim	Year
<u>Functional Class 01</u>							
100019	I-30	14	77.10	Caddo River Bridge (Arkadelphia)	4	1998	1998
600563	I-30	23	126.50	West of Motel (County Line)	6	2006	
600388	I-30	23	138.80	Roosevelt Rd. & I-440 (LR)	7	1997	
600639	I-30	23	139.60	Between 6 th & 9 th St. (LR)	7	1997	
180209	I-40	52	283.97	River Bridge (West Memphis)	6	2007	
720236	I-49	28	61.30	South U.S. 62 (Fayetteville)	4	2007	2007
040432	I-49	29	84.82	North of U.S. 71B (Rogers)	4	2004	2004
180210	I-55	11	0.95	River Bridge (West Memphis)	4	2008	
600345	I-430	21	4.25	Col. Glenn Rd. W. 36 th ST. (LR)	6	2006	2006
350314	I-530	05	37.00	North of S.H. 190 (Pine Bluff)	4	2000	2000
650284	I-540	01	7.00	North of S.H. 22 (Fort Smith)	4	2004	2004
600426	I-630	21	2.00	Park Street Overpass (LR)	6	1985	
600429	I-630	21	3.40	Ray Winder Field LTPP (LR)	6	2005	
<u>Functional Class 02</u>							
600870	SH 440	02	12.00	South of S.H. 161 (Rixey)	6	2003	2003
160058	US 63	06	10.00	South of S.H. 91 (Jonesboro)	4	1990	1990
430038	US 67	11	1.30	South of S.H. 89 (Cabot)	4	1991	1995
260059	US 70	09	1.50	North. of U.S. 270 (Hot Springs)	4	2005	2005
460286	US 549	01	31.9	South of U.S. 82 (Texarkana)	4	2002	2002
<u>Functional Class 03</u>							
300052	US 270	08	3.60	South of I-30 (Malvern)	2	2006	2006
600567	SH 338	01	0.66	East S.H. 5 I-430 Overpass (LR)	2	1997	1997
700229	US 167	01B	3.38	North of S.H. 7 Spur (Eldorado)	2	1987	
720034	US 412	02	4.20	West of S.H. 112 (Tontitown)	4	2003	2003
<u>Functional Class 04</u>							
620176	SH 183	01	6.06	S.H. 183 Sec. 010 (Bryant)	2	2010	2010
170053	SH 64	02	3.14	US 064 S.H. 282 & S.H. 60 (Van Buren)	4	2010	2010
<u>Functional Class 05</u>							
730222	SH 367	16	3.30	S.H. 367 Sec. 160 Park Ave. (Searcy)	2	2010	2010

STUDIES FUNDED THROUGH OTHER FEDERAL PROGRAMS

Projects in this section are funded using various Federal funds from programs other than SPR. Oversight is provided within the Transportation Planning and Policy Division. Matching funds may be provided by a local source such as a city, county, trail sponsor, or an MPO. Accomplishments listed below are for informational purposes and provide examples of the additional planning activities that occurred during Fiscal Year 2015.

012199 – STATEWIDE TRAVEL DEMAND MODEL, PHASE II

Several draft final documents were submitted for Phase II of the ARTDM. Final delivery of the ARTDM II was accepted. Several Department staff and partner organization staff were trained on the appropriate use of the ARTDM.

012182– STATE RAIL PLAN UPDATE

Managed activities of the consultant team including stakeholder meetings and meetings with other state agencies, and local officials meetings. Reviewed drafts of public involvement materials including website content, invitation letters, news releases, and presentation materials. Coordinated document development with the High-Speed Passenger Rail Study. Reviewed final draft of the Plan Update.

012194 - STATE BICYCLE AND PEDESTRIAN TRANSPORTATION PLAN UPDATE

Under the direction of the Governor's Bicycle Advisory Group (GBAG), Department staff provided oversight of the consultant team activities, including working with the Technical Advisory Committee, participating in the public involvement and stakeholder interviews. Staff also provided review of interim deliverables and the draft State Bicycle and Pedestrian Plan.

A803, B803 – HIGH-SPEED/INTERCITY PASSENGER RAIL STUDY

FRA Task 1 was completed which allowed for the consultant team to address subsequent tasks. Staff coordinated public involvement and stakeholder involvement with the State Rail Plan. A draft Alternatives Analysis, and a draft Selection Criteria were submitted to FRA for their review and comment. The Purpose and Need Statement was submitted to and approved by FRA. Reviewed draft mapping images to identify the potential routes in the study document. Provided detailed crossing information to the consultant team.

012181 – I-40 TOLL FEASIBILITY STUDY (NLR – WEST MEMPHIS)

Jacobs Engineering Group conducted preliminary workshops with Department staff and data collection activities began. Draft sections of the final report were completed. A draft report was submitted to the Department. Steps to advance the project were identified and presented to the Department administration. All work for this project has been completed.

061386 – HIGHWAY 67 – I-40 WEST (NORTH BELT FREEWAY TOLL FEASIBILITY STUDY)

Activities included publishing the final document and Executive Summary. All work for this project has been completed.

090224 – BELLA VISTA TOLL FACILITY (HIGHWAY 71 RELOCATION)

Activities included publishing the final document and Executive Summary. All work for this project has been completed.

STP ATTRIBUTABLE FUNDING

012152 CARTS 2040 LONG-RANGE TRANSPORTATION PLAN

Completion of the contract and adoption of Imagine Central Arkansas by the Metroplan Board.

012193 – NARTS PLANNING STUDY (STP ATTRIBUTABLE)

STP-Attributable funds were used to supplement the available Federal transportation planning funds in order to complete the tasks identified in the NARTS Fiscal Year 2015 Work Program.

060630 - CARTS PLANNING STUDY (STP ATTRIBUTABLE)

STP-Attributable funds were used to supplement the available Federal transportation planning funds in order to complete the tasks identified in the CARTS Fiscal Year 2015 Work Program.

110273 - WMATS PLANNING STUDY (STP ATTRIBUTABLE)

STP-Attributable funds were used to supplement the available Federal transportation planning funds in order to complete the tasks identified in the WMATS Fiscal Year 2015 Work Program.

CONGESTION MITIGATION AND AIR QUALITY (CMAQ) IMPROVEMENT FUNDING

110481 - WMATS AIR QUALITY – MPO

Coordination with ADEQ, EPA, and Memphis-Shelby County air quality planning groups continued. The 2033 Long-Range Plan and 2013-2016 TIP were monitored and amended with appropriate conformity determination documentation.

012178 – CARTS OZONE AWARENESS

The use of CMAQ funds in the CARTS area continues the cooperative effort among the MPO, the Department, ADEQ, and other agencies for a continued Awareness and Public Education campaign stressing voluntary actions to reduce seasonal emissions (ridesharing, refueling during the evening, etc.). Public relations, an advertising campaign, and notifications to local media and major employers of potential high ozone days were continued.

PLANNING BY METROPOLITAN PLANNING ORGANIZATIONS

Accomplishments and information concerning the FTA/FHWA consolidated funding will be provided in the reports for the following areas:

- Central Arkansas Regional Transportation Study (CARTS)
- Frontier Metropolitan Planning Organization (FMPO)
- Hot Springs Area Metropolitan Planning Organization (HSA - MPO)
- Jonesboro Area Transportation Study (JATS)
- Northwest Arkansas Regional Planning Commission (NWARPC)
- Pine Bluff Area Transportation Study (PBATS)
- Texarkana Urban Transportation Study (TUTS)
- West Memphis-Marion Area Transportation Study (WMATS)

SUMMARY TABLES
APPROVED BUDGET WITH REVISIONS
AND
FINAL PERFORMANCE AND EXPENDITURE REPORT

SPR 2000(35)
PART I – PLANNING

FISCAL YEAR 2015

**State Fiscal Year 2015 Part 1 - Planning
Approved Budget with Revisions**

Job No.	Title	Budgeted Amounts				Federal Participation Rate	Federal SPR	State Match	
		Work Program (As Approved)		Revisions					Revised Total
		1*	2*	1*	2*				
In-House Planning									
400	Administration	\$ 687,000				\$ 687,000	0%	\$ -	\$ 687,000
402	Mapping & Graphics	\$ 850,000	\$ 20,000			\$ 870,000	80%	\$ 696,000	\$ 174,000
404	Legislative Review	\$ 200,000		\$ 75,000		\$ 275,000	76%	\$ 209,000	\$ 66,000
405	Modeling and Management Studies	\$ 300,000	\$ (165,000)	\$ 10,000		\$ 145,000	80%	\$ 116,000	\$ 29,000
406	Performance Measures	\$ 30,000	\$ 20,000			\$ 50,000	80%	\$ 40,000	\$ 10,000
408	Finance	\$ 240,000	\$ (150,000)			\$ 90,000	50%	\$ 45,000	\$ 45,000
409	Publications	\$ 150,000	\$ (100,000)			\$ 50,000	80%	\$ 40,000	\$ 10,000
410	Special Planning Studies	\$ 300,000	\$ 100,000	\$ 30,000		\$ 430,000	80%	\$ 344,000	\$ 86,000
412	Air Quality Activities	\$ 90,000	\$ (80,000)			\$ 10,000	80%	\$ 8,000	\$ 2,000
413	Cities Over 50,000 Population	\$ 350,000	\$ 100,000			\$ 450,000	80%	\$ 360,000	\$ 90,000
415	Reference Library	\$ 16,000	\$ (10,000)			\$ 6,000	80%	\$ 4,800	\$ 1,200
416	Statewide Plan	\$ 100,000	\$ (50,000)	\$ (30,000)		\$ 20,000	80%	\$ 16,000	\$ 4,000
420	Intermodal Transportation Planning	\$ 250,000	\$ (10,000)	\$ (10,000)		\$ 240,000	80%	\$ 192,000	\$ 48,000
426	Travel, Training and Seminars	\$ 150,000	\$ (75,000)			\$ 75,000	67%	\$ 100,000	\$ 50,000
430	Railroad Crossing Coordination	\$ 10,000				\$ 10,000	80%	\$ 8,000	\$ 2,000
431	Traffic Crash Location	\$ 10,000				\$ 10,000	80%	\$ 8,000	\$ 2,000
432	Traffic Crash Record Analysis	\$ 20,000				\$ 20,000	80%	\$ 16,000	\$ 4,000
467	Research Section Projects	\$ -				\$ -	0%	\$ -	\$ -
468	Administration	\$ 400,000				\$ 400,000	0%	\$ -	\$ 400,000
469	Travel, Training and Seminars	\$ 125,000				\$ 125,000	80%	\$ 100,000	\$ 25,000
470	Performance Measures	\$ 30,000				\$ 30,000	80%	\$ 24,000	\$ 6,000
480	Pavement Management System	\$ 310,000				\$ 310,000	80%	\$ 248,000	\$ 62,000
481	Multimedia Highway Information System (MMHIS)	\$ 200,000				\$ 200,000	80%	\$ 160,000	\$ 40,000
482	Roadway Asset Inventory	\$ 180,000				\$ 180,000	80%	\$ 144,000	\$ 36,000
483	Asset Management System	\$ 288,000				\$ 288,000	50%	\$ 144,000	\$ 144,000
484	Asset Management Data Collection Vehicle	\$ 420,000				\$ 420,000	80%	\$ 336,000	\$ 84,000
490	Field Operations	\$ 800,000				\$ 800,000	80%	\$ 640,000	\$ 160,000
491	Data Analysis	\$ 520,000				\$ 520,000	80%	\$ 416,000	\$ 104,000
492	Pavement Performance Data Collection	\$ 400,000				\$ 400,000	80%	\$ 320,000	\$ 80,000
493	Highway Performance Monitoring System	\$ 150,000				\$ 150,000	80%	\$ 120,000	\$ 30,000
494	Automated Traffic Data Collection	\$ 600,000				\$ 600,000	80%	\$ 480,000	\$ 120,000
495	Highway Condition Inventory & Analysis	\$ 135,000				\$ 135,000	80%	\$ 108,000	\$ 27,000
496	Contract Turning Movement Counts	\$ 150,000				\$ 150,000	80%	\$ 120,000	\$ 30,000
497	Contract Collection of Traffic Volume Counts	\$ 575,000				\$ 575,000	60%	\$ 360,000	\$ 215,000
498	Contract Collection of Vehicle Classification Counts	\$ 250,000				\$ 250,000	80%	\$ 200,000	\$ 50,000
499	Traffic Data Collection - Traffic Counts	\$ 566,000				\$ 566,000	50%	\$ 283,000	\$ 283,000
591	Rural Data Analysis	\$ 200,000				\$ 200,000	0%	\$ -	\$ 200,000
594	Rural Automated Traffic Data Collection	\$ 360,000				\$ 360,000	0%	\$ -	\$ 360,000
	Total for In-House Planning	\$ 10,412,000	\$ (315,000)	\$ -		\$ 10,097,000		\$ 6,405,800	\$ 3,766,200

Totals - Part I Funds \$ 10,412,000 \$ (315,000) \$ - \$ 10,097,000 \$ 6,405,800 \$ 3,766,200

* Revisions 1 & 2 - Adjustments based on anticipated expenditures through the end of the fiscal year.

**Final Performance and Expenditure Report
 SPR 2000 (32)
 State Fiscal Year 2015 Part 1 - In-House Planning**

Job No.	Title	Federal Participation Rate	Work Program (Revised)			Actual Costs			Balance SPR Funds
			Federal SPR	State Match	Total	Federal SPR	State Match	Total	
In-House Planning									
400	Administration	0%	\$ -	\$ 687,000	\$ 687,000	\$ -	\$ 144,624	\$ 144,624	\$ -
402	Mapping & Graphics	80%	\$ 696,000	\$ 174,000	\$ 870,000	\$ -	\$ -	\$ -	\$ 696,000
404	Legislative Review	80%	\$ 209,000	\$ 66,000	\$ 275,000	\$ 171,250	\$ -	\$ -	\$ 37,750
405	Modeling and Management Studie	80%	\$ 116,000	\$ 29,000	\$ 145,000	\$ 80,194	\$ -	\$ -	\$ 35,806
406	Performance Measures	80%	\$ 40,000	\$ 10,000	\$ 50,000	\$ 27,468	\$ -	\$ -	\$ 12,532
408	Finance	50%	\$ 45,000	\$ 45,000	\$ 90,000	\$ 25,799	\$ -	\$ -	\$ 19,201
409	Publications	80%	\$ 40,000	\$ 10,000	\$ 50,000	\$ 34,374	\$ -	\$ -	\$ 5,626
410	Special Planning Studies	80%	\$ 344,000	\$ 86,000	\$ 430,000	\$ 294,196	\$ -	\$ -	\$ 49,804
412	Air Quality Activities	80%	\$ 8,000	\$ 2,000	\$ 10,000	\$ 5,775	\$ -	\$ -	\$ 2,225
413	Cities Over 50,000 Population	80%	\$ 360,000	\$ 90,000	\$ 450,000	\$ 292,608	\$ -	\$ -	\$ 67,392
415	Reference Library	80%	\$ 4,800	\$ 1,200	\$ 6,000	\$ 685	\$ -	\$ -	\$ 4,115
416	Statewide Plan	80%	\$ 16,000	\$ 4,000	\$ 20,000	\$ 3,503	\$ -	\$ -	\$ 12,497
420	Intermodal Transportation Plannin	80%	\$ 192,000	\$ 48,000	\$ 240,000	\$ 133,881	\$ -	\$ -	\$ 58,119
426	Travel, Training and Seminars	67%	\$ 100,000	\$ 50,000	\$ 75,000	\$ 29,980	\$ -	\$ -	\$ 70,020
430	Railroad Crossing Coordination	80%	\$ 8,000	\$ 2,000	\$ 10,000	\$ 1,887	\$ -	\$ -	\$ 6,113
431	Traffic Crash Location	80%	\$ 8,000	\$ 2,000	\$ 10,000	\$ 4	\$ -	\$ -	\$ 7,996
432	Traffic Crash Record Analysis	80%	\$ 16,000	\$ 4,000	\$ 20,000	\$ 4,594	\$ -	\$ -	\$ 11,406
467	Research Section Projects	0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
468	Administration	0%	\$ -	\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -
469	Travel, Training and Seminars	80%	\$ 100,000	\$ 25,000	\$ 125,000	\$ 21,384	\$ -	\$ -	\$ 78,616
470	Performance Measures	80%	\$ 24,000	\$ 6,000	\$ 30,000	\$ 295	\$ -	\$ -	\$ 23,705
480	Pavement Management System	80%	\$ 248,000	\$ 62,000	\$ 310,000	\$ 229,141	\$ -	\$ -	\$ 18,859
481	Multimedia Highway Information	80%	\$ 160,000	\$ 40,000	\$ 200,000	\$ 73,040	\$ -	\$ -	\$ 86,960
482	Roadway Asset Inventory	80%	\$ 144,000	\$ 36,000	\$ 180,000	\$ 6,681	\$ -	\$ -	\$ 137,319
483	Asset Management System	50%	\$ 144,000	\$ 144,000	\$ 288,000	\$ 50,279	\$ -	\$ -	\$ 93,721
484	Asset Management Data	80%	\$ 336,000	\$ 84,000	\$ 420,000	\$ -	\$ -	\$ -	\$ 336,000
490	Field Operations	80%	\$ 640,000	\$ 160,000	\$ 800,000	\$ 300,099	\$ -	\$ -	\$ 339,901
491	Data Analysis	80%	\$ 416,000	\$ 104,000	\$ 520,000	\$ 361,978	\$ -	\$ -	\$ 54,022
492	Pavement Performance Data	80%	\$ 320,000	\$ 80,000	\$ 400,000	\$ 91,496	\$ -	\$ -	\$ 228,504
493	Highway Performance Monitoring	80%	\$ 120,000	\$ 30,000	\$ 150,000	\$ 89,624	\$ -	\$ -	\$ 30,376
494	Automated Traffic Data Collection	80%	\$ 480,000	\$ 120,000	\$ 600,000	\$ 287,426	\$ -	\$ -	\$ 192,574
495	Highway Condition Inventory &	80%	\$ 108,000	\$ 27,000	\$ 135,000	\$ 30,103	\$ -	\$ -	\$ 77,897
496	Contract Turning Movement	80%	\$ 120,000	\$ 30,000	\$ 150,000	\$ 130,260	\$ -	\$ -	\$ (10,260)
497	Contract Collection of Traffic	60%	\$ 360,000	\$ 215,000	\$ 575,000	\$ 156,984	\$ -	\$ -	\$ 203,016
498	Contract Collection of Vehicle	80%	\$ 200,000	\$ 50,000	\$ 250,000	\$ 67,640	\$ -	\$ -	\$ 132,360
499	Traffic Data Collection - Traffic	50%	\$ 283,000	\$ 283,000	\$ 566,000	\$ 118,344	\$ -	\$ -	\$ 164,656
591	Rural Data Analysis	0%	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -
594	Rural Automated Traffic Data Collk	0%	\$ -	\$ 360,000	\$ 360,000	\$ -	\$ -	\$ -	\$ -
Total for In-House Planning			\$ 6,405,800	\$ 3,766,200	\$ 10,097,000	\$ 3,120,972	\$ 1,143,366	\$ 4,264,338	\$ 3,284,828