

ARKANSAS GEOGRAPHIC INFORMATION OFFICE

Enabling Laws

Act 68 of 2014

A.C.A. §15-21-501 - A.C.A. §15-21-505

History and Organization

The Arkansas Geographic Information Office (AGIO) was created in 2001 as a division of the Department of Information Services (DIS) by the passage of Act 1250. Its purpose is to coordinate the development and maintenance of geographic information systems (GIS) data throughout the state. The AGIO coordinates with all levels of government, private and non-profit sectors to reduce duplication of effort. The office works in conjunction with the Arkansas Geographic Information Systems Board. In 2009, the AGIO became a state agency with the passage of Act 244 (HB 1356 of 87th General Assembly).

The Office operates GeoStor, Arkansas' GIS clearinghouse, where the state's GIS data is published for users. The Office works closely with County Assessors who are mapping real estate tax parcels, County Judges and E9-1-1 coordinators who are mapping the road centerline file and with county floodplain managers in support of FEMA's Flood Map Modernization Program. The Office is also responsible for maintaining the aerial imagery program that procures aerial imagery of the state.

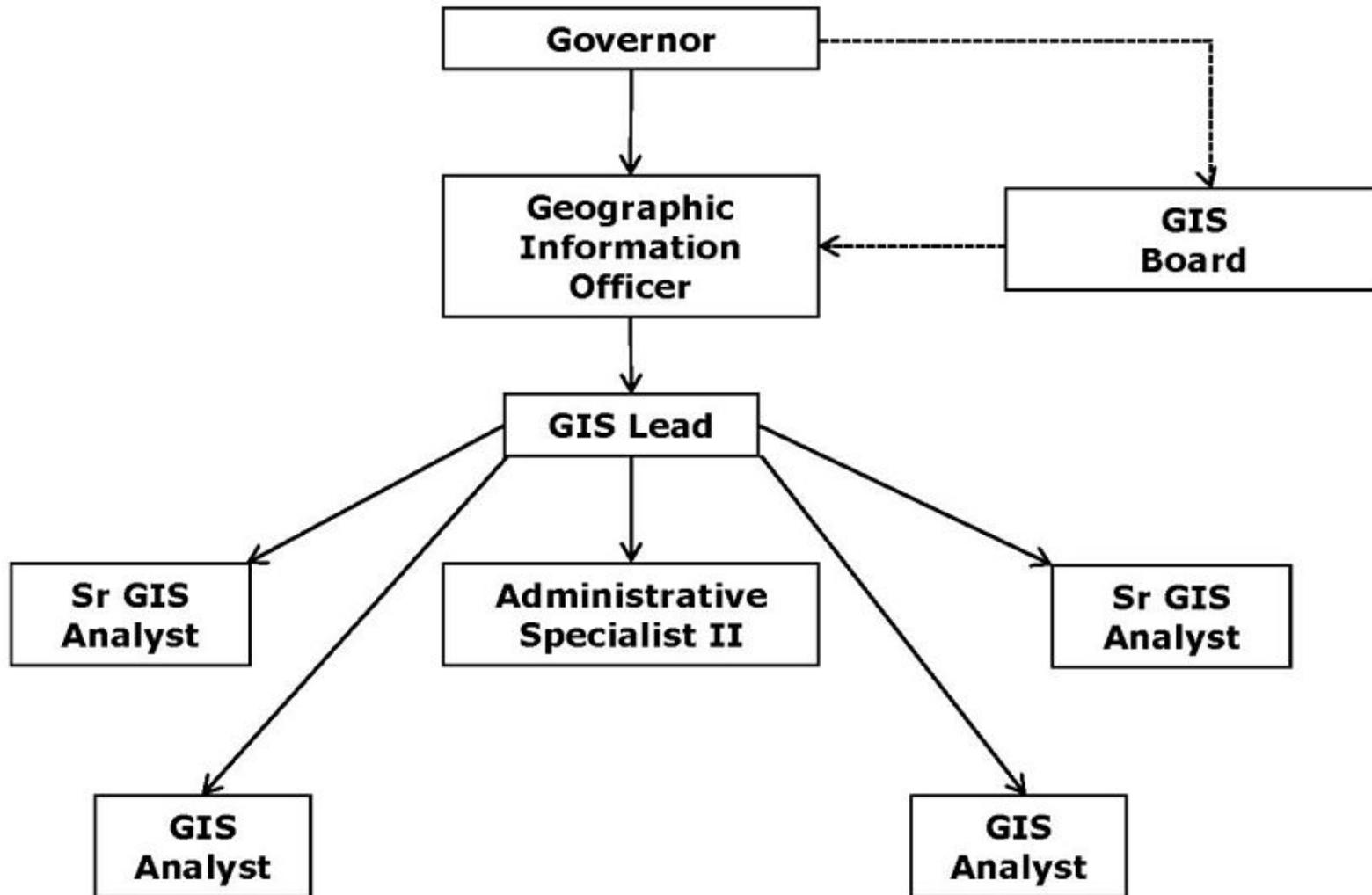
The parcel mapping focuses on the development of tax parcels that are listed in the counties' computer-assisted mass appraisal system. Parcel mapping improves the efficiency of the Assessor reappraisal process. The data aids the Assessors in discovering taxable real estate. The data is used by the banking industry, realtors, surveyors, floodplain administrators and others to view information about properties. One of the most valuable uses of the data is for economic development where prospects can research and evaluate potential sites for development without having to conduct an initial visit.

The road centerline program compiles a standardized road centerline map layer that can be used by all levels of government, the private sector and individuals. The data is one of the most commonly needed datasets by GIS users. The AGIO helps the County E9-1-1 offices with the technical facets of creating and maintaining centerline data. The data can be used to locate people, places and events along the roads by correlating them to a physical address. The AGIO assembles a statewide version of the data by incorporating updates from individual counties as roads are changed or new roads are built. The layer is heavily used following disaster and emergency response events. This layer in combination with address point coordinates is used to drive the state's Streamlined Sales Tax database that supports collection and accurate distribution of county and city sales tax. The system added over \$7 million in sales tax revenue to the state in 2009.

The AGIO plays a supportive role in FEMA's Flood Map Modernization Program by providing local and statewide GIS data used for the digital flood insurance rate maps. It also ensures the quality of the data based on FEMA's guidelines and standards. The AGIO also assists county floodplain managers with GIS data requirements.

The aerial imagery is a special type of photography that is corrected for terrain distortion and encoded with the latitude and longitude coordinates. This enables the data to be used in a number of applications. Because a picture is worth a thousand words, this data is the most popular GIS data published by the agency. It is used by County Assessors to locate and discover real estate, by County E9-1-1 office to map roads, by numerous state agencies for a variety of purposes and by private sectors including real estate, land surveying, engineering, utilities, agriculture and forestry . The AGIO procured this statewide image database in 2001 and 2006 with General Improvement funding. The data is also provided to commercial Internet search engines so that GIS users worldwide can access it, and entrepreneurs can potentially make more informed business decisions.

The AGIO continues to work with Arkansas counties, state and federal agencies to ensure the accuracy and self-maintenance of GIS data about Arkansas for decision makers.



Agency Commentary

The Arkansas Geographic Information Office acts as the functional arm of the Arkansas Geographic Information Systems (GIS) Board. The agency coordinates the development and maintenance of statewide GIS data with cities, counties, state agencies, the federal government, non-profit and private sectors. This activity reduces duplication of effort and ensures GIS data about Arkansas is readily available for decision makers. The data is made available through GeoStor the state's online GIS platform. The agency provides administrative and technical support to the Board.

The agency's long-range plan calls for investing in the most important GIS databases needed in Arkansas. The priorities represent the most commonly used base maps. These layers are used by multiple agencies, local government and private sector and are used for emergency response, natural resource management, regulatory oversight, allocation of streamlined sales tax revenue and generate real estate revenue. The agency uses the data to support the Department of Finance and Administration, Excise Tax Division in the Streamlined Sales and Use Tax program that collects and allocates sales tax at the delivery point. Points of delivery are determined by the GIS databases. The agency's request is for the state to invest in getting these critical layers created and maintained. Nearly every function in state government can be mapped and analyzed geographically if the data is available. This data is needed statewide to support statewide decision making.

The agency requests an increase of \$55,757 each year of the biennium. The increase includes \$46,509 in Regular Salaries and Personal Services Matching for a new Surveyor position, \$6,463 restoration of the Extra Help and Personal Services Matching, and \$2,785 in Operating Expenses.

The Surveyor position is requested to assist cities with legal description, map and platting technical service prior to the city annexation process. City boundaries would then be updated in the state database. City boundaries usage includes but not limited to the Census population, property tax jurisdictions, voter districting, legislative representation, and utility franchise tax collection. The Agency anticipates a number of cities will annex areas to increase their population beginning in 2016 and through 2018 for the 2020 Census. Beginning in 2008, the U.S. Census Bureau implemented a single point of contact process for the boundary and annexation survey process. This allows a single entity representing the state to file digital city boundaries with the Census instead of the 500 individual cities. To participate, the single point of contact is required to enforce local laws where boundary changes are reported to the state jurisdiction.

The Extra Help restoration is requested to improve the accuracy and quality of the Section Township and Range corner database. The Extra Help would perform data entry on corner records from information gathered by the State Surveyor of the Division of Land Surveys. These records include latitude and longitude of corners recovered.

The increase in Operating Expenses includes an increase of \$1,084 for office rent, and \$1,701 for expenses related to the new Surveyor position which includes \$1,500 in travel related expenses and \$201 for cell phone and usage.

Audit Findings

DIVISION OF LEGISLATIVE AUDIT
AUDIT OF :
ARKANSAS GEOGRAPHIC INFORMATION OFFICE
FOR THE YEAR ENDED JUNE 30, 2013

Findings

Recommendations

None

None

State Contracts Over \$50,000 Awarded To Minority Owned Businesses Fiscal Year 2014

None

Employment Summary

	Male	Female	Total	%
White Employees	5	1	6	86 %
Black Employees	0	1	1	14 %
Other Racial Minorities	0	0	0	0 %
Total Minorities			1	14 %
Total Employees			7	100 %

Publications

A.C.A. 25-1-201 et seq.

Name	Statutory Authorization	Required for		# of Copies	Reason(s) for Continued Publication and Distribution	Unbound Black & White Copies Produced During the Last Two Years	Cost of Unbound Copies Produced During the Last Two Years
		Governor	General Assembly				
Annual Report to Joint Committee on Advanced Communications & Information Technology	A.C.A 15-21-503 (i)	Y	Y	40	A.C.A. 15-21-503 (i)	20	48.00

Department Appropriation Summary

Historical Data

Agency Request and Executive Recommendation

Appropriation	2013-2014		2014-2015		2014-2015		2015-2016						2016-2017					
	Actual	Pos	Budget	Pos	Authorized	Pos	Base Level	Pos	Agency	Pos	Executive	Pos	Base Level	Pos	Agency	Pos	Executive	Pos
56X GeoStor & Framework	20,696	0	633,651	0	250,000	0	250,000	0	250,000	0	250,000	0	250,000	0	250,000	0	250,000	0
56Y Geographic Information Systems	799,754	7	812,833	7	812,833	7	819,515	7	875,272	8	866,024	8	819,515	7	875,272	8	866,024	8
86X Parcel Mapping Grant	245,862	0	1,333,300	0	1,333,300	0	1,333,300	0	1,333,300	0	1,333,300	0	1,333,300	0	1,333,300	0	1,333,300	0
M91 Moving Ahead for Progress-21st Century	0	0	500,000	0	0	0	0	0	500,000	0	500,000	0	0	0	500,000	0	500,000	0
NOT REQUESTED FOR THE BIENNIUM																		
86J Point Mapping ARRA	278,775	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,345,087	7	3,279,784	7	2,396,133	7	2,402,815	7	2,958,572	8	2,949,324	8	2,402,815	7	2,958,572	8	2,949,324	8

Funding Sources		%		%		%		%		%		%		%		%
Fund Balance	4000005	589,302	35.1	331,878	10.1		363	0.0	363	0.0	363	0.0	363	0.0	363	0.0
General Revenue	4000010	799,754	47.7	812,833	24.8		819,515	34.1	875,272	29.6	819,515	28.2	819,515	34.1	875,272	29.6
Federal Revenue	4000020	278,775	16.6	883,651	26.9		0	0.0	500,000	16.9	500,000	17.2	0	0.0	500,000	16.9
Trust Fund	4000050	9,134	0.5	1,251,785	38.2		1,583,300	65.9	1,583,300	53.5	1,583,300	54.5	1,583,300	65.9	1,583,300	53.5
Total Funds		1,676,965	100.0	3,280,147	100.0		2,403,178	100.0	2,958,935	100.0	2,903,178	100.0	2,403,178	100.0	2,958,935	100.0
Excess Appropriation/(Funding)		(331,878)		(363)			(363)		(363)		46,146		(363)		(363)	
Grand Total		1,345,087		3,279,784			2,402,815		2,958,572		2,949,324		2,402,815		2,958,572	

FY15 Budget for GeoStor & Framework (56X) exceeds authorized due to a transfer from the Miscellaneous Federal Grant Holding Account.

Moving Ahead for Progress-21st Century (M91) appropriation established through the authority of the Miscellaneous Federal Program Act.

Variance in Fund Balance is due to unfunded appropriation.

Agency Position Usage Report

FY2012 - 2013						FY2013 - 2014						FY2014 - 2015					
Authorized in Act	Budgeted			Unbudgeted	% of Authorized Unused	Authorized in Act	Budgeted			Unbudgeted	% of Authorized Unused	Authorized in Act	Budgeted			Unbudgeted	% of Authorized Unused
	Filled	Unfilled	Total	Total			Filled	Unfilled	Total	Total			Filled	Unfilled	Total	Total	
6	6	0	6	0	0.00 %	7	6	1	7	0	14.29 %	7	7	0	7	0	0.00 %

Analysis of Budget Request

Appropriation: 56X - GeoStor & Framework

Funding Sources: TGS - Geographic Information Systems Fund

The Geographic Information Systems Fund consists of funds approved by the General Assembly, contributions, federal funds, and any other funds allowable by law. This fund is used to carry out the duties, responsibilities, and authority of the Arkansas Land Board; and create, update, and maintain GeoStor, the Arkansas Spatial Data Infrastructure.

The Agency requests Base Level appropriation for the 2015-2017 Biennium.

The Executive Recommendation provides for the Agency Request.

Appropriation Summary

Appropriation: 56X - GeoStor & Framework

Funding Sources: TGS - Geographic Information Systems Fund

Historical Data

Agency Request and Executive Recommendation

Commitment Item		Historical Data			2015-2016			2016-2017		
		2013-2014 Actual	2014-2015 Budget	2014-2015 Authorized	Base Level	Agency	Executive	Base Level	Agency	Executive
Geostor & Framework	5900047	20,696	633,651	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Total		20,696	633,651	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Funding Sources										
Fund Balance	4000005	203,089	191,527		363	363	363	363	363	363
Federal Revenue	4000020	0	383,651		0	0	0	0	0	0
Trust Fund	4000050	9,134	58,836		250,000	250,000	250,000	250,000	250,000	250,000
Total Funding		212,223	634,014		250,363	250,363	250,363	250,363	250,363	250,363
Excess Appropriation/(Funding)		(191,527)	(363)		(363)	(363)	(363)	(363)	(363)	(363)
Grand Total		20,696	633,651		250,000	250,000	250,000	250,000	250,000	250,000

Budget exceeds Authorized Appropriation in GeoStor & Framework due to a transfer from the Miscellaneous Federal Grant Holding Account.

Analysis of Budget Request

Appropriation: 56Y - Geographic Information Systems

Funding Sources: HUA - Miscellaneous Agencies Fund

The Office of Geographic Information Systems was established as a part of the Office of Information Technology as an integral component of the Initiative for Statewide Technology Advancement (GISTA) and Arkansas' Electronic Government to provide services and data to cities, counties, state and federal agencies, private businesses, and citizens. It provides technology transfer and educational services to all users of GeoStor and enables specific county level projects to become more integrated within GeoStor. The Arkansas Spatial Data Infrastructure (ASDI) is a public resource that provides storage and easy access to essential statewide geographically linked information such as maps, boundaries, aerial photography, facilities, and natural resources.

Upon the dissolution of the Office of Information Technology (OIT) by Acts 751 and 794 of 2007, this appropriation was transferred to the Department of Information Systems. In 2009, the Arkansas Geographic Information Office (AGIO) became a state agency with the passage of Act 244 of 2009.

This appropriation is funded by general revenue.

Base Level Regular Salaries and Personal Services Matching include the continuation of the previously authorized 2015 1% Cost of Living Adjustment and Career Service payments for eligible employees. Personal Services Matching also includes a \$10 increase in the monthly contribution for State employee's health insurance for a total State match per budgeted employee of \$420 per month. Base Level salaries and matching do not include appropriation for Merit Pay Increases.

The Agency requests a Change Level increase of \$55,757 each year as follows:

- Regular Salaries and Personal Services Matching of \$46,509 for a new Surveyor Grade C118 position. The position is needed to assist cities with legal description, map, and platting technical service prior to city annexation process. The city boundaries are then updated on the state database. City boundaries are used in Census population, property tax jurisdictions, voter districting, legislative representation, and utility franchise tax collection. The Agency anticipates a number of cities will annex areas to increase their population for the 2020 Census. Beginning in 2008, the U.S. Census Bureau implemented a single point of contact process for the boundary and annexation survey process. This allows a single entity representing the state to file digital city boundaries with the Census.
- Extra Help and Personal Services Matching of \$6,463 for restoration of the Extra Help positions. The Extra Help will be necessary to improve the accuracy and quality of the Section Township and Range System corner database. The Extra Help will perform data entry on corner records from information gathered by the State Surveyor of the Division of Land Surveys. The records include latitude and longitude of corners recovered.

- Operating Expenses of \$2,785; including \$1,084 for office rent increase, and \$1,701 for the new Surveyor travel related expenses and telecommunications wireless expenses.

The Executive Recommendation provides for Base Level funding and \$46,509 of appropriation only for Regular Salaries and Personal Services Matching for the Surveyor position.

Appropriation Summary

Appropriation: 56Y - Geographic Information Systems
Funding Sources: HUA - Miscellaneous Agencies Fund

Historical Data

Agency Request and Executive Recommendation

Commitment Item	Historical Data			Agency Request and Executive Recommendation			Agency Request and Executive Recommendation		
	2013-2014 Actual	2014-2015 Budget	2014-2015 Authorized	2015-2016			2016-2017		
				Base Level	Agency	Executive	Base Level	Agency	Executive
Regular Salaries 5010000	444,136	455,826	445,781	460,373	494,234	494,234	460,373	494,234	494,234
#Positions	7	7	7	7	8	8	7	8	8
Extra Help 5010001	0	0	6,000	0	6,000	0	0	6,000	0
#Extra Help	0	0	2	0	2	0	0	2	0
Personal Services Matching 5010003	133,757	136,591	132,752	138,726	151,837	151,374	138,726	151,837	151,374
Operating Expenses 5020002	218,099	210,416	218,300	210,416	213,201	210,416	210,416	213,201	210,416
Conference & Travel Expenses 5050009	3,762	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Professional Fees 5060010	0	0	0	0	0	0	0	0	0
Data Processing 5090012	0	0	0	0	0	0	0	0	0
Capital Outlay 5120011	0	0	0	0	0	0	0	0	0
Total	799,754	812,833	812,833	819,515	875,272	866,024	819,515	875,272	866,024
Funding Sources									
General Revenue 4000010	799,754	812,833		819,515	875,272	819,515	819,515	875,272	819,515
Total Funding	799,754	812,833		819,515	875,272	819,515	819,515	875,272	819,515
Excess Appropriation/(Funding)	0	0		0	0	46,509	0	0	46,509
Grand Total	799,754	812,833		819,515	875,272	866,024	819,515	875,272	866,024

FY15 Budget amount in Regular Salaries and Personal Services Matching exceeds the authorized amount due to salary and matching rate adjustments during the 2013-2015 Biennium.

Change Level by Appropriation

Appropriation: 56Y - Geographic Information Systems
Funding Sources: HUA - Miscellaneous Agencies Fund

Agency Request

Change Level		2015-2016	Pos	Cumulative	% of BL	2016-2017	Pos	Cumulative	% of BL
BL	Base Level	819,515	7	819,515	100.0	819,515	7	819,515	100.0
C01	Existing Program	9,047	0	828,562	101.1	9,047	0	828,562	101.1
C02	New Program	46,509	1	875,071	106.8	46,509	1	875,071	106.8
C08	Technology	201	0	875,272	106.8	201	0	875,272	106.8

Executive Recommendation

Change Level		2015-2016	Pos	Cumulative	% of BL	2016-2017	Pos	Cumulative	% of BL
BL	Base Level	819,515	7	819,515	100.0	819,515	7	819,515	100.0
C01	Existing Program	463	0	819,978	100.1	463	0	819,978	100.1
C02	New Program	46,509	1	866,487	105.7	46,509	1	866,487	105.7
C08	Technology	0	0	866,487	105.7	0	0	866,487	105.7
C13	Not Recommended	(463)	0	866,024	105.7	(463)	0	866,024	105.7

Justification

C01	The agency requests \$6,463 in Extra Help and Personal Services Matching for restoration of the Extra Help positions and appropriation. The Extra Help will be necessary to improve the accuracy and quality of the Section Township and Range System corner database. The position would perform data entry on corner records from information gathered by the State Surveyor of the Division of Land Surveys. These records include latitude and longitude of corners recovered. The agency requests an increase of \$2,584 in Operating Expenses for office rent increase of \$1,084, and \$1,500 in travel related expenses for the new Surveyor including mileage, common carrier, and gas purchases.
C02	The agency requests a Change Level increase of \$46,509 in Regular Salaries and Personal Services Matching for a new Surveyor C118 position. This position is needed to assist cities with legal description, map, and platting technical service prior to the city annexation process. The city boundaries would then be updated in the state database. City boundaries usage includes but is not limited to the Census population, property tax jurisdictions, voter districting, legislative representation, and utility franchise fee collection. The agency anticipates a number of cities will annex areas to increase their population beginning in 2016 and through 2018 for the 2020 Census. Beginning in 2008, the U.S. Census Bureau implemented a single point of contact process for the boundary and annexation survey process. This allows a single entity representing the state to file digital city boundaries with the Census instead of the 500 individual cities. To participate, the single point of contact is required to enforce local laws where boundary changes are reported to the state jurisdiction.
C08	The agency requests an increase of \$201 in Operating Expenses for Telecommunications Wireless for cell phone and usage by the new Surveyor position.

Analysis of Budget Request

Appropriation: 86X - Parcel Mapping Grant

Funding Sources: TGS - Geographic Information Systems Fund

This appropriation is used to update the statewide digital parcel data map. It is used to initiate parcel automation, accelerate the completion of parcel automation, and support improvements in those counties which have completed automation. Grants under this program are funded as follows, state funding of up to 60% of the cost of approved projects and the balance of the cost from required matching funds from the county.

The Agency requests Base Level appropriation for the 2015-2017 Biennium.

The Executive Recommendation provides for the Agency Request.

Appropriation Summary

Appropriation: 86X - Parcel Mapping Grant

Funding Sources: TGS - Geographic Information Systems Fund

Historical Data

Agency Request and Executive Recommendation

Commitment Item	2013-2014	2014-2015	2014-2015	2015-2016			2016-2017		
	Actual	Budget	Authorized	Base Level	Agency	Executive	Base Level	Agency	Executive
Statewide Parcel Map Grant Prog 5900046	245,862	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300
Total	245,862	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300
Funding Sources									
Fund Balance 4000005	386,213	140,351		0	0	0	0	0	0
Trust Fund 4000050	0	1,192,949		1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300
Total Funding	386,213	1,333,300		1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300
Excess Appropriation/(Funding)	(140,351)	0		0	0	0	0	0	0
Grand Total	245,862	1,333,300		1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300

Analysis of Budget Request

Appropriation: M91 - Moving Ahead for Progress-21st Century

Funding Sources: FNM - AGIO Federal Programs

This appropriation was established through the authority of the Miscellaneous Federal Program Act. The Arkansas State Highway and Transportation Department sub-granted \$500,000 to the Arkansas Geographic Information Office (AGIO) to implement a referencing system including road class, road design, and surface type. The AGIO will coordinate or modify these features in the countywide road centerline file to meet the Federal Highway Administration requirements of the Moving Ahead for Progress in the 21st Century Act (MAP-21).

The Agency requests Base Level appropriation for the 2015-2017 Biennium.

The Executive Recommendation provides for the Agency Request.

Appropriation Summary

Appropriation: M91 - Moving Ahead for Progress-21st Century

Funding Sources: FNM - AGIO Federal Programs

Historical Data

Agency Request and Executive Recommendation

Commitment Item	2013-2014	2014-2015	2014-2015	2015-2016			2016-2017		
	Actual	Budget	Authorized	Base Level	Agency	Executive	Base Level	Agency	Executive
Operating Expenses 5020002	0	500,000	0	0	500,000	500,000	0	500,000	500,000
Total	0	500,000	0	0	500,000	500,000	0	500,000	500,000
Funding Sources									
Federal Revenue 4000020	0	500,000		0	500,000	500,000	0	500,000	500,000
Total Funding	0	500,000		0	500,000	500,000	0	500,000	500,000
Excess Appropriation/(Funding)	0	0		0	0	0	0	0	0
Grand Total	0	500,000		0	500,000	500,000	0	500,000	500,000

Appropriation was established through the authority of the Miscellaneous Federal Program Act.

Change Level by Appropriation

Appropriation: M91 - Moving Ahead for Progress-21st Century
Funding Sources: FNM - AGIO Federal Programs

Agency Request

Change Level		2015-2016	Pos	Cumulative	% of BL	2016-2017	Pos	Cumulative	% of BL
BL	Base Level	0	0	0	0.0	0	0	0	0.0
C01	Existing Program	500,000	0	500,000	100.0	500,000	0	500,000	100.0

Executive Recommendation

Change Level		2015-2016	Pos	Cumulative	% of BL	2016-2017	Pos	Cumulative	% of BL
BL	Base Level	0	0	0	0.0	0	0	0	0.0
C01	Existing Program	500,000	0	500,000	100.0	500,000	0	500,000	100.0

Justification

C01	The agency received a \$500,000 federal grant from the State Highway and Transportation Department. The grant will allow the agency to work with county personnel to implement common database fields to store information about road class, road design, and surface type of local roads. The agency will coordinate adding or modifying these features in the countywide road centerline dataset and deliver the file to the State Highway Department for the federal requirements of the Moving Ahead for Progress in the 21st Century Act (MAP-21). The agency requests continuation of the MAP-21 project for the 2015-2017 biennium.								
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Appropriation Summary

Appropriation: 86J - Point Mapping ARRA

Funding Sources: FNM - AGIO Federal Programs

Historical Data

Agency Request and Executive Recommendation

Commitment Item	2013-2014 Actual	2014-2015 Budget	2014-2015 Authorized	2015-2016			2016-2017		
				Base Level	Agency	Executive	Base Level	Agency	Executive
ARRA of 2009 5900052	278,775	0	0	0	0	0	0	0	0
Total	278,775	0	0	0	0	0	0	0	0
Funding Sources									
Federal Revenue 4000020	278,775	0		0	0	0	0	0	0
Total Funding	278,775	0		0	0	0	0	0	0
Excess Appropriation/(Funding)	0	0		0	0	0	0	0	0
Grand Total	278,775	0		0	0	0	0	0	0

APPROPRIATION NOT REQUESTED FOR THE 2015-2017 BIENNIUM.