

Alabama Judicial Retirement Fund Report of the Actuary on the Annual Valuation Prepared as of September 30, 2006



September 5, 2007

Board of Control Alabama Judicial Retirement Fund Montgomery, Alabama

Members of the Board:

In this report are submitted the results of the annual valuation of the assets and liabilities of the Alabama Judicial Retirement Fund, prepared as of September 30, 2006 in accordance with Section 36-27-23(p) of the act governing the operation of the Fund.

The purpose of this report is to provide a summary of the funded status of the Fund as of September 30, 2006, to recommend rates of contribution and to provide accounting information under Governmental Accounting Standards Board Statements No. 25 and 27 (GASB 25 and 27). Data regarding the membership of the Fund for use as a basis of the valuation was furnished by the Retirement Fund office. While not verifying the data at source, the actuary performed tests for consistency and reasonability. On the basis of this valuation, it is recommended that the State make contributions to the Retirement Fund at the rate of 23.05% of payroll for the fiscal year ending September 30, 2009. The contribution remains at the same level as the previous actuarial valuation.

The financing objective of the Fund has been to have contribution rates remain relatively level over time as a percentage of payroll. The promised benefits of the Fund are included in the actuarially calculated contribution rates which are developed using the Projected Unit Credit cost method. Five-year smoothed market value of assets is used for actuarial valuation purposes. Gains and losses are reflected in the unfunded accrued liability that is being amortized by regular annual contributions as a level percentage of payroll within a 19-year period, on the assumption that payroll will increase by 4.50% annually. The assumptions recommended by the actuary and adopted by the Board are in the aggregate reasonably related to the experience under the Fund and to reasonable expectations of anticipated experience under the Fund and meet the parameters for the disclosures under GASB 25 and 27.

We have prepared the Schedule of Funding Progress and Trend Information shown in the financial section of the Annual Report, and all supporting schedules including the Schedule of Active Member Valuation Data, the Solvency Test and the Analysis of Financial Experience shown in the actuarial section of the Annual Report. All historical information that references a valuation date prior to September 30, 2004 was prepared by the previous actuarial firm.



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This is to certify that the independent consulting actuary is a member of the American Academy of Actuaries and has experience in performing valuations for public retirement systems, that the valuation was prepared in accordance with principles of practice prescribed by the Actuarial Standards Board, and that the actuarial calculations were performed by qualified actuaries in accordance with accepted actuarial procedures, based on the current provisions of the Retirement Fund and on actuarial assumptions that are internally consistent and reasonably based on the actual experience of the Fund.

In our opinion the Fund is operating on an actuarially sound basis. Assuming that contributions to the Fund are made by the employer from year to year in the future at the rates recommended on the basis of the successive actuarial valuations, the continued sufficiency of the retirement fund to provide the benefits called for under the Fund may be safely anticipated.

The Table of Contents, which immediately follows, outlines the material contained in the report.

Respectfully submitted,

Edward A. Macdonald, ASA, FCA, MAAA

President

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Cathy Turcot Managing Director



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REPORT OF THE ACTUARY ON THE ANNUAL VALUATION OF THE ALABAMA JUDICIAL RETIREMENT FUND PREPARED AS OF SEPTEMBER 30, 2006

SECTION I - SUMMARY OF PRINCIPAL RESULTS

1. For convenience of reference, the principal results of the valuation and a comparison with the preceding year's results are summarized below:

VALUATION DATE	Se	eptember 30, 2006	Se	ptember 30, 2005
Active members Number Annual compensation*	\$	332 39,184,897	\$	340 40,144,335
Retired members and beneficiaries Number Annual allowances*	\$	273 19,347,895	\$	274 18,420,886
Assets				
Actuarial value Market value	\$	260,664,380 245,538,151	\$	256,091,618 232,635,755
Unfunded accrued liability	\$	40,927,612	\$	43,572,642
CONTRIBUTIONS FOR FISCAL YEAR ENDING	Se	ptember 30, 2009	Sep	otember 30, 2008
Employer contribution rate Normal Accrued liability Total		15.33% <u>7.72</u> 23.05%		15.51% <u>7.54</u> 23.05%
Amortization period		19 years		20 years

^{*}Amounts shown do not include any increase in effect after the valuation date.

- Comments on the valuation results as of September 30, 2006 are given in Section IV and further discussion of the contribution levels is set out in Section V.
- 3. Schedule B shows the development of the actuarial value of assets. Schedule D of this report outlines the full set of actuarial assumptions and methods employed in the current valuation. There have been no changes since the previous valuation.
- 4. Provisions of the Fund, as summarized in Schedule E, were taken into account in the current valuation.



SECTION II - MEMBERSHIP DATA

 The following table shows the number of active members and their annual compensation as of September 30, 2006 on the basis of which the valuation was prepared.

TABLE 1

THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS AS OF SEPTEMBER 30, 2006

GROUP	NUMBER	COMPENSATION
District Court Judges	102	\$ 12,550,687
Probate Court Judges	67	5,769,042
Non District, Non Probate Judges	<u>163</u>	20,865,168
Total	332	\$ 39,184,897

The table reflects the active membership for whom complete valuation data were submitted. The results of the valuation were adjusted to take account of an additional 51 inactive members.

2. The following table shows a six-year history of active member valuation data.

TABLE 2
SCHEDULE OF ACTIVE MEMBER VALUATION DATA

Valuation <u>Date</u>	Number	Annual Payroll*	Annual Average Pay	% Increase in Average Pay
9/30/2006	332	\$ 39,184,897	\$ 118,027	(0.04)%
9/30/2005	340	40,144,335	118,072	(0.56)
9/30/2004	332	39,419,414	118,733	0.98
9/30/2003	338	39,742,054	117,580	2.83
9/30/2002	331	37,849,332	114,348	9.95
9/30/2001	326	33,902,846	103,996	26.04

^{*}Amounts shown do not include any salary increase effective after the valuation date.



2. The following table shows the number and annual retirement allowances payable to retired members and their beneficiaries on the roll of the Retirement Fund as of the valuation date.

TABLE 3

THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF RETIRED MEMBERS AND BENEFICIARIES ON THE ROLL

AS OF SEPTEMBER 30, 2006

GROUP	NUMBER	ANNUAL RETIREMENT ALLOWANCES	
Service Retirements	173	\$	15,953,594
Disability Retirements	7		329,224
Beneficiaries of Deceased Members	<u>93</u>		3,065,077
Total	273	\$	19,347,895

4. Schedule F shows the distribution by age and service of the number and average annual compensation of active members included in the valuation.

SECTION III - ASSETS

- The amount of assets taken into account in this valuation is based on information reported by the Retirement Fund.
- 2. As of September 30, 2006, the total market value of assets amounted to \$245,538,151. The market related actuarial value of assets is \$260,664,380. Schedule B shows the development of the actuarial value of assets as of September 30, 2006.
- 3. Schedule C shows the receipts and disbursements of the Fund for the year preceding the valuation date and a reconciliation of the fund balances at market value.



SECTION IV - COMMENTS ON VALUATION

- 1. Schedule A outlines the results of the valuation. The valuation shows that the Fund has total accrued liabilities of \$301,591,992. Of this amount, \$180,555,380 is for the benefits payable on account of present retired members and beneficiaries of deceased members, and \$121,036,612 is for the benefits payable on account of present active and inactive members. Against these liabilities, the Fund has total present actuarial value of assets of \$260,664,380 as of September 30, 2006. The difference of \$40,927,612 between the total liabilities and the total present actuarial value of assets represents the present value of future actuarial accrued liability contributions to be made by the State.
- The employer's regular contributions to the Fund consist of normal contributions and accrued liability contributions. The normal contribution rate payable by the State is equal to the cost of benefits accruing during the year not provided by members' contributions, divided by the annual active members' payroll. The normal contribution rate is determined to be 15.33% of payroll.
- 3. Accrued liability contributions of 7.72% of payroll are to be made toward liquidating the unfunded accrued liability. Annual accrued liability contributions at the rate of 7.72% of payroll will liquidate the unfunded accrued liability within approximately 19 years from the valuation date on the assumption that the aggregate amount of the accrued liability contribution will increase by 4.5% per year.

SECTION V - CONTRIBUTIONS PAYABLE BY EMPLOYER

- Section 12-18-3 of the Retirement Fund Law provides that sufficient monies shall be appropriated to carry out the provisions of the Law.
- On the basis of the actuarial valuation prepared as of September 30, 2006 it is recommended that the employer make contributions at the following rates beginning October 1, 2008:



TABLE 4

EMPLOYER REQUIRED CONTRIBUTION RATES
AS A PERCENTAGE OF MEMBERS' COMPENSATION

EMPLOYER CONTRIBUTION	FISCAL YEAR 2008/2009
Normal	15.33%
Accrued Liability	<u>7.72</u>
Total	23.05%

SECTION VI - ACCOUNTING INFORMATION

 Governmental Accounting Standards Board Statements 25 and 27 set forth certain items of required supplementary information to be disclosed in the financial statements of the Fund and the employer.
 One such item is a distribution of the number of employees by type of membership, as follows:

NUMBER OF ACTIVE AND RETIRED MEMBERS AS OF SEPTEMBER 30, 2006

GROUP	NUMBER
Retirees and beneficiaries currently receiving benefits	273
Terminated employees entitled to benefits but not yet receiving benefits	51
Active members	332
Total	656



2. Another such item is the schedule of funding progress as shown below.

SCHEDULE OF FUNDING PROGRESS

Actuarial Valuation <u>Date</u>	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a / b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
9/30/2001	\$245,705,163	\$289,044,513	\$43,339,350	85.0%	\$38,693,893*	112.0%
9/30/2002	245,424,761	289,857,761	44,433,000	84.7	39,763,256*	111.7
9/30/2003	247,010,980	285,123,024	38,112,044	86.6	39,742,054	95.9
9/30/2004	251,844,238	293,055,233	41,210,995	85.9	39,419,414	104.5
9/30/2005	256,091,618	299,664,260	43,572,642	85.5	40,144,335	108.5
9/30/2006	260,664,380	301,591,992	40,927,612	86.4	39,184,897	104.4

^{*}Includes estimated salary increases granted to members of the Fund under Act 99-427.

3. The information presented in the required supplementary schedules was determined as part of the actuarial valuation at September 30, 2006. Additional information as of the latest actuarial valuation follows.

Valuation date	9/30/2006
Actuarial cost method	Projected Unit Credit
Amortization method	Level percent open
Remaining amortization period	19 years
Asset valuation method	Five-year smoothed market value
Actuarial assumptions:	
Investment rate of return*	8.00%
Projected salary increases*	5.00%
Cost-of-living adjustments	None
*Includes inflation at	4.50%



TREND INFORMATION

Period <u>Ending</u>	Annual Pension Cost (APC)	Percentage Of APC <u>Contributed</u>	Net Pension Obligation (NPO)
September 30, 2004	\$8,597,637	100%	\$0
September 30, 2005	8,402,905	100	0
September 30, 2006	8,374,279	100	0

SECTION VII - ANALYSIS OF FINANCIAL EXPERIENCE

The following table shows the estimated gain or loss from various factors that resulted in an decrease of \$2,645,030 in the unfunded accrued liability from \$43,572,642 to \$40,927,612 during the year ending September 30, 2006.

ANALYSIS OF FINANCIAL EXPERIENCE

(in millions of dollars)

ITEM		OUNT OF REASE/ CREASE)
Interest (8.00%) added to previous unfunded accrued liability Accrued liability contribution	\$	3.5 (2.8)
Experience: Valuation asset growth Pensioners' mortality Turnover and retirements New entrants Salary increases Method changes Amendments Assumption changes Total	\$	7.6 0.5 (0.3) 0.1 (11.2) 0.0 0.0 0.0 (2.6)
Assumption changes Total	\$	



SCHEDULE A

VALUATION RESULTS

	Se	ptember 30, 2006	Sep	otember 30, 2005
Actuarial Accrued Liabilities (a) Present active and inactive members	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		 	
- Service pensions	\$	108,137,080	\$	102,790,751
 Disability pensions 	1 1 1	9,175,986	-	9,401,495
- Death benefits*	<u> </u>	3,723,546		3,674,765
- Total	\$	121,036,612	\$	115,867,011
(b) Present retired members and beneficiaries		180,555,380		183,797,249
(c) Total actuarial accrued liabilities	\$	301,591,992	\$	299,664,260
2. Actuarial Value of Assets	\$	260,664,380	\$	256,091,618
3. Unfunded Actuarial Accrued Liability (1(c) - 2)	\$	40,927,612	\$	43,572,642

^{*}Liability for death benefits payable after retirement are included with liability for service and disability pensions.

SOLVENCY TEST (\$1000's)

	Aggre		Portion of Accrued Liabilities Covered by Reported Asset					
Valuation Date	(1) (2) Active Retirants Member and Contributions Beneficiaries		(3) Active Members (Employer Financed Portion)	Reported Assets	(1)	(2)	(3)	
9/30/2006	\$31,569	\$180,555	\$89,468	\$260,664	100%	100%	54.3%	
9/30/2005 ¹	29,027	183,797	86,840 256,092		100	100	49.8	
9/30/2004 ²	27,492	178,446	87,118	251,844	100	100	52.7	
9/30/2003	25,012	012 181,882 78,228		247,011	100	100	51.3	
9/30/2002	23,537	184,490	81,831	245,425	100	100	45.7	
9/30/2001 ³	21,015 189,375		78,654	245,705	100	100	44.9	

Reflects additional allowance payable under Act 2006-510.
Reflects additional allowance payable under Act 2005-316.
Reflects changes in post retirement mortality.



SCHEDULE B DEVELOPMENT OF THE ACTUARIAL VALUE OF ASSETS

(1)	Actuarial Value Beginning of Year	\$	256,091,618
(2)	Market Value End of Year	: : :	245,538,151
(3)	Market Value Beginning of Year	1 1 1 1	232,635,755
(4)	Cash Flow a. Contributions b. Benefit Payments c. Other d. Net Cash Flow (a - b - c)	\$	10,871,013 18,821,970 0 (7,950,957)
(5)	Investment Income a. Market Total: (2) - (3) - (4)d b. Assumed Rate c. Amount for Immediate Recognition [(1) * (5)b] + [(4)d * 0.5 * (5)b] d. Amount for Phased-In Recognition: (5)a - (5)c		20,853,353 8.00% 20,169,291 684,062
(6)	Phased-In Recognition of Investment Gain/(Loss) a. Current Year 0.2 * (5)d b. First Prior Year c. Second Prior Year d. Third Prior Year e. Fourth Prior Year f. Total Recognized Investment Gain	\$	136,812 (108,712) (7,673,672) 0 0 (7,645,572)
(7)	Actuarial Value End of Year (1) + (4)d + (5)c + (6)f	\$	260,664,380



SCHEDULE C

SUMMARY OF RECEIPTS AND DISBURSEMENTS FOR THE PERIOD ENDING SEPTEMBER 30, 2006

Receipts for the Period						
Contributions:						
Members	\$	2,496,734				
Employer		8,374,279				
Total	\$	10,871,013				
Investment Income		20,853,353				
TOTAL	\$	31,724,366				
Disbursements for the Period						
Benefit Payments	\$	18,777,346				
Refunds to Members		44,624				
Other		0				
TOTAL	\$	18,821,970				
Excess of Receipts over Disbursements	\$	12,902,396				
Reconciliation of Asset Balances						
Market Value of Assets as of September 30, 2005	\$	232,635,755				
Excess of Receipts over Disbursements		12,902,396				
Market Value of Assets as of September 30, 2006	\$	245,538,151				
Rate of Return on Market Value of Assets		9.12%				



SCHEDULE D

OUTLINE OF ACTUARIAL ASSUMPTIONS AND METHODS

The assumptions and methods used in the valuation were selected by the prior actuarial firm based on the actuarial experience study prepared as of September 30, 2000, submitted May 23, 2002 and adopted by the Board on June 5, 2002.

Investment Rate of Return: 8% per annum, compounded annually.

Salary Increases: 5% per annum, compounded annually.

Separations Before Retirement: Representative values of the assumed annual rates of death and disability are as follows:

	Annual Rate of	
De	Disability	
Male	Female	
.08%	.03%	.08%
.08	.04	.16
.09	.06	.27
.14	.09	.43
.21	.12	.65
.36	.19	1.00
.63	.34	1.58
1.01	.58	2.28
	Male .08% .08 .09 .14 .21 .36 .63	Male Female .08% .03% .08 .04 .09 .06 .14 .09 .21 .12 .36 .19 .63 .34

Rates of Retirement: 30% of members are assumed to retire in the year when first eligible and 5% in each year thereafter. All remaining members are assumed to retire at age 70.

Deaths After Retirement: Rates of mortality for the period after service retirement are according to the GBB 1979 Table for males rated forward one year and the GBB 1979 Table for females. Special mortality tables are used for the period after disability retirement.

Percent Married: 90% of members are assumed to be married.

Actuarial Method: Projected unit credit method. Gains and losses are reflected in the unfunded accrued liability.

Assets: Actuarial Value as developed in Schedule B. The actuarial value of assets recognizes 20% of the difference between the market value of assets and the expected actuarial value of assets.



SCHEDULE E

SUMMARY OF MAIN FUND PROVISIONS AS INTERPRETED FOR VALUATION PURPOSES

The Judicial Retirement Fund was established September 18, 1973. The valuation took into account amendments to the Fund effective through the valuation date. The following summary describes the main benefit and contribution provisions of the Fund as interpreted for the valuation.

Membership

Any justice of the Supreme Court, judge of the Court of Civil Appeals, judge of the Court of Criminal Appeals, judge of the Circuit Court or officeholder of any newly created judicial office receiving compensation from the State treasury became a member of the fund if he was holding office on the effective date of the Act and elected to come under its provisions. Any such justice or judge elected or appointed to office after the effective date of the Act or any district or probate judge elected or appointed to office after October 10, 1975 or October 1, 1976, respectively, automatically becomes a member. Certain other district and probate judges as well as certain former county court judges, district attorneys or assistant district attorneys serving as circuit judges and certain supernumerary judges and justices could also elect to become members.

Credited Service

Credited service is service as a member plus certain periods of previous service credited in accordance with the provisions of the Act.

Benefits

Service Retirement Benefit

Condition for Benefit A retirement benefit is payable upon the request of any member who has:

- Completed 12 years of credited service and attained age 65, or
- Completed 15 years of credited service and whose age plus service equals or exceeds 77, or



- Completed at least 18 years of credited service or three full terms as a judge or justice, or
- Completed 10 years of credited service and attained age 70

However, a judge who became a member on or after July 30, 1979 or who is a district or probate judge must meet the following age and service requirement combinations in order to be eligible to retire:

- Completed 12 years of credited service and attained age 65, or
- Completed at least 15 years of credited service and attained age 60, and whose age plus service equals or exceeds 77, or
- Completed 10 years of credited service and attained age 70, or
- Completed 25 years of credited service (or completed 24 years of credited service provided the member purchases one year of service prior to retirement) regardless of age

Amount of Benefit

The service retirement benefit for a member is equal to:

- (a) For a circuit or appellate judge, who was a member prior to July 30, 1979, 75% of the salary prescribed by law for the position from which the member retires.
- (b) For a circuit or appellate judge who became a member on or after July 30, 1979, 75% of the member's salary at the time of separation from service.
- (c) For a district judge, 75% of the position's salary immediately prior to retirement.
- (d) For a probate judge, 75% of the member's salary at the time of separation from service.

Disability Retirement Benefit

Condition for Benefit

A disability retirement benefit is payable to any member who becomes permanently, physically or mentally, unable to carry out his duties on a full-time basis, provided the member has completed five or more years of credited service.

Amount of Benefit

The disability retirement benefit for a member other than a district or probate judge who was a member prior to July 30, 1979 is equal to 25% of the salary prescribed by law for the position from which the member retires on disability plus 10% of such salary for each year of credited service in excess of five years. The disability retirement benefit is subject to a minimum of 30% and a maximum of 75% of such salary.

The disability retirement benefit for a judge who became a member on or after July 30, 1979 or who is a district or probate judge is equal to 25% of his salary immediately prior to retirement plus 10% of such salary for each year of credited service in excess of five years. The disability retirement benefit is subject to a minimum of 30% and a maximum of 75% of such salary.



Spouse's Benefit

Condition for Benefit Upon the death of an active, inactive or retired member with at least 5 years of

credited service, a death benefit is payable to the member's spouse.

judge consists of a yearly benefit equal to 3% of the salary prescribed by law for the position of the former member for each year of service, not to exceed 30% of such

salary.

The death benefit payable to the spouse of a district judge consists of a yearly benefit equal to 3% of the position's salary prescribed by law at the time of death for each

year of service not to exceed 30% of such salary.

The death benefit payable to the spouse of a probate judge is a yearly benefit equal to the greater of \$480 for each year of credited service to a maximum of 10 years, or 3% of the member's salary at the time of separation from service for each year of

credited service not to exceed 30% of such salary.

The benefit is payable for the spouse's life or until his or her remarriage.

Benefit Payable on Separation from Service

If a member terminates service and elects not to withdraw his contributions and accrued interest from the Fund, he is eligible to receive any of the benefits for which he has sufficient credited service upon reaching an eligible retirement age.

A member terminating service before reaching eligibility for retirement benefits may elect to receive a return of contributions and accrued interest.

Contributions

By Members Each member contributes 6% of salary.

By State The State makes contributions which, in addition to the members' contributions, are

sufficient to carry out the provisions of the Act.



SCHEDULE F

SCHEDULE OF ACTIVE PARTICIPANT DATA AS OF SEPTEMBER 30, 2006

Attained Age	Completed Years of Service										
	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	≥ 40	Total
Under 25											
Avg. Pay											
25 to 29											
Avg. Pay											
30 to 34		1									
Avg. Pay		110,972									110,97
35 to 39		6	5	2	1						1
Avg. Pay		98,975	107,656	112,487	110,972						104,86
40 to 44	5		8								2
Avg. Pay	121,821	5 110,972	121,747	2 116,522	1 117,572						118,50
45 to 49	1		10								
Avg. Pay	124,183	13 108,101	118,901	9 123,357	7 128,047	5 111,739					4 117,41
50 to 54	1	9	27	15	11	14	4				
Avg. Pay	128,768	111,008	114,378	115,943	133,957	139,609	164,375				123,96
55 to 59		11	10	18	24	13	9	1	1	1	8
Avg. Pay		112,277	112,080	119,606	127,024	124,568	129,188	60,449	116,106	138,598	121,07
60 to 64	1	2	7	10	9	7	5	2			4
Avg. Pay	117,571	111,472	108,280	113,010	104,509	111,246	131,580	151,698			114,16
65 to 69		2	6	6	4	4	3	3			•
Avg. Pay		132,500	107,418	101,501	111,110	116,157	78,466	115,655	1 125,970		108,13
70 & up		1	1	1	2			•			4.
Avg. Pay		111,972	113,748	123,172	95,357		73,688	2 106,970	1 125,970	139,968	109,31
Total	8	50	74	63	59	40	00			_	
Avg. Pay	122,453	109,980	113,872	116,231	122,419	43 125,022	126,690	8 115,594	3 122,682	139,283	118,02

The top number in each box is the count of actives for that age and service combination. The bottom amount is the average compensation for the group.