RETIREMENT PLAN FOR EMPLOYEES OF THE CITY OF JONESBORO

ACTUARIAL VALUATION AS OF JANUARY 1, 2011

CONTRIBUTIONS APPLICABLE TO THE PLAN/FISCAL YEAR ENDED DECEMBER 31, 2011

BOARD COPY

Actuaries and Consultants

April 19, 2011

Ben Barylske, Chief Financial Officer City of Jonesboro 515 W. Washington Ave. Jonesboro, AR 72401

Re: Retirement Plan for Employees of the City of Jonesboro

Dear Ben:

We are pleased to present to the Board this report of the annual actuarial valuation of the Retirement Plan for Employees of the City of Jonesboro. The valuation was performed to determine whether the assets and contributions are sufficient to provide the prescribed benefits and to develop the appropriate funding requirements for the applicable plan year.

The valuation has been conducted in accordance with generally accepted actuarial principles and practices, including the applicable Actuarial Standards of Practice as issued by the Actuarial Standards Board, as well as applicable federal laws and regulations. In our opinion, the assumptions used in this valuation, as adopted by the Board of Trustees, represent reasonable expectations of anticipated plan experience.

In conducting the valuation, we have relied on personnel, plan design, and asset information supplied by the Board of Trustees, financial reports prepared by the custodian bank and the actuarial assumptions and methods described in the Actuarial Assumptions section of this report. While we cannot verify the accuracy of all this information, the supplied information was reviewed for consistency and reasonableness. As a result of this review, we have no reason to doubt the substantial accuracy of the information and believe that it has produced appropriate results. This information, along with any adjustments or modifications, is summarized in various sections of this report.

The undersigned is familiar with the immediate and long-term aspects of pension valuations, and meets the Qualification Standards of the American Academy of Actuaries necessary to render the actuarial opinions contained herein. All of the sections of this report are considered an integral part of the actuarial opinions.

Ben Barylske April 19, 2011 Page Two

To our knowledge, no associate of Foster & Foster, Inc. working on valuations of the program has any direct financial interest or indirect material interest in the City of Jonesboro, nor does anyone at Foster & Foster, Inc. act as a member of the Board of Trustees of the Retirement Plan for Employees of the City of Jonesboro. Thus, there is no relationship existing that might affect our capacity to prepare and certify this actuarial report.

If there are any questions, concerns, or comments about any of the items contained in this report, please contact me at 847-325-5582.

Respectfully submitted,

Foster & Foster, Inc.

Rv.

Jason L. Franken

Enrolled Actuary #11-6888

JLF/Isw

Enclosures

TABLE OF CONTENTS

Section	Title	Page
ı	Introduction	
	a. Summary of Report	1
	b. Changes Since Prior Valuation	3
	c. Comparative Summary of Principal Valuation Results	4
II	Valuation Information	
	a. Development of January 1, 2010 Amortization Payment	9
	b. Projection of Benefit Payments	10
	c. Actuarial Assumptions and Funding Methods	11
	d. Valuation Notes	12
III	Trust Fund	14
IV	Member Statistics	
	a. Eligibility for Retirement	16
	b. Statistical Data	17
	c. Age and Service Distribution	18
	d. Member Reconciliation	19
V	Summary of Plan Provisions	20
VI	Governmental Accounting Standards Board Statements No. 25 and No. 27 Disclosure Information	22

SECTION I

SUMMARY OF REPORT

The regular annual actuarial valuation of the Retirement Plan for Employees of the City of Jonesboro, performed as of January 1, 2011, has been completed and the results are presented in this Report. The contribution amounts set forth herein are applicable to the plan/fiscal year ended December 31, 2011.

The contribution requirements, compared with those set forth in the January 1, 2010 actuarial valuation, are as follows:

Valuation Date Applicable Plan/Fiscal Year End	1/1/2010 <u>12/31/2010</u>	1/1/2011 12/31/2011
Total Required Contribution % of Total Annual Payroll	\$690,346 9.2%	\$625,256 8.6%

During the last twelve months, the experience has been more favorable than expected, relative to the Plan's actuarial assumptions. The primary sources of favorable experience included a 11.0% investment return (Market Value Basis), exceeding the 7.5% assumption, and average increases in Pensionable Compensation that were less than the assumed rate by more than 2%.

The balance of this Report presents additional details of the actuarial valuation and the general operation of the Fund. The undersigned would be pleased to meet with the Board of Trustees in order to discuss the Report and answer any pending questions concerning its contents.

Respectfully submitted,

FOSTER & FOSTER, INC.

Jashn | Franken FSA FA MA

By: Yww / Yw Douglas H. Lozen

Plan Changes Since Prior Valuation

No plan changes have been made since the prior valuation.

Actuarial Assumption/Method Changes Since Prior Valuation

No assumption or method changes have been made since the prior valuation.

Comparative Summary of Principal Valuation Results

A. Participant Data	<u>1/1/2011</u>	1/1/2010
Number Included Actives Service Retirees Beneficiaries Terminated Vested	211 43 2 55	219 43 2 52
Total	311	316
Total Annual Payroll Payroll Under Assumed Ret. Age	\$7,318,088 7,083,762	\$7,487,589 7,322,612
Annual Rate of Payments to: Service Retirees Beneficiaries Terminated Vested	244,537 3,834 213,256	244,537 3,834 197,612
B. Assets		
Actuarial Value Market Value	8,000,458 8,000,458	6,776,314 6,776,314
C. Liabilities		
Present Value of Benefits Active Members Retirement Benefits Death Benefits Vested Benefits Refund of Contributions Service Retirees Beneficiaries Terminated Vested	8,579,511 1,837 1,447,145 0 2,250,568 31,176 795,626	8,256,281 2,062 1,430,105 0 2,306,723 32,091 729,409
Total	13,105,863	12,756,671

C. Liabilities - (Continued)	<u>1/1/2011</u>	<u>1/1/2010</u>
Present Value of Future Salaries	66,416,339	70,269,556
Present Value of Future Member Cont.	0	0
Normal Cost (Entry Age Normal) Retirement Benefits Death Benefits Vested Benefits Refund of Contributions	377,493 74 76,792 0	395,515 90 78,443 0
Total Normal Cost	454,359	474,048
Present Value of Future Normal Costs	3,922,047	4,278,240
Actuarial Accrued Liability (Entry Age Norm Retirement Benefits Death Benefits Vested Benefits Refund of Contributions Inactives	nal) 5,412,092 1,277 693,077 0 3,077,370	4,765,401 1,404 643,403 0 3,068,223
Total Actuarial Accrued Liability	9,183,816	8,478,431
Unfunded Actuarial Accrued Liab (UAAL)	1,183,358	1,702,117
D. Actuarial Present Value of Accrued Benefi	ts	
Vested Accrued Benefits Inactives Actives Member Contributions	3,077,370 3,127,616 64,653	3,068,223 2,594,250 69,130
Total	6,269,639	5,731,603
Non-vested Accrued Benefits	333,720	310,960
Total Present Value Accrued Benefits	6,603,359	6,042,563
Increase (Decrease) in Present Value of Accrued Benefits Attributable to: Plan Amendments Assumption Changes New Accrued Benefits Benefits Paid Interest Other Total:	0 0 355,661 (239,091) 444,226 0 560,796	
rotal.	500,790	

Valuation Date Applicable to Fiscal Year Ending	1/1/2011 <u>12/31/2011</u>	1/1/2010 <u>12/31/2010</u>
E. Pension Cost		
Normal Cost (with interest) % of Total Annual Payroll*	\$488,436 6.7	\$509,602 6.8
Administrative Expense (with interest) % of Total Annual Payroll*	36,624 0.5	36,624 0.5
Payment Required to Amortize Unfunded Actuarial Accrued Liability over 30 years (as of 01/1/2011) % of Total Annual Payroll*	100,196 1.4	144,120 1.9
Total Required Contribution % of Total Annual Payroll*	625,256 8.6	690,346 9.2
Expected Member Contributions % of Total Annual Payroll*	0.0	0 0.0
Expected City Contribution % of Total Annual Payroll*	625,256 8.6	690,346 9.2
5 D 10 13 1		

F. Past Contributions

G. Net Actuarial Gain (Loss)

Plan Year Ending:	<u>12/31/2010</u>
Total Required Contribution City Requirement	690,346 690,346
Actual Contributions Made:	
Members City	0 690,346
Total	690,346

^{*} Contributions developed as of 01/1/11 are expressed as a percentage of Total Annual Payroll at 01/1/11 of \$7,318,088.

466,951

H. Schedule Illustrating the Amortization of the Total Unfunded Actuarial Accrued Liability as of:

<u>Year</u>	Projected Unfunded Accrued Liability
2011	\$1,183,358
2012	1,171,913
2013	1,159,610
2018	1,082,789
2023	972,504
2033	586,875
2041	0

I. (i) 3 Year Comparison of Actual and Assumed Increases in Pensionable Compensation

		<u>Actual</u>	<u>Assumed</u>
Year Ended Year Ended	12/31/2010 12/31/2009	2.2% N/A	4.5% 4.5%
Year Ended	12/31/2008	N/A	4.5%

(ii) 3 Year Comparison of Investment Return on Actuarial Value

		<u>Actual</u>	<u>Assumed</u>
Year Ended	12/31/2010	11.0%	7.5%
Year Ended	12/31/2009	18.9%	7.5%
Year Ended	12/31/2008	N/A	7.5%

Statement by Enrolled Actuary

This actuarial valuation was prepared and completed by me or under my direct supervision, and I acknowledge responsibility for the results. To the best of my knowledge, the results are complete and accurate, and in my opinion, the techniques and assumptions used are reasonable and adhere to the Actuarial Standards of Practice. There is no benefit or expense to be provided by the plan and/or paid from the plan's assets for which liabilities or current costs have not been established or otherwise taken into account in the valuation. All known events or trends which may require a material increase in plan costs or required contribution rates have been taken into account in the valuation.

Jason L. Franken, FSA, EA, MAAA

Enrolled Actuary #11-6888

Geron S. Front

SECTION II VALUATION INFORMATION

Reconciliation of Unfunded Actuarial Accrued Liabilities

(1)	Unfunded Actuarial Accrued Liability as of January 1, 2010	\$1,702,117
(2)	Sponsor Normal Cost developed as of January 1, 2010	474,048
(3)	Expected Administrative expenses for the fiscal year ended December 31, 2010	34,069
(4)	Interest on (1), (2) and (3)	164,490
(5)	Sponsor Contributions to the System during the year ending December 31, 2010	690,346
(6)	Interest on (4)	0
(7)	Expected UAAL as of January 1, 2011 (1)+(2)+(3)+(4)-(5)-(6)	1,684,378
(8)	Change in UAAL Due to Actuarial (Gain)/Loss	(466,951)
(9)	Unfunded Accrued Liability as of January 1, 2011	\$1,183,358

	Date	Years	1/1/2011	Amortization
	Established	Remaining	Amount	Amount
UAAL	1/1/2011	30	\$1,183,358	\$93,206

Projection of Benefit Payments

Year	Payments for Current Actives	Payments for Current Inactives	Total Payments
2011	46,220	247,187	293,407
2012	62,360	253,524	315,884
2013	91,488	250,154	341,642
2014	138,605	246,108	384,714
2015	160,960	245,024	405,983
2016	203,026	251,099	454,125
2017	266,066	257,998	524,064
2018	294,579	264,280	558,859
2019	390,387	269,057 272,602	659,445
2020 2021	468,748 563 553	272,602 264,720	741,351
2021	563,553 715,181	264,720 260,007	828,273
2023	741,631	269,907 270,996	985,088 1,012,627
2024	800,796	261,285	1,062,080
2025	1,001,543	250,597	1,252,140
2026	1,031,688	238,012	1,269,700
2027	1,111,014	228,405	1,339,419
2028	1,179,308	223,845	1,403,153
2029	1,262,693	214,546	1,477,239
2030	1,286,474	205,212	1,491,685
2031	1,313,762	195,152	1,508,915
2032	1,450,977	189,562	1,640,538
2033	1,503,287	185,722	1,689,008
2034	1,574,697	187,014	1,761,711
2035	1,683,570	183,327	1,866,896
2036	1,816,476	172,880	1,989,357
2037	2,091,829	166,719	2,258,547
2038	2,086,700	154,395	2,241,096
2039 2040	2,111,521 2,073,493	145,436 137,540	2,256,957 2,211,033
2040	2,073,493 2,114,266	128,207	2,242,473
2041	2,163,736	130,564	2,294,300
2042	2,160,874	121,598	2,282,472
2044	2,187,966	115,409	2,303,375
2045	2,273,150	106,663	2,379,813
2046	2,245,887	99,449	2,345,336
2047	2,200,939	92,289	2,293,228
2048	2,188,748	86,020	2,274,769
2049	2,222,589	79,757	2,302,346
2050	2,203,248	73,678	2,276,926

ACTUARIAL ASSUMPTIONS AND FUNDING METHODS

<u>Assumptions</u>

Mortality Rate	2009 IRS Prescribed Mortality Optional Combined Table for Small Plans
Interest Rate	7.5% per year compounded annually, net of investment related expenses
Retirement Age	100% retiring at age 65.
Termination Rate	2003 Society of Actuaries Small Plan Age Table, multiplied by 0.60. See below.
Salary Increases	4.5% per year until the assumed Retirement Age.
Administrative Expenses	\$34,069
Disability	None
Interest Rate for Member Contributions	2.95%

<u>Age</u>	% Terminating <u>During the Year</u>
20	14.58%
30	9.30
40	5.64
50	3.36

Funding Method

Entry Age Normal Actuarial Cost Method.

Actuarial Asset Method

Market Value of Assets

Amortization Method Level Dollar, Open

VALUATION NOTES

<u>Total Annual Payroll</u> is the projected annual rate of pay for the fiscal year following the valuation date of all covered Members.

<u>Present Value of Benefits</u> is the single sum value on the valuation date of all future benefits to be paid to current Members, Retirees, Beneficiaries and Vested Terminations.

Normal (Current Year's) Cost is the current year's cost for benefits yet to be funded.

<u>Unfunded Accrued Liability</u> is a liability which arises when a pension plan is initially established or improved and such establishment or improvement is applicable to all years of past service.

<u>Total Required Contribution</u> is equal to the Normal Cost plus an amount sufficient to amortize the Unfunded Accrued Liability over no more than 30 years. The required amount is adjusted for interest according to the timing of contributions during the year.

<u>Entry Age Normal Cost Method</u> - Under this method, the normal cost is the sum of the individual normal costs for all active participants. For an active participant, the normal cost is the participant's normal cost accrual rate, multiplied by the participant's current compensation.

(a) The normal cost accrual rate equals:

- (i) the present value of future benefits for the participant, determined as of the participant's entry age, divided by
- (ii) the present value of the compensation expected to be paid to the participant for each year of the participant's anticipated future service, determined as of the participant's entry age.
- (b) In calculating the present value of future compensation, the salary scale is applied both retrospectively and prospectively to estimate compensation in years prior to and subsequent to the valuation year based on the compensation used for the valuation.
- (c) The accrued liability is the sum of the individual accrued liabilities for all participants and beneficiaries. A participant's accrued liability equals the present value, at the participant's attained age, of future benefits less the present value at the participant's attained age of the individual normal costs payable in the future. A beneficiary's accrued liability equals the present value, at the beneficiary's attained age, of future benefits. The unfunded accrued liability equals the total accrued liability less the actuarial value of assets.
- (d) Under this method, the entry age used for each active participant is the participant's age at the time he or she would have commenced participation if the plan had always been in existence under current terms, or the age as of which he or she first earns service credits for purposes of benefit accrual under the current terms of the plan.

SECTION III

TRUST FUND

City of Jonesboro Retirement Plan for Employees

BALANCE SHEET December 31, 2010

ASSETS Cook and Cook Equivalents:	MARKET VALUE
Cash and Cash Equivalents: Cash	853,015.00
Total Cash and Equivalents	853,015.00
Receivable: City Contributions	690,346.00
Total Receivable	690,346.00
Investments: Investment Funds: Fixed Income Equity International Equity	2,489,211.81 3,042,399.37 925,485.60
Total Investments	6,457,096.78
TOTAL ASSETS	8,000,457.78
LIABILITIES AND NET ASSETS	
Total Liabilities	0.00
Net Assets: Active and Retired Members' Equity	8,000,457.78
Total Net Assets	8,000,457.78
TOTAL LIABILITIES AND NET ASSETS	8,000,457.78

City of Jonesboro Retirement Plan for Employees

CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS December 31, 2010 Market Value Basis

INCOME

Contributions: City	690,346.00	
Total Contributions		690,346.00
Total Earnings and Investment Gains		803,656.40
	EXPENSES	
Administrative Expenses: Investment Related*	30,767.15	
Total Expenses		30,767.15
Distributions to Members: Benefit Payments	239,091.11	
Total Distributions		239,091.11
Change in Net Assets for the Year		1,224,144.14
Net Assets Beginning of the Year		6,776,313.64
Net Assets End of the Year		8,000,457.78
*Investment Related expenses include in custodial and performance monitoring fe		

SECTION IV MEMBER STATISTICS

ELIGIBILTY FOR RETIREMENT

Members are eligible for Normal Retirement based upon the following criteria:

1) Attained Age 65 with 5 Years of Accrual Service

Members are eligible for Early Retirement based upon the following criteria:

1.) Attained Age 55 with 5 years of Accrual Service

As of the date of this valuation, the following list of Members are eligible for:

Normal Retirement

Leonard, Royce Simpson, Arvil Ulkarim, Muhammad Vaccari, Phyllis Weaver, Paul

Early Retirement

Adams, Jerry Bryant, Harold Darby, Shirley Dyer, Guy Gann, Linda Gibson, Donnie Graddy, Gordon Hensley, Boyce Hutchison, Earl Jackson, Larry Sr. Johnson, Michael Kent, Steve Lindley, Jesse Lynch, David Mallard, Connie Murray, Daniel Myers, Michael Parnell, Betty Rainwater, Gary Rook, Jean Saddler, Kenneth Sanders, Ronald Sharp, Becky Sharp, Brenda Shaver, Ronnie Small, Bobby Story, Myra Turner, Donald Vickers, Gayle Welbourne, Bradley Wheeley, Eddie

STATISTICAL DATA *

Astina Maraham	1/1/2008	1/1/2009	1/1/2010	1/1/2011
Active Members				
Number Average Current Age Average Age at Employment Average Past Service Average Annual Salary			219 44.8 37.4 7.4 \$34,190	211 45.7 37.5 8.2 \$34,683
Retirees & Beneficiaries				
Number Average Current Age Average Annual Benefit			45 68.8 \$5,519	45 69.8 \$5,519
Terminated Vested Members				
Number Average Current Age Average Annual Benefit			52 45.4 \$3,800	55 46.4 \$3,877

^{*} Data prior to 2010 is not available.

AGE AND SERVICE DISTRIBUTION

PAST SERVICE

AGE	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30+	Total
15 - 19	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	2	1	0	0	0	0	0	0	0	0	0	3
25 - 29	3	1	3	3	7	4	0	0	0	0	0	21
30 - 34	4	4	2	3	3	6	3	0	0	0	0	25
35 - 39	2	0	2	6	3	3	3	1	0	0	0	20
40 - 44	2	1	2	2	5	9	6	4	0	0	0	31
45 - 49	1	1	3	5	2	6	3	1	1	1	0	24
50 - 54	0	3	3	2	2	2	9	3	2	1	0	27
55 - 59	1	0	4	2	2	6	7	3	2	5	0	32
60 - 64	1	1	2	3	0	2	7	0	1	2	0	19
65+	0	0	0	0	3	3	1	0	1	1	0	9
Total	16	12	21	26	27	41	39	12	7	10	0	211

VALUATION PARTICIPANT RECONCILIATION

1. Active lives

a. Number in prior valuation 1/1/2010	219
b. Terminations i. Vested (partial or full) with deferred	3
benefits ii. Non-vested or full lump sum distribution received	20
c. Deaths i. Beneficiary receiving benefits	0
ii. No future benefits payabled. Retirede. Voluntary withdrawal	0
f. Continuing participants g. New entrants	196 15
h. Total active life participants in 01/1/2011 valuation	211

2. Non-Active lives (including beneficiaries receiving benefits)

	Service Retirees, Vested Receiving Benefits	Receiving Death <u>Benefits</u>	Vested <u>Deferred</u>	<u>Total</u>
a. Number prior valuation	43	2	52	97
b. In	0	0	3	3
c. Out	0	0	0	0
d. Nümber current valuation	43	2	55	100

SECTION V SUMMARY OF PLAN PROVISIONS

SUMMARY OF CURRENT PLAN

Eligibility Any full-time employee who is employed for

more than 20 hours per week and more than

five months per year.

Accrual Service Years and fractional parts of years (to the

nearest month) of service as employed by the

City.

Compensation Gross annual compensation, without reduction

for flexible spending account contributions.

Average Compensation The monthly average of the five latest Compen-

sation Years.

Normal Retirement

Date Age 65 and 5 years of Accrual Service.

Benefit 1.5% for each year of Accrual Service times

average compensation. Minimum of \$25 per

month.

Form of Benefit For the Retiree's lifetime with 120 payments

guaranteed.

Early Retirement

Date Age 55 and 5 years of Accrual Service.

Benefit Accrued benefit, reduced 6.7% per year for the

first five years then 3.3% per year for the next

five years.

Form of Benefit For the Retiree's lifetime with 120 payments

guaranteed.

Vesting

Schedule 100% after 5 years of Accrual Service.

Benefit Amount Member will receive the vested portion of

his (her) accrued benefit payable at the

otherwise Normal Retirement Date.

Death Benefit

Benefit 100% refund of Member's contribution account.

SECTION VI

GOVERNMENTAL ACCOUNTING STANDARDS BOARD STATEMENTS NO. 25 AND NO. 27 INFORMATION

DISCLOSURE INFORMATION PER STATEMENT NO. 25 OF THE GOVERNMENTAL ACCOUNTING STANDARDS BOARD

The schedule provided below has been prepared in accordance with the requirements of paragraph 37 of Statement No. 25 of the Governmental Accounting Standards Board.

SCHEDULE OF FUNDING PROGRESS

Actuarial Valuation	Actuarial Value of Assets	Actuarial Accrued Liability (AAL) - Entry Age	Unfunded AAL (UAAL)	Funded Ratio	Covered Payroll	UAAL as a % of Covered Payroll
Date 01/01/11	(a) 8,000,458	(b) 9,183,816	(b-a) 1,183,358	(a/b) 87.1%	7,318,088	((b-a)/c) 16.2%
01/01/10 01/01/09	6,776,314 5,127,195	8,478,431 7,897,648	1,702,117 2,770,453	79.9% 64.9%	7,487,589 8,092,412	22.7% 34.2%

The schedule provided below has been prepared in accordance with the requirements of paragraph 38 of Statement No. 25 of the Governmental Accounting Standards Board.

SCHEDULE OF CONTRIBUTIONS FROM THE EMPLOYER AND OTHER CONTRIBUTING ENTITIES

Year Ended December 31	Annual Required Contribution	City Contribution	Percentage Contributed
2010	690,346	690,346	100.0%
2009	853,015	853,015	100.0%
2008	604,978	604,978	100.0%
2007	512,673	512,673	100.0%
2006	504,064	504,064	100.0%

DISCLOSURE INFORMATION PER STATEMENT NO. 27 OF THE GOVERNMENTAL ACCOUNTING STANDARDS BOARD

ANNUAL PENSION COSTS AND RELATED INFORMATION *

Contribution rates as of 12/31/2010

City Plan Members	690,346 0
Actuarially Determined Contribution	690,346
Contributions made	690,346
Actuarial valuation date	1/1/2010
Actuarial cost method	Entry Age Normal
Amortization method	Level Dollar, Open
Remaining amortization period	30 Years
Asset valuation method	Market
Actuarial assumptions: Investment rate of return Projected salary increase* * Includes inflation at Post Retirement COLA	7.5% 4.5% 3.0% 0.0%

THREE YEAR TREND INFORMATION

Year Ending	Annual Pension Cost (APC)	Percentage of APC Contributed	Net Pension Obligation
12/31/2010	690,346	100%	0
12/31/2009	853,015	100%	0
12/31/2008	604,978	100%	0

			,
			•