RETIREMENT PLAN FOR EMPLOYEES OF THE CITY OF JONESBORO

ACTUARIAL VALUATION AS OF JANUARY 1, 2013

CONTRIBUTIONS APPLICABLE TO THE PLAN/FISCAL YEAR ENDED DECEMBER 31, 2013

August 21, 2013

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.

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 239-433-5500.

Respectfully submitted,

Foster & Foster, Inc.

By:

Jason L. Franken

Enrolled Actuary #11-6888

JLF/lke

Enclosures

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SUMMARY OF REPORT

The regular annual actuarial valuation of the Retirement Plan for Employees of the City of Jonesboro, performed as of January 1, 2013, 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, 2013.

The contribution requirements, compared with those set forth in the January 1, 2012 actuarial valuation, are as follows:

Valuation Date	1/1/2012	1/1/2013
Applicable Plan/Fiscal Year End	<u>12/31/2012</u>	12/31/2013
Total Required Contribution % of Total Annual Payroll	\$0 0.0%	\$0 0.0%

During the last twelve months, the experience has been more favorable than expected, relative to the Plan's actuarial assumptions. The primary source of favorable experience included a 10.7% investment return (Market Value Basis).

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.

Jason L. Franken, FSA, EA, MAAA

Plan Changes Since Prior Valuation

There have been no changes to the Plan since the prior valuation.

Actuarial Assumption/Method Changes Since Prior Valuation

Since the prior valuation, the mortality assumption has been updated from a static table to one with mortality projections through the valuation date in consideration of the Actuarial Standard of Practice regarding mortality improvements. This change had no impact on the funding requirements.

Comparative Summary of Principal Valuation Results

A. Participant Data	New Assump.	Old Assump.	Old Assump.
	1/1/2013	1/1/2013	<u>1/1/2012</u>
Number Included Actives Service Retirees Beneficiaries Terminated Vested	181	181	208
	50	50	45
	4	4	1
	57	57	53
Total	292	292	307
Total Annual Payroll	\$6,533,062	\$6,533,062	\$6,961,498
Payroll Under Assumed Ret. Age	6,260,454	6,260,454	6,593,600
Annual Rate of Payments to: Service Retirees Beneficiaries Terminated Vested	291,185 6,656 208,286	291,185 6,656 208,286	240,434 1,657 184,634
B. Assets			
Actuarial Value	9,056,954	9,056,954	8,422,766
Market Value	9,056,954	9,056,954	8,422,766
C. Liabilities			
Present Value of Benefits Active Members Retirement Benefits Death Benefits Vested Benefits Refund of Contributions Service Retirees Beneficiaries Terminated Vested	2,967,051	2,943,919	3,375,038
	1,552	1,639	1,816
	580,806	575,733	625,042
	0	0	0
	2,591,453	2,573,341	2,197,494
	126,393	125,646	13,068
	836,276	829,266	762,007
Total	7,103,531	7,049,544	6,974,465

C. Liabilities - (Continued)	New Assump. 1/1/2013	Old Assump. 1/1/2013	Old Assump. <u>1/1/2012</u>
Present Value of Future Salaries	58,249,419	58,209,096	61,365,448
Present Value of Future Member Cont.	0	0	0
Normal Cost Retirement Benefits Death Benefits Vested Benefits Refund of Contributions	0 0 0 0	0 0 0 0	0 0 0 0
Total Normal Cost	0	0	0
Present Value of Future Normal Costs	0	0	0
Actuarial Accrued Liability Retirement Benefits Death Benefits Vested Benefits Refund of Contributions Inactives	2,967,051 1,552 580,806 0 3,554,122	2,943,919 1,639 575,733 0 3,528,253	3,375,038 1,816 625,042 0 2,972,569
Total Actuarial Accrued Liability	7,103,531	7,049,544	6,974,465
Unfunded Actuarial Accrued Liab (UAAL)	(1,953,423)	(2,007,410)	(1,448,301)
D. Actuarial Present Value of Accrued Benefits			
Vested Accrued Benefits Inactives Actives Member Contributions	3,554,122 3,355,631 57,794	3,528,253 3,328,594 57,794	2,972,569 3,648,082 64,653
Total	6,967,547	6,914,641	6,685,304
Non-vested Accrued Benefits	135,984	134,903	289,161
Total Present Value Accrued Benefits	7,103,531	7,049,544	6,974,465
Increase (Decrease) in Present Value of Accrued Benefits Attributable to: Plan Amendments Assumption Changes New Accrued Benefits Benefits Paid Interest Other	53,987 0 0 0	0 0 (183,974) (254,488) 513,542 0	
Total:	53,987	75,079	

Valuation Date Applicable to Fiscal Year Ending	New Assump. 1/1/2013 12/31/2013	Old Assump. 1/1/2013 12/31/2013	Old Assump. 1/1/2012 <u>12/30/2012</u>
E. Pension Cost			
Normal Cost (with interest) % of Total Annual Payroll*	\$0 0.0	\$0 0.0	\$0 0.0
Administrative Expense (with interest) % of Total Annual Payroll*	36,624 0.6	36,624 0.6	36,624 0.6
Payment Required to Amortize Unfunded Actuarial Accrued Liability over 30 years (as of 1/1/2013) % of Total Annual Payroll*	(165,398) (2.6)	(169,970) (2.7)	(122,630) (1.9)
Total Required Contribution % of Total Annual Payroll*	0 0.0	0 0.0	0 0.0
Expected Member Contributions % of Total Annual Payroll*	0 0.0	0 0.0	0.0
Expected City Contribution % of Total Annual Payroll*	0 0.0	0.0	0 0.0
F. Past Contributions			
Plan Year Ending:	12/31/2012		
Total Required Contribution City Requirement	0		
Actual Contributions Made:			
Members City Total	0 0		

^{*} Contributions developed as of 1/1/2013 are expressed as a percentage of Payroll Under Assumed Retirement Age at 1/1/2013 of \$6,260,454.

485,833

G. Net Experience Gain (Loss)

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

		<u>Actual</u>	<u>Assumed</u>
Year Ended	12/31/2012	4.7%	4.5%
Year Ended	12/31/2011	5.8%	4.5%
Year Ended	12/31/2010	2.2%	4.5%

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

		<u>Actual</u>	<u>Assumed</u>
Year Ended	12/31/2012	10.7%	7.5%
Year Ended	12/31/2011	0.6%	7.5%
Year Ended	12/31/2010	11.0%	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

Gerson S. Front

Enrolled Actuary #11-6888

Reconciliation of Unfunded Actuarial Accrued Liabilities

(1)	Unfunded Actuarial Accrued Liability as of January 1, 2012	(\$1,448,301)
(2)	Sponsor Normal Cost developed as of January 1, 2012	0
(3)	Expected Administrative expenses for the fiscal year ended December 31, 2012	34,069
(4)	Interest on (1), (2) and (3)	(107,345)
(5)	Sponsor Contributions to the System during the year ending December 31, 2012	0
(6)	Interest on (4)	0
(7)	Expected UAAL as of January 1, 2013 (1)+(2)+(3)+(4)-(5)-(6)	(1,521,577)
(8)	Change in UAAL due to Experience Gain Change in UAAL due to Assumption Change	(485,833) 53,987
(9)	Unfunded Accrued Liability as of January 1, 2013	(\$1,953,423)

-	Date	Years	1/1/2013	Amortization
	Established	Remaining	Amount	Amount
UAAL	1/1/2013	30	(\$1,953,423)	(\$153,859)

Projection of Benefit Payments

Year	Payments for	Payments for	Total
	Current Actives	Current Inactives	Payments
2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2033	55,932 70,169 81,530 90,635 130,201 143,736 181,866 219,623 262,387 325,915 323,253 340,286 408,511 416,228 439,416 448,523 463,567 458,234 454,390 461,329 461,329 461,490 461,826 466,781	300,515 296,840 299,425 301,313 308,489 306,813 312,153 303,928 295,658 306,124 304,466 294,654 283,243 271,138 261,273 256,979 249,986 242,022 231,325 224,324 222,296 222,325 222,117	356,447 367,008 380,955 391,948 438,689 450,549 494,019 523,551 558,046 632,039 627,719 634,940 691,754 687,365 700,689 705,502 713,553 700,257 685,715 685,653 683,786 684,151 688,898
2036	479,280	209,940	689,221
2037	491,145	209,339	700,484
2038	479,573	195,125	674,697
2039	461,960	181,693	643,653
2040	444,054	171,770	615,824
2041	430,702	163,784	594,486
2042	417,545	164,311	581,856
2043	400,531	153,143	553,675
2044	382,167	145,268	527,435
2045	369,889	134,187	504,076
2046	351,519	128,066	479,585
2047	324,421	123,467	447,888
2048	313,239	115,596	428,836
2049	300,534	108,173	408,707
2050	284,170	100,745	384,915
2051	265,242	93,474	358,716
2052	244,796	85,006	329,802

ACTUARIAL ASSUMPTIONS AND METHODS

Mortality Rate IRS Prescribed Mortality Optional

Combined Table for Small Plans as of

the valuation date.

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

Interest Rate for

Member Contributions 2.95%

Funding Method Projected Unit Credit Cost Method

Actuarial Asset Method Market Value of Assets

Amortization Method Level Dollar, Open

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

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>Projected Unit Credit Cost Method</u> - Under this method, the normal cost for an active participant is the present value of the projected increase in the benefit earned during the year. The total normal cost is the sum of the individual normal costs for all active participants.

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 the accrued benefits with projections made for salary increases. 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.

Retirement Plan for Employees of the City of Jonesboro

BALANCE SHEET December 31, 2012

ASSETS	MARKET VALUE
Cash and Cash Equivalents: Money Market Cash	131,382.57 361.31
Total Cash and Equivalents	131,743.88
Investments: Mutual Funds: Principal Fixed Income Equity International Equity Pooled/Common/Commingled Funds: Stephens Fixed Income Equity	2,574,822.34 3,282,558.84 930,595.70 680,716.30 1,456,517.25
Total Investments	8,925,210.43
TOTAL ASSETS	9,056,954.31
LIABILITIES AND NET ASSETS	
Total Liabilities	0.00
Net Assets	9,056,954.31
TOTAL LIABILITIES AND NET ASSETS	9,056,954.31

Retirement Plan for Employees of the City of Jonesboro

CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS December 31, 2012 Market Value Basis

REVENUES

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Con	trit	utic	ns:

Total Contributions		0.00
Earnings from Investments Interest & Dividends Unrealized Gain (Loss)	62,744.7 853,488.2	
Total Earnings and Investment Gains		916,233.00
Evnonoo	EXPENDITURES	
Expenses: Investment Related*	27,556.5	7
Total Expenses		27,556.57
Distributions to Members: Benefit Payments Termination Payments	254,080.6 407.8	
Total Distributions		254,488.45
Change in Net Assets for the Year		634,187.98
Net Assets Beginning of the Year		8,422,766.33
Net Assets End of the Year		9,056,954.31

*Investment Related expenses include investment advisory, custodial and performance monitoring fees.

ELIGIBILITY FOR RETIREMENT

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

Attained Age 65 with 5 Years of Accrual Service

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

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

Hathcoat, Joe Jackson, Larry Sr. Leonard, Royce McFarland, Jessie Vaccari, Phyllis Watts, Major Weaver, Paul

Early Retirement

Bryant, Harold Cardwell, William Clayton, Richard Cofield, Arthur Darby, Shirley Dyer, Guy Edwards, Michael Gann, Linda Gibson, Donnie Graddy, Gordon Haggard, William Holt, Tommie Hosier, David Hutchison, Earl Kent, Steve Lodholtz, Sally Lynch, David Mallard, Connie McKeel, Joe Murray, Daniel Myers, Michael Parnell, Betty Rainwater, Gary Roark, Gloria Saddler, Kenneth Sanders, Ronald Sharp, Becky Shaver, Ronnie Shaver, Teresa Small, Bobby Sparks, Thomas Story, Myra Sumrall, Rebecca Turner, Donald Wheeley, Eddie Williams, Leo Wilson, Lezle

STATISTICAL DATA

	1/1/2010	1/1/2011	1/1/2012	1/1/2013
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	208 46.2 37.5 8.7 \$33,469	181 47.4 37.6 9.8 \$36,094
Retirees & Beneficiaries				
Number Average Current Age Average Annual Benefit	45 68.8 \$5,519	45 69.8 \$5,519	46 69.8 \$5,263	54 69.2 \$5,516
Terminated Vested Members				
Number Average Current Age Average Annual Benefit	52 45.4 \$3,800	55 46.4 \$3,877	53 47.1 \$3,484	57 48.1 \$3,654

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	0	0	1	1	0	0	0	0	0	0	0	2
25 - 29	0	4	1	0	3	6	0	0	0	0	0	14
30 - 34	0	2	2	0	0	8	3	0	0	0	0	15
35 - 39	0	1	2	3	2	8	0	1	0	0	0	17
40 - 44	0	3	1	0	0	7	10	5	0	0	0	26
45 - 49	0	1	2	0	1	11	4	0	3	0	0	22
50 - 54	0	2	0	1	3	5	10	3	1	2	0	27
55 - 59	0	1	1	1	5	8	6	2	4	4	0	32
60 - 64	0	2	0	1	0	2	7	3	1	1	0	17
65+	0	0	1	0	1	4	0	1	1	1	0	9
Total	0	16	11	7	15	59	40	15	10	8	0	181

VALUATION PARTICIPANT RECONCILIATION

1. Active lives

a. Number in prior valuation 1/1/2012	208
b. Terminations i. Vested (partial or full) with deferred	6
benefits ii. Non-vested or full lump sum distribution received	13
c. Deaths i. Beneficiary receiving benefits ii. No future benefits payable	0
d. Retired e. Voluntary withdrawal	8
f. Continuing participants g. New entrants	181 0
h. Total active life participants in 1/1/2013 valuation	181

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

	Service Retirees, Vested Receiving <u>Benefits</u>	Receiving Death <u>Benefits</u>	Vested <u>Deferred</u>	<u>Total</u>
a. Number prior valuation	45	1	53	99
b. In	9	3	6	18
c. Out	4	0	2	6
d. Number current valuation	50	4	57	111

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 through December 31, 2011.

<u>Compensation</u> Gross annual compensation, without reduction

for flexible spending account contributions.

Average Compensation The monthly average of the five latest Compen-

sation Years through December 31, 2011.

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.

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

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

SCHEDULE OF FUNDING PROGRESS

	UAAL as	a % of	Covered	Payroll	((p-a)/c)	-29.9%	-20.8%	16.2%	22.7%
			Covered	Payroll	(0)	6,533,062	6,961,498	7,318,088	7,487,589
			Funded	Ratio	(a/b)	127.5%	120.8%	87.1%	%6.62
		Unfunded	AAL	(UAAL)	(b-a)	(1,953,423)	(1,448,301)	1,183,358	1,702,117
Actuarial	Accrued	Liability	(AAL)	- PUC*	(q)	7,103,531	6,974,465	9,183,816	8,478,431
		Actuarial	Value of	Assets	(a)	9,056,954	8,422,766	8,000,458	6,776,314
			Actuarial	Valuation	Date	1/1/2013	1/1/2012	1/1/2011	1/1/2010

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

SCHEDULE OF CONTRIBUTIONS FROM THE EMPLOYER AND OTHER CONTRIBUTING ENTITIES

Percentage Contributed	N/A 100.0% 100.0% 100.0%
City	0 625,256 690,346 853,015 604,978
Annual Required Contribution	0 625,256 690,346 853,015 604,978
Year Ended December 31	2012 2011 2010 2009 2008

*The AAL was determined using the Entry Age Normal Cost method prior to 1/1/12.

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

ANNUAL PENSION COSTS AND RELATED INFORMATION *

Contribution rates as of 12/31/2012

City Plan Members	0
Actuarially Determined Contribution	0
Contributions made	0
Actuarial valuation date	1/1/2012
Actuarial cost method	Projected Unit Credit
Amortization method	Level Dollar, Open
Remaining amortization period	30 Years
Asset valuation method	Market
Actuarial assumptions:	
Investment rate of return	7.5%
Projected salary increase*	4.5%
* Includes inflation at	3.0%
Post Retirement COLA	0.0%

THREE YEAR TREND INFORMATION

Year Ending	Annual Pension Cost (APC)	Percentage of APC Contributed	Net Pension Obligation
12/31/2012	0	N/A	0
12/31/2011	625,256	100%	0
12/31/2010	690,346	100%	0