



The Initial Valuation For
Town of Carrollton
as of May 31, 2024



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July 19, 2024

Town of Carrollton
Carrollton, Missouri

Ladies and Gentlemen:

Submitted in this report are the results of the actuarial valuation prepared to determine the employer contribution rates required to support, for your employees, the benefits provided by the Missouri Local Government Employees Retirement System (LAGERS). This report contains the information needed to comply with Missouri State disclosure requirements regarding the adoption of LAGERS benefits by a political subdivision (Sections 105.660 - 106.685 RSMo). This report should not be relied on for any purpose other than the purposes described herein. Determinations of financial results, associated with the benefits described in this report, for purposes other than those identified above may be significantly different.

This report was prepared at the request of the political subdivision and is intended for use by the political subdivision and those designated or approved by the political subdivision. This report may be provided to parties other than the political subdivision only in its entirety and only with the permission of the political subdivision. GRS is not responsible for unauthorized use of this report.

The contribution requirement for benefits likely to accrue as a result of the future service of your employees is described on pages 4 thru 7 as the current cost plus the disability cost. This contribution rate, expressed as a percent of active employee payroll, will depend on the benefit program adopted.

The contribution requirement to pay for benefits likely to result from service rendered by your employees before you join LAGERS is described on pages 4 thru 7 as the prior service cost rate. The value established for prior service is called the unfunded actuarial accrued liability (these amounts are further described in Appendix I). The prior service cost rate is the rate of contribution designed to pay for the unfunded actuarial accrued liability over a period of not more than 30 years.

Section 70.730 of the Revised Statutes of Missouri requires participating employers to contribute the normal cost rate, casualty rate, and prior service cost rate (the total employer contribution rate as shown on pages 4 thru 7). These contributions are mandatory after official action has been taken to join the System.

The total annual dollar costs shown on pages 8 thru 10 represent the dollar cost of each benefit program for a one year period based on the payroll reported for this actuarial valuation. In budgeting amounts for LAGERS contributions you should consider any changes in payroll which have been made since data was submitted for the valuation and any changes anticipated to be made before the end of the period for which you are preparing the budget.

The actuarial assumptions and methods used to determine the stated costs are described in Appendix II of this report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 29, 2024.

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The computed contributions required for LAGERS participation will permit the System to continue to operate in accordance with the actuarial principles of level cost financing and the State law which governs LAGERS. This valuation assumed the ability of the plan sponsor to make the contributions necessary to fund this plan. A determination regarding whether or not the plan sponsor is actually able to do so is outside our expertise and not performed. Summary provisions of the law as well as benefit illustrations can be found in Appendices III and IV.

Projections needed to comply with Missouri State disclosure requirements (Section 105.665 of the RSMo) regarding the adoption of LAGERS benefits by a political subdivision are available upon request from LAGERS.

Please note that this entire report must be available as public information for at least 45 calendar days prior to the date final official action is taken by your governing body to join the System. You may wish to make notice of this report in the official minutes of the next meeting of your governing body. This action would not be binding on your subdivision, yet would establish the beginning date of the 45 day waiting period.

In accordance with LAGERS Board policy, the employer contribution rates established by this valuation report are valid for purposes of joining the System for a two year period from the date of this valuation which was May 31, 2024. The valuation was based on data furnished from your records concerning individual employees (see Appendix V).

This report includes risk commentary in Appendix VI, but does not include a more robust assessment of the risks of future experience not meeting the actuarial assumptions. Additional assessment of risks was outside the scope of this assignment.

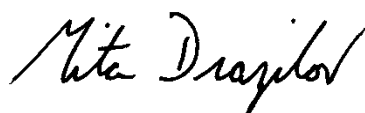
If you have any questions concerning this report or LAGERS in general, please contact the LAGERS office in Jefferson City.

This report has been prepared by actuaries who have substantial experience valuing public employee retirement systems. To the best of our knowledge the information contained in this report is accurate and fairly presents the actuarial position of the political subdivision as of the valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, with the actuarial standards of practice issued by the Actuarial Standards Board, and with applicable statutes.

Mita D. Drazilov is a member of the American Academy of Actuaries and meets the Qualification Standards of the Academy of Actuaries to render the actuarial opinions contained herein.

The signing actuary is independent of the plan sponsor.

Respectfully submitted,
Gabriel, Roeder, Smith & Company



Mita D. Drazilov, ASA, FCA, MAAA



Alternate Plan Provisions Affecting Employer Contribution Rates

The law governing LAGERS provides for a member contribution rate of either 0%, 2%, 4% or 6%, with benefits based on either a 5 year or 3 year Final Average Salary (FAS).

Member Contribution Rate - 0% Plan. Under the 0% plan, there is no individual employee contribution to the plan, no individual account maintained for each employee, and no refund paid to employees who terminate before being eligible for a benefit.

Member Contribution Rate - 2%, 4% or 6% Plan. Under any plan other than 0%, each covered member contributes a percentage of compensation to LAGERS. If an employee terminates before being eligible for an immediate benefit, the member's contributions, plus any interest credited to the member's individual account, are refunded upon request.

The law further provides for nine different benefit programs (benefit formula factors) and allows an employer to elect "rule of 80" eligibility for benefits. Under the rule of 80, employees are eligible for unreduced benefits at the earlier of (i) attainment of their minimum service retirement age or (ii) such time as their years of age plus years of LAGERS credited service equals 80.

In total this allows for 144 different combinations of benefit plans, giving employers considerable latitude in designing the retirement program which they feel best suits their particular situation.

The applicable combinations of these items may be changed from time to time, however, there are limitations on the frequency of changes. A more detailed description of plan provisions may be found in Appendix III of this report.

Town of Carrollton

Employer Contribution Rates 5 Year FAS - Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	6.70%	0.20%	5.70%	12.60%	10.70%	8.80%	6.90%
	Police	7.70	0.40	1.30	9.40	7.50	5.60	3.70
	Fire	7.70	0.60	7.30	15.60	13.70	11.80	9.90
L-3	General	8.20	0.30	7.20	15.70	13.80	11.90	10.00
	Police	9.40	0.50	1.60	11.50	9.60	7.70	5.80
	Fire	9.50	0.70	9.10	19.30	17.40	15.50	13.60
LT-4(65)	General	7.40	0.20	6.30	13.90	12.00	10.10	8.20
	Police	9.30	0.40	1.50	11.20	9.30	7.40	5.50
	Fire	9.50	0.60	9.40	19.50	17.60	15.70	13.80
LT-5(65)	General	8.70	0.30	7.60	16.60	14.70	12.80	10.90
	Police	10.60	0.50	1.80	12.90	11.00	9.10	7.20
	Fire	10.80	0.70	10.60	22.10	20.20	18.30	16.40
L-7	General	9.60	0.30	8.60	18.50	16.60	14.70	12.80
	Police	11.10	0.60	1.90	13.60	11.70	9.80	7.90
	Fire	11.20	0.80	10.90	22.90	21.00	19.10	17.20
LT-8(65)	General	9.90	0.30	8.90	19.10	17.20	15.30	13.40
	Police	11.90	0.60	2.00	14.50	12.60	10.70	8.80
	Fire	12.10	0.80	11.90	24.80	22.90	21.00	19.10
L-12	General	11.10	0.40	10.10	21.60	19.70	17.80	15.90
	Police	12.80	0.70	2.20	15.70	13.80	11.90	10.00
	Fire	12.90	0.90	12.70	26.50	24.60	22.70	20.80
LT-14(65)	General	11.20	0.40	10.20	21.80	19.90	18.00	16.10
	Police	13.20	0.70	2.30	16.20	14.30	12.40	10.50
	Fire	13.30	0.90	13.20	27.40	25.50	23.60	21.70
L-6	General	12.50	0.50	11.50	24.50	22.60	20.70	18.80
	Police	14.50	0.80	2.50	17.80	15.90	14.00	12.10
	Fire	14.60	1.00	14.50	30.10	28.20	26.30	24.40

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

Town of Carrollton

Employer Contribution Rates 3 Year FAS - Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	6.90%	0.20%	5.90%	13.00%	11.10%	9.20%	7.30%
	Police	7.90	0.40	1.30	9.60	7.70	5.80	3.90
	Fire	8.00	0.60	7.50	16.10	14.20	12.30	10.40
L-3	General	8.40	0.30	7.40	16.10	14.20	12.30	10.40
	Police	9.70	0.50	1.60	11.80	9.90	8.00	6.10
	Fire	9.80	0.70	9.40	19.90	18.00	16.10	14.20
LT-4(65)	General	7.60	0.20	6.50	14.30	12.40	10.50	8.60
	Police	9.60	0.40	1.60	11.60	9.70	7.80	5.90
	Fire	9.80	0.60	9.70	20.10	18.20	16.30	14.40
LT-5(65)	General	8.90	0.30	7.80	17.00	15.10	13.20	11.30
	Police	10.90	0.50	1.90	13.30	11.40	9.50	7.60
	Fire	11.10	0.70	11.00	22.80	20.90	19.00	17.10
L-7	General	9.90	0.30	8.90	19.10	17.20	15.30	13.40
	Police	11.50	0.60	1.90	14.00	12.10	10.20	8.30
	Fire	11.50	0.80	11.20	23.50	21.60	19.70	17.80
LT-8(65)	General	10.30	0.30	9.20	19.80	17.90	16.00	14.10
	Police	12.30	0.60	2.10	15.00	13.10	11.20	9.30
	Fire	12.50	0.80	12.30	25.60	23.70	21.80	19.90
L-12	General	11.40	0.40	10.40	22.20	20.30	18.40	16.50
	Police	13.20	0.70	2.30	16.20	14.30	12.40	10.50
	Fire	13.30	0.90	13.10	27.30	25.40	23.50	21.60
LT-14(65)	General	11.60	0.40	10.50	22.50	20.60	18.70	16.80
	Police	13.60	0.70	2.30	16.60	14.70	12.80	10.90
	Fire	13.80	0.90	13.70	28.40	26.50	24.60	22.70
L-6	General	12.90	0.50	11.90	25.30	23.40	21.50	19.60
	Police	15.00	0.80	2.60	18.40	16.50	14.60	12.70
	Fire	15.10	1.00	15.00	31.10	29.20	27.30	25.40

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

Town of Carrollton

Employer Contribution Rates 5 Year FAS - Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	7.00%	0.20%	6.40%	13.60%	11.70%	9.80%	7.90%
	Police	7.90	0.40	1.30	9.60	7.70	5.80	3.90
	Fire	8.30	0.60	8.20	17.10	15.20	13.30	11.40
L-3	General	8.50	0.30	8.00	16.80	14.90	13.00	11.10
	Police	9.60	0.50	1.60	11.70	9.80	7.90	6.00
	Fire	10.10	0.70	10.20	21.00	19.10	17.20	15.30
LT-4(65)	General	8.00	0.20	7.80	16.00	14.10	12.20	10.30
	Police	9.70	0.40	1.60	11.70	9.80	7.90	6.00
	Fire	10.70	0.60	11.60	22.90	21.00	19.10	17.20
LT-5(65)	General	9.30	0.30	9.00	18.60	16.70	14.80	12.90
	Police	11.00	0.50	1.80	13.30	11.40	9.50	7.60
	Fire	12.00	0.70	12.80	25.50	23.60	21.70	19.80
L-7	General	10.00	0.30	9.60	19.90	18.00	16.10	14.20
	Police	11.30	0.60	1.90	13.80	11.90	10.00	8.10
	Fire	11.90	0.80	12.30	25.00	23.10	21.20	19.30
LT-8(65)	General	10.60	0.30	10.30	21.20	19.30	17.40	15.50
	Police	12.20	0.60	2.10	14.90	13.00	11.10	9.20
	Fire	13.20	0.80	14.00	28.00	26.10	24.20	22.30
L-12	General	11.60	0.40	11.20	23.20	21.30	19.40	17.50
	Police	13.10	0.70	2.20	16.00	14.10	12.20	10.30
	Fire	13.80	0.90	14.30	29.00	27.10	25.20	23.30
LT-14(65)	General	11.80	0.40	11.50	23.70	21.80	19.90	18.00
	Police	13.50	0.70	2.30	16.50	14.60	12.70	10.80
	Fire	14.40	0.90	15.20	30.50	28.60	26.70	24.80
L-6	General	13.10	0.50	12.80	26.40	24.50	22.60	20.70
	Police	14.80	0.80	2.60	18.20	16.30	14.40	12.50
	Fire	15.60	1.00	16.40	33.00	31.10	29.20	27.30

The cost for the Rule of 80 provision is very dependent upon the age at hire of the employees. If hiring practices in the future differ from those of the past, the cost for this provision could increase or decrease. The cost shown is based on the age and service characteristics of the present group.

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.



Town of Carrollton

Employer Contribution Rates 3 Year FAS - Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	7.20%	0.20%	6.60%	14.00%	12.10%	10.20%	8.30%
	Police	8.10	0.40	1.30	9.80	7.90	6.00	4.10
	Fire	8.50	0.60	8.50	17.60	15.70	13.80	11.90
L-3	General	8.80	0.30	8.30	17.40	15.50	13.60	11.70
	Police	9.90	0.50	1.70	12.10	10.20	8.30	6.40
	Fire	10.40	0.70	10.60	21.70	19.80	17.90	16.00
LT-4(65)	General	8.30	0.20	8.10	16.60	14.70	12.80	10.90
	Police	10.00	0.40	1.70	12.10	10.20	8.30	6.40
	Fire	11.10	0.60	12.00	23.70	21.80	19.90	18.00
LT-5(65)	General	9.60	0.30	9.40	19.30	17.40	15.50	13.60
	Police	11.30	0.50	1.90	13.70	11.80	9.90	8.00
	Fire	12.40	0.70	13.30	26.40	24.50	22.60	20.70
L-7	General	10.40	0.30	9.90	20.60	18.70	16.80	14.90
	Police	11.70	0.60	2.00	14.30	12.40	10.50	8.60
	Fire	12.30	0.80	12.70	25.80	23.90	22.00	20.10
LT-8(65)	General	10.90	0.30	10.60	21.80	19.90	18.00	16.10
	Police	12.70	0.60	2.20	15.50	13.60	11.70	9.80
	Fire	13.60	0.80	14.50	28.90	27.00	25.10	23.20
L-12	General	11.90	0.40	11.60	23.90	22.00	20.10	18.20
	Police	13.50	0.70	2.30	16.50	14.60	12.70	10.80
	Fire	14.20	0.90	14.90	30.00	28.10	26.20	24.30
LT-14(65)	General	12.20	0.40	11.90	24.50	22.60	20.70	18.80
	Police	14.00	0.70	2.40	17.10	15.20	13.30	11.40
	Fire	14.90	0.90	15.70	31.50	29.60	27.70	25.80
L-6	General	13.50	0.50	13.20	27.20	25.30	23.40	21.50
	Police	15.30	0.80	2.60	18.70	16.80	14.90	13.00
	Fire	16.10	1.00	17.00	34.10	32.20	30.30	28.40

The cost for the Rule of 80 provision is very dependent upon the age at hire of the employees. If hiring practices in the future differ from those of the past, the cost for this provision could increase or decrease. The cost shown is based on the age and service characteristics of the present group.

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

Town of Carrollton

Employer Contribution Dollars General

Employer contributions are payable monthly, and each month's actual dollar contribution will be the contribution percent multiplied by the payroll during the month. If payroll during your first year of LAGERS participation equals the annual payroll reported for this valuation, the approximate employer dollar contribution for the year would be as follows:

Regular Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 75,011	\$ 63,700	\$ 52,389	\$ 41,078
L-3	93,466	82,155	70,844	59,533
LT-4(65)	82,751	71,439	60,128	48,817
LT-5(65)	98,824	87,513	76,202	64,891
L-7	110,136	98,824	87,513	76,202
LT-8(65)	113,708	102,396	91,085	79,774
L-12	128,591	117,280	105,968	94,657
LT-14(65)	129,782	118,470	107,159	95,848
L-6	145,855	134,544	123,233	111,922

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 77,393	\$ 66,081	\$ 54,770	\$ 43,459
L-3	95,848	84,537	73,225	61,914
LT-4(65)	85,132	73,821	62,509	51,198
LT-5(65)	101,206	89,895	78,583	67,272
L-7	113,708	102,396	91,085	79,774
LT-8(65)	117,875	106,564	95,252	83,941
L-12	132,163	120,852	109,540	98,229
LT-14(65)	133,949	122,638	111,326	100,015
L-6	150,618	139,307	127,996	116,684

Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 80,965	\$ 69,653	\$ 58,342	\$ 47,031
L-3	100,015	88,704	77,393	66,081
LT-4(65)	95,252	83,941	72,630	61,319
LT-5(65)	110,731	99,420	88,109	76,797
L-7	118,470	107,159	95,848	84,537
LT-8(65)	126,210	114,898	103,587	92,276
L-12	138,116	126,805	115,494	104,182
LT-14(65)	141,093	129,782	118,470	107,159
L-6	157,167	145,855	134,544	123,233

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 83,346	\$ 72,035	\$ 60,723	\$ 49,412
L-3	103,587	92,276	80,965	69,653
LT-4(65)	98,824	87,513	76,202	64,891
LT-5(65)	114,898	103,587	92,276	80,965
L-7	122,638	111,326	100,015	88,704
LT-8(65)	129,782	118,470	107,159	95,848
L-12	142,283	130,972	119,661	108,350
LT-14(65)	145,855	134,544	123,233	111,922
L-6	161,929	150,618	139,307	127,996

PLEASE NOTE THAT THE ABOVE INFORMATION IS BASED ON THE PERSONNEL AND PAYROLL DATA SUBMITTED FOR THE ACTUARIAL VALUATION. IN BUDGETING AMOUNTS FOR LAGERS CONTRIBUTIONS YOU SHOULD CONSIDER ANY CHANGES WHICH HAVE BEEN MADE SINCE DATA WAS SUBMITTED FOR THE VALUATION AND ANY CHANGES ANTICIPATED TO BE MADE BEFORE THE END OF THE PERIOD FOR WHICH YOU ARE PREPARING THE BUDGET.

Town of Carrollton

Employer Contribution Dollars Police

Employer contributions are payable monthly, and each month's actual dollar contribution will be the contribution percent multiplied by the payroll during the month. If payroll during your first year of LAGERS participation equals the annual payroll reported for this valuation, the approximate employer dollar contribution for the year would be as follows:

Regular Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 29,132	\$ 23,244	\$ 17,356	\$ 11,467
L-3	35,641	29,752	23,864	17,975
LT-4(65)	34,711	28,823	22,934	17,046
LT-5(65)	39,980	34,091	28,203	22,314
L-7	42,149	36,261	30,372	24,484
LT-8(65)	44,938	39,050	33,161	27,273
L-12	48,657	42,769	36,880	30,992
LT-14(65)	50,207	44,319	38,430	32,542
L-6	55,166	49,277	43,389	37,500

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 29,752	\$ 23,864	\$ 17,975	\$ 12,087
L-3	36,571	30,682	24,794	18,905
LT-4(65)	35,951	30,062	24,174	18,285
LT-5(65)	41,219	35,331	29,442	23,554
L-7	43,389	37,500	31,612	25,723
LT-8(65)	46,488	40,600	34,711	28,823
L-12	50,207	44,319	38,430	32,542
LT-14(65)	51,447	45,558	39,670	33,781
L-6	57,025	51,137	45,248	39,360

Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 29,752	\$ 23,864	\$ 17,975	\$ 12,087
L-3	36,261	30,372	24,484	18,595
LT-4(65)	36,261	30,372	24,484	18,595
LT-5(65)	41,219	35,331	29,442	23,554
L-7	42,769	36,880	30,992	25,104
LT-8(65)	46,178	40,290	34,401	28,513
L-12	49,587	43,699	37,810	31,922
LT-14(65)	51,137	45,248	39,360	33,471
L-6	56,405	50,517	44,628	38,740

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 30,372	\$ 24,484	\$ 18,595	\$ 12,707
L-3	37,500	31,612	25,723	19,835
LT-4(65)	37,500	31,612	25,723	19,835
LT-5(65)	42,459	36,571	30,682	24,794
L-7	44,319	38,430	32,542	26,653
LT-8(65)	48,038	42,149	36,261	30,372
L-12	51,137	45,248	39,360	33,471
LT-14(65)	52,996	47,108	41,219	35,331
L-6	57,955	52,067	46,178	40,290

PLEASE NOTE THAT THE ABOVE INFORMATION IS BASED ON THE PERSONNEL AND PAYROLL DATA SUBMITTED FOR THE ACTUARIAL VALUATION. IN BUDGETING AMOUNTS FOR LAGERS CONTRIBUTIONS YOU SHOULD CONSIDER ANY CHANGES WHICH HAVE BEEN MADE SINCE DATA WAS SUBMITTED FOR THE VALUATION AND ANY CHANGES ANTICIPATED TO BE MADE BEFORE THE END OF THE PERIOD FOR WHICH YOU ARE PREPARING THE BUDGET.

Town of Carrollton

Employer Contribution Dollars

Fire

Employer contributions are payable monthly, and each month's actual dollar contribution will be the contribution percent multiplied by the payroll during the month. If payroll during your first year of LAGERS participation equals the annual payroll reported for this valuation, the approximate employer dollar contribution for the year would be as follows:

Regular Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 12,006	\$ 10,544	\$ 9,081	\$ 7,619
L-3	14,853	13,391	11,929	10,467
LT-4(65)	15,007	13,545	12,083	10,620
LT-5(65)	17,008	15,546	14,084	12,621
L-7	17,624	16,162	14,699	13,237
LT-8(65)	19,086	17,624	16,162	14,699
L-12	20,394	18,932	17,470	16,008
LT-14(65)	21,087	19,625	18,163	16,700
L-6	23,165	21,703	20,240	18,778

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 12,391	\$ 10,928	\$ 9,466	\$ 8,004
L-3	15,315	13,853	12,391	10,928
LT-4(65)	15,469	14,007	12,544	11,082
LT-5(65)	17,547	16,085	14,622	13,160
L-7	18,086	16,623	15,161	13,699
LT-8(65)	19,702	18,240	16,777	15,315
L-12	21,010	19,548	18,086	16,623
LT-14(65)	21,857	20,394	18,932	17,470
L-6	23,935	22,472	21,010	19,548

Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 13,160	\$ 11,698	\$ 10,236	\$ 8,773
L-3	16,162	14,699	13,237	11,775
LT-4(65)	17,624	16,162	14,699	13,237
LT-5(65)	19,625	18,163	16,700	15,238
L-7	19,240	17,778	16,316	14,853
LT-8(65)	21,549	20,087	18,624	17,162
L-12	22,318	20,856	19,394	17,932
LT-14(65)	23,473	22,011	20,548	19,086
L-6	25,397	23,935	22,472	21,010

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 13,545	\$ 12,083	\$ 10,620	\$ 9,158
L-3	16,700	15,238	13,776	12,314
LT-4(65)	18,240	16,777	15,315	13,853
LT-5(65)	20,317	18,855	17,393	15,931
L-7	19,856	18,393	16,931	15,469
LT-8(65)	22,241	20,779	19,317	17,855
L-12	23,088	21,626	20,164	18,701
LT-14(65)	24,242	22,780	21,318	19,856
L-6	26,243	24,781	23,319	21,857

PLEASE NOTE THAT THE ABOVE INFORMATION IS BASED ON THE PERSONNEL AND PAYROLL DATA SUBMITTED FOR THE ACTUARIAL VALUATION. IN BUDGETING AMOUNTS FOR LAGERS CONTRIBUTIONS YOU SHOULD CONSIDER ANY CHANGES WHICH HAVE BEEN MADE SINCE DATA WAS SUBMITTED FOR THE VALUATION AND ANY CHANGES ANTICIPATED TO BE MADE BEFORE THE END OF THE PERIOD FOR WHICH YOU ARE PREPARING THE BUDGET.

Town of Carrollton

Employees and Payroll Included in the Valuation

	General	Police	Fire
Number of Employees	14	7	2
Annual Payroll	\$ 595,328	\$ 309,920	\$ 76,960

Information regarding the age and service characteristics of the employees is contained in Appendix V.

APPENDIX I

UNFUNDED ACTUARIAL ACCRUED LIABILITY

Unfunded Actuarial Accrued Liability (UAAL)

If the decision is made to join LAGERS the governing body also must decide how much credit to grant employees for their service before the membership date. The options are to cover 25%, 50%, 75% or 100% of prior service. The granting of prior service credit results in the establishment of an actuarial accrued liability. Because your political subdivision will not have established an asset balance with the System as of the membership date, the value established for prior service is an unfunded actuarial accrued liability.

The policy of the LAGERS Board of Trustees provides that unfunded liabilities are to be paid for by level percent of payroll contributions over a period of 30 years. The contribution rates shown on pages 4 through 7 as the "Prior Service Cost Rate" are designed to pay for the applicable unfunded actuarial accrued liability. This procedure will allow your political subdivision to retire the unfunded actuarial accrued liability in an orderly fashion over a period of years without the need for an immediate large payment upon joining the System.

Should the governing body elect to grant credit for 100% of the employees' prior service, the unfunded actuarial accrued liability as of the date of this valuation would be as follows:

Town of Carrollton

Regular Retirement Eligibility

Benefit Group	Employee Group	Member Contribution Rate - 0%	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 585,963	\$ 604,960
	Police	66,504	68,899
	Fire	95,595	98,724
L-3	General	732,438	756,203
	Police	83,135	86,111
	Fire	119,506	123,408
LT-4(65)	General	640,784	661,684
	Police	82,155	85,109
	Fire	123,286	127,357
LT-5(65)	General	773,559	798,773
	Police	94,877	98,258
	Fire	140,261	144,891
L-7	General	878,927	907,456
	Police	99,768	103,352
	Fire	143,377	148,114
LT-8(65)	General	906,342	935,806
	Police	107,613	111,462
	Fire	157,218	162,418
L-12	General	1,025,432	1,058,706
	Police	116,401	120,558
	Fire	167,271	172,795
LT-14(65)	General	1,039,106	1,072,884
	Police	120,309	124,619
	Fire	174,186	179,948
L-6	General	1,171,737	1,209,717
	Police	132,997	137,801
	Fire	191,186	197,460

Town of Carrollton

Unfunded Actuarial Accrued Liability (UAAL)

Rule of 80 Retirement Eligibility

Benefit Group	Employee Group	Member Contribution Rate - 0%	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 650,978	\$ 672,958
	Police	67,867	70,294
	Fire	108,061	111,876
L-3	General	813,724	841,221
	Police	84,792	87,849
	Fire	135,098	139,854
LT-4(65)	General	795,783	823,057
	Police	85,568	88,654
	Fire	153,260	158,733
LT-5(65)	General	922,315	953,794
	Police	98,099	101,597
	Fire	168,997	174,989
L-7	General	976,444	1,009,468
	Police	101,753	105,456
	Fire	162,085	167,823
LT-8(65)	General	1,048,841	1,084,515
	Police	110,625	114,630
	Fire	184,692	191,244
L-12	General	1,139,249	1,177,691
	Police	118,722	123,044
	Fire	189,095	195,805
LT-14(65)	General	1,175,439	1,215,219
	Police	123,136	127,606
	Fire	200,399	207,516
L-6	General	1,301,926	1,345,929
	Police	135,663	140,597
	Fire	216,119	223,749

APPENDIX II

SUMMARY OF FINANCIAL ASSUMPTIONS

Summary of Assumptions Used in Actuarial Valuations

Assumptions Adopted by Board of Trustees After Consulting With Actuary

1. The investment return rate used in making the valuations was 7.00% per year, net of investment expenses, compounded annually. This rate of return is not the assumed real rate of return. The real rate of return is the rate of investment return in excess of the inflation rate. The price inflation rate used in making the valuations was 2.25% and the wage inflation rate used in making the valuations was 2.75%. The 7.00% investment return rate translates to an assumed real rate of return over price inflation of 4.75% and over wage inflation of 4.25%. Adopted 2021.
2. The healthy retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were 115% of the PubG-2010 Retiree Mortality Table for males and females. The disabled retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were 115% of the PubNS-2010 Disabled Retiree Mortality Table for males and females. The pre-retirement mortality tables used were 75% of the PubG-2010 Employee Mortality Table for males and females of General groups and 75% of the PubS-2010 Employee Mortality Table for males and females of Police, Fire and Public Safety groups. Mortality rates for a particular calendar year are determined by applying the MP-2020 mortality improvement scale to the above described tables. Adopted 2021.
3. The probabilities of withdrawal and disability from service, together with individual pay increase assumptions, are shown in Schedule 1. Adopted 2021.
4. The probabilities of retirement with an age and service allowance are shown in Schedule 2. Adopted 2021.
5. Post-retirement cost of living allowances are assumed to be 2.00% per year. Adopted 2021.
6. Total active member payroll is assumed to increase 2.75% a year, which is the portion of the individual pay increase assumptions attributable to wage inflation. In effect, this assumes no change in the number of active members per employer. Adopted 2021.
7. An individual entry-age actuarial cost method of valuation was used in determining age and service allowance actuarial liabilities and normal cost. Adopted 1986.
8. The data about persons now covered was furnished by the political subdivision. Although examined for general reasonableness, the data was not audited by us.
9. This report was prepared using our proprietary valuation model and related software which, in our professional judgment, has the capability to provide results that are consistent with the purposes of the valuation and has no material limitations or known weaknesses. We performed tests to ensure that the model reasonably represents that which is intended to be modeled.

Schedule 1.

Separations From Active Employment (Not Including Death-in-Service) Before Age & Service Retirement and Individual Pay Increase Assumptions

		Percent of Active Members Separating Within Next Year							
Sample Ages	Years of Service	General/Public Safety Members				Police		Fire	
		Men		Women		Disability	Withdrawal	Disability	Withdrawal
		Disability	Withdrawal	Disability	Withdrawal				
All	0		20.00%		23.00%		18.00%		12.00%
	1		18.00		21.00		17.00		10.00
	2		16.00		18.00		16.00		8.00
	3		13.00		15.00		14.00		8.00
	4		12.00		13.00		13.00		7.00
25	5 & Over	0.07%	8.80	0.02%	12.40	0.10%	10.80	0.07%	6.00
30		0.10	7.10	0.03	10.20	0.11	8.50	0.11	4.50
35		0.13	5.60	0.06	7.80	0.16	6.30	0.25	3.20
40		0.18	4.10	0.09	5.80	0.22	4.60	0.39	2.40
45		0.25	3.10	0.15	4.40	0.34	3.40	0.62	1.90
50		0.37	2.40	0.22	3.50	0.53	2.10	0.95	1.30
55		0.57	1.70	0.32	2.50	0.88	1.10	1.46	0.70
60		0.86	1.10	0.45	1.40		0.00		0.00
65			0.00		0.00		0.00		0.00

Percent Increase in Individual's Pay During Next Year

Sample Ages	General/ Public Safety			Police	Fire
25	6.75%			6.55%	7.15%
30	5.95			5.75	6.05
35	5.35			5.25	5.15
40	4.85			4.75	4.45
45	4.25			4.25	4.05
50	3.85			3.85	3.85
55	3.65			3.65	3.45
60	3.45			3.45	2.75
65	3.15			3.15	2.75

Schedule 2.

Percent of Eligible Active Members Retiring Within Next Year Without Rule of 80 Eligibility

Early Retirement

Retirement Ages	General Members		Retirement Ages	Police/ Public Safety	Fire
	Men	Women			
55	3.00%	3.00%	50	2.50%	2.25%
56	3.00%	3.00%	51	2.50%	2.25%
57	3.00%	3.00%	52	3.00%	2.25%
58	3.00%	3.00%	53	3.00%	2.25%
59	3.00%	3.00%	54	3.50%	2.25%

Normal Retirement

Retirement Ages	General Members		Retirement Ages	Police/ Public Safety	Fire
	Men	Women			
60	10%	10%	55	11%	13%
61	10	10	56	11	13
62	25	15	57	11	13
63	20	15	58	11	13
64	20	15	59	11	13
65	25	25	60	11	15
66	25	30	61	11	20
67	20	25	62	22	20
68	20	25	63	18	20
69	20	20	64	18	20
70	100	100	65	100	100

Schedule 2. (Concluded)

Percent of Eligible Active Members Retiring Within Next Year With Rule of 80 Eligibility

Retirement Ages	General Members		Police/ Public Safety	Fire
	Men	Women		
50	20%	15%	25%	25%
51	20	15	25	20
52	15	15	15	20
53	15	15	15	20
54	15	15	15	20
55	15	15	15	20
56	15	15	15	20
57	15	15	15	25
58	15	15	15	25
59	15	15	15	25
60	15	15	15	35
61	15	15	25	35
62	25	15	20	45
63	25	15	20	45
64	25	20	20	45
65	30	25	100	100
66	30	25		
67	20	25		
68	20	25		
69	20	25		
70	100	100		

APPENDIX III

SUMMARY OF LAGERS PROVISIONS

Missouri Local Government Employees Retirement System

Brief Summary of LAGERS

Benefits and Conditions Evaluated and/or Considered as of February 29, 2024

(Section references are to RSMo)

Voluntary Retirement. Sections 70.645 & 70.600. A member may retire with an age & service allowance after both (i) completing 5 years of credited service, and (ii) attaining the minimum service retirement age.

The minimum service retirement age is age 60 for a general employee and age 55 for a police or fire employee. Optionally, employers may also elect to provide for unreduced benefits for employees whose combination of years of age and years of service equals 80 or more.

Final Average Salary. Section 70.600. The average of a member's monthly compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) of credited service producing the highest monthly average, which period is contained within the 120 consecutive months of credited service immediately preceding retirement.

Age & Service Allowance. Section 70.655. The allowance, payable monthly for life, equals a specified percent of a member's final average salary multiplied by the number of years of credited service. Each employer elects the percent applicable to its members, from the following programs:

L-1 Benefit Program:	1.00% for life
L-3 Benefit Program:	1.25% for life
L-7 Benefit Program:	1.50% for life
L-12 Benefit Program:	1.75% for life
L-6 Benefit Program:	2.00% for life
LT-4(65) Benefit Program:	1.00% for life, plus 1.00% to age 65
LT-5(65) Benefit Program:	1.25% for life, plus 0.75% to age 65
LT-8(65) Benefit Program:	1.50% for life, plus 0.50% to age 65
LT-14(65) Benefit Program:	1.75% for life, plus 0.25% to age 65

The only LT benefit programs available for adoption after August 1, 1994 are the LT(65) programs.

Benefit programs L-9 and LT-10(65) are unavailable for adoption after August 1, 2005.

Benefit program L-11, available only to groups not covered by social security, provides for 2.5% for life.

Subsequent to joining the System the governing body can elect to change benefit programs for the employees, but not more often than once every 2 years.

Early Allowance. Section 70.670. A member may retire with an early allowance after both (i) completing 5 years of credited service, and (ii) attaining age 55 if a general employee or age 50 if a police or fire employee.

The early allowance amount, payable monthly for life, is computed in the same manner as an age & service allowance, based upon the service and earnings record to time of early retirement, but reduced to reflect the fact that the age when payments begin is younger than the minimum service retirement age. The amount of the reduction is 1/2 of 1% (.005) for each month the age at retirement is younger than the minimum service retirement age.

Deferred Allowance. Section 70.675. If a member leaves LAGERS-covered employment (i) before attaining the early retirement age, and (ii) after completing 5 years of credited service, the member becomes eligible for a deferred allowance; provided the former member lives to the minimum service retirement age and does not withdraw the accumulated contributions.

The deferred allowance amount, payable monthly for life from the minimum service retirement age, is computed in the same manner as an age & service allowance, based upon the service and earnings record to time of leaving LAGERS coverage.

Deferred allowances are also payable any time after reaching the early retirement age, with the reduction for early retirement noted on the previous page.

Non-Duty Disability Allowance. Section 70.680. A member with 5 or more years of credited service who becomes totally and permanently disabled from other than duty-connected causes becomes eligible to receive a non-duty disability allowance computed in the same manner as an age & service allowance, based upon the service & earnings record to time of disability.

Duty Disability Allowance. Section 70.680. A member regardless of credited service who becomes totally and permanently disabled from duty-connected causes becomes eligible to receive a duty disability allowance computed in the same manner as an age & service allowance, based upon the earnings record to time of disability but based upon the years of credited service the member would have completed had the member continued in LAGERS-covered employment to age 60.

Death-in-Service. Section 70.661. Upon the death of a member who had completed 5 years of credited service, the eligible surviving dependents receive the following benefits:

- (a) The surviving spouse receives an allowance equal to the Option A allowance (joint and 75% survivor benefit) computed based upon the deceased members' service & earnings record to time of death.
- (b) When no spouse benefit is payable, the dependent children under age 18 (age 23 if they are full time students) each receive an equal share of 60% of an age & service allowance computed based upon the deceased member's service & earnings record to time of death.
- (c) If the death is determined to be duty related, the 5 year service requirement is waived and the benefit is based on years of credited service the member would have completed had the member continued in LAGERS-covered employment to age 60.

Benefit Changes After Retirement. Section 70.655. For retirements effective after September 28, 1975, there is an annual redetermination of monthly benefit amount, beginning the October first following 12 months of retirement. As of each October first the amount of each eligible benefit is redetermined as follows:

- (a) Subject to the maximum in (b), the redetermined amount is the amount other-wise payable multiplied by: 100% plus up to 4%, as determined by the LAGERS Board of Trustees, for each full year of retirement.
- (b) The redetermined amount may not exceed the amount otherwise payable multiplied by the ratio of the Consumer Price Index for the immediately preceding month of June to the Consumer Price Index for the month of June immediately preceding retirement.

Member Contributions. Sections 70.690 & 70.705. Each member contributes 4% of compensation beginning after completion of sufficient employment for 6 months of credited service.

If a member leaves LAGERS-covered employment before an allowance is payable, the accumulated contributions are refunded to the member. If the member dies, his accumulated contributions are refunded to a designated beneficiary.

The law governing LAGERS also has a provision for the adoption of a non-contributory plan in which the full cost of LAGERS participation is paid by the employer. Adoption of the non-contributory provisions may be done at the time of membership or a later date; however, a change from contributory to non-contributory or vice-versa may not be made more frequently than every 2 years. Under the non-contributory provisions there is no individual account maintained for each employee and no refund of contributions if an employee terminates before being eligible for a benefit.

Employer Contributions. Section 70.730. Each employer contributes the remainder amounts necessary to finance the employees' participation in LAGERS. Contributions to LAGERS are determined based upon level-percent-of-payroll principles, so that contribution rates do not have to increase over decades of time.

APPENDIX IV

BENEFIT ILLUSTRATIONS

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (L-1 Benefit Program is Years of Credited Service times: 1.00% of FAS ¹)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 525	\$ 1,031	\$1,556	104%
2,000	700	1,174	1,874	94%
2,500	875	1,314	2,189	88%
3,000	1,050	1,455	2,505	84%
3,500	1,225	1,599	2,824	81%
4,000	1,400	1,739	3,139	78%
25 Years of Service:				
\$1,500	\$ 375	\$ 1,031	\$1,406	94%
2,000	500	1,174	1,674	84%
2,500	625	1,314	1,939	78%
3,000	750	1,455	2,205	74%
3,500	875	1,599	2,474	71%
4,000	1,000	1,739	2,739	68%
15 Years of Service:				
\$1,500	\$225	\$ 1,031	\$1,256	84%
2,000	300	1,174	1,474	74%
2,500	375	1,314	1,689	68%
3,000	450	1,455	1,905	64%
3,500	525	1,599	2,124	61%
4,000	600	1,739	2,339	58%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (L-3 Benefit Program is Years of Credited Service times: 1.25% of FAS ¹)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 656	\$ 1,031	\$1,687	112%
2,000	875	1,174	2,049	102%
2,500	1,094	1,314	2,408	96%
3,000	1,313	1,455	2,768	92%
3,500	1,531	1,599	3,130	89%
4,000	1,750	1,739	3,489	87%
25 Years of Service:				
\$1,500	\$ 469	\$ 1,031	\$1,500	100%
2,000	625	1,174	1,799	90%
2,500	781	1,314	2,095	84%
3,000	938	1,455	2,393	80%
3,500	1,094	1,599	2,693	77%
4,000	1,250	1,739	2,989	75%
15 Years of Service:				
\$1,500	\$281	\$ 1,031	\$1,312	87%
2,000	375	1,174	1,549	77%
2,500	469	1,314	1,783	71%
3,000	563	1,455	2,018	67%
3,500	656	1,599	2,255	64%
4,000	750	1,739	2,489	62%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(L-7 Benefit Program is Years of Credited Service
times: 1.50% of FAS ¹)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 788	\$ 1,031	\$1,819	121%
2,000	1,050	1,174	2,224	111%
2,500	1,313	1,314	2,627	105%
3,000	1,575	1,455	3,030	101%
3,500	1,838	1,599	3,437	98%
4,000	2,100	1,739	3,839	96%
25 Years of Service:				
\$1,500	\$ 563	\$ 1,031	\$1,594	106%
2,000	750	1,174	1,924	96%
2,500	938	1,314	2,252	90%
3,000	1,125	1,455	2,580	86%
3,500	1,313	1,599	2,912	83%
4,000	1,500	1,739	3,239	81%
15 Years of Service:				
\$1,500	\$338	\$ 1,031	\$1,369	91%
2,000	450	1,174	1,624	81%
2,500	563	1,314	1,877	75%
3,000	675	1,455	2,130	71%
3,500	788	1,599	2,387	68%
4,000	900	1,739	2,639	66%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(L-12 Benefit Program is Years of Credited Service
times: 1.75% of FAS ¹)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 919	\$ 1,031	\$1,950	130%
2,000	1,225	1,174	2,399	120%
2,500	1,531	1,314	2,845	114%
3,000	1,838	1,455	3,293	110%
3,500	2,144	1,599	3,743	107%
4,000	2,450	1,739	4,189	105%
25 Years of Service:				
\$1,500	\$ 656	\$ 1,031	\$1,687	112%
2,000	875	1,174	2,049	102%
2,500	1,094	1,314	2,408	96%
3,000	1,313	1,455	2,768	92%
3,500	1,531	1,599	3,130	89%
4,000	1,750	1,739	3,489	87%
15 Years of Service:				
\$1,500	\$ 394	\$ 1,031	\$1,425	95%
2,000	525	1,174	1,699	85%
2,500	656	1,314	1,970	79%
3,000	788	1,455	2,243	75%
3,500	919	1,599	2,518	72%
4,000	1,050	1,739	2,789	70%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (L-6 Benefit Program is Years of Credited Service times: 2.00% of FAS ¹)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$1,050	\$ 1,031	\$2,081	139%
2,000	1,400	1,174	2,574	129%
2,500	1,750	1,314	3,064	123%
3,000	2,100	1,455	3,555	119%
3,500	2,450	1,599	4,049	116%
4,000	2,800	1,739	4,539	113%
25 Years of Service:				
\$1,500	\$ 750	\$ 1,031	\$1,781	119%
2,000	1,000	1,174	2,174	109%
2,500	1,250	1,314	2,564	103%
3,000	1,500	1,455	2,955	99%
3,500	1,750	1,599	3,349	96%
4,000	2,000	1,739	3,739	93%
15 Years of Service:				
\$1,500	\$ 450	\$ 1,031	\$1,481	99%
2,000	600	1,174	1,774	89%
2,500	750	1,314	2,064	83%
3,000	900	1,455	2,355	79%
3,500	1,050	1,599	2,649	76%
4,000	1,200	1,739	2,939	73%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (LT-4(65) Benefit Program is Years of Credited Service times: 2.00% of FAS ¹ to age 65) 1.00% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 525	\$ 1,031	\$1,050	\$1,556	70%	104%
2,000	1,400	700	1,174	1,400	1,874	70%	94%
2,500	1,750	875	1,314	1,750	2,189	70%	88%
3,000	2,100	1,050	1,455	2,100	2,505	70%	84%
3,500	2,450	1,225	1,599	2,450	2,824	70%	81%
4,000	2,800	1,400	1,739	2,800	3,139	70%	78%
25 Years of Service:							
\$1,500	\$ 750	\$ 375	\$ 1,031	\$ 750	\$1,406	50%	94%
2,000	1,000	500	1,174	1,000	1,674	50%	84%
2,500	1,250	625	1,314	1,250	1,939	50%	78%
3,000	1,500	750	1,455	1,500	2,205	50%	74%
3,500	1,750	875	1,599	1,750	2,474	50%	71%
4,000	2,000	1,000	1,739	2,000	2,739	50%	68%
15 Years of Service:							
\$1,500	\$ 450	\$225	\$ 1,031	\$ 450	\$1,256	30%	84%
2,000	600	300	1,174	600	1,474	30%	74%
2,500	750	375	1,314	750	1,689	30%	68%
3,000	900	450	1,455	900	1,905	30%	64%
3,500	1,050	525	1,599	1,050	2,124	30%	61%
4,000	1,200	600	1,739	1,200	2,339	30%	58%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary

(LT-5(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.25% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 656	\$ 1,031	\$1,050	\$1,687	70%	112%
2,000	1,400	875	1,174	1,400	2,049	70%	102%
2,500	1,750	1,094	1,314	1,750	2,408	70%	96%
3,000	2,100	1,313	1,455	2,100	2,768	70%	92%
3,500	2,450	1,531	1,599	2,450	3,130	70%	89%
4,000	2,800	1,750	1,739	2,800	3,489	70%	87%
25 Years of Service:							
\$1,500	\$ 750	\$ 469	\$ 1,031	\$ 750	\$1,500	50%	100%
2,000	1,000	625	1,174	1,000	1,799	50%	90%
2,500	1,250	781	1,314	1,250	2,095	50%	84%
3,000	1,500	938	1,455	1,500	2,393	50%	80%
3,500	1,750	1,094	1,599	1,750	2,693	50%	77%
4,000	2,000	1,250	1,739	2,000	2,989	50%	75%
15 Years of Service:							
\$1,500	\$ 450	\$281	\$ 1,031	\$ 450	\$1,312	30%	87%
2,000	600	375	1,174	600	1,549	30%	77%
2,500	750	469	1,314	750	1,783	30%	71%
3,000	900	563	1,455	900	2,018	30%	67%
3,500	1,050	656	1,599	1,050	2,255	30%	64%
4,000	1,200	750	1,739	1,200	2,489	30%	62%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(LT-8(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.50% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 788	\$ 1,031	\$1,050	\$1,819	70%	121%
2,000	1,400	1,050	1,174	1,400	2,224	70%	111%
2,500	1,750	1,313	1,314	1,750	2,627	70%	105%
3,000	2,100	1,575	1,455	2,100	3,030	70%	101%
3,500	2,450	1,838	1,599	2,450	3,437	70%	98%
4,000	2,800	2,100	1,739	2,800	3,839	70%	96%
25 Years of Service:							
\$1,500	\$ 750	\$ 563	\$ 1,031	\$ 750	\$1,594	50%	106%
2,000	1,000	750	1,174	1,000	1,924	50%	96%
2,500	1,250	938	1,314	1,250	2,252	50%	90%
3,000	1,500	1,125	1,455	1,500	2,580	50%	86%
3,500	1,750	1,313	1,599	1,750	2,912	50%	83%
4,000	2,000	1,500	1,739	2,000	3,239	50%	81%
15 Years of Service:							
\$1,500	\$ 450	\$338	\$ 1,031	\$ 450	\$1,369	30%	91%
2,000	600	450	1,174	600	1,624	30%	81%
2,500	750	563	1,314	750	1,877	30%	75%
3,000	900	675	1,455	900	2,130	30%	71%
3,500	1,050	788	1,599	1,050	2,387	30%	68%
4,000	1,200	900	1,739	1,200	2,639	30%	66%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (LT-14(65) Benefit Program is Years of Credited Service times: 2.00% of FAS ¹ to age 65) 1.75% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 919	\$ 1,031	\$1,050	\$1,950	70%	130%
2,000	1,400	1,225	1,174	1,400	2,399	70%	120%
2,500	1,750	1,531	1,314	1,750	2,845	70%	114%
3,000	2,100	1,838	1,455	2,100	3,293	70%	110%
3,500	2,450	2,144	1,599	2,450	3,743	70%	107%
4,000	2,800	2,450	1,739	2,800	4,189	70%	105%
25 Years of Service:							
\$1,500	\$ 750	\$ 656	\$ 1,031	\$ 750	\$1,687	50%	112%
2,000	1,000	875	1,174	1,000	2,049	50%	102%
2,500	1,250	1,094	1,314	1,250	2,408	50%	96%
3,000	1,500	1,313	1,455	1,500	2,768	50%	92%
3,500	1,750	1,531	1,599	1,750	3,130	50%	89%
4,000	2,000	1,750	1,739	2,000	3,489	50%	87%
15 Years of Service:							
\$1,500	\$ 450	\$ 394	\$ 1,031	\$ 450	\$1,425	30%	95%
2,000	600	525	1,174	600	1,699	30%	85%
2,500	750	656	1,314	750	1,970	30%	79%
3,000	900	788	1,455	900	2,243	30%	75%
3,500	1,050	919	1,599	1,050	2,518	30%	72%
4,000	1,200	1,050	1,739	1,200	2,789	30%	70%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

APPENDIX V

AGE AND SERVICE CHARACTERISTICS OF EMPLOYEES

Town of Carrollton - General

May 31, 2024

By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
Under 20									
20-24									
25-29									
30-34		1						1	\$ 37,440
35-39	2	2		1				5	\$ 196,560
40-44									
45-49						1		1	\$ 58,240
50-54		1	1					2	\$ 84,680
55-59	2							2	\$ 71,760
60-64	1		1					2	\$ 91,520
65-69					1			1	\$ 55,128
70 & Over									
Totals	5	4	2	1	1	1		14	\$ 595,328

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 47.9 years.

Benefit Service: 8.8 years.

Annual Pay: \$42,523

Town of Carrollton - Police

May 31, 2024

By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
Under 20									
20-24	1							1	\$ 40,560
25-29	2							2	\$ 81,120
30-34	1							1	\$ 40,560
35-39	1							1	\$ 43,680
40-44									
45-49	1							1	\$ 55,120
50-54	1							1	\$ 48,880
55-59									
60-64									
65-69									
70 & Over									
Totals	7							7	\$ 309,920

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 35.6 years.

Benefit Service: 2.1 years.

Annual Pay: \$44,274

Town of Carrollton - Fire

May 31, 2024

By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
Under 20									
20-24									
25-29									
30-34									
35-39				1				1	\$ 36,400
40-44		1						1	\$ 40,560
45-49									
50-54									
55-59									
60-64									
65-69									
70 & Over									
Totals		1		1				2	\$ 76,960

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 40.5 years.

Benefit Service: 13.5 years.

Annual Pay: \$38,480

APPENDIX VI

RISK COMMENTARY

Risk Commentary

The determination of the accrued liability and the actuarially determined contribution (i.e., total employer contribution rate) requires the use of assumptions regarding future economic and demographic experience. Risk measures, as illustrated in this report, are intended to aid in the understanding of the effects of future experience differing from the assumptions used in the course of the actuarial valuation. Risk measures may also help with illustrating the potential volatility in the accrued liability and the actuarially determined contribution that result from the differences between actual experience and the actuarial assumptions.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions due to changing conditions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period, or additional cost or contribution requirements based on the Plan's funded status); and changes in plan provisions or applicable law. The scope of an actuarial valuation does not include an analysis of the potential range of such future measurements.

Examples of risk that may reasonably be anticipated to significantly affect the plan's future financial condition include:

1. **Investment Risk** – actual investment returns may differ from the expected returns;
2. **Asset/Liability Mismatch Risk** – changes in asset values may not match changes in liabilities, thereby altering the gap between the accrued liability and assets and consequently altering the funded status and contribution requirements;
3. **Contribution Risk** – actual contributions may differ from expected future contributions. For example, actual contributions may not be made in accordance with the plan's funding policy or material changes may occur in the anticipated number of covered employees, covered payroll, or other relevant contribution base;
4. **Salary and Payroll Risk** – actual salaries and total payroll may differ from expected, resulting in actual future accrued liability, contributions and contribution rates differing from expected;
5. **Longevity Risk** – members may live longer or shorter than expected and receive pensions for a period of time other than assumed; and
6. **Other Demographic Risks** – members may terminate, retire or become disabled at times or with benefits other than assumed resulting in actual future accrued liability and contributions differing from expected.

The effects of certain trends in experience can generally be anticipated. For example if the investment return since the most recent actuarial valuation is less (or more) than the assumed rate, the cost of the plan can be expected to increase (or decrease). Likewise if longevity is improving (or worsening), increases (or decreases) in cost can be anticipated.

The computed contribution rates shown on pages 4 thru 7 may be considered as a minimum contribution rate for the selected benefit provisions that complies with the Board's funding policy. The timely receipt of the actuarially determined contributions is critical to support the financial health of the plan. Users of this report should be aware that contributions made at the actuarially determined rate do not necessarily guarantee benefit security.

Risk Commentary (Concluded)

PLAN MATURITY MEASURES

Risks facing a pension plan evolve over time. A young plan with virtually no investments and paying few benefits may experience little investment risk. An older plan with a large number of members in pay status and a significant trust may be much more exposed to investment risk. Generally accepted plan maturity measures are described below.

RATIO OF MARKET VALUE OF ASSETS TO PAYROLL

The relationship between assets and payroll is a useful indicator of the potential volatility of contributions. For example, if the market value of assets is 2.0 times the payroll, a return on assets 5% different than assumed would equal 10% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in plan sponsor contributions as a percentage of payroll.

RATIO OF ACTUARIAL ACCRUED LIABILITY TO PAYROLL

The relationship between actuarial accrued liability and payroll is a useful indicator of the potential volatility of contributions for a fully funded plan. A funding policy that targets a funded ratio of 100% is expected to result in the ratio of assets to payroll and the ratio of liability to payroll converging over time.

The ratio of liability to payroll may also be used as a measure of sensitivity of the liability itself. For example, if the actuarial accrued liability is 2.5 times the payroll, a change in liability 2% other than assumed would equal 5% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in liability (and also plan sponsor contributions) as a percentage of payroll.

RATIO OF NET CASH FLOW TO MARKET VALUE OF ASSETS

A positive net cash flow means contributions exceed benefits and expenses. A negative cash flow means existing funds are being used to make payments. A certain amount of negative net cash flow is generally expected to occur when benefits are prefunded through a qualified trust. Large negative net cash flows as a percent of assets may indicate a super-mature plan or a need for additional contributions.

DURATION OF ACTUARIAL ACCRUED LIABILITY

The duration of the actuarial accrued liability may be used to approximate the sensitivity to a 1% change in the assumed rate of return. For example, duration of 10 indicates that the liability would increase approximately 10% if the assumed rate of return were lowered 1%.

ADDITIONAL RISK ASSESSMENT

Additional risk assessment is outside the scope of the annual actuarial valuation. Additional assessment may include scenario tests, sensitivity tests, stochastic modeling, stress tests, and a comparison of the present value of accrued benefits at low-risk discount rates with the actuarial accrued liability.



July 19, 2024 E-mail

Mr. Bill Betts, Executive Director
Missouri Local Government
Employees Retirement System
P.O. Box 1665
Jefferson City, Missouri 65102

Dear Mr. Betts:

Enclosed is the report of the May 31, 2024 Initial Actuarial Valuation of LAGERS benefits for the employees of

Town of Carrollton

Sincerely,

A handwritten signature in black ink that reads "Mita Drazilov". The signature is written in a cursive, flowing style.

Mita D. Drazilov, ASA, FCA, MAAA

MDD:wp



July 19, 2024

Town of Carrollton
Carrollton, Missouri

Ladies and Gentlemen:

This report contains projections needed to comply with Missouri state disclosure requirements (Section 105.665 of the RSMo) regarding the adoption of LAGERS benefits by a political subdivision. This report is intended to be a supplement to the May 31, 2024 Initial Valuation for the Town of Carrollton dated July 19, 2024.

The actuarial assumptions and methods used to determine the stated costs are described in Appendix II of the Initial Valuation Report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 29, 2024. The unfunded actuarial accrued liability shown for each member contribution rate option is based on the 0% member contribution rate plan.

Mita Drazilov is a member of the American Academy of Actuaries and meets the Qualification Standards of the Academy of Actuaries to render the actuarial opinions herein.

Respectfully submitted,
Gabriel, Roeder, Smith & Company

A handwritten signature in black ink that reads "Mita Drazilov". The signature is written in a cursive, flowing style.

Mita D. Drazilov, ASA, FCA, MAAA

Town of Carrollton - General

Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	12.6%	\$75,011	\$ 585,963	15.7%	\$93,466	\$ 732,438	13.9%	\$82,751	\$ 640,784
2025	611,700	12.6	77,074	591,584	15.7	96,037	739,464	13.9	85,026	646,931
2026	628,522	12.6	79,194	596,625	15.7	98,678	745,765	13.9	87,365	652,444
2027	645,806	12.6	81,372	601,019	15.7	101,392	751,257	13.9	89,767	657,249
2028	663,566	12.6	83,609	604,693	15.7	104,180	755,849	13.9	92,236	661,266
2029	681,814	12.6	85,909	607,568	15.7	107,045	759,442	13.9	94,772	664,410
2030	700,564	12.6	88,271	609,559	15.7	109,989	761,931	13.9	97,378	666,587
2031	719,830	12.6	90,699	610,575	15.7	113,013	763,200	13.9	100,056	667,698
2032	739,625	12.6	93,193	610,516	15.7	116,121	763,127	13.9	102,808	667,634
2033	759,965	12.6	95,756	609,276	15.7	119,315	761,577	13.9	105,635	666,278

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	16.6%	\$98,824	\$ 773,559	18.5%	\$110,136	\$ 878,927	19.1%	\$113,708	\$ 906,342
2025	611,700	16.6	101,542	780,979	18.5	113,165	887,358	19.1	116,835	915,036
2026	628,522	16.6	104,335	787,634	18.5	116,277	894,919	19.1	120,048	922,833
2027	645,806	16.6	107,204	793,434	18.5	119,474	901,509	19.1	123,349	929,629
2028	663,566	16.6	110,152	798,284	18.5	122,760	907,019	19.1	126,741	935,311
2029	681,814	16.6	113,181	802,079	18.5	126,136	911,331	19.1	130,226	939,758
2030	700,564	16.6	116,294	804,707	18.5	129,604	914,318	19.1	133,808	942,838
2031	719,830	16.6	119,492	806,048	18.5	133,169	915,841	19.1	137,488	944,409
2032	739,625	16.6	122,778	805,970	18.5	136,831	915,753	19.1	141,268	944,318
2033	759,965	16.6	126,154	804,333	18.5	140,594	913,893	19.1	145,153	942,400

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	21.6%	\$128,591	\$ 1,025,432	21.8%	\$129,782	\$ 1,039,106	24.5%	\$145,855	\$ 1,171,737
2025	611,700	21.6	132,127	1,035,269	21.8	133,351	1,049,074	24.5	149,867	1,182,977
2026	628,522	21.6	135,761	1,044,091	21.8	137,018	1,058,013	24.5	153,988	1,193,057
2027	645,806	21.6	139,494	1,051,780	21.8	140,786	1,065,804	24.5	158,222	1,201,843
2028	663,566	21.6	143,330	1,058,209	21.8	144,657	1,072,318	24.5	162,574	1,209,189
2029	681,814	21.6	147,272	1,063,240	21.8	148,635	1,077,416	24.5	167,044	1,214,938
2030	700,564	21.6	151,322	1,066,724	21.8	152,723	1,080,947	24.5	171,638	1,218,919
2031	719,830	21.6	155,483	1,068,501	21.8	156,923	1,082,748	24.5	176,358	1,220,950
2032	739,625	21.6	159,759	1,068,398	21.8	161,238	1,082,644	24.5	181,208	1,220,833
2033	759,965	21.6	164,152	1,066,228	21.8	165,672	1,080,445	24.5	186,191	1,218,354

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	10.7%	\$63,700	\$ 585,963	13.8%	\$82,155	\$ 732,438	12.0%	\$71,439	\$ 640,784
2025	611,700	10.7	65,452	591,584	13.8	84,415	739,464	12.0	73,404	646,931
2026	628,522	10.7	67,252	596,625	13.8	86,736	745,765	12.0	75,423	652,444
2027	645,806	10.7	69,101	601,019	13.8	89,121	751,257	12.0	77,497	657,249
2028	663,566	10.7	71,002	604,693	13.8	91,572	755,849	12.0	79,628	661,266
2029	681,814	10.7	72,954	607,568	13.8	94,090	759,442	12.0	81,818	664,410
2030	700,564	10.7	74,960	609,559	13.8	96,678	761,931	12.0	84,068	666,587
2031	719,830	10.7	77,022	610,575	13.8	99,337	763,200	12.0	86,380	667,698
2032	739,625	10.7	79,140	610,516	13.8	102,068	763,127	12.0	88,755	667,634
2033	759,965	10.7	81,316	609,276	13.8	104,875	761,577	12.0	91,196	666,278

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	14.7%	\$87,513	\$ 773,559	16.6%	\$98,824	\$ 878,927	17.2%	\$102,396	\$ 906,342
2025	611,700	14.7	89,920	780,979	16.6	101,542	887,358	17.2	105,212	915,036
2026	628,522	14.7	92,393	787,634	16.6	104,335	894,919	17.2	108,106	922,833
2027	645,806	14.7	94,933	793,434	16.6	107,204	901,509	17.2	111,079	929,629
2028	663,566	14.7	97,544	798,284	16.6	110,152	907,019	17.2	114,133	935,311
2029	681,814	14.7	100,227	802,079	16.6	113,181	911,331	17.2	117,272	939,758
2030	700,564	14.7	102,983	804,707	16.6	116,294	914,318	17.2	120,497	942,838
2031	719,830	14.7	105,815	806,048	16.6	119,492	915,841	17.2	123,811	944,409
2032	739,625	14.7	108,725	805,970	16.6	122,778	915,753	17.2	127,216	944,318
2033	759,965	14.7	111,715	804,333	16.6	126,154	913,893	17.2	130,714	942,400

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	19.7%	\$117,280	\$ 1,025,432	19.9%	\$118,470	\$ 1,039,106	22.6%	\$134,544	\$ 1,171,737
2025	611,700	19.7	120,505	1,035,269	19.9	121,728	1,049,074	22.6	138,244	1,182,977
2026	628,522	19.7	123,819	1,044,091	19.9	125,076	1,058,013	22.6	142,046	1,193,057
2027	645,806	19.7	127,224	1,051,780	19.9	128,515	1,065,804	22.6	145,952	1,201,843
2028	663,566	19.7	130,723	1,058,209	19.9	132,050	1,072,318	22.6	149,966	1,209,189
2029	681,814	19.7	134,317	1,063,240	19.9	135,681	1,077,416	22.6	154,090	1,214,938
2030	700,564	19.7	138,011	1,066,724	19.9	139,412	1,080,947	22.6	158,327	1,218,919
2031	719,830	19.7	141,807	1,068,501	19.9	143,246	1,082,748	22.6	162,682	1,220,950
2032	739,625	19.7	145,706	1,068,398	19.9	147,185	1,082,644	22.6	167,155	1,220,833
2033	759,965	19.7	149,713	1,066,228	19.9	151,233	1,080,445	22.6	171,752	1,218,354

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	8.8%	\$52,389	\$ 585,963	11.9%	\$70,844	\$ 732,438	10.1%	\$60,128	\$ 640,784
2025	611,700	8.8	53,830	591,584	11.9	72,792	739,464	10.1	61,782	646,931
2026	628,522	8.8	55,310	596,625	11.9	74,794	745,765	10.1	63,481	652,444
2027	645,806	8.8	56,831	601,019	11.9	76,851	751,257	10.1	65,226	657,249
2028	663,566	8.8	58,394	604,693	11.9	78,964	755,849	10.1	67,020	661,266
2029	681,814	8.8	60,000	607,568	11.9	81,136	759,442	10.1	68,863	664,410
2030	700,564	8.8	61,650	609,559	11.9	83,367	761,931	10.1	70,757	666,587
2031	719,830	8.8	63,345	610,575	11.9	85,660	763,200	10.1	72,703	667,698
2032	739,625	8.8	65,087	610,516	11.9	88,015	763,127	10.1	74,702	667,634
2033	759,965	8.8	66,877	609,276	11.9	90,436	761,577	10.1	76,756	666,278

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	12.8%	\$76,202	\$ 773,559	14.7%	\$87,513	\$ 878,927	15.3%	\$91,085	\$ 906,342
2025	611,700	12.8	78,298	780,979	14.7	89,920	887,358	15.3	93,590	915,036
2026	628,522	12.8	80,451	787,634	14.7	92,393	894,919	15.3	96,164	922,833
2027	645,806	12.8	82,663	793,434	14.7	94,933	901,509	15.3	98,808	929,629
2028	663,566	12.8	84,936	798,284	14.7	97,544	907,019	15.3	101,526	935,311
2029	681,814	12.8	87,272	802,079	14.7	100,227	911,331	15.3	104,318	939,758
2030	700,564	12.8	89,672	804,707	14.7	102,983	914,318	15.3	107,186	942,838
2031	719,830	12.8	92,138	806,048	14.7	105,815	915,841	15.3	110,134	944,409
2032	739,625	12.8	94,672	805,970	14.7	108,725	915,753	15.3	113,163	944,318
2033	759,965	12.8	97,276	804,333	14.7	111,715	913,893	15.3	116,275	942,400

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	17.8%	\$105,968	\$ 1,025,432	18.0%	\$107,159	\$ 1,039,106	20.7%	\$123,233	\$ 1,171,737
2025	611,700	17.8	108,883	1,035,269	18.0	110,106	1,049,074	20.7	126,622	1,182,977
2026	628,522	17.8	111,877	1,044,091	18.0	113,134	1,058,013	20.7	130,104	1,193,057
2027	645,806	17.8	114,953	1,051,780	18.0	116,245	1,065,804	20.7	133,682	1,201,843
2028	663,566	17.8	118,115	1,058,209	18.0	119,442	1,072,318	20.7	137,358	1,209,189
2029	681,814	17.8	121,363	1,063,240	18.0	122,727	1,077,416	20.7	141,135	1,214,938
2030	700,564	17.8	124,700	1,066,724	18.0	126,102	1,080,947	20.7	145,017	1,218,919
2031	719,830	17.8	128,130	1,068,501	18.0	129,569	1,082,748	20.7	149,005	1,220,950
2032	739,625	17.8	131,653	1,068,398	18.0	133,133	1,082,644	20.7	153,102	1,220,833
2033	759,965	17.8	135,274	1,066,228	18.0	136,794	1,080,445	20.7	157,313	1,218,354

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	6.9%	\$41,078	\$ 585,963	10.0%	\$59,533	\$ 732,438	8.2%	\$48,817	\$ 640,784
2025	611,700	6.9	42,207	591,584	10.0	61,170	739,464	8.2	50,159	646,931
2026	628,522	6.9	43,368	596,625	10.0	62,852	745,765	8.2	51,539	652,444
2027	645,806	6.9	44,561	601,019	10.0	64,581	751,257	8.2	52,956	657,249
2028	663,566	6.9	45,786	604,693	10.0	66,357	755,849	8.2	54,412	661,266
2029	681,814	6.9	47,045	607,568	10.0	68,181	759,442	8.2	55,909	664,410
2030	700,564	6.9	48,339	609,559	10.0	70,056	761,931	8.2	57,446	666,587
2031	719,830	6.9	49,668	610,575	10.0	71,983	763,200	8.2	59,026	667,698
2032	739,625	6.9	51,034	610,516	10.0	73,963	763,127	8.2	60,649	667,634
2033	759,965	6.9	52,438	609,276	10.0	75,997	761,577	8.2	62,317	666,278

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	10.9%	\$64,891	\$ 773,559	12.8%	\$76,202	\$ 878,927	13.4%	\$79,774	\$ 906,342
2025	611,700	10.9	66,675	780,979	12.8	78,298	887,358	13.4	81,968	915,036
2026	628,522	10.9	68,509	787,634	12.8	80,451	894,919	13.4	84,222	922,833
2027	645,806	10.9	70,393	793,434	12.8	82,663	901,509	13.4	86,538	929,629
2028	663,566	10.9	72,329	798,284	12.8	84,936	907,019	13.4	88,918	935,311
2029	681,814	10.9	74,318	802,079	12.8	87,272	911,331	13.4	91,363	939,758
2030	700,564	10.9	76,361	804,707	12.8	89,672	914,318	13.4	93,876	942,838
2031	719,830	10.9	78,461	806,048	12.8	92,138	915,841	13.4	96,457	944,409
2032	739,625	10.9	80,619	805,970	12.8	94,672	915,753	13.4	99,110	944,318
2033	759,965	10.9	82,836	804,333	12.8	97,276	913,893	13.4	101,835	942,400

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	15.9%	\$94,657	\$ 1,025,432	16.1%	\$95,848	\$ 1,039,106	18.8%	\$111,922	\$ 1,171,737
2025	611,700	15.9	97,260	1,035,269	16.1	98,484	1,049,074	18.8	115,000	1,182,977
2026	628,522	15.9	99,935	1,044,091	16.1	101,192	1,058,013	18.8	118,162	1,193,057
2027	645,806	15.9	102,683	1,051,780	16.1	103,975	1,065,804	18.8	121,412	1,201,843
2028	663,566	15.9	105,507	1,058,209	16.1	106,834	1,072,318	18.8	124,750	1,209,189
2029	681,814	15.9	108,408	1,063,240	16.1	109,772	1,077,416	18.8	128,181	1,214,938
2030	700,564	15.9	111,390	1,066,724	16.1	112,791	1,080,947	18.8	131,706	1,218,919
2031	719,830	15.9	114,453	1,068,501	16.1	115,893	1,082,748	18.8	135,328	1,220,950
2032	739,625	15.9	117,600	1,068,398	16.1	119,080	1,082,644	18.8	139,050	1,220,833
2033	759,965	15.9	120,834	1,066,228	16.1	122,354	1,080,445	18.8	142,873	1,218,354

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	13.0%	\$77,393	\$ 604,960	16.1%	\$95,848	\$ 756,203	14.3%	\$85,132	\$ 661,684
2025	611,700	13.0	79,521	610,763	16.1	98,484	763,457	14.3	87,473	668,031
2026	628,522	13.0	81,708	615,967	16.1	101,192	769,963	14.3	89,879	673,723
2027	645,806	13.0	83,955	620,503	16.1	103,975	775,633	14.3	92,350	678,684
2028	663,566	13.0	86,264	624,296	16.1	106,834	780,374	14.3	94,890	682,832
2029	681,814	13.0	88,636	627,264	16.1	109,772	784,084	14.3	97,499	686,078
2030	700,564	13.0	91,073	629,320	16.1	112,791	786,654	14.3	100,181	688,326
2031	719,830	13.0	93,578	630,369	16.1	115,893	787,965	14.3	102,936	689,473
2032	739,625	13.0	96,151	630,308	16.1	119,080	787,889	14.3	105,766	689,407
2033	759,965	13.0	98,795	629,028	16.1	122,354	786,289	14.3	108,675	688,007

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	17.0%	\$101,206	\$ 798,773	19.1%	\$113,708	\$ 907,456	19.8%	\$117,875	\$ 935,806
2025	611,700	17.0	103,989	806,435	19.1	116,835	916,161	19.8	121,117	944,783
2026	628,522	17.0	106,849	813,307	19.1	120,048	923,968	19.8	124,447	952,834
2027	645,806	17.0	109,787	819,296	19.1	123,349	930,772	19.8	127,870	959,851
2028	663,566	17.0	112,806	824,304	19.1	126,741	936,461	19.8	131,386	965,718
2029	681,814	17.0	115,908	828,223	19.1	130,226	940,913	19.8	134,999	970,309
2030	700,564	17.0	119,096	830,937	19.1	133,808	943,996	19.8	138,712	973,489
2031	719,830	17.0	122,371	832,321	19.1	137,488	945,569	19.8	142,526	975,111
2032	739,625	17.0	125,736	832,241	19.1	141,268	945,478	19.8	146,446	975,017
2033	759,965	17.0	129,194	830,551	19.1	145,153	943,558	19.8	150,473	973,037

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	22.2%	\$132,163	\$ 1,058,706	22.5%	\$133,949	\$ 1,072,884	25.3%	\$150,618	\$ 1,209,717
2025	611,700	22.2	135,797	1,068,862	22.5	137,633	1,083,176	25.3	154,760	1,221,321
2026	628,522	22.2	139,532	1,077,970	22.5	141,417	1,092,406	25.3	159,016	1,231,728
2027	645,806	22.2	143,369	1,085,908	22.5	145,306	1,100,451	25.3	163,389	1,240,799
2028	663,566	22.2	147,312	1,092,545	22.5	149,302	1,107,177	25.3	167,882	1,248,383
2029	681,814	22.2	151,363	1,097,739	22.5	153,408	1,112,441	25.3	172,499	1,254,318
2030	700,564	22.2	155,525	1,101,336	22.5	157,627	1,116,087	25.3	177,243	1,258,429
2031	719,830	22.2	159,802	1,103,171	22.5	161,962	1,117,947	25.3	182,117	1,260,526
2032	739,625	22.2	164,197	1,103,065	22.5	166,416	1,117,839	25.3	187,125	1,260,405
2033	759,965	22.2	168,712	1,100,825	22.5	170,992	1,115,569	25.3	192,271	1,257,845

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	11.1%	\$66,081	\$ 604,960	14.2%	\$84,537	\$ 756,203	12.4%	\$73,821	\$ 661,684
2025	611,700	11.1	67,899	610,763	14.2	86,861	763,457	12.4	75,851	668,031
2026	628,522	11.1	69,766	615,967	14.2	89,250	769,963	12.4	77,937	673,723
2027	645,806	11.1	71,684	620,503	14.2	91,704	775,633	12.4	80,080	678,684
2028	663,566	11.1	73,656	624,296	14.2	94,226	780,374	12.4	82,282	682,832
2029	681,814	11.1	75,681	627,264	14.2	96,818	784,084	12.4	84,545	686,078
2030	700,564	11.1	77,763	629,320	14.2	99,480	786,654	12.4	86,870	688,326
2031	719,830	11.1	79,901	630,369	14.2	102,216	787,965	12.4	89,259	689,473
2032	739,625	11.1	82,098	630,308	14.2	105,027	787,889	12.4	91,714	689,407
2033	759,965	11.1	84,356	629,028	14.2	107,915	786,289	12.4	94,236	688,007

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	15.1%	\$89,895	\$ 798,773	17.2%	\$102,396	\$ 907,456	17.9%	\$106,564	\$ 935,806
2025	611,700	15.1	92,367	806,435	17.2	105,212	916,161	17.9	109,494	944,783
2026	628,522	15.1	94,907	813,307	17.2	108,106	923,968	17.9	112,505	952,834
2027	645,806	15.1	97,517	819,296	17.2	111,079	930,772	17.9	115,599	959,851
2028	663,566	15.1	100,198	824,304	17.2	114,133	936,461	17.9	118,778	965,718
2029	681,814	15.1	102,954	828,223	17.2	117,272	940,913	17.9	122,045	970,309
2030	700,564	15.1	105,785	830,937	17.2	120,497	943,996	17.9	125,401	973,489
2031	719,830	15.1	108,694	832,321	17.2	123,811	945,569	17.9	128,850	975,111
2032	739,625	15.1	111,683	832,241	17.2	127,216	945,478	17.9	132,393	975,017
2033	759,965	15.1	114,755	830,551	17.2	130,714	943,558	17.9	136,034	973,037

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	20.3%	\$120,852	\$ 1,058,706	20.6%	\$122,638	\$ 1,072,884	23.4%	\$139,307	\$ 1,209,717
2025	611,700	20.3	124,175	1,068,862	20.6	126,010	1,083,176	23.4	143,138	1,221,321
2026	628,522	20.3	127,590	1,077,970	20.6	129,476	1,092,406	23.4	147,074	1,231,728
2027	645,806	20.3	131,099	1,085,908	20.6	133,036	1,100,451	23.4	151,119	1,240,799
2028	663,566	20.3	134,704	1,092,545	20.6	136,695	1,107,177	23.4	155,274	1,248,383
2029	681,814	20.3	138,408	1,097,739	20.6	140,454	1,112,441	23.4	159,544	1,254,318
2030	700,564	20.3	142,214	1,101,336	20.6	144,316	1,116,087	23.4	163,932	1,258,429
2031	719,830	20.3	146,125	1,103,171	20.6	148,285	1,117,947	23.4	168,440	1,260,526
2032	739,625	20.3	150,144	1,103,065	20.6	152,363	1,117,839	23.4	173,072	1,260,405
2033	759,965	20.3	154,273	1,100,825	20.6	156,553	1,115,569	23.4	177,832	1,257,845

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	9.2%	\$54,770	\$ 604,960	12.3%	\$73,225	\$ 756,203	10.5%	\$62,509	\$ 661,684
2025	611,700	9.2	56,276	610,763	12.3	75,239	763,457	10.5	64,229	668,031
2026	628,522	9.2	57,824	615,967	12.3	77,308	769,963	10.5	65,995	673,723
2027	645,806	9.2	59,414	620,503	12.3	79,434	775,633	10.5	67,810	678,684
2028	663,566	9.2	61,048	624,296	12.3	81,619	780,374	10.5	69,674	682,832
2029	681,814	9.2	62,727	627,264	12.3	83,863	784,084	10.5	71,590	686,078
2030	700,564	9.2	64,452	629,320	12.3	86,169	786,654	10.5	73,559	688,326
2031	719,830	9.2	66,224	630,369	12.3	88,539	787,965	10.5	75,582	689,473
2032	739,625	9.2	68,046	630,308	12.3	90,974	787,889	10.5	77,661	689,407
2033	759,965	9.2	69,917	629,028	12.3	93,476	786,289	10.5	79,796	688,007

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	13.2%	\$78,583	\$ 798,773	15.3%	\$91,085	\$ 907,456	16.0%	\$95,252	\$ 935,806
2025	611,700	13.2	80,744	806,435	15.3	93,590	916,161	16.0	97,872	944,783
2026	628,522	13.2	82,965	813,307	15.3	96,164	923,968	16.0	100,564	952,834
2027	645,806	13.2	85,246	819,296	15.3	98,808	930,772	16.0	103,329	959,851
2028	663,566	13.2	87,591	824,304	15.3	101,526	936,461	16.0	106,171	965,718
2029	681,814	13.2	89,999	828,223	15.3	104,318	940,913	16.0	109,090	970,309
2030	700,564	13.2	92,474	830,937	15.3	107,186	943,996	16.0	112,090	973,489
2031	719,830	13.2	95,018	832,321	15.3	110,134	945,569	16.0	115,173	975,111
2032	739,625	13.2	97,631	832,241	15.3	113,163	945,478	16.0	118,340	975,017
2033	759,965	13.2	100,315	830,551	15.3	116,275	943,558	16.0	121,594	973,037

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	18.4%	\$109,540	\$ 1,058,706	18.7%	\$111,326	\$ 1,072,884	21.5%	\$127,996	\$ 1,209,717
2025	611,700	18.4	112,553	1,068,862	18.7	114,388	1,083,176	21.5	131,516	1,221,321
2026	628,522	18.4	115,648	1,077,970	18.7	117,534	1,092,406	21.5	135,132	1,231,728
2027	645,806	18.4	118,828	1,085,908	18.7	120,766	1,100,451	21.5	138,848	1,240,799
2028	663,566	18.4	122,096	1,092,545	18.7	124,087	1,107,177	21.5	142,667	1,248,383
2029	681,814	18.4	125,454	1,097,739	18.7	127,499	1,112,441	21.5	146,590	1,254,318
2030	700,564	18.4	128,904	1,101,336	18.7	131,005	1,116,087	21.5	150,621	1,258,429
2031	719,830	18.4	132,449	1,103,171	18.7	134,608	1,117,947	21.5	154,763	1,260,526
2032	739,625	18.4	136,091	1,103,065	18.7	138,310	1,117,839	21.5	159,019	1,260,405
2033	759,965	18.4	139,834	1,100,825	18.7	142,113	1,115,569	21.5	163,392	1,257,845

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	7.3%	\$43,459	\$ 604,960	10.4%	\$61,914	\$ 756,203	8.6%	\$51,198	\$ 661,684
2025	611,700	7.3	44,654	610,763	10.4	63,617	763,457	8.6	52,606	668,031
2026	628,522	7.3	45,882	615,967	10.4	65,366	769,963	8.6	54,053	673,723
2027	645,806	7.3	47,144	620,503	10.4	67,164	775,633	8.6	55,539	678,684
2028	663,566	7.3	48,440	624,296	10.4	69,011	780,374	8.6	57,067	682,832
2029	681,814	7.3	49,772	627,264	10.4	70,909	784,084	8.6	58,636	686,078
2030	700,564	7.3	51,141	629,320	10.4	72,859	786,654	8.6	60,249	688,326
2031	719,830	7.3	52,548	630,369	10.4	74,862	787,965	8.6	61,905	689,473
2032	739,625	7.3	53,993	630,308	10.4	76,921	787,889	8.6	63,608	689,407
2033	759,965	7.3	55,477	629,028	10.4	79,036	786,289	8.6	65,357	688,007

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	11.3%	\$67,272	\$ 798,773	13.4%	\$79,774	\$ 907,456	14.1%	\$83,941	\$ 935,806
2025	611,700	11.3	69,122	806,435	13.4	81,968	916,161	14.1	86,250	944,783
2026	628,522	11.3	71,023	813,307	13.4	84,222	923,968	14.1	88,622	952,834
2027	645,806	11.3	72,976	819,296	13.4	86,538	930,772	14.1	91,059	959,851
2028	663,566	11.3	74,983	824,304	13.4	88,918	936,461	14.1	93,563	965,718
2029	681,814	11.3	77,045	828,223	13.4	91,363	940,913	14.1	96,136	970,309
2030	700,564	11.3	79,164	830,937	13.4	93,876	943,996	14.1	98,780	973,489
2031	719,830	11.3	81,341	832,321	13.4	96,457	945,569	14.1	101,496	975,111
2032	739,625	11.3	83,578	832,241	13.4	99,110	945,478	14.1	104,287	975,017
2033	759,965	11.3	85,876	830,551	13.4	101,835	943,558	14.1	107,155	973,037

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	16.5%	\$98,229	\$ 1,058,706	16.8%	\$100,015	\$ 1,072,884	19.6%	\$116,684	\$ 1,209,717
2025	611,700	16.5	100,931	1,068,862	16.8	102,766	1,083,176	19.6	119,893	1,221,321
2026	628,522	16.5	103,706	1,077,970	16.8	105,592	1,092,406	19.6	123,190	1,231,728
2027	645,806	16.5	106,558	1,085,908	16.8	108,495	1,100,451	19.6	126,578	1,240,799
2028	663,566	16.5	109,488	1,092,545	16.8	111,479	1,107,177	19.6	130,059	1,248,383
2029	681,814	16.5	112,499	1,097,739	16.8	114,545	1,112,441	19.6	133,636	1,254,318
2030	700,564	16.5	115,593	1,101,336	16.8	117,695	1,116,087	19.6	137,311	1,258,429
2031	719,830	16.5	118,772	1,103,171	16.8	120,931	1,117,947	19.6	141,087	1,260,526
2032	739,625	16.5	122,038	1,103,065	16.8	124,257	1,117,839	19.6	144,967	1,260,405
2033	759,965	16.5	125,394	1,100,825	16.8	127,674	1,115,569	19.6	148,953	1,257,845

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	13.6%	\$80,965	\$ 650,978	16.8%	\$100,015	\$ 813,724	16.0%	\$95,252	\$ 795,783
2025	611,700	13.6	83,191	657,223	16.8	102,766	821,530	16.0	97,872	803,417
2026	628,522	13.6	85,479	662,823	16.8	105,592	828,530	16.0	100,564	810,263
2027	645,806	13.6	87,830	667,704	16.8	108,495	834,631	16.0	103,329	816,230
2028	663,566	13.6	90,245	671,785	16.8	111,479	839,732	16.0	106,171	821,219
2029	681,814	13.6	92,727	674,979	16.8	114,545	843,724	16.0	109,090	825,123
2030	700,564	13.6	95,277	677,191	16.8	117,695	846,489	16.0	112,090	827,827
2031	719,830	13.6	97,897	678,319	16.8	120,931	847,899	16.0	115,173	829,206
2032	739,625	13.6	100,589	678,254	16.8	124,257	847,817	16.0	118,340	829,126
2033	759,965	13.6	103,355	676,877	16.8	127,674	846,095	16.0	121,594	827,442

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	18.6%	\$110,731	\$ 922,315	19.9%	\$118,470	\$ 976,444	21.2%	\$126,210	\$ 1,048,841
2025	611,700	18.6	113,776	931,162	19.9	121,728	985,811	21.2	129,680	1,058,902
2026	628,522	18.6	116,905	939,097	19.9	125,076	994,211	21.2	133,247	1,067,925
2027	645,806	18.6	120,120	946,013	19.9	128,515	1,001,533	21.2	136,911	1,075,789
2028	663,566	18.6	123,423	951,795	19.9	132,050	1,007,655	21.2	140,676	1,082,364
2029	681,814	18.6	126,817	956,320	19.9	135,681	1,012,446	21.2	144,545	1,087,510
2030	700,564	18.6	130,305	959,454	19.9	139,412	1,015,764	21.2	148,520	1,091,074
2031	719,830	18.6	133,888	961,053	19.9	143,246	1,017,456	21.2	152,604	1,092,892
2032	739,625	18.6	137,570	960,961	19.9	147,185	1,017,358	21.2	156,801	1,092,787
2033	759,965	18.6	141,353	959,009	19.9	151,233	1,015,292	21.2	161,113	1,090,568

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	23.2%	\$138,116	\$ 1,139,249	23.7%	\$141,093	\$ 1,175,439	26.4%	\$157,167	\$ 1,301,926
2025	611,700	23.2	141,914	1,150,177	23.7	144,973	1,186,715	26.4	161,489	1,314,415
2026	628,522	23.2	145,817	1,159,978	23.7	148,960	1,196,827	26.4	165,930	1,325,615
2027	645,806	23.2	149,827	1,168,520	23.7	153,056	1,205,641	26.4	170,493	1,335,377
2028	663,566	23.2	153,947	1,175,662	23.7	157,265	1,213,010	26.4	175,181	1,343,539
2029	681,814	23.2	158,181	1,181,251	23.7	161,590	1,218,777	26.4	179,999	1,349,926
2030	700,564	23.2	162,531	1,185,122	23.7	166,034	1,222,771	26.4	184,949	1,354,350
2031	719,830	23.2	167,001	1,187,097	23.7	170,600	1,224,808	26.4	190,035	1,356,607
2032	739,625	23.2	171,593	1,186,983	23.7	175,291	1,224,690	26.4	195,261	1,356,476
2033	759,965	23.2	176,312	1,184,572	23.7	180,112	1,222,203	26.4	200,631	1,353,721

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	11.7%	\$69,653	\$ 650,978	14.9%	\$88,704	\$ 813,724	14.1%	\$83,941	\$ 795,783
2025	611,700	11.7	71,569	657,223	14.9	91,143	821,530	14.1	86,250	803,417
2026	628,522	11.7	73,537	662,823	14.9	93,650	828,530	14.1	88,622	810,263
2027	645,806	11.7	75,559	667,704	14.9	96,225	834,631	14.1	91,059	816,230
2028	663,566	11.7	77,637	671,785	14.9	98,871	839,732	14.1	93,563	821,219
2029	681,814	11.7	79,772	674,979	14.9	101,590	843,724	14.1	96,136	825,123
2030	700,564	11.7	81,966	677,191	14.9	104,384	846,489	14.1	98,780	827,827
2031	719,830	11.7	84,220	678,319	14.9	107,255	847,899	14.1	101,496	829,206
2032	739,625	11.7	86,536	678,254	14.9	110,204	847,817	14.1	104,287	829,126
2033	759,965	11.7	88,916	676,877	14.9	113,235	846,095	14.1	107,155	827,442

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	16.7%	\$99,420	\$ 922,315	18.0%	\$107,159	\$ 976,444	19.3%	\$114,898	\$ 1,048,841
2025	611,700	16.7	102,154	931,162	18.0	110,106	985,811	19.3	118,058	1,058,902
2026	628,522	16.7	104,963	939,097	18.0	113,134	994,211	19.3	121,305	1,067,925
2027	645,806	16.7	107,850	946,013	18.0	116,245	1,001,533	19.3	124,641	1,075,789
2028	663,566	16.7	110,816	951,795	18.0	119,442	1,007,655	19.3	128,068	1,082,364
2029	681,814	16.7	113,863	956,320	18.0	122,727	1,012,446	19.3	131,590	1,087,510
2030	700,564	16.7	116,994	959,454	18.0	126,102	1,015,764	19.3	135,209	1,091,074
2031	719,830	16.7	120,212	961,053	18.0	129,569	1,017,456	19.3	138,927	1,092,892
2032	739,625	16.7	123,517	960,961	18.0	133,133	1,017,358	19.3	142,748	1,092,787
2033	759,965	16.7	126,914	959,009	18.0	136,794	1,015,292	19.3	146,673	1,090,568

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	21.3%	\$126,805	\$ 1,139,249	21.8%	\$129,782	\$ 1,175,439	24.5%	\$145,855	\$ 1,301,926
2025	611,700	21.3	130,292	1,150,177	21.8	133,351	1,186,715	24.5	149,867	1,314,415
2026	628,522	21.3	133,875	1,159,978	21.8	137,018	1,196,827	24.5	153,988	1,325,615
2027	645,806	21.3	137,557	1,168,520	21.8	140,786	1,205,641	24.5	158,222	1,335,377
2028	663,566	21.3	141,340	1,175,662	21.8	144,657	1,213,010	24.5	162,574	1,343,539
2029	681,814	21.3	145,226	1,181,251	21.8	148,635	1,218,777	24.5	167,044	1,349,926
2030	700,564	21.3	149,220	1,185,122	21.8	152,723	1,222,771	24.5	171,638	1,354,350
2031	719,830	21.3	153,324	1,187,097	21.8	156,923	1,224,808	24.5	176,358	1,356,607
2032	739,625	21.3	157,540	1,186,983	21.8	161,238	1,224,690	24.5	181,208	1,356,476
2033	759,965	21.3	161,873	1,184,572	21.8	165,672	1,222,203	24.5	186,191	1,353,721

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	9.8%	\$58,342	\$ 650,978	13.0%	\$77,393	\$ 813,724	12.2%	\$72,630	\$ 795,783
2025	611,700	9.8	59,947	657,223	13.0	79,521	821,530	12.2	74,627	803,417
2026	628,522	9.8	61,595	662,823	13.0	81,708	828,530	12.2	76,680	810,263
2027	645,806	9.8	63,289	667,704	13.0	83,955	834,631	12.2	78,788	816,230
2028	663,566	9.8	65,029	671,785	13.0	86,264	839,732	12.2	80,955	821,219
2029	681,814	9.8	66,818	674,979	13.0	88,636	843,724	12.2	83,181	825,123
2030	700,564	9.8	68,655	677,191	13.0	91,073	846,489	12.2	85,469	827,827
2031	719,830	9.8	70,543	678,319	13.0	93,578	847,899	12.2	87,819	829,206
2032	739,625	9.8	72,483	678,254	13.0	96,151	847,817	12.2	90,234	829,126
2033	759,965	9.8	74,477	676,877	13.0	98,795	846,095	12.2	92,716	827,442

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	14.8%	\$88,109	\$ 922,315	16.1%	\$95,848	\$ 976,444	17.4%	\$103,587	\$ 1,048,841
2025	611,700	14.8	90,532	931,162	16.1	98,484	985,811	17.4	106,436	1,058,902
2026	628,522	14.8	93,021	939,097	16.1	101,192	994,211	17.4	109,363	1,067,925
2027	645,806	14.8	95,579	946,013	16.1	103,975	1,001,533	17.4	112,370	1,075,789
2028	663,566	14.8	98,208	951,795	16.1	106,834	1,007,655	17.4	115,460	1,082,364
2029	681,814	14.8	100,908	956,320	16.1	109,772	1,012,446	17.4	118,636	1,087,510
2030	700,564	14.8	103,683	959,454	16.1	112,791	1,015,764	17.4	121,898	1,091,074
2031	719,830	14.8	106,535	961,053	16.1	115,893	1,017,456	17.4	125,250	1,092,892
2032	739,625	14.8	109,465	960,961	16.1	119,080	1,017,358	17.4	128,695	1,092,787
2033	759,965	14.8	112,475	959,009	16.1	122,354	1,015,292	17.4	132,234	1,090,568

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	19.4%	\$115,494	\$ 1,139,249	19.9%	\$118,470	\$ 1,175,439	22.6%	\$134,544	\$ 1,301,926
2025	611,700	19.4	118,670	1,150,177	19.9	121,728	1,186,715	22.6	138,244	1,314,415
2026	628,522	19.4	121,933	1,159,978	19.9	125,076	1,196,827	22.6	142,046	1,325,615
2027	645,806	19.4	125,286	1,168,520	19.9	128,515	1,205,641	22.6	145,952	1,335,377
2028	663,566	19.4	128,732	1,175,662	19.9	132,050	1,213,010	22.6	149,966	1,343,539
2029	681,814	19.4	132,272	1,181,251	19.9	135,681	1,218,777	22.6	154,090	1,349,926
2030	700,564	19.4	135,909	1,185,122	19.9	139,412	1,222,771	22.6	158,327	1,354,350
2031	719,830	19.4	139,647	1,187,097	19.9	143,246	1,224,808	22.6	162,682	1,356,607
2032	739,625	19.4	143,487	1,186,983	19.9	147,185	1,224,690	22.6	167,155	1,356,476
2033	759,965	19.4	147,433	1,184,572	19.9	151,233	1,222,203	22.6	171,752	1,353,721

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	7.9%	\$47,031	\$ 650,978	11.1%	\$66,081	\$ 813,724	10.3%	\$61,319	\$ 795,783
2025	611,700	7.9	48,324	657,223	11.1	67,899	821,530	10.3	63,005	803,417
2026	628,522	7.9	49,653	662,823	11.1	69,766	828,530	10.3	64,738	810,263
2027	645,806	7.9	51,019	667,704	11.1	71,684	834,631	10.3	66,518	816,230
2028	663,566	7.9	52,422	671,785	11.1	73,656	839,732	10.3	68,347	821,219
2029	681,814	7.9	53,863	674,979	11.1	75,681	843,724	10.3	70,227	825,123
2030	700,564	7.9	55,345	677,191	11.1	77,763	846,489	10.3	72,158	827,827
2031	719,830	7.9	56,867	678,319	11.1	79,901	847,899	10.3	74,142	829,206
2032	739,625	7.9	58,430	678,254	11.1	82,098	847,817	10.3	76,181	829,126
2033	759,965	7.9	60,037	676,877	11.1	84,356	846,095	10.3	78,276	827,442

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	12.9%	\$76,797	\$ 922,315	14.2%	\$84,537	\$ 976,444	15.5%	\$92,276	\$ 1,048,841
2025	611,700	12.9	78,909	931,162	14.2	86,861	985,811	15.5	94,814	1,058,902
2026	628,522	12.9	81,079	939,097	14.2	89,250	994,211	15.5	97,421	1,067,925
2027	645,806	12.9	83,309	946,013	14.2	91,704	1,001,533	15.5	100,100	1,075,789
2028	663,566	12.9	85,600	951,795	14.2	94,226	1,007,655	15.5	102,853	1,082,364
2029	681,814	12.9	87,954	956,320	14.2	96,818	1,012,446	15.5	105,681	1,087,510
2030	700,564	12.9	90,373	959,454	14.2	99,480	1,015,764	15.5	108,587	1,091,074
2031	719,830	12.9	92,858	961,053	14.2	102,216	1,017,456	15.5	111,574	1,092,892
2032	739,625	12.9	95,412	960,961	14.2	105,027	1,017,358	15.5	114,642	1,092,787
2033	759,965	12.9	98,035	959,009	14.2	107,915	1,015,292	15.5	117,795	1,090,568

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	17.5%	\$104,182	\$ 1,139,249	18.0%	\$107,159	\$ 1,175,439	20.7%	\$123,233	\$ 1,301,926
2025	611,700	17.5	107,048	1,150,177	18.0	110,106	1,186,715	20.7	126,622	1,314,415
2026	628,522	17.5	109,991	1,159,978	18.0	113,134	1,196,827	20.7	130,104	1,325,615
2027	645,806	17.5	113,016	1,168,520	18.0	116,245	1,205,641	20.7	133,682	1,335,377
2028	663,566	17.5	116,124	1,175,662	18.0	119,442	1,213,010	20.7	137,358	1,343,539
2029	681,814	17.5	119,317	1,181,251	18.0	122,727	1,218,777	20.7	141,135	1,349,926
2030	700,564	17.5	122,599	1,185,122	18.0	126,102	1,222,771	20.7	145,017	1,354,350
2031	719,830	17.5	125,970	1,187,097	18.0	129,569	1,224,808	20.7	149,005	1,356,607
2032	739,625	17.5	129,434	1,186,983	18.0	133,133	1,224,690	20.7	153,102	1,356,476
2033	759,965	17.5	132,994	1,184,572	18.0	136,794	1,222,203	20.7	157,313	1,353,721

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	14.0%	\$83,346	\$ 672,958	17.4%	\$103,587	\$ 841,221	16.6%	\$98,824	\$ 823,057
2025	611,700	14.0	85,638	679,413	17.4	106,436	849,291	16.6	101,542	830,952
2026	628,522	14.0	87,993	685,202	17.4	109,363	856,528	16.6	104,335	838,033
2027	645,806	14.0	90,413	690,248	17.4	112,370	862,836	16.6	107,204	844,204
2028	663,566	14.0	92,899	694,467	17.4	115,460	868,110	16.6	110,152	849,364
2029	681,814	14.0	95,454	697,769	17.4	118,636	872,237	16.6	113,181	853,402
2030	700,564	14.0	98,079	700,056	17.4	121,898	875,095	16.6	116,294	856,199
2031	719,830	14.0	100,776	701,222	17.4	125,250	876,553	16.6	119,492	857,626
2032	739,625	14.0	103,548	701,155	17.4	128,695	876,469	16.6	122,778	857,543
2033	759,965	14.0	106,395	699,731	17.4	132,234	874,689	16.6	126,154	855,801

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	19.3%	\$114,898	\$ 953,794	20.6%	\$122,638	\$ 1,009,468	21.8%	\$129,782	\$ 1,084,515
2025	611,700	19.3	118,058	962,943	20.6	126,010	1,019,151	21.8	133,351	1,094,918
2026	628,522	19.3	121,305	971,148	20.6	129,476	1,027,835	21.8	137,018	1,104,248
2027	645,806	19.3	124,641	978,300	20.6	133,036	1,035,404	21.8	140,786	1,112,380
2028	663,566	19.3	128,068	984,280	20.6	136,695	1,041,733	21.8	144,657	1,119,179
2029	681,814	19.3	131,590	988,959	20.6	140,454	1,046,686	21.8	148,635	1,124,500
2030	700,564	19.3	135,209	992,200	20.6	144,316	1,050,116	21.8	152,723	1,128,185
2031	719,830	19.3	138,927	993,853	20.6	148,285	1,051,866	21.8	156,923	1,130,065
2032	739,625	19.3	142,748	993,757	20.6	152,363	1,051,765	21.8	161,238	1,129,956
2033	759,965	19.3	146,673	991,739	20.6	156,553	1,049,629	21.8	165,672	1,127,661

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	23.9%	\$142,283	\$ 1,177,691	24.5%	\$145,855	\$ 1,215,219	27.2%	\$161,929	\$ 1,345,929
2025	611,700	23.9	146,196	1,188,988	24.5	149,867	1,226,876	27.2	166,382	1,358,840
2026	628,522	23.9	150,217	1,199,120	24.5	153,988	1,237,330	27.2	170,958	1,370,419
2027	645,806	23.9	154,348	1,207,951	24.5	158,222	1,246,442	27.2	175,659	1,380,511
2028	663,566	23.9	158,592	1,215,334	24.5	162,574	1,254,061	27.2	180,490	1,388,949
2029	681,814	23.9	162,954	1,221,112	24.5	167,044	1,260,023	27.2	185,453	1,395,552
2030	700,564	23.9	167,435	1,225,114	24.5	171,638	1,264,152	27.2	190,553	1,400,125
2031	719,830	23.9	172,039	1,227,155	24.5	176,358	1,266,258	27.2	195,794	1,402,458
2032	739,625	23.9	176,770	1,227,037	24.5	181,208	1,266,136	27.2	201,178	1,402,323
2033	759,965	23.9	181,632	1,224,545	24.5	186,191	1,263,565	27.2	206,710	1,399,475

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	12.1%	\$72,035	\$ 672,958	15.5%	\$92,276	\$ 841,221	14.7%	\$87,513	\$ 823,057
2025	611,700	12.1	74,016	679,413	15.5	94,814	849,291	14.7	89,920	830,952
2026	628,522	12.1	76,051	685,202	15.5	97,421	856,528	14.7	92,393	838,033
2027	645,806	12.1	78,143	690,248	15.5	100,100	862,836	14.7	94,933	844,204
2028	663,566	12.1	80,291	694,467	15.5	102,853	868,110	14.7	97,544	849,364
2029	681,814	12.1	82,499	697,769	15.5	105,681	872,237	14.7	100,227	853,402
2030	700,564	12.1	84,768	700,056	15.5	108,587	875,095	14.7	102,983	856,199
2031	719,830	12.1	87,099	701,222	15.5	111,574	876,553	14.7	105,815	857,626
2032	739,625	12.1	89,495	701,155	15.5	114,642	876,469	14.7	108,725	857,543
2033	759,965	12.1	91,956	699,731	15.5	117,795	874,689	14.7	111,715	855,801

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	17.4%	\$103,587	\$ 953,794	18.7%	\$111,326	\$ 1,009,468	19.9%	\$118,470	\$ 1,084,515
2025	611,700	17.4	106,436	962,943	18.7	114,388	1,019,151	19.9	121,728	1,094,918
2026	628,522	17.4	109,363	971,148	18.7	117,534	1,027,835	19.9	125,076	1,104,248
2027	645,806	17.4	112,370	978,300	18.7	120,766	1,035,404	19.9	128,515	1,112,380
2028	663,566	17.4	115,460	984,280	18.7	124,087	1,041,733	19.9	132,050	1,119,179
2029	681,814	17.4	118,636	988,959	18.7	127,499	1,046,686	19.9	135,681	1,124,500
2030	700,564	17.4	121,898	992,200	18.7	131,005	1,050,116	19.9	139,412	1,128,185
2031	719,830	17.4	125,250	993,853	18.7	134,608	1,051,866	19.9	143,246	1,130,065
2032	739,625	17.4	128,695	993,757	18.7	138,310	1,051,765	19.9	147,185	1,129,956
2033	759,965	17.4	132,234	991,739	18.7	142,113	1,049,629	19.9	151,233	1,127,661

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	22.0%	\$130,972	\$ 1,177,691	22.6%	\$134,544	\$ 1,215,219	25.3%	\$150,618	\$ 1,345,929
2025	611,700	22.0	134,574	1,188,988	22.6	138,244	1,226,876	25.3	154,760	1,358,840
2026	628,522	22.0	138,275	1,199,120	22.6	142,046	1,237,330	25.3	159,016	1,370,419
2027	645,806	22.0	142,077	1,207,951	22.6	145,952	1,246,442	25.3	163,389	1,380,511
2028	663,566	22.0	145,985	1,215,334	22.6	149,966	1,254,061	25.3	167,882	1,388,949
2029	681,814	22.0	149,999	1,221,112	22.6	154,090	1,260,023	25.3	172,499	1,395,552
2030	700,564	22.0	154,124	1,225,114	22.6	158,327	1,264,152	25.3	177,243	1,400,125
2031	719,830	22.0	158,363	1,227,155	22.6	162,682	1,266,258	25.3	182,117	1,402,458
2032	739,625	22.0	162,718	1,227,037	22.6	167,155	1,266,136	25.3	187,125	1,402,323
2033	759,965	22.0	167,192	1,224,545	22.6	171,752	1,263,565	25.3	192,271	1,399,475

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	10.2%	\$60,723	\$ 672,958	13.6%	\$80,965	\$ 841,221	12.8%	\$76,202	\$ 823,057
2025	611,700	10.2	62,393	679,413	13.6	83,191	849,291	12.8	78,298	830,952
2026	628,522	10.2	64,109	685,202	13.6	85,479	856,528	12.8	80,451	838,033
2027	645,806	10.2	65,872	690,248	13.6	87,830	862,836	12.8	82,663	844,204
2028	663,566	10.2	67,684	694,467	13.6	90,245	868,110	12.8	84,936	849,364
2029	681,814	10.2	69,545	697,769	13.6	92,727	872,237	12.8	87,272	853,402
2030	700,564	10.2	71,458	700,056	13.6	95,277	875,095	12.8	89,672	856,199
2031	719,830	10.2	73,423	701,222	13.6	97,897	876,553	12.8	92,138	857,626
2032	739,625	10.2	75,442	701,155	13.6	100,589	876,469	12.8	94,672	857,543
2033	759,965	10.2	77,516	699,731	13.6	103,355	874,689	12.8	97,276	855,801

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	15.5%	\$92,276	\$ 953,794	16.8%	\$100,015	\$ 1,009,468	18.0%	\$107,159	\$ 1,084,515
2025	611,700	15.5	94,814	962,943	16.8	102,766	1,019,151	18.0	110,106	1,094,918
2026	628,522	15.5	97,421	971,148	16.8	105,592	1,027,835	18.0	113,134	1,104,248
2027	645,806	15.5	100,100	978,300	16.8	108,495	1,035,404	18.0	116,245	1,112,380
2028	663,566	15.5	102,853	984,280	16.8	111,479	1,041,733	18.0	119,442	1,119,179
2029	681,814	15.5	105,681	988,959	16.8	114,545	1,046,686	18.0	122,727	1,124,500
2030	700,564	15.5	108,587	992,200	16.8	117,695	1,050,116	18.0	126,102	1,128,185
2031	719,830	15.5	111,574	993,853	16.8	120,931	1,051,866	18.0	129,569	1,130,065
2032	739,625	15.5	114,642	993,757	16.8	124,257	1,051,765	18.0	133,133	1,129,956
2033	759,965	15.5	117,795	991,739	16.8	127,674	1,049,629	18.0	136,794	1,127,661

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	20.1%	\$119,661	\$ 1,177,691	20.7%	\$123,233	\$ 1,215,219	23.4%	\$139,307	\$ 1,345,929
2025	611,700	20.1	122,952	1,188,988	20.7	126,622	1,226,876	23.4	143,138	1,358,840
2026	628,522	20.1	126,333	1,199,120	20.7	130,104	1,237,330	23.4	147,074	1,370,419
2027	645,806	20.1	129,807	1,207,951	20.7	133,682	1,246,442	23.4	151,119	1,380,511
2028	663,566	20.1	133,377	1,215,334	20.7	137,358	1,254,061	23.4	155,274	1,388,949
2029	681,814	20.1	137,045	1,221,112	20.7	141,135	1,260,023	23.4	159,544	1,395,552
2030	700,564	20.1	140,813	1,225,114	20.7	145,017	1,264,152	23.4	163,932	1,400,125
2031	719,830	20.1	144,686	1,227,155	20.7	149,005	1,266,258	23.4	168,440	1,402,458
2032	739,625	20.1	148,665	1,227,037	20.7	153,102	1,266,136	23.4	173,072	1,402,323
2033	759,965	20.1	152,753	1,224,545	20.7	157,313	1,263,565	23.4	177,832	1,399,475

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - General

Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	8.3%	\$49,412	\$ 672,958	11.7%	\$69,653	\$ 841,221	10.9%	\$64,891	\$ 823,057
2025	611,700	8.3	50,771	679,413	11.7	71,569	849,291	10.9	66,675	830,952
2026	628,522	8.3	52,167	685,202	11.7	73,537	856,528	10.9	68,509	838,033
2027	645,806	8.3	53,602	690,248	11.7	75,559	862,836	10.9	70,393	844,204
2028	663,566	8.3	55,076	694,467	11.7	77,637	868,110	10.9	72,329	849,364
2029	681,814	8.3	56,591	697,769	11.7	79,772	872,237	10.9	74,318	853,402
2030	700,564	8.3	58,147	700,056	11.7	81,966	875,095	10.9	76,361	856,199
2031	719,830	8.3	59,746	701,222	11.7	84,220	876,553	10.9	78,461	857,626
2032	739,625	8.3	61,389	701,155	11.7	86,536	876,469	10.9	80,619	857,543
2033	759,965	8.3	63,077	699,731	11.7	88,916	874,689	10.9	82,836	855,801

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	13.6%	\$80,965	\$ 953,794	14.9%	\$88,704	\$ 1,009,468	16.1%	\$95,848	\$ 1,084,515
2025	611,700	13.6	83,191	962,943	14.9	91,143	1,019,151	16.1	98,484	1,094,918
2026	628,522	13.6	85,479	971,148	14.9	93,650	1,027,835	16.1	101,192	1,104,248
2027	645,806	13.6	87,830	978,300	14.9	96,225	1,035,404	16.1	103,975	1,112,380
2028	663,566	13.6	90,245	984,280	14.9	98,871	1,041,733	16.1	106,834	1,119,179
2029	681,814	13.6	92,727	988,959	14.9	101,590	1,046,686	16.1	109,772	1,124,500
2030	700,564	13.6	95,277	992,200	14.9	104,384	1,050,116	16.1	112,791	1,128,185
2031	719,830	13.6	97,897	993,853	14.9	107,255	1,051,866	16.1	115,893	1,130,065
2032	739,625	13.6	100,589	993,757	14.9	110,204	1,051,765	16.1	119,080	1,129,956
2033	759,965	13.6	103,355	991,739	14.9	113,235	1,049,629	16.1	122,354	1,127,661

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 595,328	18.2%	\$108,350	\$ 1,177,691	18.8%	\$111,922	\$ 1,215,219	21.5%	\$127,996	\$ 1,345,929
2025	611,700	18.2	111,329	1,188,988	18.8	115,000	1,226,876	21.5	131,516	1,358,840
2026	628,522	18.2	114,391	1,199,120	18.8	118,162	1,237,330	21.5	135,132	1,370,419
2027	645,806	18.2	117,537	1,207,951	18.8	121,412	1,246,442	21.5	138,848	1,380,511
2028	663,566	18.2	120,769	1,215,334	18.8	124,750	1,254,061	21.5	142,667	1,388,949
2029	681,814	18.2	124,090	1,221,112	18.8	128,181	1,260,023	21.5	146,590	1,395,552
2030	700,564	18.2	127,503	1,225,114	18.8	131,706	1,264,152	21.5	150,621	1,400,125
2031	719,830	18.2	131,009	1,227,155	18.8	135,328	1,266,258	21.5	154,763	1,402,458
2032	739,625	18.2	134,612	1,227,037	18.8	139,050	1,266,136	21.5	159,019	1,402,323
2033	759,965	18.2	138,314	1,224,545	18.8	142,873	1,263,565	21.5	163,392	1,399,475

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	9.4%	\$29,132	\$ 66,504	11.5%	\$35,641	\$ 83,135	11.2%	\$34,711	\$ 82,155
2025	318,443	9.4	29,934	67,142	11.5	36,621	83,932	11.2	35,666	82,943
2026	327,200	9.4	30,757	67,714	11.5	37,628	84,647	11.2	36,646	83,650
2027	336,198	9.4	31,603	68,213	11.5	38,663	85,270	11.2	37,654	84,266
2028	345,443	9.4	32,472	68,630	11.5	39,726	85,791	11.2	38,690	84,781
2029	354,943	9.4	33,365	68,956	11.5	40,818	86,199	11.2	39,754	85,184
2030	364,704	9.4	34,282	69,182	11.5	41,941	86,481	11.2	40,847	85,463
2031	374,733	9.4	35,225	69,297	11.5	43,094	86,625	11.2	41,970	85,605
2032	385,038	9.4	36,194	69,290	11.5	44,279	86,617	11.2	43,124	85,597
2033	395,627	9.4	37,189	69,149	11.5	45,497	86,441	11.2	44,310	85,423

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	12.9%	\$39,980	\$ 94,877	13.6%	\$42,149	\$ 99,768	14.5%	\$44,938	\$ 107,613
2025	318,443	12.9	41,079	95,787	13.6	43,308	100,725	14.5	46,174	108,645
2026	327,200	12.9	42,209	96,603	13.6	44,499	101,583	14.5	47,444	109,571
2027	336,198	12.9	43,370	97,314	13.6	45,723	102,331	14.5	48,749	110,378
2028	345,443	12.9	44,562	97,909	13.6	46,980	102,956	14.5	50,089	111,053
2029	354,943	12.9	45,788	98,374	13.6	48,272	103,445	14.5	51,467	111,581
2030	364,704	12.9	47,047	98,696	13.6	49,600	103,784	14.5	52,882	111,947
2031	374,733	12.9	48,341	98,860	13.6	50,964	103,957	14.5	54,336	112,134
2032	385,038	12.9	49,670	98,850	13.6	52,365	103,947	14.5	55,831	112,123
2033	395,627	12.9	51,036	98,649	13.6	53,805	103,736	14.5	57,366	111,895

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	15.7%	\$48,657	\$ 116,401	16.2%	\$50,207	\$ 120,309	17.8%	\$55,166	\$ 132,997
2025	318,443	15.7	49,996	117,518	16.2	51,588	121,463	17.8	56,683	134,273
2026	327,200	15.7	51,370	118,519	16.2	53,006	122,498	17.8	58,242	135,417
2027	336,198	15.7	52,783	119,392	16.2	54,464	123,400	17.8	59,843	136,414
2028	345,443	15.7	54,235	120,122	16.2	55,962	124,154	17.8	61,489	137,248
2029	354,943	15.7	55,726	120,693	16.2	57,501	124,744	17.8	63,180	137,901
2030	364,704	15.7	57,259	121,089	16.2	59,082	125,153	17.8	64,917	138,353
2031	374,733	15.7	58,833	121,291	16.2	60,707	125,362	17.8	66,702	138,584
2032	385,038	15.7	60,451	121,279	16.2	62,376	125,350	17.8	68,537	138,571
2033	395,627	15.7	62,113	121,033	16.2	64,092	125,095	17.8	70,422	138,290

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	7.5%	\$23,244	\$ 66,504	9.6%	\$29,752	\$ 83,135	9.3%	\$28,823	\$ 82,155
2025	318,443	7.5	23,883	67,142	9.6	30,571	83,932	9.3	29,615	82,943
2026	327,200	7.5	24,540	67,714	9.6	31,411	84,647	9.3	30,430	83,650
2027	336,198	7.5	25,215	68,213	9.6	32,275	85,270	9.3	31,266	84,266
2028	345,443	7.5	25,908	68,630	9.6	33,163	85,791	9.3	32,126	84,781
2029	354,943	7.5	26,621	68,956	9.6	34,075	86,199	9.3	33,010	85,184
2030	364,704	7.5	27,353	69,182	9.6	35,012	86,481	9.3	33,917	85,463
2031	374,733	7.5	28,105	69,297	9.6	35,974	86,625	9.3	34,850	85,605
2032	385,038	7.5	28,878	69,290	9.6	36,964	86,617	9.3	35,809	85,597
2033	395,627	7.5	29,672	69,149	9.6	37,980	86,441	9.3	36,793	85,423

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	11.0%	\$34,091	\$ 94,877	11.7%	\$36,261	\$ 99,768	12.6%	\$39,050	\$ 107,613
2025	318,443	11.0	35,029	95,787	11.7	37,258	100,725	12.6	40,124	108,645
2026	327,200	11.0	35,992	96,603	11.7	38,282	101,583	12.6	41,227	109,571
2027	336,198	11.0	36,982	97,314	11.7	39,335	102,331	12.6	42,361	110,378
2028	345,443	11.0	37,999	97,909	11.7	40,417	102,956	12.6	43,526	111,053
2029	354,943	11.0	39,044	98,374	11.7	41,528	103,445	12.6	44,723	111,581
2030	364,704	11.0	40,117	98,696	11.7	42,670	103,784	12.6	45,953	111,947
2031	374,733	11.0	41,221	98,860	11.7	43,844	103,957	12.6	47,216	112,134
2032	385,038	11.0	42,354	98,850	11.7	45,049	103,947	12.6	48,515	112,123
2033	395,627	11.0	43,519	98,649	11.7	46,288	103,736	12.6	49,849	111,895

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	13.8%	\$42,769	\$ 116,401	14.3%	\$44,319	\$ 120,309	15.9%	\$49,277	\$ 132,997
2025	318,443	13.8	43,945	117,518	14.3	45,537	121,463	15.9	50,632	134,273
2026	327,200	13.8	45,154	118,519	14.3	46,790	122,498	15.9	52,025	135,417
2027	336,198	13.8	46,395	119,392	14.3	48,076	123,400	15.9	53,455	136,414
2028	345,443	13.8	47,671	120,122	14.3	49,398	124,154	15.9	54,925	137,248
2029	354,943	13.8	48,982	120,693	14.3	50,757	124,744	15.9	56,436	137,901
2030	364,704	13.8	50,329	121,089	14.3	52,153	125,153	15.9	57,988	138,353
2031	374,733	13.8	51,713	121,291	14.3	53,587	125,362	15.9	59,583	138,584
2032	385,038	13.8	53,135	121,279	14.3	55,060	125,350	15.9	61,221	138,571
2033	395,627	13.8	54,597	121,033	14.3	56,575	125,095	15.9	62,905	138,290

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	5.6%	\$17,356	\$ 66,504	7.7%	\$23,864	\$ 83,135	7.4%	\$22,934	\$ 82,155
2025	318,443	5.6	17,833	67,142	7.7	24,520	83,932	7.4	23,565	82,943
2026	327,200	5.6	18,323	67,714	7.7	25,194	84,647	7.4	24,213	83,650
2027	336,198	5.6	18,827	68,213	7.7	25,887	85,270	7.4	24,879	84,266
2028	345,443	5.6	19,345	68,630	7.7	26,599	85,791	7.4	25,563	84,781
2029	354,943	5.6	19,877	68,956	7.7	27,331	86,199	7.4	26,266	85,184
2030	364,704	5.6	20,423	69,182	7.7	28,082	86,481	7.4	26,988	85,463
2031	374,733	5.6	20,985	69,297	7.7	28,854	86,625	7.4	27,730	85,605
2032	385,038	5.6	21,562	69,290	7.7	29,648	86,617	7.4	28,493	85,597
2033	395,627	5.6	22,155	69,149	7.7	30,463	86,441	7.4	29,276	85,423

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	9.1%	\$28,203	\$ 94,877	9.8%	\$30,372	\$ 99,768	10.7%	\$33,161	\$ 107,613
2025	318,443	9.1	28,978	95,787	9.8	31,207	100,725	10.7	34,073	108,645
2026	327,200	9.1	29,775	96,603	9.8	32,066	101,583	10.7	35,010	109,571
2027	336,198	9.1	30,594	97,314	9.8	32,947	102,331	10.7	35,973	110,378
2028	345,443	9.1	31,435	97,909	9.8	33,853	102,956	10.7	36,962	111,053
2029	354,943	9.1	32,300	98,374	9.8	34,784	103,445	10.7	37,979	111,581
2030	364,704	9.1	33,188	98,696	9.8	35,741	103,784	10.7	39,023	111,947
2031	374,733	9.1	34,101	98,860	9.8	36,724	103,957	10.7	40,096	112,134
2032	385,038	9.1	35,038	98,850	9.8	37,734	103,947	10.7	41,199	112,123
2033	395,627	9.1	36,002	98,649	9.8	38,771	103,736	10.7	42,332	111,895

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	11.9%	\$36,880	\$ 116,401	12.4%	\$38,430	\$ 120,309	14.0%	\$43,389	\$ 132,997
2025	318,443	11.9	37,895	117,518	12.4	39,487	121,463	14.0	44,582	134,273
2026	327,200	11.9	38,937	118,519	12.4	40,573	122,498	14.0	45,808	135,417
2027	336,198	11.9	40,008	119,392	12.4	41,689	123,400	14.0	47,068	136,414
2028	345,443	11.9	41,108	120,122	12.4	42,835	124,154	14.0	48,362	137,248
2029	354,943	11.9	42,238	120,693	12.4	44,013	124,744	14.0	49,692	137,901
2030	364,704	11.9	43,400	121,089	12.4	45,223	125,153	14.0	51,059	138,353
2031	374,733	11.9	44,593	121,291	12.4	46,467	125,362	14.0	52,463	138,584
2032	385,038	11.9	45,820	121,279	12.4	47,745	125,350	14.0	53,905	138,571
2033	395,627	11.9	47,080	121,033	12.4	49,058	125,095	14.0	55,388	138,290

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	3.7%	\$11,467	\$ 66,504	5.8%	\$17,975	\$ 83,135	5.5%	\$17,046	\$ 82,155
2025	318,443	3.7	11,782	67,142	5.8	18,470	83,932	5.5	17,514	82,943
2026	327,200	3.7	12,106	67,714	5.8	18,978	84,647	5.5	17,996	83,650
2027	336,198	3.7	12,439	68,213	5.8	19,499	85,270	5.5	18,491	84,266
2028	345,443	3.7	12,781	68,630	5.8	20,036	85,791	5.5	18,999	84,781
2029	354,943	3.7	13,133	68,956	5.8	20,587	86,199	5.5	19,522	85,184
2030	364,704	3.7	13,494	69,182	5.8	21,153	86,481	5.5	20,059	85,463
2031	374,733	3.7	13,865	69,297	5.8	21,735	86,625	5.5	20,610	85,605
2032	385,038	3.7	14,246	69,290	5.8	22,332	86,617	5.5	21,177	85,597
2033	395,627	3.7	14,638	69,149	5.8	22,946	86,441	5.5	21,759	85,423

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	7.2%	\$22,314	\$ 94,877	7.9%	\$24,484	\$ 99,768	8.8%	\$27,273	\$ 107,613
2025	318,443	7.2	22,928	95,787	7.9	25,157	100,725	8.8	28,023	108,645
2026	327,200	7.2	23,558	96,603	7.9	25,849	101,583	8.8	28,794	109,571
2027	336,198	7.2	24,206	97,314	7.9	26,560	102,331	8.8	29,585	110,378
2028	345,443	7.2	24,872	97,909	7.9	27,290	102,956	8.8	30,399	111,053
2029	354,943	7.2	25,556	98,374	7.9	28,040	103,445	8.8	31,235	111,581
2030	364,704	7.2	26,259	98,696	7.9	28,812	103,784	8.8	32,094	111,947
2031	374,733	7.2	26,981	98,860	7.9	29,604	103,957	8.8	32,977	112,134
2032	385,038	7.2	27,723	98,850	7.9	30,418	103,947	8.8	33,883	112,123
2033	395,627	7.2	28,485	98,649	7.9	31,255	103,736	8.8	34,815	111,895

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	10.0%	\$30,992	\$ 116,401	10.5%	\$32,542	\$ 120,309	12.1%	\$37,500	\$ 132,997
2025	318,443	10.0	31,844	117,518	10.5	33,437	121,463	12.1	38,532	134,273
2026	327,200	10.0	32,720	118,519	10.5	34,356	122,498	12.1	39,591	135,417
2027	336,198	10.0	33,620	119,392	10.5	35,301	123,400	12.1	40,680	136,414
2028	345,443	10.0	34,544	120,122	10.5	36,272	124,154	12.1	41,799	137,248
2029	354,943	10.0	35,494	120,693	10.5	37,269	124,744	12.1	42,948	137,901
2030	364,704	10.0	36,470	121,089	10.5	38,294	125,153	12.1	44,129	138,353
2031	374,733	10.0	37,473	121,291	10.5	39,347	125,362	12.1	45,343	138,584
2032	385,038	10.0	38,504	121,279	10.5	40,429	125,350	12.1	46,590	138,571
2033	395,627	10.0	39,563	121,033	10.5	41,541	125,095	12.1	47,871	138,290

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	9.6%	\$29,752	\$ 68,899	11.8%	\$36,571	\$ 86,111	11.6%	\$35,951	\$ 85,109
2025	318,443	9.6	30,571	69,560	11.8	37,576	86,937	11.6	36,939	85,925
2026	327,200	9.6	31,411	70,153	11.8	38,610	87,678	11.6	37,955	86,657
2027	336,198	9.6	32,275	70,670	11.8	39,671	88,324	11.6	38,999	87,295
2028	345,443	9.6	33,163	71,102	11.8	40,762	88,864	11.6	40,071	87,829
2029	354,943	9.6	34,075	71,440	11.8	41,883	89,286	11.6	41,173	88,247
2030	364,704	9.6	35,012	71,674	11.8	43,035	89,579	11.6	42,306	88,536
2031	374,733	9.6	35,974	71,793	11.8	44,218	89,728	11.6	43,469	88,684
2032	385,038	9.6	36,964	71,786	11.8	45,434	89,719	11.6	44,664	88,675
2033	395,627	9.6	37,980	71,640	11.8	46,684	89,537	11.6	45,893	88,495

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	13.3%	\$41,219	\$ 98,258	14.0%	\$43,389	\$ 103,352	15.0%	\$46,488	\$ 111,462
2025	318,443	13.3	42,353	99,201	14.0	44,582	104,343	15.0	47,766	112,531
2026	327,200	13.3	43,518	100,046	14.0	45,808	105,232	15.0	49,080	113,490
2027	336,198	13.3	44,714	100,783	14.0	47,068	106,007	15.0	50,430	114,326
2028	345,443	13.3	45,944	101,399	14.0	48,362	106,655	15.0	51,816	115,025
2029	354,943	13.3	47,207	101,881	14.0	49,692	107,162	15.0	53,241	115,572
2030	364,704	13.3	48,506	102,215	14.0	51,059	107,513	15.0	54,706	115,951
2031	374,733	13.3	49,839	102,385	14.0	52,463	107,692	15.0	56,210	116,144
2032	385,038	13.3	51,210	102,375	14.0	53,905	107,682	15.0	57,756	116,133
2033	395,627	13.3	52,618	102,167	14.0	55,388	107,463	15.0	59,344	115,897

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	16.2%	\$50,207	\$ 120,558	16.6%	\$51,447	\$ 124,619	18.4%	\$57,025	\$ 137,801
2025	318,443	16.2	51,588	121,714	16.6	52,862	125,814	18.4	58,594	139,123
2026	327,200	16.2	53,006	122,751	16.6	54,315	126,886	18.4	60,205	140,308
2027	336,198	16.2	54,464	123,655	16.6	55,809	127,820	18.4	61,860	141,341
2028	345,443	16.2	55,962	124,411	16.6	57,344	128,601	18.4	63,562	142,205
2029	354,943	16.2	57,501	125,002	16.6	58,921	129,212	18.4	65,310	142,881
2030	364,704	16.2	59,082	125,412	16.6	60,541	129,635	18.4	67,106	143,349
2031	374,733	16.2	60,707	125,621	16.6	62,206	129,851	18.4	68,951	143,588
2032	385,038	16.2	62,376	125,609	16.6	63,916	129,839	18.4	70,847	143,574
2033	395,627	16.2	64,092	125,354	16.6	65,674	129,575	18.4	72,795	143,282

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	7.7%	\$23,864	\$ 68,899	9.9%	\$30,682	\$ 86,111	9.7%	\$30,062	\$ 85,109
2025	318,443	7.7	24,520	69,560	9.9	31,526	86,937	9.7	30,889	85,925
2026	327,200	7.7	25,194	70,153	9.9	32,393	87,678	9.7	31,738	86,657
2027	336,198	7.7	25,887	70,670	9.9	33,284	88,324	9.7	32,611	87,295
2028	345,443	7.7	26,599	71,102	9.9	34,199	88,864	9.7	33,508	87,829
2029	354,943	7.7	27,331	71,440	9.9	35,139	89,286	9.7	34,429	88,247
2030	364,704	7.7	28,082	71,674	9.9	36,106	89,579	9.7	35,376	88,536
2031	374,733	7.7	28,854	71,793	9.9	37,099	89,728	9.7	36,349	88,684
2032	385,038	7.7	29,648	71,786	9.9	38,119	89,719	9.7	37,349	88,675
2033	395,627	7.7	30,463	71,640	9.9	39,167	89,537	9.7	38,376	88,495

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	11.4%	\$35,331	\$ 98,258	12.1%	\$37,500	\$ 103,352	13.1%	\$40,600	\$ 111,462
2025	318,443	11.4	36,303	99,201	12.1	38,532	104,343	13.1	41,716	112,531
2026	327,200	11.4	37,301	100,046	12.1	39,591	105,232	13.1	42,863	113,490
2027	336,198	11.4	38,327	100,783	12.1	40,680	106,007	13.1	44,042	114,326
2028	345,443	11.4	39,381	101,399	12.1	41,799	106,655	13.1	45,253	115,025
2029	354,943	11.4	40,464	101,881	12.1	42,948	107,162	13.1	46,498	115,572
2030	364,704	11.4	41,576	102,215	12.1	44,129	107,513	13.1	47,776	115,951
2031	374,733	11.4	42,720	102,385	12.1	45,343	107,692	13.1	49,090	116,144
2032	385,038	11.4	43,894	102,375	12.1	46,590	107,682	13.1	50,440	116,133
2033	395,627	11.4	45,101	102,167	12.1	47,871	107,463	13.1	51,827	115,897

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	14.3%	\$44,319	\$ 120,558	14.7%	\$45,558	\$ 124,619	16.5%	\$51,137	\$ 137,801
2025	318,443	14.3	45,537	121,714	14.7	46,811	125,814	16.5	52,543	139,123
2026	327,200	14.3	46,790	122,751	14.7	48,098	126,886	16.5	53,988	140,308
2027	336,198	14.3	48,076	123,655	14.7	49,421	127,820	16.5	55,473	141,341
2028	345,443	14.3	49,398	124,411	14.7	50,780	128,601	16.5	56,998	142,205
2029	354,943	14.3	50,757	125,002	14.7	52,177	129,212	16.5	58,566	142,881
2030	364,704	14.3	52,153	125,412	14.7	53,611	129,635	16.5	60,176	143,349
2031	374,733	14.3	53,587	125,621	14.7	55,086	129,851	16.5	61,831	143,588
2032	385,038	14.3	55,060	125,609	14.7	56,601	129,839	16.5	63,531	143,574
2033	395,627	14.3	56,575	125,354	14.7	58,157	129,575	16.5	65,278	143,282

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	5.8%	\$17,975	\$ 68,899	8.0%	\$24,794	\$ 86,111	7.8%	\$24,174	\$ 85,109
2025	318,443	5.8	18,470	69,560	8.0	25,475	86,937	7.8	24,839	85,925
2026	327,200	5.8	18,978	70,153	8.0	26,176	87,678	7.8	25,522	86,657
2027	336,198	5.8	19,499	70,670	8.0	26,896	88,324	7.8	26,223	87,295
2028	345,443	5.8	20,036	71,102	8.0	27,635	88,864	7.8	26,945	87,829
2029	354,943	5.8	20,587	71,440	8.0	28,395	89,286	7.8	27,686	88,247
2030	364,704	5.8	21,153	71,674	8.0	29,176	89,579	7.8	28,447	88,536
2031	374,733	5.8	21,735	71,793	8.0	29,979	89,728	7.8	29,229	88,684
2032	385,038	5.8	22,332	71,786	8.0	30,803	89,719	7.8	30,033	88,675
2033	395,627	5.8	22,946	71,640	8.0	31,650	89,537	7.8	30,859	88,495

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	9.5%	\$29,442	\$ 98,258	10.2%	\$31,612	\$ 103,352	11.2%	\$34,711	\$ 111,462
2025	318,443	9.5	30,252	99,201	10.2	32,481	104,343	11.2	35,666	112,531
2026	327,200	9.5	31,084	100,046	10.2	33,374	105,232	11.2	36,646	113,490
2027	336,198	9.5	31,939	100,783	10.2	34,292	106,007	11.2	37,654	114,326
2028	345,443	9.5	32,817	101,399	10.2	35,235	106,655	11.2	38,690	115,025
2029	354,943	9.5	33,720	101,881	10.2	36,204	107,162	11.2	39,754	115,572
2030	364,704	9.5	34,647	102,215	10.2	37,200	107,513	11.2	40,847	115,951
2031	374,733	9.5	35,600	102,385	10.2	38,223	107,692	11.2	41,970	116,144
2032	385,038	9.5	36,579	102,375	10.2	39,274	107,682	11.2	43,124	116,133
2033	395,627	9.5	37,585	102,167	10.2	40,354	107,463	11.2	44,310	115,897

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	12.4%	\$38,430	\$ 120,558	12.8%	\$39,670	\$ 124,619	14.6%	\$45,248	\$ 137,801
2025	318,443	12.4	39,487	121,714	12.8	40,761	125,814	14.6	46,493	139,123
2026	327,200	12.4	40,573	122,751	12.8	41,882	126,886	14.6	47,771	140,308
2027	336,198	12.4	41,689	123,655	12.8	43,033	127,820	14.6	49,085	141,341
2028	345,443	12.4	42,835	124,411	12.8	44,217	128,601	14.6	50,435	142,205
2029	354,943	12.4	44,013	125,002	12.8	45,433	129,212	14.6	51,822	142,881
2030	364,704	12.4	45,223	125,412	12.8	46,682	129,635	14.6	53,247	143,349
2031	374,733	12.4	46,467	125,621	12.8	47,966	129,851	14.6	54,711	143,588
2032	385,038	12.4	47,745	125,609	12.8	49,285	129,839	14.6	56,216	143,574
2033	395,627	12.4	49,058	125,354	12.8	50,640	129,575	14.6	57,762	143,282

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2024	\$ 309,920	3.9%	\$12,087	\$ 68,899	6.1%	\$18,905	\$ 86,111	5.9%	\$18,285	\$ 85,109
2025	318,443	3.9	12,419	69,560	6.1	19,425	86,937	5.9	18,788	85,925
2026	327,200	3.9	12,761	70,153	6.1	19,959	87,678	5.9	19,305	86,657
2027	336,198	3.9	13,112	70,670	6.1	20,508	88,324	5.9	19,836	87,295
2028	345,443	3.9	13,472	71,102	6.1	21,072	88,864	5.9	20,381	87,829
2029	354,943	3.9	13,843	71,440	6.1	21,652	89,286	5.9	20,942	88,247
2030	364,704	3.9	14,223	71,674	6.1	22,247	89,579	5.9	21,518	88,536
2031	374,733	3.9	14,615	71,793	6.1	22,859	89,728	5.9	22,109	88,684
2032	385,038	3.9	15,016	71,786	6.1	23,487	89,719	5.9	22,717	88,675
2033	395,627	3.9	15,429	71,640	6.1	24,133	89,537	5.9	23,342	88,495

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2024	\$ 309,920	7.6%	\$23,554	\$ 98,258	8.3%	\$25,723	\$ 103,352	9.3%	\$28,823	\$ 111,462
2025	318,443	7.6	24,202	99,201	8.3	26,431	104,343	9.3	29,615	112,531
2026	327,200	7.6	24,867	100,046	8.3	27,158	105,232	9.3	30,430	113,490
2027	336,198	7.6	25,551	100,783	8.3	27,904	106,007	9.3	31,266	114,326
2028	345,443	7.6	26,254	101,399	8.3	28,672	106,655	9.3	32,126	115,025
2029	354,943	7.6	26,976	101,881	8.3	29,460	107,162	9.3	33,010	115,572
2030	364,704	7.6	27,718	102,215	8.3	30,270	107,513	9.3	33,917	115,951
2031	374,733	7.6	28,480	102,385	8.3	31,103	107,692	9.3	34,850	116,144
2032	385,038	7.6	29,263	102,375	8.3	31,958	107,682	9.3	35,809	116,133
2033	395,627	7.6	30,068	102,167	8.3	32,837	107,463	9.3	36,793	115,897

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2024	\$ 309,920	10.5%	\$32,542	\$ 120,558	10.9%	\$33,781	\$ 124,619	12.7%	\$39,360	\$ 137,801
2025	318,443	10.5	33,437	121,714	10.9	34,710	125,814	12.7	40,442	139,123
2026	327,200	10.5	34,356	122,751	10.9	35,665	126,886	12.7	41,554	140,308
2027	336,198	10.5	35,301	123,655	10.9	36,646	127,820	12.7	42,697	141,341
2028	345,443	10.5	36,272	124,411	10.9	37,653	128,601	12.7	43,871	142,205
2029	354,943	10.5	37,269	125,002	10.9	38,689	129,212	12.7	45,078	142,881
2030	364,704	10.5	38,294	125,412	10.9	39,753	129,635	12.7	46,317	143,349
2031	374,733	10.5	39,347	125,621	10.9	40,846	129,851	12.7	47,591	143,588
2032	385,038	10.5	40,429	125,609	10.9	41,969	129,839	12.7	48,900	143,574
2033	395,627	10.5	41,541	125,354	10.9	43,123	129,575	12.7	50,245	143,282

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	9.6%	\$29,752	\$ 67,867	11.7%	\$36,261	\$ 84,792	11.7%	\$36,261	\$ 85,568
2025	318,443	9.6	30,571	68,518	11.7	37,258	85,605	11.7	37,258	86,389
2026	327,200	9.6	31,411	69,102	11.7	38,282	86,334	11.7	38,282	87,125
2027	336,198	9.6	32,275	69,611	11.7	39,335	86,970	11.7	39,335	87,767
2028	345,443	9.6	33,163	70,036	11.7	40,417	87,502	11.7	40,417	88,303
2029	354,943	9.6	34,075	70,369	11.7	41,528	87,918	11.7	41,528	88,723
2030	364,704	9.6	35,012	70,600	11.7	42,670	88,206	11.7	42,670	89,014
2031	374,733	9.6	35,974	70,718	11.7	43,844	88,353	11.7	43,844	89,162
2032	385,038	9.6	36,964	70,711	11.7	45,049	88,344	11.7	45,049	89,153
2033	395,627	9.6	37,980	70,567	11.7	46,288	88,165	11.7	46,288	88,972

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	13.3%	\$41,219	\$ 98,099	13.8%	\$42,769	\$ 101,753	14.9%	\$46,178	\$ 110,625
2025	318,443	13.3	42,353	99,040	13.8	43,945	102,729	14.9	47,448	111,686
2026	327,200	13.3	43,518	99,884	13.8	45,154	103,604	14.9	48,753	112,638
2027	336,198	13.3	44,714	100,620	13.8	46,395	104,367	14.9	50,094	113,467
2028	345,443	13.3	45,944	101,235	13.8	47,671	105,005	14.9	51,471	114,161
2029	354,943	13.3	47,207	101,716	13.8	48,982	105,504	14.9	52,887	114,704
2030	364,704	13.3	48,506	102,049	13.8	50,329	105,850	14.9	54,341	115,080
2031	374,733	13.3	49,839	102,219	13.8	51,713	106,026	14.9	55,835	115,272
2032	385,038	13.3	51,210	102,209	13.8	53,135	106,016	14.9	57,371	115,261
2033	395,627	13.3	52,618	102,001	13.8	54,597	105,801	14.9	58,948	115,027

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	16.0%	\$49,587	\$ 118,722	16.5%	\$51,137	\$ 123,136	18.2%	\$56,405	\$ 135,663
2025	318,443	16.0	50,951	119,861	16.5	52,543	124,317	18.2	57,957	136,964
2026	327,200	16.0	52,352	120,882	16.5	53,988	125,376	18.2	59,550	138,131
2027	336,198	16.0	53,792	121,772	16.5	55,473	126,299	18.2	61,188	139,148
2028	345,443	16.0	55,271	122,516	16.5	56,998	127,071	18.2	62,871	139,999
2029	354,943	16.0	56,791	123,098	16.5	58,566	127,675	18.2	64,600	140,665
2030	364,704	16.0	58,353	123,501	16.5	60,176	128,093	18.2	66,376	141,126
2031	374,733	16.0	59,957	123,707	16.5	61,831	128,306	18.2	68,201	141,361
2032	385,038	16.0	61,606	123,695	16.5	63,531	128,294	18.2	70,077	141,347
2033	395,627	16.0	63,300	123,444	16.5	65,278	128,033	18.2	72,004	141,060

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	7.7%	\$23,864	\$ 67,867	9.8%	\$30,372	\$ 84,792	9.8%	\$30,372	\$ 85,568
2025	318,443	7.7	24,520	68,518	9.8	31,207	85,605	9.8	31,207	86,389
2026	327,200	7.7	25,194	69,102	9.8	32,066	86,334	9.8	32,066	87,125
2027	336,198	7.7	25,887	69,611	9.8	32,947	86,970	9.8	32,947	87,767
2028	345,443	7.7	26,599	70,036	9.8	33,853	87,502	9.8	33,853	88,303
2029	354,943	7.7	27,331	70,369	9.8	34,784	87,918	9.8	34,784	88,723
2030	364,704	7.7	28,082	70,600	9.8	35,741	88,206	9.8	35,741	89,014
2031	374,733	7.7	28,854	70,718	9.8	36,724	88,353	9.8	36,724	89,162
2032	385,038	7.7	29,648	70,711	9.8	37,734	88,344	9.8	37,734	89,153
2033	395,627	7.7	30,463	70,567	9.8	38,771	88,165	9.8	38,771	88,972

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	11.4%	\$35,331	\$ 98,099	11.9%	\$36,880	\$ 101,753	13.0%	\$40,290	\$ 110,625
2025	318,443	11.4	36,303	99,040	11.9	37,895	102,729	13.0	41,398	111,686
2026	327,200	11.4	37,301	99,884	11.9	38,937	103,604	13.0	42,536	112,638
2027	336,198	11.4	38,327	100,620	11.9	40,008	104,367	13.0	43,706	113,467
2028	345,443	11.4	39,381	101,235	11.9	41,108	105,005	13.0	44,908	114,161
2029	354,943	11.4	40,464	101,716	11.9	42,238	105,504	13.0	46,143	114,704
2030	364,704	11.4	41,576	102,049	11.9	43,400	105,850	13.0	47,412	115,080
2031	374,733	11.4	42,720	102,219	11.9	44,593	106,026	13.0	48,715	115,272
2032	385,038	11.4	43,894	102,209	11.9	45,820	106,016	13.0	50,055	115,261
2033	395,627	11.4	45,101	102,001	11.9	47,080	105,801	13.0	51,432	115,027

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	14.1%	\$43,699	\$ 118,722	14.6%	\$45,248	\$ 123,136	16.3%	\$50,517	\$ 135,663
2025	318,443	14.1	44,900	119,861	14.6	46,493	124,317	16.3	51,906	136,964
2026	327,200	14.1	46,135	120,882	14.6	47,771	125,376	16.3	53,334	138,131
2027	336,198	14.1	47,404	121,772	14.6	49,085	126,299	16.3	54,800	139,148
2028	345,443	14.1	48,707	122,516	14.6	50,435	127,071	16.3	56,307	139,999
2029	354,943	14.1	50,047	123,098	14.6	51,822	127,675	16.3	57,856	140,665
2030	364,704	14.1	51,423	123,501	14.6	53,247	128,093	16.3	59,447	141,126
2031	374,733	14.1	52,837	123,707	14.6	54,711	128,306	16.3	61,081	141,361
2032	385,038	14.1	54,290	123,695	14.6	56,216	128,294	16.3	62,761	141,347
2033	395,627	14.1	55,783	123,444	14.6	57,762	128,033	16.3	64,487	141,060

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	5.8%	\$17,975	\$ 67,867	7.9%	\$24,484	\$ 84,792	7.9%	\$24,484	\$ 85,568
2025	318,443	5.8	18,470	68,518	7.9	25,157	85,605	7.9	25,157	86,389
2026	327,200	5.8	18,978	69,102	7.9	25,849	86,334	7.9	25,849	87,125
2027	336,198	5.8	19,499	69,611	7.9	26,560	86,970	7.9	26,560	87,767
2028	345,443	5.8	20,036	70,036	7.9	27,290	87,502	7.9	27,290	88,303
2029	354,943	5.8	20,587	70,369	7.9	28,040	87,918	7.9	28,040	88,723
2030	364,704	5.8	21,153	70,600	7.9	28,812	88,206	7.9	28,812	89,014
2031	374,733	5.8	21,735	70,718	7.9	29,604	88,353	7.9	29,604	89,162
2032	385,038	5.8	22,332	70,711	7.9	30,418	88,344	7.9	30,418	89,153
2033	395,627	5.8	22,946	70,567	7.9	31,255	88,165	7.9	31,255	88,972

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	9.5%	\$29,442	\$ 98,099	10.0%	\$30,992	\$ 101,753	11.1%	\$34,401	\$ 110,625
2025	318,443	9.5	30,252	99,040	10.0	31,844	102,729	11.1	35,347	111,686
2026	327,200	9.5	31,084	99,884	10.0	32,720	103,604	11.1	36,319	112,638
2027	336,198	9.5	31,939	100,620	10.0	33,620	104,367	11.1	37,318	113,467
2028	345,443	9.5	32,817	101,235	10.0	34,544	105,005	11.1	38,344	114,161
2029	354,943	9.5	33,720	101,716	10.0	35,494	105,504	11.1	39,399	114,704
2030	364,704	9.5	34,647	102,049	10.0	36,470	105,850	11.1	40,482	115,080
2031	374,733	9.5	35,600	102,219	10.0	37,473	106,026	11.1	41,595	115,272
2032	385,038	9.5	36,579	102,209	10.0	38,504	106,016	11.1	42,739	115,261
2033	395,627	9.5	37,585	102,001	10.0	39,563	105,801	11.1	43,915	115,027

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	12.2%	\$37,810	\$ 118,722	12.7%	\$39,360	\$ 123,136	14.4%	\$44,628	\$ 135,663
2025	318,443	12.2	38,850	119,861	12.7	40,442	124,317	14.4	45,856	136,964
2026	327,200	12.2	39,918	120,882	12.7	41,554	125,376	14.4	47,117	138,131
2027	336,198	12.2	41,016	121,772	12.7	42,697	126,299	14.4	48,413	139,148
2028	345,443	12.2	42,144	122,516	12.7	43,871	127,071	14.4	49,744	139,999
2029	354,943	12.2	43,303	123,098	12.7	45,078	127,675	14.4	51,112	140,665
2030	364,704	12.2	44,494	123,501	12.7	46,317	128,093	14.4	52,517	141,126
2031	374,733	12.2	45,717	123,707	12.7	47,591	128,306	14.4	53,962	141,361
2032	385,038	12.2	46,975	123,695	12.7	48,900	128,294	14.4	55,445	141,347
2033	395,627	12.2	48,266	123,444	12.7	50,245	128,033	14.4	56,970	141,060

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	3.9%	\$12,087	\$ 67,867	6.0%	\$18,595	\$ 84,792	6.0%	\$18,595	\$ 85,568
2025	318,443	3.9	12,419	68,518	6.0	19,107	85,605	6.0	19,107	86,389
2026	327,200	3.9	12,761	69,102	6.0	19,632	86,334	6.0	19,632	87,125
2027	336,198	3.9	13,112	69,611	6.0	20,172	86,970	6.0	20,172	87,767
2028	345,443	3.9	13,472	70,036	6.0	20,727	87,502	6.0	20,727	88,303
2029	354,943	3.9	13,843	70,369	6.0	21,297	87,918	6.0	21,297	88,723
2030	364,704	3.9	14,223	70,600	6.0	21,882	88,206	6.0	21,882	89,014
2031	374,733	3.9	14,615	70,718	6.0	22,484	88,353	6.0	22,484	89,162
2032	385,038	3.9	15,016	70,711	6.0	23,102	88,344	6.0	23,102	89,153
2033	395,627	3.9	15,429	70,567	6.0	23,738	88,165	6.0	23,738	88,972

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	7.6%	\$23,554	\$ 98,099	8.1%	\$25,104	\$ 101,753	9.2%	\$28,513	\$ 110,625
2025	318,443	7.6	24,202	99,040	8.1	25,794	102,729	9.2	29,297	111,686
2026	327,200	7.6	24,867	99,884	8.1	26,503	103,604	9.2	30,102	112,638
2027	336,198	7.6	25,551	100,620	8.1	27,232	104,367	9.2	30,930	113,467
2028	345,443	7.6	26,254	101,235	8.1	27,981	105,005	9.2	31,781	114,161
2029	354,943	7.6	26,976	101,716	8.1	28,750	105,504	9.2	32,655	114,704
2030	364,704	7.6	27,718	102,049	8.1	29,541	105,850	9.2	33,553	115,080
2031	374,733	7.6	28,480	102,219	8.1	30,353	106,026	9.2	34,475	115,272
2032	385,038	7.6	29,263	102,209	8.1	31,188	106,016	9.2	35,423	115,261
2033	395,627	7.6	30,068	102,001	8.1	32,046	105,801	9.2	36,398	115,027

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	10.3%	\$31,922	\$ 118,722	10.8%	\$33,471	\$ 123,136	12.5%	\$38,740	\$ 135,663
2025	318,443	10.3	32,800	119,861	10.8	34,392	124,317	12.5	39,805	136,964
2026	327,200	10.3	33,702	120,882	10.8	35,338	125,376	12.5	40,900	138,131
2027	336,198	10.3	34,628	121,772	10.8	36,309	126,299	12.5	42,025	139,148
2028	345,443	10.3	35,581	122,516	10.8	37,308	127,071	12.5	43,180	139,999
2029	354,943	10.3	36,559	123,098	10.8	38,334	127,675	12.5	44,368	140,665
2030	364,704	10.3	37,565	123,501	10.8	39,388	128,093	12.5	45,588	141,126
2031	374,733	10.3	38,597	123,707	10.8	40,471	128,306	12.5	46,842	141,361
2032	385,038	10.3	39,659	123,695	10.8	41,584	128,294	12.5	48,130	141,347
2033	395,627	10.3	40,750	123,444	10.8	42,728	128,033	12.5	49,453	141,060

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	9.8%	\$30,372	\$ 70,294	12.1%	\$37,500	\$ 87,849	12.1%	\$37,500	\$ 88,654
2025	318,443	9.8	31,207	70,968	12.1	38,532	88,692	12.1	38,532	89,504
2026	327,200	9.8	32,066	71,573	12.1	39,591	89,448	12.1	39,591	90,267
2027	336,198	9.8	32,947	72,100	12.1	40,680	90,107	12.1	40,680	90,932
2028	345,443	9.8	33,853	72,541	12.1	41,799	90,658	12.1	41,799	91,488
2029	354,943	9.8	34,784	72,886	12.1	42,948	91,089	12.1	42,948	91,923
2030	364,704	9.8	35,741	73,125	12.1	44,129	91,388	12.1	44,129	92,224
2031	374,733	9.8	36,724	73,247	12.1	45,343	91,540	12.1	45,343	92,378
2032	385,038	9.8	37,734	73,240	12.1	46,590	91,531	12.1	46,590	92,369
2033	395,627	9.8	38,771	73,091	12.1	47,871	91,345	12.1	47,871	92,181

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	13.7%	\$42,459	\$ 101,597	14.3%	\$44,319	\$ 105,456	15.5%	\$48,038	\$ 114,630
2025	318,443	13.7	43,627	102,572	14.3	45,537	106,468	15.5	49,359	115,730
2026	327,200	13.7	44,826	103,446	14.3	46,790	107,375	15.5	50,716	116,716
2027	336,198	13.7	46,059	104,208	14.3	48,076	108,166	15.5	52,111	117,576
2028	345,443	13.7	47,326	104,845	14.3	49,398	108,827	15.5	53,544	118,295
2029	354,943	13.7	48,627	105,343	14.3	50,757	109,344	15.5	55,016	118,857
2030	364,704	13.7	49,964	105,688	14.3	52,153	109,702	15.5	56,529	119,247
2031	374,733	13.7	51,338	105,864	14.3	53,587	109,885	15.5	58,084	119,446
2032	385,038	13.7	52,750	105,854	14.3	55,060	109,874	15.5	59,681	119,435
2033	395,627	13.7	54,201	105,639	14.3	56,575	109,651	15.5	61,322	119,192

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	16.5%	\$51,137	\$ 123,044	17.1%	\$52,996	\$ 127,606	18.7%	\$57,955	\$ 140,597
2025	318,443	16.5	52,543	124,224	17.1	54,454	128,830	18.7	59,549	141,946
2026	327,200	16.5	53,988	125,283	17.1	55,951	129,928	18.7	61,186	143,156
2027	336,198	16.5	55,473	126,206	17.1	57,490	130,885	18.7	62,869	144,210
2028	345,443	16.5	56,998	126,977	17.1	59,071	131,685	18.7	64,598	145,091
2029	354,943	16.5	58,566	127,581	17.1	60,695	132,311	18.7	66,374	145,781
2030	364,704	16.5	60,176	127,999	17.1	62,364	132,745	18.7	68,200	146,259
2031	374,733	16.5	61,831	128,212	17.1	64,079	132,966	18.7	70,075	146,503
2032	385,038	16.5	63,531	128,200	17.1	65,841	132,953	18.7	72,002	146,489
2033	395,627	16.5	65,278	127,940	17.1	67,652	132,683	18.7	73,982	146,192

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	7.9%	\$24,484	\$ 70,294	10.2%	\$31,612	\$ 87,849	10.2%	\$31,612	\$ 88,654
2025	318,443	7.9	25,157	70,968	10.2	32,481	88,692	10.2	32,481	89,504
2026	327,200	7.9	25,849	71,573	10.2	33,374	89,448	10.2	33,374	90,267
2027	336,198	7.9	26,560	72,100	10.2	34,292	90,107	10.2	34,292	90,932
2028	345,443	7.9	27,290	72,541	10.2	35,235	90,658	10.2	35,235	91,488
2029	354,943	7.9	28,040	72,886	10.2	36,204	91,089	10.2	36,204	91,923
2030	364,704	7.9	28,812	73,125	10.2	37,200	91,388	10.2	37,200	92,224
2031	374,733	7.9	29,604	73,247	10.2	38,223	91,540	10.2	38,223	92,378
2032	385,038	7.9	30,418	73,240	10.2	39,274	91,531	10.2	39,274	92,369
2033	395,627	7.9	31,255	73,091	10.2	40,354	91,345	10.2	40,354	92,181

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	11.8%	\$36,571	\$ 101,597	12.4%	\$38,430	\$ 105,456	13.6%	\$42,149	\$ 114,630
2025	318,443	11.8	37,576	102,572	12.4	39,487	106,468	13.6	43,308	115,730
2026	327,200	11.8	38,610	103,446	12.4	40,573	107,375	13.6	44,499	116,716
2027	336,198	11.8	39,671	104,208	12.4	41,689	108,166	13.6	45,723	117,576
2028	345,443	11.8	40,762	104,845	12.4	42,835	108,827	13.6	46,980	118,295
2029	354,943	11.8	41,883	105,343	12.4	44,013	109,344	13.6	48,272	118,857
2030	364,704	11.8	43,035	105,688	12.4	45,223	109,702	13.6	49,600	119,247
2031	374,733	11.8	44,218	105,864	12.4	46,467	109,885	13.6	50,964	119,446
2032	385,038	11.8	45,434	105,854	12.4	47,745	109,874	13.6	52,365	119,435
2033	395,627	11.8	46,684	105,639	12.4	49,058	109,651	13.6	53,805	119,192

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	14.6%	\$45,248	\$ 123,044	15.2%	\$47,108	\$ 127,606	16.8%	\$52,067	\$ 140,597
2025	318,443	14.6	46,493	124,224	15.2	48,403	128,830	16.8	53,498	141,946
2026	327,200	14.6	47,771	125,283	15.2	49,734	129,928	16.8	54,970	143,156
2027	336,198	14.6	49,085	126,206	15.2	51,102	130,885	16.8	56,481	144,210
2028	345,443	14.6	50,435	126,977	15.2	52,507	131,685	16.8	58,034	145,091
2029	354,943	14.6	51,822	127,581	15.2	53,951	132,311	16.8	59,630	145,781
2030	364,704	14.6	53,247	127,999	15.2	55,435	132,745	16.8	61,270	146,259
2031	374,733	14.6	54,711	128,212	15.2	56,959	132,966	16.8	62,955	146,503
2032	385,038	14.6	56,216	128,200	15.2	58,526	132,953	16.8	64,686	146,489
2033	395,627	14.6	57,762	127,940	15.2	60,135	132,683	16.8	66,465	146,192

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	6.0%	\$18,595	\$ 70,294	8.3%	\$25,723	\$ 87,849	8.3%	\$25,723	\$ 88,654
2025	318,443	6.0	19,107	70,968	8.3	26,431	88,692	8.3	26,431	89,504
2026	327,200	6.0	19,632	71,573	8.3	27,158	89,448	8.3	27,158	90,267
2027	336,198	6.0	20,172	72,100	8.3	27,904	90,107	8.3	27,904	90,932
2028	345,443	6.0	20,727	72,541	8.3	28,672	90,658	8.3	28,672	91,488
2029	354,943	6.0	21,297	72,886	8.3	29,460	91,089	8.3	29,460	91,923
2030	364,704	6.0	21,882	73,125	8.3	30,270	91,388	8.3	30,270	92,224
2031	374,733	6.0	22,484	73,247	8.3	31,103	91,540	8.3	31,103	92,378
2032	385,038	6.0	23,102	73,240	8.3	31,958	91,531	8.3	31,958	92,369
2033	395,627	6.0	23,738	73,091	8.3	32,837	91,345	8.3	32,837	92,181

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	9.9%	\$30,682	\$ 101,597	10.5%	\$32,542	\$ 105,456	11.7%	\$36,261	\$ 114,630
2025	318,443	9.9	31,526	102,572	10.5	33,437	106,468	11.7	37,258	115,730
2026	327,200	9.9	32,393	103,446	10.5	34,356	107,375	11.7	38,282	116,716
2027	336,198	9.9	33,284	104,208	10.5	35,301	108,166	11.7	39,335	117,576
2028	345,443	9.9	34,199	104,845	10.5	36,272	108,827	11.7	40,417	118,295
2029	354,943	9.9	35,139	105,343	10.5	37,269	109,344	11.7	41,528	118,857
2030	364,704	9.9	36,106	105,688	10.5	38,294	109,702	11.7	42,670	119,247
2031	374,733	9.9	37,099	105,864	10.5	39,347	109,885	11.7	43,844	119,446
2032	385,038	9.9	38,119	105,854	10.5	40,429	109,874	11.7	45,049	119,435
2033	395,627	9.9	39,167	105,639	10.5	41,541	109,651	11.7	46,288	119,192

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	12.7%	\$39,360	\$ 123,044	13.3%	\$41,219	\$ 127,606	14.9%	\$46,178	\$ 140,597
2025	318,443	12.7	40,442	124,224	13.3	42,353	128,830	14.9	47,448	141,946
2026	327,200	12.7	41,554	125,283	13.3	43,518	129,928	14.9	48,753	143,156
2027	336,198	12.7	42,697	126,206	13.3	44,714	130,885	14.9	50,094	144,210
2028	345,443	12.7	43,871	126,977	13.3	45,944	131,685	14.9	51,471	145,091
2029	354,943	12.7	45,078	127,581	13.3	47,207	132,311	14.9	52,887	145,781
2030	364,704	12.7	46,317	127,999	13.3	48,506	132,745	14.9	54,341	146,259
2031	374,733	12.7	47,591	128,212	13.3	49,839	132,966	14.9	55,835	146,503
2032	385,038	12.7	48,900	128,200	13.3	51,210	132,953	14.9	57,371	146,489
2033	395,627	12.7	50,245	127,940	13.3	52,618	132,683	14.9	58,948	146,192

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Police

Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	4.1%	\$12,707	\$ 70,294	6.4%	\$19,835	\$ 87,849	6.4%	\$19,835	\$ 88,654
2025	318,443	4.1	13,056	70,968	6.4	20,380	88,692	6.4	20,380	89,504
2026	327,200	4.1	13,415	71,573	6.4	20,941	89,448	6.4	20,941	90,267
2027	336,198	4.1	13,784	72,100	6.4	21,517	90,107	6.4	21,517	90,932
2028	345,443	4.1	14,163	72,541	6.4	22,108	90,658	6.4	22,108	91,488
2029	354,943	4.1	14,553	72,886	6.4	22,716	91,089	6.4	22,716	91,923
2030	364,704	4.1	14,953	73,125	6.4	23,341	91,388	6.4	23,341	92,224
2031	374,733	4.1	15,364	73,247	6.4	23,983	91,540	6.4	23,983	92,378
2032	385,038	4.1	15,787	73,240	6.4	24,642	91,531	6.4	24,642	92,369
2033	395,627	4.1	16,221	73,091	6.4	25,320	91,345	6.4	25,320	92,181

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	8.0%	\$24,794	\$ 101,597	8.6%	\$26,653	\$ 105,456	9.8%	\$30,372	\$ 114,630
2025	318,443	8.0	25,475	102,572	8.6	27,386	106,468	9.8	31,207	115,730
2026	327,200	8.0	26,176	103,446	8.6	28,139	107,375	9.8	32,066	116,716
2027	336,198	8.0	26,896	104,208	8.6	28,913	108,166	9.8	32,947	117,576
2028	345,443	8.0	27,635	104,845	8.6	29,708	108,827	9.8	33,853	118,295
2029	354,943	8.0	28,395	105,343	8.6	30,525	109,344	9.8	34,784	118,857
2030	364,704	8.0	29,176	105,688	8.6	31,365	109,702	9.8	35,741	119,247
2031	374,733	8.0	29,979	105,864	8.6	32,227	109,885	9.8	36,724	119,446
2032	385,038	8.0	30,803	105,854	8.6	33,113	109,874	9.8	37,734	119,435
2033	395,627	8.0	31,650	105,639	8.6	34,024	109,651	9.8	38,771	119,192

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 309,920	10.8%	\$33,471	\$ 123,044	11.4%	\$35,331	\$ 127,606	13.0%	\$40,290	\$ 140,597
2025	318,443	10.8	34,392	124,224	11.4	36,303	128,830	13.0	41,398	141,946
2026	327,200	10.8	35,338	125,283	11.4	37,301	129,928	13.0	42,536	143,156
2027	336,198	10.8	36,309	126,206	11.4	38,327	130,885	13.0	43,706	144,210
2028	345,443	10.8	37,308	126,977	11.4	39,381	131,685	13.0	44,908	145,091
2029	354,943	10.8	38,334	127,581	11.4	40,464	132,311	13.0	46,143	145,781
2030	364,704	10.8	39,388	127,999	11.4	41,576	132,745	13.0	47,412	146,259
2031	374,733	10.8	40,471	128,212	11.4	42,720	132,966	13.0	48,715	146,503
2032	385,038	10.8	41,584	128,200	11.4	43,894	132,953	13.0	50,055	146,489
2033	395,627	10.8	42,728	127,940	11.4	45,101	132,683	13.0	51,432	146,192

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	15.6%	\$12,006	\$ 95,595	19.3%	\$14,853	\$ 119,506	19.5%	\$15,007	\$ 123,286
2025	79,076	15.6	12,336	96,512	19.3	15,262	120,652	19.5	15,420	124,469
2026	81,251	15.6	12,675	97,334	19.3	15,681	121,680	19.5	15,844	125,530
2027	83,485	15.6	13,024	98,051	19.3	16,113	122,576	19.5	16,280	126,454
2028	85,781	15.6	13,382	98,650	19.3	16,556	123,325	19.5	16,727	127,227
2029	88,140	15.6	13,750	99,119	19.3	17,011	123,911	19.5	17,187	127,832
2030	90,564	15.6	14,128	99,444	19.3	17,479	124,317	19.5	17,660	128,251
2031	93,055	15.6	14,517	99,610	19.3	17,960	124,524	19.5	18,146	128,465
2032	95,614	15.6	14,916	99,600	19.3	18,454	124,512	19.5	18,645	128,453
2033	98,243	15.6	15,326	99,398	19.3	18,961	124,259	19.5	19,157	128,192

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	22.1%	\$17,008	\$ 140,261	22.9%	\$17,624	\$ 143,377	24.8%	\$19,086	\$ 157,218
2025	79,076	22.1	17,476	141,606	22.9	18,108	144,752	24.8	19,611	158,726
2026	81,251	22.1	17,956	142,813	22.9	18,606	145,985	24.8	20,150	160,079
2027	83,485	22.1	18,450	143,865	22.9	19,118	147,060	24.8	20,704	161,258
2028	85,781	22.1	18,958	144,744	22.9	19,644	147,959	24.8	21,274	162,244
2029	88,140	22.1	19,479	145,432	22.9	20,184	148,662	24.8	21,859	163,015
2030	90,564	22.1	20,015	145,909	22.9	20,739	149,149	24.8	22,460	163,549
2031	93,055	22.1	20,565	146,152	22.9	21,310	149,398	24.8	23,078	163,821
2032	95,614	22.1	21,131	146,138	22.9	21,896	149,384	24.8	23,712	163,805
2033	98,243	22.1	21,712	145,841	22.9	22,498	149,081	24.8	24,364	163,472

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	26.5%	\$20,394	\$ 167,271	27.4%	\$21,087	\$ 174,186	30.1%	\$23,165	\$ 191,186
2025	79,076	26.5	20,955	168,876	27.4	21,667	175,857	30.1	23,802	193,020
2026	81,251	26.5	21,532	170,315	27.4	22,263	177,356	30.1	24,457	194,665
2027	83,485	26.5	22,124	171,569	27.4	22,875	178,662	30.1	25,129	196,099
2028	85,781	26.5	22,732	172,618	27.4	23,504	179,754	30.1	25,820	197,298
2029	88,140	26.5	23,357	173,439	27.4	24,150	180,609	30.1	26,530	198,236
2030	90,564	26.5	23,999	174,007	27.4	24,815	181,201	30.1	27,260	198,886
2031	93,055	26.5	24,660	174,297	27.4	25,497	181,503	30.1	28,010	199,217
2032	95,614	26.5	25,338	174,280	27.4	26,198	181,486	30.1	28,780	199,198
2033	98,243	26.5	26,034	173,926	27.4	26,919	181,117	30.1	29,571	198,793

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	13.7%	\$10,544	\$ 95,595	17.4%	\$13,391	\$ 119,506	17.6%	\$13,545	\$ 123,286
2025	79,076	13.7	10,833	96,512	17.4	13,759	120,652	17.6	13,917	124,469
2026	81,251	13.7	11,131	97,334	17.4	14,138	121,680	17.6	14,300	125,530
2027	83,485	13.7	11,437	98,051	17.4	14,526	122,576	17.6	14,693	126,454
2028	85,781	13.7	11,752	98,650	17.4	14,926	123,325	17.6	15,097	127,227
2029	88,140	13.7	12,075	99,119	17.4	15,336	123,911	17.6	15,513	127,832
2030	90,564	13.7	12,407	99,444	17.4	15,758	124,317	17.6	15,939	128,251
2031	93,055	13.7	12,749	99,610	17.4	16,192	124,524	17.6	16,378	128,465
2032	95,614	13.7	13,099	99,600	17.4	16,637	124,512	17.6	16,828	128,453
2033	98,243	13.7	13,459	99,398	17.4	17,094	124,259	17.6	17,291	128,192

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	20.2%	\$15,546	\$ 140,261	21.0%	\$16,162	\$ 143,377	22.9%	\$17,624	\$ 157,218
2025	79,076	20.2	15,973	141,606	21.0	16,606	144,752	22.9	18,108	158,726
2026	81,251	20.2	16,413	142,813	21.0	17,063	145,985	22.9	18,606	160,079
2027	83,485	20.2	16,864	143,865	21.0	17,532	147,060	22.9	19,118	161,258
2028	85,781	20.2	17,328	144,744	21.0	18,014	147,959	22.9	19,644	162,244
2029	88,140	20.2	17,804	145,432	21.0	18,509	148,662	22.9	20,184	163,015
2030	90,564	20.2	18,294	145,909	21.0	19,018	149,149	22.9	20,739	163,549
2031	93,055	20.2	18,797	146,152	21.0	19,542	149,398	22.9	21,310	163,821
2032	95,614	20.2	19,314	146,138	21.0	20,079	149,384	22.9	21,896	163,805
2033	98,243	20.2	19,845	145,841	21.0	20,631	149,081	22.9	22,498	163,472

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	24.6%	\$18,932	\$ 167,271	25.5%	\$19,625	\$ 174,186	28.2%	\$21,703	\$ 191,186
2025	79,076	24.6	19,453	168,876	25.5	20,164	175,857	28.2	22,299	193,020
2026	81,251	24.6	19,988	170,315	25.5	20,719	177,356	28.2	22,913	194,665
2027	83,485	24.6	20,537	171,569	25.5	21,289	178,662	28.2	23,543	196,099
2028	85,781	24.6	21,102	172,618	25.5	21,874	179,754	28.2	24,190	197,298
2029	88,140	24.6	21,682	173,439	25.5	22,476	180,609	28.2	24,855	198,236
2030	90,564	24.6	22,279	174,007	25.5	23,094	181,201	28.2	25,539	198,886
2031	93,055	24.6	22,892	174,297	25.5	23,729	181,503	28.2	26,242	199,217
2032	95,614	24.6	23,521	174,280	25.5	24,382	181,486	28.2	26,963	199,198
2033	98,243	24.6	24,168	173,926	25.5	25,052	181,117	28.2	27,705	198,793

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	11.8%	\$9,081	\$ 95,595	15.5%	\$11,929	\$ 119,506	15.7%	\$12,083	\$ 123,286
2025	79,076	11.8	9,331	96,512	15.5	12,257	120,652	15.7	12,415	124,469
2026	81,251	11.8	9,588	97,334	15.5	12,594	121,680	15.7	12,756	125,530
2027	83,485	11.8	9,851	98,051	15.5	12,940	122,576	15.7	13,107	126,454
2028	85,781	11.8	10,122	98,650	15.5	13,296	123,325	15.7	13,468	127,227
2029	88,140	11.8	10,401	99,119	15.5	13,662	123,911	15.7	13,838	127,832
2030	90,564	11.8	10,687	99,444	15.5	14,037	124,317	15.7	14,219	128,251
2031	93,055	11.8	10,980	99,610	15.5	14,424	124,524	15.7	14,610	128,465
2032	95,614	11.8	11,282	99,600	15.5	14,820	124,512	15.7	15,011	128,453
2033	98,243	11.8	11,593	99,398	15.5	15,228	124,259	15.7	15,424	128,192

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	18.3%	\$14,084	\$ 140,261	19.1%	\$14,699	\$ 143,377	21.0%	\$16,162	\$ 157,218
2025	79,076	18.3	14,471	141,606	19.1	15,104	144,752	21.0	16,606	158,726
2026	81,251	18.3	14,869	142,813	19.1	15,519	145,985	21.0	17,063	160,079
2027	83,485	18.3	15,278	143,865	19.1	15,946	147,060	21.0	17,532	161,258
2028	85,781	18.3	15,698	144,744	19.1	16,384	147,959	21.0	18,014	162,244
2029	88,140	18.3	16,130	145,432	19.1	16,835	148,662	21.0	18,509	163,015
2030	90,564	18.3	16,573	145,909	19.1	17,298	149,149	21.0	19,018	163,549
2031	93,055	18.3	17,029	146,152	19.1	17,774	149,398	21.0	19,542	163,821
2032	95,614	18.3	17,497	146,138	19.1	18,262	149,384	21.0	20,079	163,805
2033	98,243	18.3	17,978	145,841	19.1	18,764	149,081	21.0	20,631	163,472

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	22.7%	\$17,470	\$ 167,271	23.6%	\$18,163	\$ 174,186	26.3%	\$20,240	\$ 191,186
2025	79,076	22.7	17,950	168,876	23.6	18,662	175,857	26.3	20,797	193,020
2026	81,251	22.7	18,444	170,315	23.6	19,175	177,356	26.3	21,369	194,665
2027	83,485	22.7	18,951	171,569	23.6	19,702	178,662	26.3	21,957	196,099
2028	85,781	22.7	19,472	172,618	23.6	20,244	179,754	26.3	22,560	197,298
2029	88,140	22.7	20,008	173,439	23.6	20,801	180,609	26.3	23,181	198,236
2030	90,564	22.7	20,558	174,007	23.6	21,373	181,201	26.3	23,818	198,886
2031	93,055	22.7	21,123	174,297	23.6	21,961	181,503	26.3	24,473	199,217
2032	95,614	22.7	21,704	174,280	23.6	22,565	181,486	26.3	25,146	199,198
2033	98,243	22.7	22,301	173,926	23.6	23,185	181,117	26.3	25,838	198,793

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	9.9%	\$7,619	\$ 95,595	13.6%	\$10,467	\$ 119,506	13.8%	\$10,620	\$ 123,286
2025	79,076	9.9	7,829	96,512	13.6	10,754	120,652	13.8	10,912	124,469
2026	81,251	9.9	8,044	97,334	13.6	11,050	121,680	13.8	11,213	125,530
2027	83,485	9.9	8,265	98,051	13.6	11,354	122,576	13.8	11,521	126,454
2028	85,781	9.9	8,492	98,650	13.6	11,666	123,325	13.8	11,838	127,227
2029	88,140	9.9	8,726	99,119	13.6	11,987	123,911	13.8	12,163	127,832
2030	90,564	9.9	8,966	99,444	13.6	12,317	124,317	13.8	12,498	128,251
2031	93,055	9.9	9,212	99,610	13.6	12,655	124,524	13.8	12,842	128,465
2032	95,614	9.9	9,466	99,600	13.6	13,004	124,512	13.8	13,195	128,453
2033	98,243	9.9	9,726	99,398	13.6	13,361	124,259	13.8	13,558	128,192

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	16.4%	\$12,621	\$ 140,261	17.2%	\$13,237	\$ 143,377	19.1%	\$14,699	\$ 157,218
2025	79,076	16.4	12,968	141,606	17.2	13,601	144,752	19.1	15,104	158,726
2026	81,251	16.4	13,325	142,813	17.2	13,975	145,985	19.1	15,519	160,079
2027	83,485	16.4	13,692	143,865	17.2	14,359	147,060	19.1	15,946	161,258
2028	85,781	16.4	14,068	144,744	17.2	14,754	147,959	19.1	16,384	162,244
2029	88,140	16.4	14,455	145,432	17.2	15,160	148,662	19.1	16,835	163,015
2030	90,564	16.4	14,852	145,909	17.2	15,577	149,149	19.1	17,298	163,549
2031	93,055	16.4	15,261	146,152	17.2	16,005	149,398	19.1	17,774	163,821
2032	95,614	16.4	15,681	146,138	17.2	16,446	149,384	19.1	18,262	163,805
2033	98,243	16.4	16,112	145,841	17.2	16,898	149,081	19.1	18,764	163,472

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	20.8%	\$16,008	\$ 167,271	21.7%	\$16,700	\$ 174,186	24.4%	\$18,778	\$ 191,186
2025	79,076	20.8	16,448	168,876	21.7	17,159	175,857	24.4	19,295	193,020
2026	81,251	20.8	16,900	170,315	21.7	17,631	177,356	24.4	19,825	194,665
2027	83,485	20.8	17,365	171,569	21.7	18,116	178,662	24.4	20,370	196,099
2028	85,781	20.8	17,842	172,618	21.7	18,614	179,754	24.4	20,931	197,298
2029	88,140	20.8	18,333	173,439	21.7	19,126	180,609	24.4	21,506	198,236
2030	90,564	20.8	18,837	174,007	21.7	19,652	181,201	24.4	22,098	198,886
2031	93,055	20.8	19,355	174,297	21.7	20,193	181,503	24.4	22,705	199,217
2032	95,614	20.8	19,888	174,280	21.7	20,748	181,486	24.4	23,330	199,198
2033	98,243	20.8	20,435	173,926	21.7	21,319	181,117	24.4	23,971	198,793

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	16.1%	\$12,391	\$ 98,724	19.9%	\$15,315	\$ 123,408	20.1%	\$15,469	\$ 127,357
2025	79,076	16.1	12,731	99,671	19.9	15,736	124,592	20.1	15,894	128,579
2026	81,251	16.1	13,081	100,520	19.9	16,169	125,654	20.1	16,331	129,675
2027	83,485	16.1	13,441	101,260	19.9	16,614	126,579	20.1	16,780	130,630
2028	85,781	16.1	13,811	101,879	19.9	17,070	127,353	20.1	17,242	131,428
2029	88,140	16.1	14,191	102,363	19.9	17,540	127,958	20.1	17,716	132,053
2030	90,564	16.1	14,581	102,698	19.9	18,022	128,377	20.1	18,203	132,486
2031	93,055	16.1	14,982	102,869	19.9	18,518	128,591	20.1	18,704	132,707
2032	95,614	16.1	15,394	102,859	19.9	19,027	128,579	20.1	19,218	132,694
2033	98,243	16.1	15,817	102,650	19.9	19,550	128,318	20.1	19,747	132,425

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	22.8%	\$17,547	\$ 144,891	23.5%	\$18,086	\$ 148,114	25.6%	\$19,702	\$ 162,418
2025	79,076	22.8	18,029	146,281	23.5	18,583	149,535	25.6	20,243	163,976
2026	81,251	22.8	18,525	147,527	23.5	19,094	150,809	25.6	20,800	165,373
2027	83,485	22.8	19,035	148,613	23.5	19,619	151,920	25.6	21,372	166,591
2028	85,781	22.8	19,558	149,521	23.5	20,159	152,849	25.6	21,960	167,609
2029	88,140	22.8	20,096	150,232	23.5	20,713	153,576	25.6	22,564	168,406
2030	90,564	22.8	20,649	150,724	23.5	21,283	154,079	25.6	23,184	168,958
2031	93,055	22.8	21,217	150,975	23.5	21,868	154,336	25.6	23,822	169,240
2032	95,614	22.8	21,800	150,960	23.5	22,469	154,321	25.6	24,477	169,224
2033	98,243	22.8	22,399	150,653	23.5	23,087	154,008	25.6	25,150	168,880

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	27.3%	\$21,010	\$ 172,795	28.4%	\$21,857	\$ 179,948	31.1%	\$23,935	\$ 197,460
2025	79,076	27.3	21,588	174,453	28.4	22,458	181,674	31.1	24,593	199,354
2026	81,251	27.3	22,182	175,940	28.4	23,075	183,222	31.1	25,269	201,053
2027	83,485	27.3	22,791	177,236	28.4	23,710	184,571	31.1	25,964	202,534
2028	85,781	27.3	23,418	178,319	28.4	24,362	185,699	31.1	26,678	203,772
2029	88,140	27.3	24,062	179,167	28.4	25,032	186,582	31.1	27,412	204,741
2030	90,564	27.3	24,724	179,754	28.4	25,720	187,193	31.1	28,165	205,412
2031	93,055	27.3	25,404	180,053	28.4	26,428	187,505	31.1	28,940	205,754
2032	95,614	27.3	26,103	180,036	28.4	27,154	187,487	31.1	29,736	205,734
2033	98,243	27.3	26,820	179,670	28.4	27,901	187,106	31.1	30,554	205,316

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2024	\$ 76,960	14.2%	\$10,928	\$ 98,724	18.0%	\$13,853	\$ 123,408	18.2%	\$14,007	\$ 127,357
2025	79,076	14.2	11,229	99,671	18.0	14,234	124,592	18.2	14,392	128,579
2026	81,251	14.2	11,538	100,520	18.0	14,625	125,654	18.2	14,788	129,675
2027	83,485	14.2	11,855	101,260	18.0	15,027	126,579	18.2	15,194	130,630
2028	85,781	14.2	12,181	101,879	18.0	15,441	127,353	18.2	15,612	131,428
2029	88,140	14.2	12,516	102,363	18.0	15,865	127,958	18.2	16,041	132,053
2030	90,564	14.2	12,860	102,698	18.0	16,302	128,377	18.2	16,483	132,486
2031	93,055	14.2	13,214	102,869	18.0	16,750	128,591	18.2	16,936	132,707
2032	95,614	14.2	13,577	102,859	18.0	17,211	128,579	18.2	17,402	132,694
2033	98,243	14.2	13,951	102,650	18.0	17,684	128,318	18.2	17,880	132,425

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2024	\$ 76,960	20.9%	\$16,085	\$ 144,891	21.6%	\$16,623	\$ 148,114	23.7%	\$18,240	\$ 162,418
2025	79,076	20.9	16,527	146,281	21.6	17,080	149,535	23.7	18,741	163,976
2026	81,251	20.9	16,981	147,527	21.6	17,550	150,809	23.7	19,256	165,373
2027	83,485	20.9	17,448	148,613	21.6	18,033	151,920	23.7	19,786	166,591
2028	85,781	20.9	17,928	149,521	21.6	18,529	152,849	23.7	20,330	167,609
2029	88,140	20.9	18,421	150,232	21.6	19,038	153,576	23.7	20,889	168,406
2030	90,564	20.9	18,928	150,724	21.6	19,562	154,079	23.7	21,464	168,958
2031	93,055	20.9	19,448	150,975	21.6	20,100	154,336	23.7	22,054	169,240
2032	95,614	20.9	19,983	150,960	21.6	20,653	154,321	23.7	22,661	169,224
2033	98,243	20.9	20,533	150,653	21.6	21,220	154,008	23.7	23,284	168,880

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2024	\$ 76,960	25.4%	\$19,548	\$ 172,795	26.5%	\$20,394	\$ 179,948	29.2%	\$22,472	\$ 197,460
2025	79,076	25.4	20,085	174,453	26.5	20,955	181,674	29.2	23,090	199,354
2026	81,251	25.4	20,638	175,940	26.5	21,532	183,222	29.2	23,725	201,053
2027	83,485	25.4	21,205	177,236	26.5	22,124	184,571	29.2	24,378	202,534
2028	85,781	25.4	21,788	178,319	26.5	22,732	185,699	29.2	25,048	203,772
2029	88,140	25.4	22,388	179,167	26.5	23,357	186,582	29.2	25,737	204,741
2030	90,564	25.4	23,003	179,754	26.5	23,999	187,193	29.2	26,445	205,412
2031	93,055	25.4	23,636	180,053	26.5	24,660	187,505	29.2	27,172	205,754
2032	95,614	25.4	24,286	180,036	26.5	25,338	187,487	29.2	27,919	205,734
2033	98,243	25.4	24,954	179,670	26.5	26,034	187,106	29.2	28,687	205,316

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	12.3%	\$9,466	\$ 98,724	16.1%	\$12,391	\$ 123,408	16.3%	\$12,544	\$ 127,357
2025	79,076	12.3	9,726	99,671	16.1	12,731	124,592	16.3	12,889	128,579
2026	81,251	12.3	9,994	100,520	16.1	13,081	125,654	16.3	13,244	129,675
2027	83,485	12.3	10,269	101,260	16.1	13,441	126,579	16.3	13,608	130,630
2028	85,781	12.3	10,551	101,879	16.1	13,811	127,353	16.3	13,982	131,428
2029	88,140	12.3	10,841	102,363	16.1	14,191	127,958	16.3	14,367	132,053
2030	90,564	12.3	11,139	102,698	16.1	14,581	128,377	16.3	14,762	132,486
2031	93,055	12.3	11,446	102,869	16.1	14,982	128,591	16.3	15,168	132,707
2032	95,614	12.3	11,761	102,859	16.1	15,394	128,579	16.3	15,585	132,694
2033	98,243	12.3	12,084	102,650	16.1	15,817	128,318	16.3	16,014	132,425

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	19.0%	\$14,622	\$ 144,891	19.7%	\$15,161	\$ 148,114	21.8%	\$16,777	\$ 162,418
2025	79,076	19.0	15,024	146,281	19.7	15,578	149,535	21.8	17,239	163,976
2026	81,251	19.0	15,438	147,527	19.7	16,006	150,809	21.8	17,713	165,373
2027	83,485	19.0	15,862	148,613	19.7	16,447	151,920	21.8	18,200	166,591
2028	85,781	19.0	16,298	149,521	19.7	16,899	152,849	21.8	18,700	167,609
2029	88,140	19.0	16,747	150,232	19.7	17,364	153,576	21.8	19,215	168,406
2030	90,564	19.0	17,207	150,724	19.7	17,841	154,079	21.8	19,743	168,958
2031	93,055	19.0	17,680	150,975	19.7	18,332	154,336	21.8	20,286	169,240
2032	95,614	19.0	18,167	150,960	19.7	18,836	154,321	21.8	20,844	169,224
2033	98,243	19.0	18,666	150,653	19.7	19,354	154,008	21.8	21,417	168,880

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	23.5%	\$18,086	\$ 172,795	24.6%	\$18,932	\$ 179,948	27.3%	\$21,010	\$ 197,460
2025	79,076	23.5	18,583	174,453	24.6	19,453	181,674	27.3	21,588	199,354
2026	81,251	23.5	19,094	175,940	24.6	19,988	183,222	27.3	22,182	201,053
2027	83,485	23.5	19,619	177,236	24.6	20,537	184,571	27.3	22,791	202,534
2028	85,781	23.5	20,159	178,319	24.6	21,102	185,699	27.3	23,418	203,772
2029	88,140	23.5	20,713	179,167	24.6	21,682	186,582	27.3	24,062	204,741
2030	90,564	23.5	21,283	179,754	24.6	22,279	187,193	27.3	24,724	205,412
2031	93,055	23.5	21,868	180,053	24.6	22,892	187,505	27.3	25,404	205,754
2032	95,614	23.5	22,469	180,036	24.6	23,521	187,487	27.3	26,103	205,734
2033	98,243	23.5	23,087	179,670	24.6	24,168	187,106	27.3	26,820	205,316

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	10.4%	\$8,004	\$ 98,724	14.2%	\$10,928	\$ 123,408	14.4%	\$11,082	\$ 127,357
2025	79,076	10.4	8,224	99,671	14.2	11,229	124,592	14.4	11,387	128,579
2026	81,251	10.4	8,450	100,520	14.2	11,538	125,654	14.4	11,700	129,675
2027	83,485	10.4	8,682	101,260	14.2	11,855	126,579	14.4	12,022	130,630
2028	85,781	10.4	8,921	101,879	14.2	12,181	127,353	14.4	12,352	131,428
2029	88,140	10.4	9,167	102,363	14.2	12,516	127,958	14.4	12,692	132,053
2030	90,564	10.4	9,419	102,698	14.2	12,860	128,377	14.4	13,041	132,486
2031	93,055	10.4	9,678	102,869	14.2	13,214	128,591	14.4	13,400	132,707
2032	95,614	10.4	9,944	102,859	14.2	13,577	128,579	14.4	13,768	132,694
2033	98,243	10.4	10,217	102,650	14.2	13,951	128,318	14.4	14,147	132,425

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	17.1%	\$13,160	\$ 144,891	17.8%	\$13,699	\$ 148,114	19.9%	\$15,315	\$ 162,418
2025	79,076	17.1	13,522	146,281	17.8	14,076	149,535	19.9	15,736	163,976
2026	81,251	17.1	13,894	147,527	17.8	14,463	150,809	19.9	16,169	165,373
2027	83,485	17.1	14,276	148,613	17.8	14,860	151,920	19.9	16,614	166,591
2028	85,781	17.1	14,669	149,521	17.8	15,269	152,849	19.9	17,070	167,609
2029	88,140	17.1	15,072	150,232	17.8	15,689	153,576	19.9	17,540	168,406
2030	90,564	17.1	15,486	150,724	17.8	16,120	154,079	19.9	18,022	168,958
2031	93,055	17.1	15,912	150,975	17.8	16,564	154,336	19.9	18,518	169,240
2032	95,614	17.1	16,350	150,960	17.8	17,019	154,321	19.9	19,027	169,224
2033	98,243	17.1	16,800	150,653	17.8	17,487	154,008	19.9	19,550	168,880

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	21.6%	\$16,623	\$ 172,795	22.7%	\$17,470	\$ 179,948	25.4%	\$19,548	\$ 197,460
2025	79,076	21.6	17,080	174,453	22.7	17,950	181,674	25.4	20,085	199,354
2026	81,251	21.6	17,550	175,940	22.7	18,444	183,222	25.4	20,638	201,053
2027	83,485	21.6	18,033	177,236	22.7	18,951	184,571	25.4	21,205	202,534
2028	85,781	21.6	18,529	178,319	22.7	19,472	185,699	25.4	21,788	203,772
2029	88,140	21.6	19,038	179,167	22.7	20,008	186,582	25.4	22,388	204,741
2030	90,564	21.6	19,562	179,754	22.7	20,558	187,193	25.4	23,003	205,412
2031	93,055	21.6	20,100	180,053	22.7	21,123	187,505	25.4	23,636	205,754
2032	95,614	21.6	20,653	180,036	22.7	21,704	187,487	25.4	24,286	205,734
2033	98,243	21.6	21,220	179,670	22.7	22,301	187,106	25.4	24,954	205,316

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	17.1%	\$13,160	\$ 108,061	21.0%	\$16,162	\$ 135,098	22.9%	\$17,624	\$ 153,260
2025	79,076	17.1	13,522	109,098	21.0	16,606	136,394	22.9	18,108	154,730
2026	81,251	17.1	13,894	110,028	21.0	17,063	137,556	22.9	18,606	156,048
2027	83,485	17.1	14,276	110,838	21.0	17,532	138,569	22.9	19,118	157,197
2028	85,781	17.1	14,669	111,515	21.0	18,014	139,416	22.9	19,644	158,158
2029	88,140	17.1	15,072	112,045	21.0	18,509	140,079	22.9	20,184	158,910
2030	90,564	17.1	15,486	112,412	21.0	19,018	140,538	22.9	20,739	159,431
2031	93,055	17.1	15,912	112,599	21.0	19,542	140,772	22.9	21,310	159,697
2032	95,614	17.1	16,350	112,588	21.0	20,079	140,758	22.9	21,896	159,682
2033	98,243	17.1	16,800	112,359	21.0	20,631	140,472	22.9	22,498	159,358

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	25.5%	\$19,625	\$ 168,997	25.0%	\$19,240	\$ 162,085	28.0%	\$21,549	\$ 184,692
2025	79,076	25.5	20,164	170,618	25.0	19,769	163,640	28.0	22,141	186,464
2026	81,251	25.5	20,719	172,072	25.0	20,313	165,034	28.0	22,750	188,053
2027	83,485	25.5	21,289	173,339	25.0	20,871	166,249	28.0	23,376	189,438
2028	85,781	25.5	21,874	174,398	25.0	21,445	167,265	28.0	24,019	190,596
2029	88,140	25.5	22,476	175,227	25.0	22,035	168,060	28.0	24,679	191,502
2030	90,564	25.5	23,094	175,801	25.0	22,641	168,611	28.0	25,358	192,130
2031	93,055	25.5	23,729	176,094	25.0	23,264	168,892	28.0	26,055	192,450
2032	95,614	25.5	24,382	176,077	25.0	23,904	168,876	28.0	26,772	192,431
2033	98,243	25.5	25,052	175,719	25.0	24,561	168,533	28.0	27,508	192,040

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	29.0%	\$22,318	\$ 189,095	30.5%	\$23,473	\$ 200,399	33.0%	\$25,397	\$ 216,119
2025	79,076	29.0	22,932	190,909	30.5	24,118	202,321	33.0	26,095	218,192
2026	81,251	29.0	23,563	192,536	30.5	24,782	204,045	33.0	26,813	220,051
2027	83,485	29.0	24,211	193,954	30.5	25,463	205,548	33.0	27,550	221,672
2028	85,781	29.0	24,876	195,139	30.5	26,163	206,804	33.0	28,308	223,027
2029	88,140	29.0	25,561	196,067	30.5	26,883	207,787	33.0	29,086	224,087
2030	90,564	29.0	26,264	196,710	30.5	27,622	208,468	33.0	29,886	224,821
2031	93,055	29.0	26,986	197,038	30.5	28,382	208,815	33.0	30,708	225,196
2032	95,614	29.0	27,728	197,019	30.5	29,162	208,795	33.0	31,553	225,174
2033	98,243	29.0	28,490	196,619	30.5	29,964	208,371	33.0	32,420	224,717

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	15.2%	\$11,698	\$ 108,061	19.1%	\$14,699	\$ 135,098	21.0%	\$16,162	\$ 153,260
2025	79,076	15.2	12,020	109,098	19.1	15,104	136,394	21.0	16,606	154,730
2026	81,251	15.2	12,350	110,028	19.1	15,519	137,556	21.0	17,063	156,048
2027	83,485	15.2	12,690	110,838	19.1	15,946	138,569	21.0	17,532	157,197
2028	85,781	15.2	13,039	111,515	19.1	16,384	139,416	21.0	18,014	158,158
2029	88,140	15.2	13,397	112,045	19.1	16,835	140,079	21.0	18,509	158,910
2030	90,564	15.2	13,766	112,412	19.1	17,298	140,538	21.0	19,018	159,431
2031	93,055	15.2	14,144	112,599	19.1	17,774	140,772	21.0	19,542	159,697
2032	95,614	15.2	14,533	112,588	19.1	18,262	140,758	21.0	20,079	159,682
2033	98,243	15.2	14,933	112,359	19.1	18,764	140,472	21.0	20,631	159,358

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	23.6%	\$18,163	\$ 168,997	23.1%	\$17,778	\$ 162,085	26.1%	\$20,087	\$ 184,692
2025	79,076	23.6	18,662	170,618	23.1	18,267	163,640	26.1	20,639	186,464
2026	81,251	23.6	19,175	172,072	23.1	18,769	165,034	26.1	21,207	188,053
2027	83,485	23.6	19,702	173,339	23.1	19,285	166,249	26.1	21,790	189,438
2028	85,781	23.6	20,244	174,398	23.1	19,815	167,265	26.1	22,389	190,596
2029	88,140	23.6	20,801	175,227	23.1	20,360	168,060	26.1	23,005	191,502
2030	90,564	23.6	21,373	175,801	23.1	20,920	168,611	26.1	23,637	192,130
2031	93,055	23.6	21,961	176,094	23.1	21,496	168,892	26.1	24,287	192,450
2032	95,614	23.6	22,565	176,077	23.1	22,087	168,876	26.1	24,955	192,431
2033	98,243	23.6	23,185	175,719	23.1	22,694	168,533	26.1	25,641	192,040

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	27.1%	\$20,856	\$ 189,095	28.6%	\$22,011	\$ 200,399	31.1%	\$23,935	\$ 216,119
2025	79,076	27.1	21,430	190,909	28.6	22,616	202,321	31.1	24,593	218,192
2026	81,251	27.1	22,019	192,536	28.6	23,238	204,045	31.1	25,269	220,051
2027	83,485	27.1	22,624	193,954	28.6	23,877	205,548	31.1	25,964	221,672
2028	85,781	27.1	23,247	195,139	28.6	24,533	206,804	31.1	26,678	223,027
2029	88,140	27.1	23,886	196,067	28.6	25,208	207,787	31.1	27,412	224,087
2030	90,564	27.1	24,543	196,710	28.6	25,901	208,468	31.1	28,165	224,821
2031	93,055	27.1	25,218	197,038	28.6	26,614	208,815	31.1	28,940	225,196
2032	95,614	27.1	25,911	197,019	28.6	27,346	208,795	31.1	29,736	225,174
2033	98,243	27.1	26,624	196,619	28.6	28,097	208,371	31.1	30,554	224,717

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	13.3%	\$10,236	\$ 108,061	17.2%	\$13,237	\$ 135,098	19.1%	\$14,699	\$ 153,260
2025	79,076	13.3	10,517	109,098	17.2	13,601	136,394	19.1	15,104	154,730
2026	81,251	13.3	10,806	110,028	17.2	13,975	137,556	19.1	15,519	156,048
2027	83,485	13.3	11,104	110,838	17.2	14,359	138,569	19.1	15,946	157,197
2028	85,781	13.3	11,409	111,515	17.2	14,754	139,416	19.1	16,384	158,158
2029	88,140	13.3	11,723	112,045	17.2	15,160	140,079	19.1	16,835	158,910
2030	90,564	13.3	12,045	112,412	17.2	15,577	140,538	19.1	17,298	159,431
2031	93,055	13.3	12,376	112,599	17.2	16,005	140,772	19.1	17,774	159,697
2032	95,614	13.3	12,717	112,588	17.2	16,446	140,758	19.1	18,262	159,682
2033	98,243	13.3	13,066	112,359	17.2	16,898	140,472	19.1	18,764	159,358

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	21.7%	\$16,700	\$ 168,997	21.2%	\$16,316	\$ 162,085	24.2%	\$18,624	\$ 184,692
2025	79,076	21.7	17,159	170,618	21.2	16,764	163,640	24.2	19,136	186,464
2026	81,251	21.7	17,631	172,072	21.2	17,225	165,034	24.2	19,663	188,053
2027	83,485	21.7	18,116	173,339	21.2	17,699	166,249	24.2	20,203	189,438
2028	85,781	21.7	18,614	174,398	21.2	18,186	167,265	24.2	20,759	190,596
2029	88,140	21.7	19,126	175,227	21.2	18,686	168,060	24.2	21,330	191,502
2030	90,564	21.7	19,652	175,801	21.2	19,200	168,611	24.2	21,916	192,130
2031	93,055	21.7	20,193	176,094	21.2	19,728	168,892	24.2	22,519	192,450
2032	95,614	21.7	20,748	176,077	21.2	20,270	168,876	24.2	23,139	192,431
2033	98,243	21.7	21,319	175,719	21.2	20,828	168,533	24.2	23,775	192,040

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	25.2%	\$19,394	\$ 189,095	26.7%	\$20,548	\$ 200,399	29.2%	\$22,472	\$ 216,119
2025	79,076	25.2	19,927	190,909	26.7	21,113	202,321	29.2	23,090	218,192
2026	81,251	25.2	20,475	192,536	26.7	21,694	204,045	29.2	23,725	220,051
2027	83,485	25.2	21,038	193,954	26.7	22,290	205,548	29.2	24,378	221,672
2028	85,781	25.2	21,617	195,139	26.7	22,904	206,804	29.2	25,048	223,027
2029	88,140	25.2	22,211	196,067	26.7	23,533	207,787	29.2	25,737	224,087
2030	90,564	25.2	22,822	196,710	26.7	24,181	208,468	29.2	26,445	224,821
2031	93,055	25.2	23,450	197,038	26.7	24,846	208,815	29.2	27,172	225,196
2032	95,614	25.2	24,095	197,019	26.7	25,529	208,795	29.2	27,919	225,174
2033	98,243	25.2	24,757	196,619	26.7	26,231	208,371	29.2	28,687	224,717

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	11.4%	\$8,773	\$ 108,061	15.3%	\$11,775	\$ 135,098	17.2%	\$13,237	\$ 153,260
2025	79,076	11.4	9,015	109,098	15.3	12,099	136,394	17.2	13,601	154,730
2026	81,251	11.4	9,263	110,028	15.3	12,431	137,556	17.2	13,975	156,048
2027	83,485	11.4	9,517	110,838	15.3	12,773	138,569	17.2	14,359	157,197
2028	85,781	11.4	9,779	111,515	15.3	13,124	139,416	17.2	14,754	158,158
2029	88,140	11.4	10,048	112,045	15.3	13,485	140,079	17.2	15,160	158,910
2030	90,564	11.4	10,324	112,412	15.3	13,856	140,538	17.2	15,577	159,431
2031	93,055	11.4	10,608	112,599	15.3	14,237	140,772	17.2	16,005	159,697
2032	95,614	11.4	10,900	112,588	15.3	14,629	140,758	17.2	16,446	159,682
2033	98,243	11.4	11,200	112,359	15.3	15,031	140,472	17.2	16,898	159,358

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	19.8%	\$15,238	\$ 168,997	19.3%	\$14,853	\$ 162,085	22.3%	\$17,162	\$ 184,692
2025	79,076	19.8	15,657	170,618	19.3	15,262	163,640	22.3	17,634	186,464
2026	81,251	19.8	16,088	172,072	19.3	15,681	165,034	22.3	18,119	188,053
2027	83,485	19.8	16,530	173,339	19.3	16,113	166,249	22.3	18,617	189,438
2028	85,781	19.8	16,985	174,398	19.3	16,556	167,265	22.3	19,129	190,596
2029	88,140	19.8	17,452	175,227	19.3	17,011	168,060	22.3	19,655	191,502
2030	90,564	19.8	17,932	175,801	19.3	17,479	168,611	22.3	20,196	192,130
2031	93,055	19.8	18,425	176,094	19.3	17,960	168,892	22.3	20,751	192,450
2032	95,614	19.8	18,932	176,077	19.3	18,454	168,876	22.3	21,322	192,431
2033	98,243	19.8	19,452	175,719	19.3	18,961	168,533	22.3	21,908	192,040

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	23.3%	\$17,932	\$ 189,095	24.8%	\$19,086	\$ 200,399	27.3%	\$21,010	\$ 216,119
2025	79,076	23.3	18,425	190,909	24.8	19,611	202,321	27.3	21,588	218,192
2026	81,251	23.3	18,931	192,536	24.8	20,150	204,045	27.3	22,182	220,051
2027	83,485	23.3	19,452	193,954	24.8	20,704	205,548	27.3	22,791	221,672
2028	85,781	23.3	19,987	195,139	24.8	21,274	206,804	27.3	23,418	223,027
2029	88,140	23.3	20,537	196,067	24.8	21,859	207,787	27.3	24,062	224,087
2030	90,564	23.3	21,101	196,710	24.8	22,460	208,468	27.3	24,724	224,821
2031	93,055	23.3	21,682	197,038	24.8	23,078	208,815	27.3	25,404	225,196
2032	95,614	23.3	22,278	197,019	24.8	23,712	208,795	27.3	26,103	225,174
2033	98,243	23.3	22,891	196,619	24.8	24,364	208,371	27.3	26,820	224,717

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	17.6%	\$13,545	\$ 111,876	21.7%	\$16,700	\$ 139,854	23.7%	\$18,240	\$ 158,733
2025	79,076	17.6	13,917	112,949	21.7	17,159	141,196	23.7	18,741	160,256
2026	81,251	17.6	14,300	113,911	21.7	17,631	142,399	23.7	19,256	161,622
2027	83,485	17.6	14,693	114,750	21.7	18,116	143,448	23.7	19,786	162,812
2028	85,781	17.6	15,097	115,451	21.7	18,614	144,325	23.7	20,330	163,807
2029	88,140	17.6	15,513	116,000	21.7	19,126	145,011	23.7	20,889	164,586
2030	90,564	17.6	15,939	116,380	21.7	19,652	145,486	23.7	21,464	165,125
2031	93,055	17.6	16,378	116,574	21.7	20,193	145,728	23.7	22,054	165,400
2032	95,614	17.6	16,828	116,563	21.7	20,748	145,714	23.7	22,661	165,384
2033	98,243	17.6	17,291	116,326	21.7	21,319	145,418	23.7	23,284	165,048

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	26.4%	\$20,317	\$ 174,989	25.8%	\$19,856	\$ 167,823	28.9%	\$22,241	\$ 191,244
2025	79,076	26.4	20,876	176,668	25.8	20,402	169,433	28.9	22,853	193,079
2026	81,251	26.4	21,450	178,173	25.8	20,963	170,877	28.9	23,482	194,724
2027	83,485	26.4	22,040	179,485	25.8	21,539	172,135	28.9	24,127	196,158
2028	85,781	26.4	22,646	180,582	25.8	22,131	173,187	28.9	24,791	197,357
2029	88,140	26.4	23,269	181,441	25.8	22,740	174,010	28.9	25,472	198,295
2030	90,564	26.4	23,909	182,036	25.8	23,366	174,580	28.9	26,173	198,945
2031	93,055	26.4	24,567	182,339	25.8	24,008	174,871	28.9	26,893	199,276
2032	95,614	26.4	25,242	182,321	25.8	24,668	174,854	28.9	27,632	199,257
2033	98,243	26.4	25,936	181,951	25.8	25,347	174,499	28.9	28,392	198,852

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	30.0%	\$23,088	\$ 195,805	31.5%	\$24,242	\$ 207,516	34.1%	\$26,243	\$ 223,749
2025	79,076	30.0	23,723	197,683	31.5	24,909	209,507	34.1	26,965	225,895
2026	81,251	30.0	24,375	199,367	31.5	25,594	211,292	34.1	27,707	227,820
2027	83,485	30.0	25,046	200,835	31.5	26,298	212,848	34.1	28,468	229,498
2028	85,781	30.0	25,734	202,063	31.5	27,021	214,149	34.1	29,251	230,901
2029	88,140	30.0	26,442	203,024	31.5	27,764	215,167	34.1	30,056	231,999
2030	90,564	30.0	27,169	203,689	31.5	28,528	215,872	34.1	30,882	232,759
2031	93,055	30.0	27,917	204,028	31.5	29,312	216,232	34.1	31,732	233,147
2032	95,614	30.0	28,684	204,008	31.5	30,118	216,211	34.1	32,604	233,125
2033	98,243	30.0	29,473	203,594	31.5	30,947	215,772	34.1	33,501	232,652

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	15.7%	\$12,083	\$ 111,876	19.8%	\$15,238	\$ 139,854	21.8%	\$16,777	\$ 158,733
2025	79,076	15.7	12,415	112,949	19.8	15,657	141,196	21.8	17,239	160,256
2026	81,251	15.7	12,756	113,911	19.8	16,088	142,399	21.8	17,713	161,622
2027	83,485	15.7	13,107	114,750	19.8	16,530	143,448	21.8	18,200	162,812
2028	85,781	15.7	13,468	115,451	19.8	16,985	144,325	21.8	18,700	163,807
2029	88,140	15.7	13,838	116,000	19.8	17,452	145,011	21.8	19,215	164,586
2030	90,564	15.7	14,219	116,380	19.8	17,932	145,486	21.8	19,743	165,125
2031	93,055	15.7	14,610	116,574	19.8	18,425	145,728	21.8	20,286	165,400
2032	95,614	15.7	15,011	116,563	19.8	18,932	145,714	21.8	20,844	165,384
2033	98,243	15.7	15,424	116,326	19.8	19,452	145,418	21.8	21,417	165,048

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	24.5%	\$18,855	\$ 174,989	23.9%	\$18,393	\$ 167,823	27.0%	\$20,779	\$ 191,244
2025	79,076	24.5	19,374	176,668	23.9	18,899	169,433	27.0	21,351	193,079
2026	81,251	24.5	19,906	178,173	23.9	19,419	170,877	27.0	21,938	194,724
2027	83,485	24.5	20,454	179,485	23.9	19,953	172,135	27.0	22,541	196,158
2028	85,781	24.5	21,016	180,582	23.9	20,502	173,187	27.0	23,161	197,357
2029	88,140	24.5	21,594	181,441	23.9	21,065	174,010	27.0	23,798	198,295
2030	90,564	24.5	22,188	182,036	23.9	21,645	174,580	27.0	24,452	198,945
2031	93,055	24.5	22,798	182,339	23.9	22,240	174,871	27.0	25,125	199,276
2032	95,614	24.5	23,425	182,321	23.9	22,852	174,854	27.0	25,816	199,257
2033	98,243	24.5	24,070	181,951	23.9	23,480	174,499	27.0	26,526	198,852

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	28.1%	\$21,626	\$ 195,805	29.6%	\$22,780	\$ 207,516	32.2%	\$24,781	\$ 223,749
2025	79,076	28.1	22,220	197,683	29.6	23,406	209,507	32.2	25,462	225,895
2026	81,251	28.1	22,832	199,367	29.6	24,050	211,292	32.2	26,163	227,820
2027	83,485	28.1	23,459	200,835	29.6	24,712	212,848	32.2	26,882	229,498
2028	85,781	28.1	24,104	202,063	29.6	25,391	214,149	32.2	27,621	230,901
2029	88,140	28.1	24,767	203,024	29.6	26,089	215,167	32.2	28,381	231,999
2030	90,564	28.1	25,448	203,689	29.6	26,807	215,872	32.2	29,162	232,759
2031	93,055	28.1	26,148	204,028	29.6	27,544	216,232	32.2	29,964	233,147
2032	95,614	28.1	26,868	204,008	29.6	28,302	216,211	32.2	30,788	233,125
2033	98,243	28.1	27,606	203,594	29.6	29,080	215,772	32.2	31,634	232,652

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	13.8%	\$10,620	\$ 111,876	17.9%	\$13,776	\$ 139,854	19.9%	\$15,315	\$ 158,733
2025	79,076	13.8	10,912	112,949	17.9	14,155	141,196	19.9	15,736	160,256
2026	81,251	13.8	11,213	113,911	17.9	14,544	142,399	19.9	16,169	161,622
2027	83,485	13.8	11,521	114,750	17.9	14,944	143,448	19.9	16,614	162,812
2028	85,781	13.8	11,838	115,451	17.9	15,355	144,325	19.9	17,070	163,807
2029	88,140	13.8	12,163	116,000	17.9	15,777	145,011	19.9	17,540	164,586
2030	90,564	13.8	12,498	116,380	17.9	16,211	145,486	19.9	18,022	165,125
2031	93,055	13.8	12,842	116,574	17.9	16,657	145,728	19.9	18,518	165,400
2032	95,614	13.8	13,195	116,563	17.9	17,115	145,714	19.9	19,027	165,384
2033	98,243	13.8	13,558	116,326	17.9	17,585	145,418	19.9	19,550	165,048

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	22.6%	\$17,393	\$ 174,989	22.0%	\$16,931	\$ 167,823	25.1%	\$19,317	\$ 191,244
2025	79,076	22.6	17,871	176,668	22.0	17,397	169,433	25.1	19,848	193,079
2026	81,251	22.6	18,363	178,173	22.0	17,875	170,877	25.1	20,394	194,724
2027	83,485	22.6	18,868	179,485	22.0	18,367	172,135	25.1	20,955	196,158
2028	85,781	22.6	19,387	180,582	22.0	18,872	173,187	25.1	21,531	197,357
2029	88,140	22.6	19,920	181,441	22.0	19,391	174,010	25.1	22,123	198,295
2030	90,564	22.6	20,467	182,036	22.0	19,924	174,580	25.1	22,732	198,945
2031	93,055	22.6	21,030	182,339	22.0	20,472	174,871	25.1	23,357	199,276
2032	95,614	22.6	21,609	182,321	22.0	21,035	174,854	25.1	23,999	199,257
2033	98,243	22.6	22,203	181,951	22.0	21,613	174,499	25.1	24,659	198,852

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 76,960	26.2%	\$20,164	\$ 195,805	27.7%	\$21,318	\$ 207,516	30.3%	\$23,319	\$ 223,749
2025	79,076	26.2	20,718	197,683	27.7	21,904	209,507	30.3	23,960	225,895
2026	81,251	26.2	21,288	199,367	27.7	22,507	211,292	30.3	24,619	227,820
2027	83,485	26.2	21,873	200,835	27.7	23,125	212,848	30.3	25,296	229,498
2028	85,781	26.2	22,475	202,063	27.7	23,761	214,149	30.3	25,992	230,901
2029	88,140	26.2	23,093	203,024	27.7	24,415	215,167	30.3	26,706	231,999
2030	90,564	26.2	23,728	203,689	27.7	25,086	215,872	30.3	27,441	232,759
2031	93,055	26.2	24,380	204,028	27.7	25,776	216,232	30.3	28,196	233,147
2032	95,614	26.2	25,051	204,008	27.7	26,485	216,211	30.3	28,971	233,125
2033	98,243	26.2	25,740	203,594	27.7	27,213	215,772	30.3	29,768	232,652

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



Town of Carrollton - Fire

Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2024	\$ 76,960	11.9%	\$9,158	\$ 111,876	16.0%	\$12,314	\$ 139,854	18.0%	\$13,853	\$ 158,733
2025	79,076	11.9	9,410	112,949	16.0	12,652	141,196	18.0	14,234	160,256
2026	81,251	11.9	9,669	113,911	16.0	13,000	142,399	18.0	14,625	161,622
2027	83,485	11.9	9,935	114,750	16.0	13,358	143,448	18.0	15,027	162,812
2028	85,781	11.9	10,208	115,451	16.0	13,725	144,325	18.0	15,441	163,807
2029	88,140	11.9	10,489	116,000	16.0	14,102	145,011	18.0	15,865	164,586
2030	90,564	11.9	10,777	116,380	16.0	14,490	145,486	18.0	16,302	165,125
2031	93,055	11.9	11,074	116,574	16.0	14,889	145,728	18.0	16,750	165,400
2032	95,614	11.9	11,378	116,563	16.0	15,298	145,714	18.0	17,211	165,384
2033	98,243	11.9	11,691	116,326	16.0	15,719	145,418	18.0	17,684	165,048

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2024	\$ 76,960	20.7%	\$15,931	\$ 174,989	20.1%	\$15,469	\$ 167,823	23.2%	\$17,855	\$ 191,244
2025	79,076	20.7	16,369	176,668	20.1	15,894	169,433	23.2	18,346	193,079
2026	81,251	20.7	16,819	178,173	20.1	16,331	170,877	23.2	18,850	194,724
2027	83,485	20.7	17,281	179,485	20.1	16,780	172,135	23.2	19,369	196,158
2028	85,781	20.7	17,757	180,582	20.1	17,242	173,187	23.2	19,901	197,357
2029	88,140	20.7	18,245	181,441	20.1	17,716	174,010	23.2	20,448	198,295
2030	90,564	20.7	18,747	182,036	20.1	18,203	174,580	23.2	21,011	198,945
2031	93,055	20.7	19,262	182,339	20.1	18,704	174,871	23.2	21,589	199,276
2032	95,614	20.7	19,792	182,321	20.1	19,218	174,854	23.2	22,182	199,257
2033	98,243	20.7	20,336	181,951	20.1	19,747	174,499	23.2	22,792	198,852

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2024	\$ 76,960	24.3%	\$18,701	\$ 195,805	25.8%	\$19,856	\$ 207,516	28.4%	\$21,857	\$ 223,749
2025	79,076	24.3	19,215	197,683	25.8	20,402	209,507	28.4	22,458	225,895
2026	81,251	24.3	19,744	199,367	25.8	20,963	211,292	28.4	23,075	227,820
2027	83,485	24.3	20,287	200,835	25.8	21,539	212,848	28.4	23,710	229,498
2028	85,781	24.3	20,845	202,063	25.8	22,131	214,149	28.4	24,362	230,901
2029	88,140	24.3	21,418	203,024	25.8	22,740	215,167	28.4	25,032	231,999
2030	90,564	24.3	22,007	203,689	25.8	23,366	215,872	28.4	25,720	232,759
2031	93,055	24.3	22,612	204,028	25.8	24,008	216,232	28.4	26,428	233,147
2032	95,614	24.3	23,234	204,008	25.8	24,668	216,211	28.4	27,154	233,125
2033	98,243	24.3	23,873	203,594	25.8	25,347	215,772	28.4	27,901	232,652

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

