



The Initial Valuation For
City of Bridgeton
as of February 29, 2020



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March 27, 2020

City of Bridgeton
Bridgeton, 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 11 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 11 as the prior service cost. 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 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 current cost, disability cost, and prior service cost (the total employer cost as shown on pages 4 thru 11). These contributions are mandatory after official action has been taken to join the System.

The total annual dollar costs shown on pages 12 and 13 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 28, 2019.

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 February 29, 2020. 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.

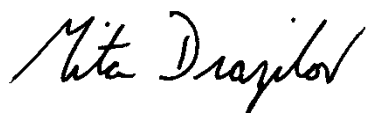
If you have any questions concerning this report or LAGERS in general, please contact the LAGERS office in Jefferson City.

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,



Mita D. Drazilov, ASA, FCA, MAAA



Alternate Plan Provisions Affecting Employer Contribution Rates

The law governing LAGERS provides for either a contributory plan or a non-contributory plan, with benefits based on either a 5 year or 3 year Final Average Salary (FAS).

Contributory Plan. Under the contributory plan, each covered member contributes 4% 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.

Non-Contributory Plan. Under the non-contributory 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.

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 72 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.

City of Bridgeton

Employer Contribution Rates (Contributory Plan - 5 Year FAS) (4% member contributions are additional)

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.30%	3.60%	0.20%	4.10%
	Police	0.70	3.20	0.40	4.30
L-3	General	0.50	5.00	0.30	5.80
	Police	0.90	4.60	0.50	6.00
LT-4(65)	General	0.40	4.20	0.20	4.80
	Police	0.90	4.50	0.40	5.80
LT-5(65)	General	0.50	5.50	0.30	6.30
	Police	1.10	5.50	0.50	7.10
L-7	General	0.60	6.50	0.30	7.40
	Police	1.10	6.00	0.60	7.70
LT-8(65)	General	0.60	6.80	0.30	7.70
	Police	1.20	6.70	0.60	8.50
L-12	General	0.70	8.00	0.40	9.10
	Police	1.30	7.50	0.70	9.50
LT-14(65)	General	0.70	8.10	0.40	9.20
	Police	1.40	7.80	0.70	9.90
L-6	General	0.80	9.50	0.50	10.80
	Police	1.60	8.90	0.80	11.30

* Prior service credit was given for vesting purposes only.

City of Bridgeton

Employer Contribution Rates (Contributory Plan - 3 Year FAS) (4% member contributions are additional)

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.40%	3.80%	0.20%	4.40%
	Police	0.70	3.40	0.40	4.50
L-3	General	0.50	5.30	0.30	6.10
	Police	0.90	4.80	0.50	6.20
LT-4(65)	General	0.40	4.40	0.20	5.00
	Police	0.90	4.70	0.40	6.00
LT-5(65)	General	0.50	5.80	0.30	6.60
	Police	1.10	5.80	0.50	7.40
L-7	General	0.60	6.80	0.30	7.70
	Police	1.20	6.30	0.60	8.10
LT-8(65)	General	0.60	7.20	0.30	8.10
	Police	1.30	7.00	0.60	8.90
L-12	General	0.80	8.30	0.40	9.50
	Police	1.40	7.90	0.70	10.00
LT-14(65)	General	0.80	8.50	0.40	9.70
	Police	1.50	8.10	0.70	10.30
L-6	General	0.90	9.90	0.50	11.30
	Police	1.60	9.40	0.80	11.80

* Prior service credit was given for vesting purposes only.

City of Bridgeton

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS) (No member contributions)

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.50%	7.00%	0.20%	7.70%
	Police	0.90	6.80	0.40	8.10
L-3	General	0.60	8.50	0.30	9.40
	Police	1.10	8.30	0.50	9.90
LT-4(65)	General	0.60	7.70	0.20	8.50
	Police	1.10	8.10	0.40	9.60
LT-5(65)	General	0.70	9.00	0.30	10.00
	Police	1.30	9.20	0.50	11.00
L-7	General	0.80	10.10	0.30	11.20
	Police	1.30	9.70	0.60	11.60
LT-8(65)	General	0.80	10.40	0.30	11.50
	Police	1.40	10.40	0.60	12.40
L-12	General	0.90	11.60	0.40	12.90
	Police	1.50	11.20	0.70	13.40
LT-14(65)	General	0.90	11.80	0.40	13.10
	Police	1.60	11.50	0.70	13.80
L-6	General	1.00	13.10	0.50	14.60
	Police	1.70	12.70	0.80	15.20

* Prior service credit was given for vesting purposes only.

City of Bridgeton

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS) (No member contributions)

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.50%	7.20%	0.20%	7.90%
	Police	0.90	7.00	0.40	8.30
L-3	General	0.70	8.80	0.30	9.80
	Police	1.10	8.50	0.50	10.10
LT-4(65)	General	0.60	7.90	0.20	8.70
	Police	1.10	8.30	0.40	9.80
LT-5(65)	General	0.70	9.30	0.30	10.30
	Police	1.30	9.50	0.50	11.30
L-7	General	0.80	10.40	0.30	11.50
	Police	1.30	10.10	0.60	12.00
LT-8(65)	General	0.80	10.70	0.30	11.80
	Police	1.50	10.70	0.60	12.80
L-12	General	0.90	12.00	0.40	13.30
	Police	1.60	11.60	0.70	13.90
LT-14(65)	General	0.90	12.20	0.40	13.50
	Police	1.60	11.90	0.70	14.20
L-6	General	1.00	13.60	0.50	15.10
	Police	1.80	13.10	0.80	15.70

* Prior service credit was given for vesting purposes only.

City of Bridgeton

Employer Contribution Rates (Contributory Plan - 5 Year FAS) (4% member contributions are additional)

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			Total Employer Contribution Rate
		Prior Service Cost *	Current Cost	Disability Cost	
L-1	General	0.40%	3.90%	0.20%	4.50%
	Police	0.70	3.40	0.40	4.50
L-3	General	0.50	5.50	0.30	6.30
	Police	0.90	4.90	0.50	6.30
LT-4(65)	General	0.50	5.00	0.20	5.70
	Police	1.00	5.10	0.40	6.50
LT-5(65)	General	0.60	6.30	0.30	7.20
	Police	1.10	6.10	0.50	7.70
L-7	General	0.60	7.00	0.30	7.90
	Police	1.20	6.30	0.60	8.10
LT-8(65)	General	0.70	7.60	0.30	8.60
	Police	1.30	7.20	0.60	9.10
L-12	General	0.80	8.60	0.40	9.80
	Police	1.40	7.90	0.70	10.00
LT-14(65)	General	0.80	8.90	0.40	10.10
	Police	1.50	8.20	0.70	10.40
L-6	General	0.90	10.20	0.50	11.60
	Police	1.60	9.40	0.80	11.80

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.

* Prior service credit was given for vesting purposes only.

City of Bridgeton

Employer Contribution Rates (Contributory Plan - 3 Year FAS) (4% member contributions are additional)

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			Total Employer Contribution Rate
		Prior Service Cost *	Current Cost	Disability Cost	
L-1	General	0.40%	4.20%	0.20%	4.80%
	Police	0.70	3.70	0.40	4.80
L-3	General	0.50	5.80	0.30	6.60
	Police	1.00	5.10	0.50	6.60
LT-4(65)	General	0.50	5.30	0.20	6.00
	Police	1.00	5.40	0.40	6.80
LT-5(65)	General	0.60	6.60	0.30	7.50
	Police	1.20	6.40	0.50	8.10
L-7	General	0.70	7.40	0.30	8.40
	Police	1.20	6.70	0.60	8.50
LT-8(65)	General	0.70	7.90	0.30	8.90
	Police	1.40	7.50	0.60	9.50
L-12	General	0.80	9.00	0.40	10.20
	Police	1.50	8.20	0.70	10.40
LT-14(65)	General	0.80	9.30	0.40	10.50
	Police	1.50	8.70	0.70	10.90
L-6	General	0.90	10.60	0.50	12.00
	Police	1.70	9.90	0.80	12.40

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.

* Prior service credit was given for vesting purposes only.

City of Bridgeton

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS) (No member contributions)

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.50%	7.40%	0.20%	8.10%
	Police	0.90	7.00	0.40	8.30
L-3	General	0.70	9.00	0.30	10.00
	Police	1.10	8.50	0.50	10.10
LT-4(65)	General	0.60	8.40	0.20	9.20
	Police	1.20	8.70	0.40	10.30
LT-5(65)	General	0.70	9.80	0.30	10.80
	Police	1.30	9.80	0.50	11.60
L-7	General	0.80	10.60	0.30	11.70
	Police	1.30	10.10	0.60	12.00
LT-8(65)	General	0.90	11.10	0.30	12.30
	Police	1.50	10.90	0.60	13.00
L-12	General	0.90	12.20	0.40	13.50
	Police	1.60	11.60	0.70	13.90
LT-14(65)	General	1.00	12.50	0.40	13.90
	Police	1.60	12.00	0.70	14.30
L-6	General	1.10	13.80	0.50	15.40
	Police	1.80	13.10	0.80	15.70

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.

* Prior service credit was given for vesting purposes only.

City of Bridgeton

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS) (No member contributions)

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.60%	7.60%	0.20%	8.40%
	Police	0.90	7.30	0.40	8.60
L-3	General	0.70	9.30	0.30	10.30
	Police	1.20	8.80	0.50	10.50
LT-4(65)	General	0.70	8.70	0.20	9.60
	Police	1.20	9.00	0.40	10.60
LT-5(65)	General	0.80	10.10	0.30	11.20
	Police	1.40	10.10	0.50	12.00
L-7	General	0.80	10.90	0.30	12.00
	Police	1.40	10.40	0.60	12.40
LT-8(65)	General	0.90	11.50	0.30	12.70
	Police	1.50	11.30	0.60	13.40
L-12	General	1.00	12.60	0.40	14.00
	Police	1.60	12.00	0.70	14.30
LT-14(65)	General	1.00	12.90	0.40	14.30
	Police	1.70	12.40	0.70	14.80
L-6	General	1.10	14.30	0.50	15.90
	Police	1.90	13.60	0.80	16.30

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.

* Prior service credit was given for vesting purposes only.

City of Bridgeton

Employer Contribution Dollars Regular Retirement Eligibility

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:

Contributory Plan

5 Year FAS		
Benefit Program	General	Police
L-1	\$ 74,951	\$ 71,296
L-3	106,029	99,483
LT-4(65)	87,748	96,167
LT-5(65)	115,169	117,721
L-7	135,278	127,670
LT-8(65)	140,762	140,934
L-12	166,355	157,515
LT-14(65)	168,183	164,147
L-6	197,433	187,359

3 Year FAS		
Benefit Program	General	Police
L-1	\$ 80,436	\$ 74,612
L-3	111,513	102,799
LT-4(65)	91,404	99,483
LT-5(65)	120,653	122,696
L-7	140,762	134,302
LT-8(65)	148,075	147,566
L-12	173,668	165,805
LT-14(65)	177,324	170,779
L-6	206,573	195,650

Non-Contributory Plan

5 Year FAS		
Benefit Program	General	Police
L-1	\$ 140,762	\$ 134,302
L-3	171,840	164,147
LT-4(65)	155,387	159,173
LT-5(65)	182,808	182,385
L-7	204,745	192,334
LT-8(65)	210,229	205,598
L-12	235,822	222,178
LT-14(65)	239,479	228,811
L-6	266,900	252,023

3 Year FAS		
Benefit Program	General	Police
L-1	\$ 144,418	\$ 137,618
L-3	179,152	167,463
LT-4(65)	159,043	162,489
LT-5(65)	188,292	187,359
L-7	210,229	198,966
LT-8(65)	215,714	212,230
L-12	243,135	230,469
LT-14(65)	246,791	235,443
L-6	276,040	260,314

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.

City of Bridgeton

Employer Contribution Dollars Rule of 80 Retirement Eligibility

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:

Contributory Plan

5 Year FAS		
Benefit Program	General	Police
L-1	\$ 82,264	\$ 74,612
L-3	115,169	104,457
LT-4(65)	104,201	107,773
LT-5(65)	131,622	127,670
L-7	144,418	134,302
LT-8(65)	157,215	150,882
L-12	179,152	165,805
LT-14(65)	184,636	172,437
L-6	212,057	195,650

3 Year FAS		
Benefit Program	General	Police
L-1	\$ 87,748	\$ 79,586
L-3	120,653	109,431
LT-4(65)	109,685	112,747
LT-5(65)	137,106	134,302
L-7	153,559	140,934
LT-8(65)	162,699	157,515
L-12	186,464	172,437
LT-14(65)	191,949	180,727
L-6	219,370	205,598

Non-Contributory Plan

5 Year FAS		
Benefit Program	General	Police
L-1	\$ 148,075	\$ 137,618
L-3	182,808	167,463
LT-4(65)	168,183	170,779
LT-5(65)	197,433	192,334
L-7	213,886	198,966
LT-8(65)	224,854	215,546
L-12	246,791	230,469
LT-14(65)	254,103	237,101
L-6	281,525	260,314

3 Year FAS		
Benefit Program	General	Police
L-1	\$ 153,559	\$ 142,592
L-3	188,292	174,095
LT-4(65)	175,496	175,753
LT-5(65)	204,745	198,966
L-7	219,370	205,598
LT-8(65)	232,166	222,178
L-12	255,931	237,101
LT-14(65)	261,416	245,391
L-6	290,665	270,262

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.

City of Bridgeton

Employees and Payroll Included in the Valuation

	General	Police
Number of Employees	32	25
Annual Payroll	\$ 1,828,081	\$ 1,658,048

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 11 as the "Prior Service Cost" 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:

City of Bridgeton

Regular Retirement Eligibility

Benefit Group	Employee Group	Contributory		Non-Contributory	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)	UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 109,462	\$ 115,117	\$ 162,677	\$ 168,183
	Police	189,859	199,731	252,520	261,209
L-3	General	150,575	157,658	203,396	210,252
	Police	258,359	270,364	315,604	326,426
LT-4(65)	General	126,645	132,889	179,713	185,853
	Police	256,327	268,555	318,709	329,771
LT-5(65)	General	163,446	170,982	216,158	223,482
	Police	308,167	321,941	365,179	377,860
L-7	General	191,516	199,950	244,002	252,346
	Police	325,399	339,383	378,634	391,691
LT-8(65)	General	200,136	208,868	252,532	261,136
	Police	358,587	373,801	411,678	425,954
L-12	General	232,302	241,944	284,653	294,301
	Police	391,160	407,245	441,754	456,999
LT-14(65)	General	236,627	246,434	288,870	298,733
	Police	407,767	424,472	458,307	474,141
L-6	General	272,930	283,751	325,342	336,372
	Police	456,719	474,968	504,795	522,250

City of Bridgeton

Unfunded Actuarial Accrued Liability (UAAL)

Rule of 80 Retirement Eligibility

Benefit Group	Employee Group	Contributory		Non-Contributory	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)	UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 120,294	\$ 126,209	\$ 172,880	\$ 178,847
	Police	199,566	209,914	261,797	270,973
L-3	General	163,841	171,441	216,131	223,600
	Police	270,189	282,750	327,173	338,656
LT-4(65)	General	152,866	159,989	205,295	212,391
	Police	284,332	297,762	346,285	358,515
LT-5(65)	General	188,285	196,718	240,388	248,779
	Police	333,782	348,606	390,517	404,310
L-7	General	207,218	216,270	259,311	268,217
	Police	339,467	354,093	392,678	406,391
LT-8(65)	General	223,519	233,098	275,546	285,005
	Police	381,853	397,962	434,874	450,171
L-12	General	250,483	260,852	302,550	312,961
	Police	407,391	424,307	458,133	474,156
LT-14(65)	General	258,644	269,254	310,618	321,363
	Police	428,640	446,267	479,251	496,020
L-6	General	293,479	305,265	345,702	357,720
	Police	475,107	494,219	523,497	541,835

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 7.25% 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 2.50% and the wage inflation rate used in making the valuations was 3.25%. The investment return rate translates to an assumed real rate of return over price inflation of 4.75% and over wage inflation of 4.00%. Adopted 2011 and 2016.
2. The healthy retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were the RP-2014 Healthy Annuitant mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The disabled retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were the RP-2014 disabled mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The pre-retirement mortality tables used were the RP-2014 employees mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. For both the post-retirement and pre-retirement tables, the base year for males was then established to be 2017. Mortality rates for a particular calendar year are determined by applying the MP-2015 mortality improvement scale to the above described tables. Adopted 2016.
3. The probabilities of withdrawal and disability from service, together with individual pay increase assumptions, are shown in Schedule 1. Adopted 2016.
4. The probabilities of retirement with an age and service allowance are shown in Schedule 2. Adopted 2016.
5. Post-retirement cost of living allowances are assumed to be 2.50% per year. Adopted 2016.
6. Total active member payroll is assumed to increase 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 2016.
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.

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 Members				Police		Fire	
		Men		Women		Disability	Withdrawal	Disability	Withdrawal
All	0		19.00%		22.00%		18.00%		10.00%
	1		17.00		20.00		17.00		8.00
	2		15.00		17.00		16.00		7.00
	3		13.00		14.00		13.00		6.00
	4		11.00		13.00		12.00		6.00
25	5 & Over	0.09%	7.30	0.02%	10.80	0.10%	9.80	0.06%	5.00
30		0.12	6.50	0.03	8.90	0.11	7.80	0.10	4.00
35		0.15	5.00	0.06	7.40	0.16	6.10	0.23	2.80
40		0.21	3.70	0.10	5.70	0.22	4.40	0.35	2.20
45		0.30	3.00	0.16	4.20	0.34	3.20	0.56	1.80
50		0.44	2.40	0.24	3.30	0.53	1.80	0.85	1.00
55		0.68	1.80	0.34	2.50	0.88	1.00	1.31	0.50
60		1.02	1.00	0.48	1.20		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 & Police	Fire
25	6.55%	7.15%
30	5.75	6.05
35	5.25	5.15
40	4.75	4.45
45	4.25	4.15
50	3.85	3.85
55	3.65	3.65
60	3.55	3.25
65	3.25	3.25

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	Fire
	Men	Women			
55	3.00%	3.00%	50	2.50%	2.50%
56	3.00%	3.00%	51	2.50%	2.50%
57	3.00%	3.00%	52	2.50%	2.50%
58	3.00%	3.00%	53	2.50%	2.50%
59	3.00%	3.00%	54	2.50%	2.50%

Normal Retirement

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

Schedule 2. (Continued)

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

Retirement Ages	General Members		Police	Fire
	Men	Women		
50	15%	15%	25%	25%
51	15	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	30	15	30	45
63	30	15	30	45
64	30	20	30	45
65	30	25	100	100
66	30	25		
67	30	25		
68	30	25		
69	30	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 28, 2019

(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, public safety 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	\$ 930	\$1,455	97%
2,000	700	1,076	1,776	89%
2,500	875	1,223	2,098	84%
3,000	1,050	1,370	2,420	81%
3,500	1,225	1,516	2,741	78%
4,000	1,400	1,662	3,062	77%
25 Years of Service:				
\$1,500	\$ 375	\$ 930	\$1,305	87%
2,000	500	1,076	1,576	79%
2,500	625	1,223	1,848	74%
3,000	750	1,370	2,120	71%
3,500	875	1,516	2,391	68%
4,000	1,000	1,662	2,662	67%
15 Years of Service:				
\$1,500	\$225	\$ 930	\$1,155	77%
2,000	300	1,076	1,376	69%
2,500	375	1,223	1,598	64%
3,000	450	1,370	1,820	61%
3,500	525	1,516	2,041	58%
4,000	600	1,662	2,262	57%

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 2019 - 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	\$ 930	\$1,586	106%
2,000	875	1,076	1,951	98%
2,500	1,094	1,223	2,317	93%
3,000	1,313	1,370	2,683	89%
3,500	1,531	1,516	3,047	87%
4,000	1,750	1,662	3,412	85%
25 Years of Service:				
\$1,500	\$ 469	\$ 930	\$1,399	93%
2,000	625	1,076	1,701	85%
2,500	781	1,223	2,004	80%
3,000	938	1,370	2,308	77%
3,500	1,094	1,516	2,610	75%
4,000	1,250	1,662	2,912	73%
15 Years of Service:				
\$1,500	\$281	\$ 930	\$1,211	81%
2,000	375	1,076	1,451	73%
2,500	469	1,223	1,692	68%
3,000	563	1,370	1,933	64%
3,500	656	1,516	2,172	62%
4,000	750	1,662	2,412	60%

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 2019 - 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	\$ 930	\$1,718	115%
2,000	1,050	1,076	2,126	106%
2,500	1,313	1,223	2,536	101%
3,000	1,575	1,370	2,945	98%
3,500	1,838	1,516	3,354	96%
4,000	2,100	1,662	3,762	94%
25 Years of Service:				
\$1,500	\$ 563	\$ 930	\$1,493	100%
2,000	750	1,076	1,826	91%
2,500	938	1,223	2,161	86%
3,000	1,125	1,370	2,495	83%
3,500	1,313	1,516	2,829	81%
4,000	1,500	1,662	3,162	79%
15 Years of Service:				
\$1,500	\$338	\$ 930	\$1,268	85%
2,000	450	1,076	1,526	76%
2,500	563	1,223	1,786	71%
3,000	675	1,370	2,045	68%
3,500	788	1,516	2,304	66%
4,000	900	1,662	2,562	64%

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 2019 - 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	\$ 930	\$1,849	123%
2,000	1,225	1,076	2,301	115%
2,500	1,531	1,223	2,754	110%
3,000	1,838	1,370	3,208	107%
3,500	2,144	1,516	3,660	105%
4,000	2,450	1,662	4,112	103%
25 Years of Service:				
\$1,500	\$ 656	\$ 930	\$1,586	106%
2,000	875	1,076	1,951	98%
2,500	1,094	1,223	2,317	93%
3,000	1,313	1,370	2,683	89%
3,500	1,531	1,516	3,047	87%
4,000	1,750	1,662	3,412	85%
15 Years of Service:				
\$1,500	\$ 394	\$ 930	\$1,324	88%
2,000	525	1,076	1,601	80%
2,500	656	1,223	1,879	75%
3,000	788	1,370	2,158	72%
3,500	919	1,516	2,435	70%
4,000	1,050	1,662	2,712	68%

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 2019 - 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	\$ 930	\$1,980	132%
2,000	1,400	1,076	2,476	124%
2,500	1,750	1,223	2,973	119%
3,000	2,100	1,370	3,470	116%
3,500	2,450	1,516	3,966	113%
4,000	2,800	1,662	4,462	112%
25 Years of Service:				
\$1,500	\$ 750	\$ 930	\$1,680	112%
2,000	1,000	1,076	2,076	104%
2,500	1,250	1,223	2,473	99%
3,000	1,500	1,370	2,870	96%
3,500	1,750	1,516	3,266	93%
4,000	2,000	1,662	3,662	92%
15 Years of Service:				
\$1,500	\$ 450	\$ 930	\$1,380	92%
2,000	600	1,076	1,676	84%
2,500	750	1,223	1,973	79%
3,000	900	1,370	2,270	76%
3,500	1,050	1,516	2,566	73%
4,000	1,200	1,662	2,862	72%

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 2019 - 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	\$ 930	\$1,050	\$1,455	70%	97%
2,000	1,400	700	1,076	1,400	1,776	70%	89%
2,500	1,750	875	1,223	1,750	2,098	70%	84%
3,000	2,100	1,050	1,370	2,100	2,420	70%	81%
3,500	2,450	1,225	1,516	2,450	2,741	70%	78%
4,000	2,800	1,400	1,662	2,800	3,062	70%	77%
25 Years of Service:							
\$1,500	\$ 750	\$ 375	\$ 930	\$ 750	\$1,305	50%	87%
2,000	1,000	500	1,076	1,000	1,576	50%	79%
2,500	1,250	625	1,223	1,250	1,848	50%	74%
3,000	1,500	750	1,370	1,500	2,120	50%	71%
3,500	1,750	875	1,516	1,750	2,391	50%	68%
4,000	2,000	1,000	1,662	2,000	2,662	50%	67%
15 Years of Service:							
\$1,500	\$ 450	\$225	\$ 930	\$ 450	\$1,155	30%	77%
2,000	600	300	1,076	600	1,376	30%	69%
2,500	750	375	1,223	750	1,598	30%	64%
3,000	900	450	1,370	900	1,820	30%	61%
3,500	1,050	525	1,516	1,050	2,041	30%	58%
4,000	1,200	600	1,662	1,200	2,262	30%	57%

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 2019 - 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	\$ 930	\$1,050	\$1,586	70%	106%
2,000	1,400	875	1,076	1,400	1,951	70%	98%
2,500	1,750	1,094	1,223	1,750	2,317	70%	93%
3,000	2,100	1,313	1,370	2,100	2,683	70%	89%
3,500	2,450	1,531	1,516	2,450	3,047	70%	87%
4,000	2,800	1,750	1,662	2,800	3,412	70%	85%
25 Years of Service:							
\$1,500	\$ 750	\$ 469	\$ 930	\$ 750	\$1,399	50%	93%
2,000	1,000	625	1,076	1,000	1,701	50%	85%
2,500	1,250	781	1,223	1,250	2,004	50%	80%
3,000	1,500	938	1,370	1,500	2,308	50%	77%
3,500	1,750	1,094	1,516	1,750	2,610	50%	75%
4,000	2,000	1,250	1,662	2,000	2,912	50%	73%
15 Years of Service:							
\$1,500	\$ 450	\$281	\$ 930	\$ 450	\$1,211	30%	81%
2,000	600	375	1,076	600	1,451	30%	73%
2,500	750	469	1,223	750	1,692	30%	68%
3,000	900	563	1,370	900	1,933	30%	64%
3,500	1,050	656	1,516	1,050	2,172	30%	62%
4,000	1,200	750	1,662	1,200	2,412	30%	60%

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 2019 - 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	\$ 930	\$1,050	\$1,718	70%	115%
2,000	1,400	1,050	1,076	1,400	2,126	70%	106%
2,500	1,750	1,313	1,223	1,750	2,536	70%	101%
3,000	2,100	1,575	1,370	2,100	2,945	70%	98%
3,500	2,450	1,838	1,516	2,450	3,354	70%	96%
4,000	2,800	2,100	1,662	2,800	3,762	70%	94%
25 Years of Service:							
\$1,500	\$ 750	\$ 563	\$ 930	\$ 750	\$1,493	50%	100%
2,000	1,000	750	1,076	1,000	1,826	50%	91%
2,500	1,250	938	1,223	1,250	2,161	50%	86%
3,000	1,500	1,125	1,370	1,500	2,495	50%	83%
3,500	1,750	1,313	1,516	1,750	2,829	50%	81%
4,000	2,000	1,500	1,662	2,000	3,162	50%	79%
15 Years of Service:							
\$1,500	\$ 450	\$338	\$ 930	\$ 450	\$1,268	30%	85%
2,000	600	450	1,076	600	1,526	30%	76%
2,500	750	563	1,223	750	1,786	30%	71%
3,000	900	675	1,370	900	2,045	30%	68%
3,500	1,050	788	1,516	1,050	2,304	30%	66%
4,000	1,200	900	1,662	1,200	2,562	30%	64%

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 2019 - 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	\$ 930	\$1,050	\$1,849	70%	123%
2,000	1,400	1,225	1,076	1,400	2,301	70%	115%
2,500	1,750	1,531	1,223	1,750	2,754	70%	110%
3,000	2,100	1,838	1,370	2,100	3,208	70%	107%
3,500	2,450	2,144	1,516	2,450	3,660	70%	105%
4,000	2,800	2,450	1,662	2,800	4,112	70%	103%
25 Years of Service:							
\$1,500	\$ 750	\$ 656	\$ 930	\$ 750	\$1,586	50%	106%
2,000	1,000	875	1,076	1,000	1,951	50%	98%
2,500	1,250	1,094	1,223	1,250	2,317	50%	93%
3,000	1,500	1,313	1,370	1,500	2,683	50%	89%
3,500	1,750	1,531	1,516	1,750	3,047	50%	87%
4,000	2,000	1,750	1,662	2,000	3,412	50%	85%
15 Years of Service:							
\$1,500	\$ 450	\$ 394	\$ 930	\$ 450	\$1,324	30%	88%
2,000	600	525	1,076	600	1,601	30%	80%
2,500	750	656	1,223	750	1,879	30%	75%
3,000	900	788	1,370	900	2,158	30%	72%
3,500	1,050	919	1,516	1,050	2,435	30%	70%
4,000	1,200	1,050	1,662	1,200	2,712	30%	68%

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 2019 - 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

City of Bridgeton - General

February 29, 2020

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	2							2	\$ 92,476
25-29	5							5	\$ 251,853
30-34	4							4	\$ 215,263
35-39	6							6	\$ 321,003
40-44	2	1						3	\$ 228,667
45-49	1							1	\$ 47,745
50-54	4							4	\$ 313,034
55-59	3							3	\$ 151,291
60-64	4							4	\$ 206,749
65-69									
70 & Over									
Totals	31	1						32	\$ 1,828,081

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

Age: 41.5 years.

Benefit Service: 0.0 years.

Annual Pay: \$ 57,128.

City of Bridgeton - Police

February 29, 2020

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	2							2	\$ 110,874
25-29	8	1						9	\$ 580,318
30-34	2	3						5	\$ 347,570
35-39	4	2						6	\$ 395,148
40-44		2						2	\$ 149,463
45-49		1						1	\$ 74,675
50-54									
55-59									
60-64									
65-69									
70 & Over									
Totals	16	9						25	\$ 1,658,048

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

Age: 32.2 years.

Benefit Service: 0.0 years.

Annual Pay: \$ 66,322.

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 11 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.



March 27, 2020 E-mail

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

Dear Bob:

Enclosed is the report of the February 29, 2020 Initial Actuarial Valuation of LAGERS benefits for the employees of

City of Bridgeton

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

March 27, 2020

City of Bridgeton
Bridgeton, Missouri

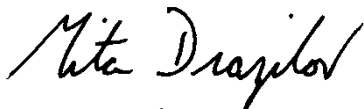
Ladies and Gentlemen:

This report contains projections needed to comply with Missouri state disclosure requirements (Section 105.660 of the RSMo) regarding the adoption of LAGERS benefits by a political subdivision. This report is intended to be a supplement to the February 29, 2020 Initial Valuation for the City of Bridgeton dated March 27, 2020.

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 28, 2019.

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,



Mita D. Drazilov, ASA, FCA, MAAA

City of Bridgeton - General

Employer Contribution Rates (Contributory Plan - 5 Year FAS)

(4% 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
2020	\$ 1,828,081	4.1%	\$74,951	\$ 109,462	5.8%	\$106,029	\$ 150,575	4.8%	\$87,748	\$ 126,645
2021	1,887,494	4.1	77,387	110,962	5.8	109,475	152,638	4.8	90,600	128,380
2022	1,948,838	4.1	79,902	112,361	5.8	113,033	154,563	4.8	93,544	129,999
2023	2,012,175	4.1	82,499	113,646	5.8	116,706	156,330	4.8	96,584	131,485
2024	2,077,571	4.1	85,180	114,801	5.8	120,499	157,918	4.8	99,723	132,821
2025	2,145,092	4.1	87,949	115,809	5.8	124,415	159,305	4.8	102,964	133,987
2026	2,214,807	4.1	90,807	116,653	5.8	128,459	160,465	4.8	106,311	134,963
2027	2,286,788	4.1	93,758	117,312	5.8	132,634	161,372	4.8	109,766	135,726
2028	2,361,109	4.1	96,805	117,766	5.8	136,944	161,996	4.8	113,333	136,251
2029	2,437,845	4.1	99,952	117,991	5.8	141,395	162,305	4.8	117,017	136,511

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
2020	\$ 1,828,081	6.3%	\$115,169	\$ 163,446	7.4%	\$135,278	\$ 191,516	7.7%	\$140,762	\$ 200,136
2021	1,887,494	6.3	118,912	165,685	7.4	139,675	194,140	7.7	145,337	202,878
2022	1,948,838	6.3	122,777	167,774	7.4	144,214	196,588	7.7	150,061	205,436
2023	2,012,175	6.3	126,767	169,692	7.4	148,901	198,836	7.7	154,937	207,785
2024	2,077,571	6.3	130,887	171,416	7.4	153,740	200,856	7.7	159,973	209,896
2025	2,145,092	6.3	135,141	172,921	7.4	158,737	202,620	7.7	165,172	211,739
2026	2,214,807	6.3	139,533	174,181	7.4	163,896	204,096	7.7	170,540	213,281
2027	2,286,788	6.3	144,068	175,165	7.4	169,222	205,249	7.7	176,083	214,486
2028	2,361,109	6.3	148,750	175,842	7.4	174,722	206,043	7.7	181,805	215,315
2029	2,437,845	6.3	153,584	176,178	7.4	180,401	206,436	7.7	187,714	215,726

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
2020	\$ 1,828,081	9.1%	\$166,355	\$ 232,302	9.2%	\$168,183	\$ 236,627	10.8%	\$197,433	\$ 272,930
2021	1,887,494	9.1	171,762	235,485	9.2	173,649	239,869	10.8	203,849	276,669
2022	1,948,838	9.1	177,344	238,454	9.2	179,293	242,894	10.8	210,475	280,158
2023	2,012,175	9.1	183,108	241,180	9.2	185,120	245,671	10.8	217,315	283,361
2024	2,077,571	9.1	189,059	243,631	9.2	191,137	248,167	10.8	224,378	286,240
2025	2,145,092	9.1	195,203	245,771	9.2	197,348	250,346	10.8	231,670	288,754
2026	2,214,807	9.1	201,547	247,561	9.2	203,762	252,170	10.8	239,199	290,857
2027	2,286,788	9.1	208,098	248,960	9.2	210,384	253,595	10.8	246,973	292,501
2028	2,361,109	9.1	214,861	249,923	9.2	217,222	254,576	10.8	255,000	293,632
2029	2,437,845	9.1	221,844	250,400	9.2	224,282	255,062	10.8	263,287	294,193

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - General

Employer Contribution Rates (Contributory Plan - 3 Year FAS) (4% 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
2020	\$ 1,828,081	4.4%	\$80,436	\$ 115,117	6.1%	\$111,513	\$ 157,658	5.0%	\$91,404	\$ 132,889
2021	1,887,494	4.4	83,050	116,694	6.1	115,137	159,818	5.0	94,375	134,710
2022	1,948,838	4.4	85,749	118,165	6.1	118,879	161,833	5.0	97,442	136,409
2023	2,012,175	4.4	88,536	119,516	6.1	122,743	163,683	5.0	100,609	137,969
2024	2,077,571	4.4	91,413	120,730	6.1	126,732	165,346	5.0	103,879	139,371
2025	2,145,092	4.4	94,384	121,790	6.1	130,851	166,798	5.0	107,255	140,595
2026	2,214,807	4.4	97,452	122,677	6.1	135,103	168,013	5.0	110,740	141,619
2027	2,286,788	4.4	100,619	123,370	6.1	139,494	168,963	5.0	114,339	142,419
2028	2,361,109	4.4	103,889	123,847	6.1	144,028	169,616	5.0	118,055	142,970
2029	2,437,845	4.4	107,265	124,083	6.1	148,709	169,940	5.0	121,892	143,243

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
2020	\$ 1,828,081	6.6%	\$120,653	\$ 170,982	7.7%	\$140,762	\$ 199,950	8.1%	\$148,075	\$ 208,868
2021	1,887,494	6.6	124,575	173,324	7.7	145,337	202,689	8.1	152,887	211,729
2022	1,948,838	6.6	128,623	175,510	7.7	150,061	205,245	8.1	157,856	214,399
2023	2,012,175	6.6	132,804	177,517	7.7	154,937	207,592	8.1	162,986	216,850
2024	2,077,571	6.6	137,120	179,321	7.7	159,973	209,701	8.1	168,283	219,053
2025	2,145,092	6.6	141,576	180,896	7.7	165,172	211,543	8.1	173,752	220,977
2026	2,214,807	6.6	146,177	182,214	7.7	170,540	213,084	8.1	179,399	222,587
2027	2,286,788	6.6	150,928	183,244	7.7	176,083	214,288	8.1	185,230	223,845
2028	2,361,109	6.6	155,833	183,953	7.7	181,805	215,117	8.1	191,250	224,711
2029	2,437,845	6.6	160,898	184,304	7.7	187,714	215,528	8.1	197,465	225,140

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
2020	\$ 1,828,081	9.5%	\$173,668	\$ 241,944	9.7%	\$177,324	\$ 246,434	11.3%	\$206,573	\$ 283,751
2021	1,887,494	9.5	179,312	245,259	9.7	183,087	249,810	11.3	213,287	287,638
2022	1,948,838	9.5	185,140	248,352	9.7	189,037	252,960	11.3	220,219	291,265
2023	2,012,175	9.5	191,157	251,191	9.7	195,181	255,852	11.3	227,376	294,595
2024	2,077,571	9.5	197,369	253,743	9.7	201,524	258,452	11.3	234,766	297,588
2025	2,145,092	9.5	203,784	255,971	9.7	208,074	260,722	11.3	242,395	300,202
2026	2,214,807	9.5	210,407	257,836	9.7	214,836	262,621	11.3	250,273	302,389
2027	2,286,788	9.5	217,245	259,293	9.7	221,818	264,105	11.3	258,407	304,098
2028	2,361,109	9.5	224,305	260,296	9.7	229,028	265,126	11.3	266,805	305,274
2029	2,437,845	9.5	231,595	260,793	9.7	236,471	265,632	11.3	275,476	305,857

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - General

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS)

(0% 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	
2020	\$ 1,828,081	7.7%	\$140,762	\$ 162,677	9.4%	\$171,840	\$ 203,396	8.5%	\$155,387	\$ 179,713
2021	1,887,494	7.7	145,337	164,906	9.4	177,424	206,182	8.5	160,437	182,175
2022	1,948,838	7.7	150,061	166,985	9.4	183,191	208,782	8.5	165,651	184,472
2023	2,012,175	7.7	154,937	168,894	9.4	189,144	211,169	8.5	171,035	186,581
2024	2,077,571	7.7	159,973	170,610	9.4	195,292	213,315	8.5	176,594	188,477
2025	2,145,092	7.7	165,172	172,108	9.4	201,639	215,188	8.5	182,333	190,132
2026	2,214,807	7.7	170,540	173,362	9.4	208,192	216,756	8.5	188,259	191,517
2027	2,286,788	7.7	176,083	174,342	9.4	214,958	217,981	8.5	194,377	192,599
2028	2,361,109	7.7	181,805	175,016	9.4	221,944	218,824	8.5	200,694	193,344
2029	2,437,845	7.7	187,714	175,350	9.4	229,157	219,242	8.5	207,217	193,713

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	
2020	\$ 1,828,081	10.0%	\$182,808	\$ 216,158	11.2%	\$204,745	\$ 244,002	11.5%	\$210,229	\$ 252,532
2021	1,887,494	10.0	188,749	219,119	11.2	211,399	247,345	11.5	217,062	255,992
2022	1,948,838	10.0	194,884	221,882	11.2	218,270	250,464	11.5	224,116	259,220
2023	2,012,175	10.0	201,218	224,419	11.2	225,364	253,328	11.5	231,400	262,184
2024	2,077,571	10.0	207,757	226,699	11.2	232,688	255,902	11.5	238,921	264,848
2025	2,145,092	10.0	214,509	228,690	11.2	240,250	258,149	11.5	246,686	267,174
2026	2,214,807	10.0	221,481	230,356	11.2	248,058	260,029	11.5	254,703	269,120
2027	2,286,788	10.0	228,679	231,658	11.2	256,120	261,499	11.5	262,981	270,641
2028	2,361,109	10.0	236,111	232,554	11.2	264,444	262,510	11.5	271,528	271,688
2029	2,437,845	10.0	243,785	232,998	11.2	273,039	263,011	11.5	280,352	272,207

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	
2020	\$ 1,828,081	12.9%	\$235,822	\$ 284,653	13.1%	\$239,479	\$ 288,870	14.6%	\$266,900	\$ 325,342
2021	1,887,494	12.9	243,487	288,553	13.1	247,262	292,827	14.6	275,574	329,799
2022	1,948,838	12.9	251,400	292,191	13.1	255,298	296,519	14.6	284,530	333,958
2023	2,012,175	12.9	259,571	295,532	13.1	263,595	299,909	14.6	293,778	337,776
2024	2,077,571	12.9	268,007	298,535	13.1	272,162	302,956	14.6	303,325	341,208
2025	2,145,092	12.9	276,717	301,157	13.1	281,007	305,617	14.6	313,183	344,205
2026	2,214,807	12.9	285,710	303,351	13.1	290,140	307,843	14.6	323,362	346,712
2027	2,286,788	12.9	294,996	305,065	13.1	299,569	309,583	14.6	333,871	348,672
2028	2,361,109	12.9	304,583	306,245	13.1	309,305	310,780	14.6	344,722	350,020
2029	2,437,845	12.9	314,482	306,830	13.1	319,358	311,373	14.6	355,925	350,688

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - General

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS)

(0% 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
2020	\$ 1,828,081	7.9%	\$144,418	\$ 168,183	9.8%	\$179,152	\$ 210,252	8.7%	\$159,043	\$ 185,853
2021	1,887,494	7.9	149,112	170,487	9.8	184,974	213,132	8.7	164,212	188,399
2022	1,948,838	7.9	153,958	172,637	9.8	190,986	215,819	8.7	169,549	190,775
2023	2,012,175	7.9	158,962	174,611	9.8	197,193	218,286	8.7	175,059	192,956
2024	2,077,571	7.9	164,128	176,385	9.8	203,602	220,504	8.7	180,749	194,917
2025	2,145,092	7.9	169,462	177,934	9.8	210,219	222,441	8.7	186,623	196,629
2026	2,214,807	7.9	174,970	179,230	9.8	217,051	224,061	8.7	192,688	198,061
2027	2,286,788	7.9	180,656	180,243	9.8	224,105	225,327	8.7	198,951	199,180
2028	2,361,109	7.9	186,528	180,940	9.8	231,389	226,198	8.7	205,416	199,950
2029	2,437,845	7.9	192,590	181,286	9.8	238,909	226,630	8.7	212,093	200,332

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
2020	\$ 1,828,081	10.3%	\$188,292	\$ 223,482	11.5%	\$210,229	\$ 252,346	11.8%	\$215,714	\$ 261,136
2021	1,887,494	10.3	194,412	226,544	11.5	217,062	255,803	11.8	222,724	264,714
2022	1,948,838	10.3	200,730	229,401	11.5	224,116	259,029	11.8	229,963	268,052
2023	2,012,175	10.3	207,254	232,024	11.5	231,400	261,990	11.8	237,437	271,117
2024	2,077,571	10.3	213,990	234,382	11.5	238,921	264,652	11.8	245,153	273,872
2025	2,145,092	10.3	220,944	236,440	11.5	246,686	266,976	11.8	253,121	276,277
2026	2,214,807	10.3	228,125	238,162	11.5	254,703	268,921	11.8	261,347	278,289
2027	2,286,788	10.3	235,539	239,508	11.5	262,981	270,441	11.8	269,841	279,862
2028	2,361,109	10.3	243,194	240,434	11.5	271,528	271,487	11.8	278,611	280,944
2029	2,437,845	10.3	251,098	240,893	11.5	280,352	272,005	11.8	287,666	281,480

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
2020	\$ 1,828,081	13.3%	\$243,135	\$ 294,301	13.5%	\$246,791	\$ 298,733	15.1%	\$276,040	\$ 336,372
2021	1,887,494	13.3	251,037	298,333	13.5	254,812	302,826	15.1	285,012	340,980
2022	1,948,838	13.3	259,195	302,095	13.5	263,093	306,644	15.1	294,275	345,280
2023	2,012,175	13.3	267,619	305,549	13.5	271,644	310,150	15.1	303,838	349,228
2024	2,077,571	13.3	276,317	308,654	13.5	280,472	313,301	15.1	313,713	352,776
2025	2,145,092	13.3	285,297	311,365	13.5	289,587	316,053	15.1	323,909	355,874
2026	2,214,807	13.3	294,569	313,633	13.5	298,999	318,355	15.1	334,436	358,466
2027	2,286,788	13.3	304,143	315,406	13.5	308,716	320,154	15.1	345,305	360,492
2028	2,361,109	13.3	314,027	316,626	13.5	318,750	321,392	15.1	356,527	361,886
2029	2,437,845	13.3	324,233	317,231	13.5	329,109	322,006	15.1	368,115	362,577

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - General

Employer Contribution Rates (Contributory Plan - 5 Year FAS) (4% 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 % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2020	\$ 1,828,081	4.5%	\$82,264	\$ 120,294	6.3%	\$115,169	\$ 163,841	5.7%	\$104,201	\$ 152,866
2021	1,887,494	4.5	84,937	121,942	6.3	118,912	166,086	5.7	107,587	154,960
2022	1,948,838	4.5	87,698	123,480	6.3	122,777	168,180	5.7	111,084	156,914
2023	2,012,175	4.5	90,548	124,892	6.3	126,767	170,103	5.7	114,694	158,708
2024	2,077,571	4.5	93,491	126,161	6.3	130,887	171,831	5.7	118,422	160,321
2025	2,145,092	4.5	96,529	127,269	6.3	135,141	173,340	5.7	122,270	161,729
2026	2,214,807	4.5	99,666	128,196	6.3	139,533	174,603	5.7	126,244	162,907
2027	2,286,788	4.5	102,905	128,921	6.3	144,068	175,590	5.7	130,347	163,828
2028	2,361,109	4.5	106,250	129,420	6.3	148,750	176,269	5.7	134,583	164,462
2029	2,437,845	4.5	109,703	129,667	6.3	153,584	176,606	5.7	138,957	164,776

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
2020	\$ 1,828,081	7.2%	\$131,622	\$ 188,285	7.9%	\$144,418	\$ 207,218	8.6%	\$157,215	\$ 223,519
2021	1,887,494	7.2	135,900	190,864	7.9	149,112	210,057	8.6	162,324	226,581
2022	1,948,838	7.2	140,316	193,271	7.9	153,958	212,706	8.6	167,600	229,438
2023	2,012,175	7.2	144,877	195,481	7.9	158,962	215,138	8.6	173,047	232,061
2024	2,077,571	7.2	149,585	197,467	7.9	164,128	217,324	8.6	178,671	234,419
2025	2,145,092	7.2	154,447	199,201	7.9	169,462	219,233	8.6	184,478	236,478
2026	2,214,807	7.2	159,466	200,652	7.9	174,970	220,830	8.6	190,473	238,201
2027	2,286,788	7.2	164,649	201,786	7.9	180,656	222,078	8.6	196,664	239,547
2028	2,361,109	7.2	170,000	202,566	7.9	186,528	222,937	8.6	203,055	240,473
2029	2,437,845	7.2	175,525	202,953	7.9	192,590	223,363	8.6	209,655	240,932

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
2020	\$ 1,828,081	9.8%	\$179,152	\$ 250,483	10.1%	\$184,636	\$ 258,644	11.6%	\$212,057	\$ 293,479
2021	1,887,494	9.8	184,974	253,915	10.1	190,637	262,187	11.6	218,949	297,500
2022	1,948,838	9.8	190,986	257,117	10.1	196,833	265,493	11.6	226,065	301,251
2023	2,012,175	9.8	197,193	260,057	10.1	203,230	268,528	11.6	233,412	304,695
2024	2,077,571	9.8	203,602	262,699	10.1	209,835	271,256	11.6	240,998	307,791
2025	2,145,092	9.8	210,219	265,006	10.1	216,654	273,638	11.6	248,831	310,494
2026	2,214,807	9.8	217,051	266,936	10.1	223,696	275,631	11.6	256,918	312,756
2027	2,286,788	9.8	224,105	268,445	10.1	230,966	277,189	11.6	265,267	314,524
2028	2,361,109	9.8	231,389	269,483	10.1	238,472	278,261	11.6	273,889	315,740
2029	2,437,845	9.8	238,909	269,998	10.1	246,222	278,792	11.6	282,790	316,343

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - General

Employer Contribution Rates (Contributory Plan - 3 Year FAS) (4% 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 % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2020	\$ 1,828,081	4.8%	\$87,748	\$ 126,209	6.6%	\$120,653	\$ 171,441	6.0%	\$109,685	\$ 159,989
2021	1,887,494	4.8	90,600	127,938	6.6	124,575	173,790	6.0	113,250	162,181
2022	1,948,838	4.8	93,544	129,551	6.6	128,623	175,981	6.0	116,930	164,226
2023	2,012,175	4.8	96,584	131,032	6.6	132,804	177,993	6.0	120,731	166,104
2024	2,077,571	4.8	99,723	132,363	6.6	137,120	179,802	6.0	124,654	167,792
2025	2,145,092	4.8	102,964	133,525	6.6	141,576	181,381	6.0	128,706	169,266
2026	2,214,807	4.8	106,311	134,498	6.6	146,177	182,702	6.0	132,888	170,499
2027	2,286,788	4.8	109,766	135,258	6.6	150,928	183,735	6.0	137,207	171,463
2028	2,361,109	4.8	113,333	135,781	6.6	155,833	184,446	6.0	141,667	172,126
2029	2,437,845	4.8	117,017	136,040	6.6	160,898	184,798	6.0	146,271	172,455

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
2020	\$ 1,828,081	7.5%	\$137,106	\$ 196,718	8.4%	\$153,559	\$ 216,270	8.9%	\$162,699	\$ 233,098
2021	1,887,494	7.5	141,562	199,413	8.4	158,549	219,233	8.9	167,987	236,291
2022	1,948,838	7.5	146,163	201,927	8.4	163,702	221,997	8.9	173,447	239,270
2023	2,012,175	7.5	150,913	204,236	8.4	169,023	224,535	8.9	179,084	242,006
2024	2,077,571	7.5	155,818	206,311	8.4	174,516	226,816	8.9	184,904	244,465
2025	2,145,092	7.5	160,882	208,123	8.4	180,188	228,808	8.9	190,913	246,612
2026	2,214,807	7.5	166,111	209,639	8.4	186,044	230,475	8.9	197,118	248,408
2027	2,286,788	7.5	171,509	210,824	8.4	192,090	231,778	8.9	203,524	249,812
2028	2,361,109	7.5	177,083	211,639	8.4	198,333	232,674	8.9	210,139	250,778
2029	2,437,845	7.5	182,838	212,043	8.4	204,779	233,118	8.9	216,968	251,257

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
2020	\$ 1,828,081	10.2%	\$186,464	\$ 260,852	10.5%	\$191,949	\$ 269,254	12.0%	\$219,370	\$ 305,265
2021	1,887,494	10.2	192,524	264,426	10.5	198,187	272,943	12.0	226,499	309,447
2022	1,948,838	10.2	198,781	267,760	10.5	204,628	276,385	12.0	233,861	313,349
2023	2,012,175	10.2	205,242	270,821	10.5	211,278	279,545	12.0	241,461	316,931
2024	2,077,571	10.2	211,912	273,573	10.5	218,145	282,385	12.0	249,309	320,151
2025	2,145,092	10.2	218,799	275,976	10.5	225,235	284,865	12.0	257,411	322,963
2026	2,214,807	10.2	225,910	277,986	10.5	232,555	286,940	12.0	265,777	325,316
2027	2,286,788	10.2	233,252	279,557	10.5	240,113	288,562	12.0	274,415	327,155
2028	2,361,109	10.2	240,833	280,638	10.5	247,916	289,678	12.0	283,333	328,420
2029	2,437,845	10.2	248,660	281,174	10.5	255,974	290,231	12.0	292,541	329,047

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - General

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS)

(0% 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
2020	\$ 1,828,081	8.1%	\$148,075	\$ 172,880	10.0%	\$182,808	\$ 216,131	9.2%	\$168,183	\$ 205,295
2021	1,887,494	8.1	152,887	175,248	10.0	188,749	219,092	9.2	173,649	208,108
2022	1,948,838	8.1	157,856	177,458	10.0	194,884	221,855	9.2	179,293	210,732
2023	2,012,175	8.1	162,986	179,487	10.0	201,218	224,391	9.2	185,120	213,141
2024	2,077,571	8.1	168,283	181,311	10.0	207,757	226,671	9.2	191,137	215,307
2025	2,145,092	8.1	173,752	182,903	10.0	214,509	228,662	9.2	197,348	217,198
2026	2,214,807	8.1	179,399	184,235	10.0	221,481	230,328	9.2	203,762	218,780
2027	2,286,788	8.1	185,230	185,276	10.0	228,679	231,630	9.2	210,384	220,016
2028	2,361,109	8.1	191,250	185,992	10.0	236,111	232,526	9.2	217,222	220,867
2029	2,437,845	8.1	197,465	186,347	10.0	243,785	232,970	9.2	224,282	221,289

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
2020	\$ 1,828,081	10.8%	\$197,433	\$ 240,388	11.7%	\$213,886	\$ 259,311	12.3%	\$224,854	\$ 275,546
2021	1,887,494	10.8	203,849	243,681	11.7	220,837	262,864	12.3	232,162	279,321
2022	1,948,838	10.8	210,475	246,754	11.7	228,014	266,179	12.3	239,707	282,843
2023	2,012,175	10.8	217,315	249,575	11.7	235,424	269,222	12.3	247,498	286,077
2024	2,077,571	10.8	224,378	252,111	11.7	243,076	271,958	12.3	255,541	288,984
2025	2,145,092	10.8	231,670	254,325	11.7	250,976	274,346	12.3	263,846	291,522
2026	2,214,807	10.8	239,199	256,178	11.7	259,132	276,344	12.3	272,421	293,646
2027	2,286,788	10.8	246,973	257,626	11.7	267,554	277,906	12.3	281,275	295,306
2028	2,361,109	10.8	255,000	258,622	11.7	276,250	278,981	12.3	290,416	296,448
2029	2,437,845	10.8	263,287	259,116	11.7	285,228	279,514	12.3	299,855	297,014

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
2020	\$ 1,828,081	13.5%	\$246,791	\$ 302,550	13.9%	\$254,103	\$ 310,618	15.4%	\$281,525	\$ 345,702
2021	1,887,494	13.5	254,812	306,695	13.9	262,362	314,873	15.4	290,674	350,438
2022	1,948,838	13.5	263,093	310,562	13.9	270,888	318,843	15.4	300,121	354,857
2023	2,012,175	13.5	271,644	314,113	13.9	279,692	322,488	15.4	309,875	358,914
2024	2,077,571	13.5	280,472	317,305	13.9	288,782	325,765	15.4	319,946	362,561
2025	2,145,092	13.5	289,587	320,092	13.9	298,168	328,626	15.4	330,344	365,745
2026	2,214,807	13.5	298,999	322,424	13.9	307,858	331,020	15.4	341,080	368,409
2027	2,286,788	13.5	308,716	324,246	13.9	317,864	332,891	15.4	352,165	370,491
2028	2,361,109	13.5	318,750	325,500	13.9	328,194	334,178	15.4	363,611	371,924
2029	2,437,845	13.5	329,109	326,122	13.9	338,860	334,816	15.4	375,428	372,634

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - General

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS)

(0% 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
2020	\$ 1,828,081	8.4%	\$153,559	\$ 178,847	10.3%	\$188,292	\$ 223,600	9.6%	\$175,496	\$ 212,391
2021	1,887,494	8.4	158,549	181,297	10.3	194,412	226,663	9.6	181,199	215,301
2022	1,948,838	8.4	163,702	183,583	10.3	200,730	229,521	9.6	187,088	218,016
2023	2,012,175	8.4	169,023	185,682	10.3	207,254	232,145	9.6	193,169	220,509
2024	2,077,571	8.4	174,516	187,569	10.3	213,990	234,504	9.6	199,447	222,750
2025	2,145,092	8.4	180,188	189,216	10.3	220,944	236,563	9.6	205,929	224,706
2026	2,214,807	8.4	186,044	190,594	10.3	228,125	238,286	9.6	212,621	226,343
2027	2,286,788	8.4	192,090	191,671	10.3	235,539	239,633	9.6	219,532	227,622
2028	2,361,109	8.4	198,333	192,412	10.3	243,194	240,560	9.6	226,666	228,502
2029	2,437,845	8.4	204,779	192,779	10.3	251,098	241,019	9.6	234,033	228,938

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 %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2020	\$ 1,828,081	11.2%	\$204,745	\$ 248,779	12.0%	\$219,370	\$ 268,217	12.7%	\$232,166	\$ 285,005
2021	1,887,494	11.2	211,399	252,187	12.0	226,499	271,892	12.7	239,712	288,910
2022	1,948,838	11.2	218,270	255,367	12.0	233,861	275,320	12.7	247,502	292,553
2023	2,012,175	11.2	225,364	258,287	12.0	241,461	278,468	12.7	255,546	295,898
2024	2,077,571	11.2	232,688	260,911	12.0	249,309	281,297	12.7	263,852	298,905
2025	2,145,092	11.2	240,250	263,202	12.0	257,411	283,767	12.7	272,427	301,530
2026	2,214,807	11.2	248,058	265,119	12.0	265,777	285,834	12.7	281,280	303,726
2027	2,286,788	11.2	256,120	266,617	12.0	274,415	287,449	12.7	290,422	305,443
2028	2,361,109	11.2	264,444	267,648	12.0	283,333	288,561	12.7	299,861	306,624
2029	2,437,845	11.2	273,039	268,159	12.0	292,541	289,112	12.7	309,606	307,209

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 %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2020	\$ 1,828,081	14.0%	\$255,931	\$ 312,961	14.3%	\$261,416	\$ 321,363	15.9%	\$290,665	\$ 357,720
2021	1,887,494	14.0	264,249	317,249	14.3	269,912	325,766	15.9	300,112	362,621
2022	1,948,838	14.0	272,837	321,249	14.3	278,684	329,874	15.9	309,865	367,193
2023	2,012,175	14.0	281,705	324,922	14.3	287,741	333,645	15.9	319,936	371,391
2024	2,077,571	14.0	290,860	328,224	14.3	297,093	337,035	15.9	330,334	375,165
2025	2,145,092	14.0	300,313	331,107	14.3	306,748	339,995	15.9	341,070	378,460
2026	2,214,807	14.0	310,073	333,519	14.3	316,717	342,472	15.9	352,154	381,217
2027	2,286,788	14.0	320,150	335,404	14.3	327,011	344,408	15.9	363,599	383,372
2028	2,361,109	14.0	330,555	336,701	14.3	337,639	345,740	15.9	375,416	384,855
2029	2,437,845	14.0	341,298	337,344	14.3	348,612	346,400	15.9	387,617	385,590

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - Police

Employer Contribution Rates (Contributory Plan - 5 Year FAS)

(4% 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
2020	\$ 1,658,048	4.3%	\$71,296	\$ 189,859	6.0%	\$99,483	\$ 258,359	5.8%	\$96,167	\$ 256,327
2021	1,711,935	4.3	73,613	192,460	6.0	102,716	261,898	5.8	99,292	259,839
2022	1,767,573	4.3	76,006	194,887	6.0	106,054	265,200	5.8	102,519	263,115
2023	1,825,019	4.3	78,476	197,115	6.0	109,501	268,232	5.8	105,851	266,123
2024	1,884,332	4.3	81,026	199,118	6.0	113,060	270,957	5.8	109,291	268,827
2025	1,945,573	4.3	83,660	200,867	6.0	116,734	273,337	5.8	112,843	271,188
2026	2,008,804	4.3	86,379	202,330	6.0	120,528	275,328	5.8	116,511	273,163
2027	2,074,090	4.3	89,186	203,474	6.0	124,445	276,884	5.8	120,297	274,707
2028	2,141,498	4.3	92,084	204,261	6.0	128,490	277,955	5.8	124,207	275,769
2029	2,211,097	4.3	95,077	204,651	6.0	132,666	278,486	5.8	128,244	276,296

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
2020	\$ 1,658,048	7.1%	\$117,721	\$ 308,167	7.7%	\$127,670	\$ 325,399	8.5%	\$140,934	\$ 358,587
2021	1,711,935	7.1	121,547	312,389	7.7	131,819	329,857	8.5	145,514	363,500
2022	1,767,573	7.1	125,498	316,328	7.7	136,103	334,016	8.5	150,244	368,084
2023	1,825,019	7.1	129,576	319,945	7.7	140,526	337,835	8.5	155,127	372,292
2024	1,884,332	7.1	133,788	323,196	7.7	145,094	341,268	8.5	160,168	376,075
2025	1,945,573	7.1	138,136	326,034	7.7	149,809	344,265	8.5	165,374	379,378
2026	2,008,804	7.1	142,625	328,409	7.7	154,678	346,773	8.5	170,748	382,142
2027	2,074,090	7.1	147,260	330,265	7.7	159,705	348,733	8.5	176,298	384,302
2028	2,141,498	7.1	152,046	331,542	7.7	164,895	350,082	8.5	182,027	385,788
2029	2,211,097	7.1	156,988	332,175	7.7	170,254	350,750	8.5	187,943	386,525

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
2020	\$ 1,658,048	9.5%	\$157,515	\$ 391,160	9.9%	\$164,147	\$ 407,767	11.3%	\$187,359	\$ 456,719
2021	1,711,935	9.5	162,634	396,519	9.9	169,482	413,353	11.3	193,449	462,976
2022	1,767,573	9.5	167,919	401,519	9.9	174,990	418,565	11.3	199,736	468,814
2023	1,825,019	9.5	173,377	406,110	9.9	180,677	423,350	11.3	206,227	474,174
2024	1,884,332	9.5	179,012	410,236	9.9	186,549	427,652	11.3	212,930	478,992
2025	1,945,573	9.5	184,829	413,839	9.9	192,612	431,408	11.3	219,850	483,199
2026	2,008,804	9.5	190,836	416,854	9.9	198,872	434,551	11.3	226,995	486,719
2027	2,074,090	9.5	197,039	419,210	9.9	205,335	437,007	11.3	234,372	489,470
2028	2,141,498	9.5	203,442	420,831	9.9	212,008	438,697	11.3	241,989	491,363
2029	2,211,097	9.5	210,054	421,635	9.9	218,899	439,535	11.3	249,854	492,301

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - Police

Employer Contribution Rates (Contributory Plan - 3 Year FAS)

(4% 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	
2020	\$ 1,658,048	4.5%	\$74,612	\$ 199,731	6.2%	\$102,799	\$ 270,364	6.0%	\$99,483	\$ 268,555
2021	1,711,935	4.5	77,037	202,467	6.2	106,140	274,068	6.0	102,716	272,234
2022	1,767,573	4.5	79,541	205,020	6.2	109,590	277,524	6.0	106,054	275,667
2023	1,825,019	4.5	82,126	207,364	6.2	113,151	280,697	6.0	109,501	278,819
2024	1,884,332	4.5	84,795	209,471	6.2	116,829	283,549	6.0	113,060	281,652
2025	1,945,573	4.5	87,551	211,311	6.2	120,626	286,039	6.0	116,734	284,126
2026	2,008,804	4.5	90,396	212,850	6.2	124,546	288,123	6.0	120,528	286,196
2027	2,074,090	4.5	93,334	214,053	6.2	128,594	289,751	6.0	124,445	287,813
2028	2,141,498	4.5	96,367	214,881	6.2	132,773	290,871	6.0	128,490	288,926
2029	2,211,097	4.5	99,499	215,291	6.2	137,088	291,426	6.0	132,666	289,478

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	
2020	\$ 1,658,048	7.4%	\$122,696	\$ 321,941	8.1%	\$134,302	\$ 339,383	8.9%	\$147,566	\$ 373,801
2021	1,711,935	7.4	126,683	326,352	8.1	138,667	344,032	8.9	152,362	378,922
2022	1,767,573	7.4	130,800	330,467	8.1	143,173	348,370	8.9	157,314	383,700
2023	1,825,019	7.4	135,051	334,245	8.1	147,827	352,353	8.9	162,427	388,087
2024	1,884,332	7.4	139,441	337,641	8.1	152,631	355,933	8.9	167,706	392,030
2025	1,945,573	7.4	143,972	340,606	8.1	157,591	359,059	8.9	173,156	395,473
2026	2,008,804	7.4	148,651	343,087	8.1	162,713	361,675	8.9	178,784	398,354
2027	2,074,090	7.4	153,483	345,026	8.1	168,001	363,719	8.9	184,594	400,605
2028	2,141,498	7.4	158,471	346,360	8.1	173,461	365,126	8.9	190,593	402,154
2029	2,211,097	7.4	163,621	347,021	8.1	179,099	365,823	8.9	196,788	402,922

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	
2020	\$ 1,658,048	10.0%	\$165,805	\$ 407,245	10.3%	\$170,779	\$ 424,472	11.8%	\$195,650	\$ 474,968
2021	1,711,935	10.0	171,194	412,824	10.3	176,329	430,287	11.8	202,008	481,475
2022	1,767,573	10.0	176,757	418,029	10.3	182,060	435,713	11.8	208,574	487,546
2023	1,825,019	10.0	182,502	422,808	10.3	187,977	440,694	11.8	215,352	493,120
2024	1,884,332	10.0	188,433	427,104	10.3	194,086	445,172	11.8	222,351	498,131
2025	1,945,573	10.0	194,557	430,855	10.3	200,394	449,082	11.8	229,578	502,506
2026	2,008,804	10.0	200,880	433,993	10.3	206,907	452,353	11.8	237,039	506,166
2027	2,074,090	10.0	207,409	436,446	10.3	213,631	454,910	11.8	244,743	509,027
2028	2,141,498	10.0	214,150	438,134	10.3	220,574	456,669	11.8	252,697	510,995
2029	2,211,097	10.0	221,110	438,971	10.3	227,743	457,541	11.8	260,909	511,971

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - Police

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS)

(0% 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
2020	\$ 1,658,048	8.1%	\$134,302	\$ 252,520	9.9%	\$164,147	\$ 315,604	9.6%	\$159,173	\$ 318,709
2021	1,711,935	8.1	138,667	255,979	9.9	169,482	319,928	9.6	164,346	323,075
2022	1,767,573	8.1	143,173	259,207	9.9	174,990	323,962	9.6	169,687	327,149
2023	1,825,019	8.1	147,827	262,170	9.9	180,677	327,666	9.6	175,202	330,889
2024	1,884,332	8.1	152,631	264,834	9.9	186,549	330,995	9.6	180,896	334,251
2025	1,945,573	8.1	157,591	267,160	9.9	192,612	333,902	9.6	186,775	337,187
2026	2,008,804	8.1	162,713	269,106	9.9	198,872	336,334	9.6	192,845	339,643
2027	2,074,090	8.1	168,001	270,627	9.9	205,335	338,235	9.6	199,113	341,563
2028	2,141,498	8.1	173,461	271,674	9.9	212,008	339,543	9.6	205,584	342,884
2029	2,211,097	8.1	179,099	272,193	9.9	218,899	340,191	9.6	212,265	343,539

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
2020	\$ 1,658,048	11.0%	\$182,385	\$ 365,179	11.6%	\$192,334	\$ 378,634	12.4%	\$205,598	\$ 411,678
2021	1,711,935	11.0	188,313	370,182	11.6	198,584	383,821	12.4	212,280	417,318
2022	1,767,573	11.0	194,433	374,850	11.6	205,038	388,661	12.4	219,179	422,580
2023	1,825,019	11.0	200,752	379,136	11.6	211,702	393,105	12.4	226,302	427,411
2024	1,884,332	11.0	207,277	382,988	11.6	218,583	397,099	12.4	233,657	431,754
2025	1,945,573	11.0	214,013	386,352	11.6	225,686	400,586	12.4	241,251	435,546
2026	2,008,804	11.0	220,968	389,166	11.6	233,021	403,504	12.4	249,092	438,719
2027	2,074,090	11.0	228,150	391,365	11.6	240,594	405,784	12.4	257,187	441,198
2028	2,141,498	11.0	235,565	392,878	11.6	248,414	407,353	12.4	265,546	442,904
2029	2,211,097	11.0	243,221	393,628	11.6	256,487	408,131	12.4	274,176	443,750

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
2020	\$ 1,658,048	13.4%	\$222,178	\$ 441,754	13.8%	\$228,811	\$ 458,307	15.2%	\$252,023	\$ 504,795
2021	1,711,935	13.4	229,399	447,806	13.8	236,247	464,586	15.2	260,214	511,711
2022	1,767,573	13.4	236,855	453,453	13.8	243,925	470,444	15.2	268,671	518,163
2023	1,825,019	13.4	244,553	458,637	13.8	251,853	475,823	15.2	277,403	524,087
2024	1,884,332	13.4	252,500	463,297	13.8	260,038	480,658	15.2	286,418	529,412
2025	1,945,573	13.4	260,707	467,366	13.8	268,489	484,879	15.2	295,727	534,061
2026	2,008,804	13.4	269,180	470,770	13.8	277,215	488,411	15.2	305,338	537,951
2027	2,074,090	13.4	277,928	473,431	13.8	286,224	491,171	15.2	315,262	540,991
2028	2,141,498	13.4	286,961	475,262	13.8	295,527	493,070	15.2	325,508	543,083
2029	2,211,097	13.4	296,287	476,170	13.8	305,131	494,012	15.2	336,087	544,120

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - Police

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS)

(0% 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
2020	\$ 1,658,048	8.3%	\$137,618	\$ 261,209	10.1%	\$167,463	\$ 326,426	9.8%	\$162,489	\$ 329,771
2021	1,711,935	8.3	142,091	264,788	10.1	172,905	330,898	9.8	167,770	334,289
2022	1,767,573	8.3	146,709	268,127	10.1	178,525	335,070	9.8	173,222	338,504
2023	1,825,019	8.3	151,477	271,192	10.1	184,327	338,901	9.8	178,852	342,374
2024	1,884,332	8.3	156,400	273,948	10.1	190,318	342,345	9.8	184,665	345,853
2025	1,945,573	8.3	161,483	276,354	10.1	196,503	345,352	9.8	190,666	348,890
2026	2,008,804	8.3	166,731	278,367	10.1	202,889	347,868	9.8	196,863	351,431
2027	2,074,090	8.3	172,149	279,940	10.1	209,483	349,834	9.8	203,261	353,417
2028	2,141,498	8.3	177,744	281,023	10.1	216,291	351,187	9.8	209,867	354,784
2029	2,211,097	8.3	183,521	281,560	10.1	223,321	351,858	9.8	216,688	355,461

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
2020	\$ 1,658,048	11.3%	\$187,359	\$ 377,860	12.0%	\$198,966	\$ 391,691	12.8%	\$212,230	\$ 425,954
2021	1,711,935	11.3	193,449	383,037	12.0	205,432	397,057	12.8	219,128	431,790
2022	1,767,573	11.3	199,736	387,867	12.0	212,109	402,064	12.8	226,249	437,235
2023	1,825,019	11.3	206,227	392,301	12.0	219,002	406,661	12.8	233,602	442,234
2024	1,884,332	11.3	212,930	396,287	12.0	226,120	410,793	12.8	241,194	446,728
2025	1,945,573	11.3	219,850	399,767	12.0	233,469	414,401	12.8	249,033	450,651
2026	2,008,804	11.3	226,995	402,679	12.0	241,056	417,420	12.8	257,127	453,934
2027	2,074,090	11.3	234,372	404,955	12.0	248,891	419,779	12.8	265,484	456,499
2028	2,141,498	11.3	241,989	406,521	12.0	256,980	421,402	12.8	274,112	458,264
2029	2,211,097	11.3	249,854	407,297	12.0	265,332	422,207	12.8	283,020	459,139

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
2020	\$ 1,658,048	13.9%	\$230,469	\$ 456,999	14.2%	\$235,443	\$ 474,141	15.7%	\$260,314	\$ 522,250
2021	1,711,935	13.9	237,959	463,260	14.2	243,095	480,637	15.7	268,774	529,405
2022	1,767,573	13.9	245,693	469,101	14.2	250,995	486,698	15.7	277,509	536,080
2023	1,825,019	13.9	253,678	474,464	14.2	259,153	492,262	15.7	286,528	542,209
2024	1,884,332	13.9	261,922	479,285	14.2	267,575	497,264	15.7	295,840	547,718
2025	1,945,573	13.9	270,435	483,494	14.2	276,271	501,631	15.7	305,455	552,528
2026	2,008,804	13.9	279,224	487,016	14.2	285,250	505,285	15.7	315,382	556,553
2027	2,074,090	13.9	288,299	489,768	14.2	294,521	508,141	15.7	325,632	559,698
2028	2,141,498	13.9	297,668	491,662	14.2	304,093	510,106	15.7	336,215	561,862
2029	2,211,097	13.9	307,342	492,601	14.2	313,976	511,080	15.7	347,142	562,935

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - Police

Employer Contribution Rates (Contributory Plan - 5 Year FAS)

(4% 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 % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2020	\$ 1,658,048	4.5%	\$74,612	\$ 199,566	6.3%	\$104,457	\$ 270,189	6.5%	\$107,773	\$ 284,332
2021	1,711,935	4.5	77,037	202,300	6.3	107,852	273,891	6.5	111,276	288,227
2022	1,767,573	4.5	79,541	204,851	6.3	111,357	277,345	6.5	114,892	291,861
2023	1,825,019	4.5	82,126	207,193	6.3	114,976	280,516	6.5	118,626	295,198
2024	1,884,332	4.5	84,795	209,298	6.3	118,713	283,366	6.5	122,482	298,197
2025	1,945,573	4.5	87,551	211,136	6.3	122,571	285,855	6.5	126,462	300,816
2026	2,008,804	4.5	90,396	212,674	6.3	126,555	287,937	6.5	130,572	303,007
2027	2,074,090	4.5	93,334	213,876	6.3	130,668	289,564	6.5	134,816	304,719
2028	2,141,498	4.5	96,367	214,703	6.3	134,914	290,684	6.5	139,197	305,897
2029	2,211,097	4.5	99,499	215,113	6.3	139,299	291,239	6.5	143,721	306,481

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
2020	\$ 1,658,048	7.7%	\$127,670	\$ 333,782	8.1%	\$134,302	\$ 339,467	9.1%	\$150,882	\$ 381,853
2021	1,711,935	7.7	131,819	338,355	8.1	138,667	344,118	9.1	155,786	387,084
2022	1,767,573	7.7	136,103	342,621	8.1	143,173	348,457	9.1	160,849	391,965
2023	1,825,019	7.7	140,526	346,538	8.1	147,827	352,441	9.1	166,077	396,446
2024	1,884,332	7.7	145,094	350,059	8.1	152,631	356,022	9.1	171,474	400,474
2025	1,945,573	7.7	149,809	353,133	8.1	157,591	359,149	9.1	177,047	403,991
2026	2,008,804	7.7	154,678	355,705	8.1	162,713	361,765	9.1	182,801	406,934
2027	2,074,090	7.7	159,705	357,715	8.1	168,001	363,810	9.1	188,742	409,234
2028	2,141,498	7.7	164,895	359,098	8.1	173,461	365,217	9.1	194,876	410,817
2029	2,211,097	7.7	170,254	359,784	8.1	179,099	365,914	9.1	201,210	411,601

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
2020	\$ 1,658,048	10.0%	\$165,805	\$ 407,391	10.4%	\$172,437	\$ 428,640	11.8%	\$195,650	\$ 475,107
2021	1,711,935	10.0	171,194	412,972	10.4	178,041	434,512	11.8	202,008	481,616
2022	1,767,573	10.0	176,757	418,179	10.4	183,828	439,991	11.8	208,574	487,689
2023	1,825,019	10.0	182,502	422,960	10.4	189,802	445,021	11.8	215,352	493,265
2024	1,884,332	10.0	188,433	427,258	10.4	195,971	449,543	11.8	222,351	498,277
2025	1,945,573	10.0	194,557	431,010	10.4	202,340	453,491	11.8	229,578	502,653
2026	2,008,804	10.0	200,880	434,150	10.4	208,916	456,794	11.8	237,039	506,314
2027	2,074,090	10.0	207,409	436,604	10.4	215,705	459,376	11.8	244,743	509,176
2028	2,141,498	10.0	214,150	438,292	10.4	222,716	461,152	11.8	252,697	511,145
2029	2,211,097	10.0	221,110	439,129	10.4	229,954	462,033	11.8	260,909	512,121

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - Police

Employer Contribution Rates (Contributory Plan - 3 Year FAS)

(4% 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 % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2020	\$ 1,658,048	4.8%	\$79,586	\$ 209,914	6.6%	\$109,431	\$ 282,750	6.8%	\$112,747	\$ 297,762
2021	1,711,935	4.8	82,173	212,790	6.6	112,988	286,624	6.8	116,412	301,841
2022	1,767,573	4.8	84,844	215,473	6.6	116,660	290,238	6.8	120,195	305,647
2023	1,825,019	4.8	87,601	217,936	6.6	120,451	293,556	6.8	124,101	309,141
2024	1,884,332	4.8	90,448	220,150	6.6	124,366	296,539	6.8	128,135	312,282
2025	1,945,573	4.8	93,388	222,083	6.6	128,408	299,143	6.8	132,299	315,025
2026	2,008,804	4.8	96,423	223,701	6.6	132,581	301,322	6.8	136,599	317,320
2027	2,074,090	4.8	99,556	224,965	6.6	136,890	303,025	6.8	141,038	319,113
2028	2,141,498	4.8	102,792	225,835	6.6	141,339	304,197	6.8	145,622	320,347
2029	2,211,097	4.8	106,133	226,266	6.6	145,932	304,778	6.8	150,355	320,959

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
2020	\$ 1,658,048	8.1%	\$134,302	\$ 348,606	8.5%	\$140,934	\$ 354,093	9.5%	\$157,515	\$ 397,962
2021	1,711,935	8.1	138,667	353,382	8.5	145,514	358,944	9.5	162,634	403,414
2022	1,767,573	8.1	143,173	357,838	8.5	150,244	363,470	9.5	167,919	408,501
2023	1,825,019	8.1	147,827	361,929	8.5	155,127	367,626	9.5	173,377	413,171
2024	1,884,332	8.1	152,631	365,607	8.5	160,168	371,361	9.5	179,012	417,369
2025	1,945,573	8.1	157,591	368,818	8.5	165,374	374,622	9.5	184,829	421,034
2026	2,008,804	8.1	162,713	371,505	8.5	170,748	377,351	9.5	190,836	424,101
2027	2,074,090	8.1	168,001	373,605	8.5	176,298	379,484	9.5	197,039	426,498
2028	2,141,498	8.1	173,461	375,050	8.5	182,027	380,951	9.5	203,442	428,147
2029	2,211,097	8.1	179,099	375,766	8.5	187,943	381,678	9.5	210,054	428,965

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
2020	\$ 1,658,048	10.4%	\$172,437	\$ 424,307	10.9%	\$180,727	\$ 446,267	12.4%	\$205,598	\$ 494,219
2021	1,711,935	10.4	178,041	430,120	10.9	186,601	452,381	12.4	212,280	500,990
2022	1,767,573	10.4	183,828	435,544	10.9	192,665	458,085	12.4	219,179	507,307
2023	1,825,019	10.4	189,802	440,524	10.9	198,927	463,322	12.4	226,302	513,107
2024	1,884,332	10.4	195,971	445,000	10.9	205,392	468,030	12.4	233,657	518,321
2025	1,945,573	10.4	202,340	448,908	10.9	212,067	472,140	12.4	241,251	522,873
2026	2,008,804	10.4	208,916	452,178	10.9	218,960	475,579	12.4	249,092	526,682
2027	2,074,090	10.4	215,705	454,734	10.9	226,076	478,267	12.4	257,187	529,659
2028	2,141,498	10.4	222,716	456,492	10.9	233,423	480,116	12.4	265,546	531,707
2029	2,211,097	10.4	229,954	457,364	10.9	241,010	481,033	12.4	274,176	532,722

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - Police

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS)

(0% 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	
2020	\$ 1,658,048	8.3%	\$137,618	\$ 261,797	10.1%	\$167,463	\$ 327,173	10.3%	\$170,779	\$ 346,285
2021	1,711,935	8.3	142,091	265,384	10.1	172,905	331,655	10.3	176,329	351,029
2022	1,767,573	8.3	146,709	268,730	10.1	178,525	335,837	10.3	182,060	355,455
2023	1,825,019	8.3	151,477	271,802	10.1	184,327	339,677	10.3	187,977	359,519
2024	1,884,332	8.3	156,400	274,564	10.1	190,318	343,128	10.3	194,086	363,172
2025	1,945,573	8.3	161,483	276,975	10.1	196,503	346,141	10.3	200,394	366,362
2026	2,008,804	8.3	166,731	278,993	10.1	202,889	348,662	10.3	206,907	369,031
2027	2,074,090	8.3	172,149	280,570	10.1	209,483	350,633	10.3	213,631	371,117
2028	2,141,498	8.3	177,744	281,655	10.1	216,291	351,989	10.3	220,574	372,552
2029	2,211,097	8.3	183,521	282,193	10.1	223,321	352,661	10.3	227,743	373,263

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	
2020	\$ 1,658,048	11.6%	\$192,334	\$ 390,517	12.0%	\$198,966	\$ 389,265	13.0%	\$215,546	\$ 434,874
2021	1,711,935	11.6	198,584	395,867	12.0	205,432	394,598	13.0	222,552	440,832
2022	1,767,573	11.6	205,038	400,859	12.0	212,109	399,574	13.0	229,784	446,391
2023	1,825,019	11.6	211,702	405,442	12.0	219,002	404,142	13.0	237,252	451,495
2024	1,884,332	11.6	218,583	409,562	12.0	226,120	408,248	13.0	244,963	456,083
2025	1,945,573	11.6	225,686	413,159	12.0	233,469	411,833	13.0	252,924	460,088
2026	2,008,804	11.6	233,021	416,169	12.0	241,056	414,833	13.0	261,145	463,439
2027	2,074,090	11.6	240,594	418,521	12.0	248,891	417,178	13.0	269,632	466,058
2028	2,141,498	11.6	248,414	420,139	12.0	256,980	418,791	13.0	278,395	467,860
2029	2,211,097	11.6	256,487	420,941	12.0	265,332	419,591	13.0	287,443	468,753

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	
2020	\$ 1,658,048	13.9%	\$230,469	\$ 458,133	14.3%	\$237,101	\$ 479,251	15.7%	\$260,314	\$ 523,497
2021	1,711,935	13.9	237,959	464,409	14.3	244,807	485,817	15.7	268,774	530,669
2022	1,767,573	13.9	245,693	470,265	14.3	252,763	491,943	15.7	277,509	537,360
2023	1,825,019	13.9	253,678	475,642	14.3	260,978	497,567	15.7	286,528	543,504
2024	1,884,332	13.9	261,922	480,475	14.3	269,459	502,623	15.7	295,840	549,026
2025	1,945,573	13.9	270,435	484,695	14.3	278,217	507,037	15.7	305,455	553,848
2026	2,008,804	13.9	279,224	488,226	14.3	287,259	510,730	15.7	315,382	557,882
2027	2,074,090	13.9	288,299	490,985	14.3	296,595	513,616	15.7	325,632	561,035
2028	2,141,498	13.9	297,668	492,884	14.3	306,234	515,602	15.7	336,215	563,205
2029	2,211,097	13.9	307,342	493,825	14.3	316,187	516,587	15.7	347,142	564,280

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.

City of Bridgeton - Police

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS)

(0% 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	
2020	\$ 1,658,048	8.6%	\$142,592	\$ 270,973	10.5%	\$174,095	\$ 338,656	10.6%	\$175,753	\$ 358,515
2021	1,711,935	8.6	147,226	274,685	10.5	179,753	343,296	10.6	181,465	363,427
2022	1,767,573	8.6	152,011	278,149	10.5	185,595	347,625	10.6	187,363	368,010
2023	1,825,019	8.6	156,952	281,329	10.5	191,627	351,599	10.6	193,452	372,217
2024	1,884,332	8.6	162,053	284,188	10.5	197,855	355,172	10.6	199,739	375,999
2025	1,945,573	8.6	167,319	286,684	10.5	204,285	358,291	10.6	206,231	379,301
2026	2,008,804	8.6	172,757	288,772	10.5	210,924	360,901	10.6	212,933	382,064
2027	2,074,090	8.6	178,372	290,404	10.5	217,779	362,941	10.6	219,854	384,223
2028	2,141,498	8.6	184,169	291,527	10.5	224,857	364,345	10.6	226,999	385,709
2029	2,211,097	8.6	190,154	292,084	10.5	232,165	365,041	10.6	234,376	386,446

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	
2020	\$ 1,658,048	12.0%	\$198,966	\$ 404,310	12.4%	\$205,598	\$ 406,391	13.4%	\$222,178	\$ 450,171
2021	1,711,935	12.0	205,432	409,849	12.4	212,280	411,958	13.4	229,399	456,338
2022	1,767,573	12.0	212,109	415,017	12.4	219,179	417,153	13.4	236,855	462,092
2023	1,825,019	12.0	219,002	419,762	12.4	226,302	421,922	13.4	244,553	467,375
2024	1,884,332	12.0	226,120	424,027	12.4	233,657	426,209	13.4	252,500	472,124
2025	1,945,573	12.0	233,469	427,751	12.4	241,251	429,952	13.4	260,707	476,270
2026	2,008,804	12.0	241,056	430,867	12.4	249,092	433,084	13.4	269,180	479,739
2027	2,074,090	12.0	248,891	433,302	12.4	257,187	435,532	13.4	277,928	482,450
2028	2,141,498	12.0	256,980	434,978	12.4	265,546	437,216	13.4	286,961	484,316
2029	2,211,097	12.0	265,332	435,809	12.4	274,176	438,051	13.4	296,287	485,241

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	
2020	\$ 1,658,048	14.3%	\$237,101	\$ 474,156	14.8%	\$245,391	\$ 496,020	16.3%	\$270,262	\$ 541,835
2021	1,711,935	14.3	244,807	480,652	14.8	253,366	502,815	16.3	279,045	549,258
2022	1,767,573	14.3	252,763	486,713	14.8	261,601	509,155	16.3	288,114	556,184
2023	1,825,019	14.3	260,978	492,278	14.8	270,103	514,976	16.3	297,478	562,543
2024	1,884,332	14.3	269,459	497,280	14.8	278,881	520,209	16.3	307,146	568,259
2025	1,945,573	14.3	278,217	501,647	14.8	287,945	524,778	16.3	317,128	573,250
2026	2,008,804	14.3	287,259	505,301	14.8	297,303	528,601	16.3	327,435	577,426
2027	2,074,090	14.3	296,595	508,157	14.8	306,965	531,588	16.3	338,077	580,689
2028	2,141,498	14.3	306,234	510,122	14.8	316,942	533,644	16.3	349,064	582,935
2029	2,211,097	14.3	316,187	511,096	14.8	327,242	534,663	16.3	360,409	584,048

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 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 3.25%.
- 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.