

05-0406

**MINNEAPOLIS FIREFIGHTERS'
RELIEF ASSOCIATION**

SPECIAL FUND

*December 31, 2004
Actuarial Valuation*

June, 2005

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION

December 31, 2004 Actuarial Valuation of the Special Fund

Table of Contents

	<u>Page</u>
<u>Introduction</u>	
Introduction and actuarial certification.....	1
Summary of results.....	3
<u>Valuation data - plan assets and members</u>	
Actuarial value of assets.....	4
Summary of member data.....	5
Summary of changes in membership.....	6
<u>Valuation results - actuarial values</u>	
Actuarial values used to determine contribution.....	7
Amortization schedule for the required contribution.....	8
Changes in the unfunded actuarial accrued liability.....	9
<u>Accounting basis results - GASB disclosure information</u>	
Statement of plan net assets as of December 31, 2004.....	10
Statement of changes in plan net assets.....	11
Schedule of funding progress.....	12
Schedule of employer contributions.....	13
<u>Historical tables</u>	
Historical funding ratio schedule.....	14
History of employer contributions.....	15
Comparative schedule of active members.....	16
Comparative schedule of inactive members.....	17
<u>Supplementary information</u>	
Actuarial assumptions and methods.....	18
Summary of plan provisions.....	20

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION
December 31, 2004 Actuarial Valuation of the Special Fund

Introduction

Purpose

This report presents the results of the December 31, 2004 valuation for the Minneapolis Firefighters' Relief Association. Its primary purposes are:

- to determine the funded status as of December 31, 2004,
- to determine the normal cost for 2004, and
- to present information required to be disclosed under Governmental Accounting Standards Board Statement No. 25 (GASB 25) as of December 31, 2004.

Sources of Data

The Relief Association supplied December 31, 2004 data for all active and inactive members, and asset information, including the market and book value of investments as of December 31, 2004, and the amount of receivables and payables at year end. The Relief Association also provided historical salary increase rate and investment return values used in determining the actuarial value of assets. We have relied on this data in preparing this report.

Changes from the Previous Valuation

The prior actuarial valuation of the plan was prepared as of December 31, 2003. The actuarial assumptions and methods used to prepare this report are the same as those used in the 2003 report (see page 17). A unit value of 78.9683, effective as of December 31, 2003 was used for the 2003 valuation. With the resolution of at least part of the current contract, we have recognized unit values of 77.4283 as of October 15, 2004 and 78.8275 effective July 1, 2005. All future unit values are projected at 4%. Any additional changes under the new contract will be reflected in future reports.

Summary of Valuation Results

As of December 31, 2004, the funded status of the plan (actuarial accrued liabilities divided by the actuarial value of assets) is 90.2%, up from 80.6% on December 31, 2003. The same ratio computed on the basis of *market* value increased from 85.2% to 92.6%.

Because the five-year average rate of return on investments did not exceed the five-year average salary increase rate, no post-retirement benefit will be payable for 2004.

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION
December 31, 2004 Actuarial Valuation of the Special Fund

Introduction (continued)

Impact of Unfunded Actuarial Accrued Liability

Minnesota Statutes §423C.15(3) provides for a 15-year amortization of new unfunded liabilities each year, replacing the old provision which would have required amortization in 5 years as of this report. Beginning last year, a new amortization base is established each year based on the year's actuarial gains or losses. The payments for each year are then added to generate a total amortization payment. The bases and payments are shown on page 8.

Actuarial Gains and Losses

There was an actuarial gain on investments of about \$18.2 million. There was an additional gain on liabilities of about \$15.5 million largely due to lower than projected unit values which offset a small actuarial loss.

Actuarial Certification

We certify that the actuarial valuation has been prepared in accordance with Minnesota Statutes §§356.20-.23 and §69.77 as they relate to fire department relief associations in cities of the first class in general and the Minneapolis Firefighters' Relief Association in particular.

Respectfully submitted,



Mark D. Meyer, FSA, MAAA
Consulting Actuary



Paul D. Krueger, JD, EA
Consulting Actuary

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION

3

December 31, 2004 Actuarial Valuation of the Special Fund

Summary of Results

<u>A. Plan participant data</u>	<u>December 31, 2003</u>	<u>December 31, 2004</u>
1. Number of participants		
a. Active employees	58	42
b. Terminated vested employees	2	0
c. Retirees	439	438
d. Disability	8	6
e. Surviving spouses	181	176
f. Surviving children	2	1
g. Total	690	663
<u>B. Normal costs</u>	<u>2003 Plan Year</u>	<u>2004 Plan Year</u>
1. Total normal cost		
a. Amount	\$906,523	\$636,326
b. Percentage of active payroll	21.44%	21.07%
2. Employer normal cost		
a. Amount	568,295	394,666
b. Percentage of active payroll	13.44%	13.07%
<u>C. Amortization payments</u>		
1. Unfunded actuarial accrued liability	\$56,964,446	\$26,967,400
2. Amortization payment	5,533,223	2,256,188
<u>D. Value of plan assets</u>	<u>December 31, 2003</u>	<u>December 31, 2004</u>
1. Market value	250,352,620	255,076,595
2. Actuarial value (for calculating contributions)	236,990,860	248,545,796
<u>E. Benefit liabilities</u>		
1. Present value of future benefits	297,712,132	277,890,445
2. Actuarial accrued liability	293,955,306	275,513,196
<u>F. Funded status</u>		
1. Actuarial value of assets as a % of liabilities	80.6%	90.2%
2. Market value of assets as a % of liabilities	85.2%	92.6%

*Minn. Stat. §423C.06(6) provides that the City is not required to fund a deficit until the funded ratio has been under 100% for two successive years.

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION

December 31, 2004 Actuarial Valuation of the Special Fund

Funding Basis

Actuarial Value of Assets

A. Average unrealized gain

<u>Year Ending December 31:</u>	<u>Market Value</u>	<u>Book Value</u>	<u>Unrealized Gain (Market - Book)</u>
2002	\$226,580,976	\$206,823,963	\$19,757,013
2003	250,352,620	197,430,082	52,922,538
2004	255,076,595	208,940,621	46,135,974
		Average:	39,605,175

B. Book value of assets December 31, 2004

208,940,621

C. Excess investment income

1. Salary increases and time-weighted rate of return on assets

<u>Fiscal Year</u>	<u>Salary Increase</u>	<u>Asset Return</u>
2000	3.037%	-2.698%
2001	3.335%	-3.302%
2002	0.838%	-9.650%
2003	1.460%	20.000%
2004	3.440%	10.047%
Arithmetic average:	2.422%	2.879%

2. Determination of excess investment income

a. Excess of asset return over salary increase	0.46%
b. Excess minus 2%	0.00%
c. Lesser of 0.5% or 2.b. times market value of assets	0

D. Actuarial value of assets as of December 31, 2004

\$248,545,796

(A. + B. - C.2.c.)

December 31, 2004 Actuarial Valuation of the Special Fund

Summary of Member Data

	<u>December 31, 2003</u>	<u>December 31, 2004</u>
<u>A. Active members</u>		
1. Number		
a. Fully vested	58	42
b. Nonvested	0	0
c. Total	58	42
2. Average age	53.1	53.7
3. Average years of service	27.3	28.1
4. Total annual payroll for the year ending on valuation date	\$4,396,958	\$3,141,585
5. Average annual salary	\$75,810	\$74,800
<u>B. Vested terminated members</u>		
1. Number	2	0
2. Total annual deferred benefits	\$61,204	\$0
3. Average annual benefit	\$30,602	\$0
4. Average age	49.0	0.0
<u>C. Retirees</u>		
1. Number	439	438
2. Total annual benefits	\$17,051,571	\$16,676,343
3. Average annual benefit	\$38,842	\$38,074
4. Average age	68.8	68.7
<u>D. Disabilitants</u>		
1. Number	8	6
2. Total annual benefits	\$310,819	\$228,180
3. Average annual benefit	\$38,852	\$38,030
4. Average age	53.0	51.0
<u>D. Surviving spouses</u>		
1. Number	181	176
2. Total annual benefits	\$3,871,123	\$3,685,672
3. Average annual benefit	\$21,387	\$20,941
4. Average age	77.9	78.4
<u>E. Dependent children</u>		
1. Number	2	1
2. Total annual benefits	\$15,162	\$7,884
3. Average annual benefit	\$7,581	\$7,884
4. Average age	20.6	20.8
<u>F. Total number of members</u>		
	690	663

*December 31, 2004 Actuarial Valuation of the Special Fund***Summary of Changes in Membership**

	<u>Actives</u>	<u>Vested Terminees</u>	<u>Retirees</u>	<u>Disabled</u>	<u>Spouses</u>	<u>Children</u>	<u>Total</u>
<u>A. Number of members on December 31, 2003</u>	58	2	439	8	181	2	690
<u>B. Changes in membership</u>							
1. Retirements	(13)	(2)	20	(5)			0
2. Vested terminations							0
3. Member deaths			(21)		9		(12)
4. Beneficiary deaths					(14)		(14)
5. Expiration of surviving child benefits						(1)	(1)
6. Separations due to disability	(3)			3			0
7. Corrections							0
8. Total changes	(16)	(2)	(1)	(2)	(5)	(1)	(27)
<u>C. Number of members on December 31, 2004</u>	42	0	438	6	176	1	663

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION

December 31, 2004 Actuarial Valuation of the Special Fund

Funding Basis

Actuarial Values Used to Determine Contribution

December 31, 2003 December 31, 2004

A. Actuarial present value of projected benefits (the value of all future benefits to be paid to the current group of members)

1. Active members	\$38,646,348	\$27,658,662
2. Vested terminated members	1,330,519	0
3. Retired members	218,867,288	214,623,034
4. Spouses and children receiving benefits	33,297,998	31,381,661
5. Disabled members receiving benefits	<u>5,569,979</u>	<u>4,227,088</u>
6. Total present value of projected benefits	297,712,132	277,890,445

B. Actuarial accrued liability (the cost allocated to all prior years)

1. Active members	\$34,889,522	\$25,281,413
2. Vested terminated members	1,330,519	0
3. Retired members	218,867,288	214,623,034
4. Spouses and children receiving benefits	33,297,998	31,381,661
5. Disabled members receiving benefits	<u>5,569,979</u>	<u>4,227,088</u>
6. Total actuarial accrued liability	293,955,306	275,513,196

C. Amortization of unfunded actuarial accrued liability

1. Total actuarial accrued liability (A.7.)	\$293,955,306	\$275,513,196
2. Actuarial value of assets	236,990,860	248,545,796
3. Unfunded actuarial accrued liability (1. - 2.)	56,964,446	26,967,400
4. Funded status (2. / 3.)	80.6%	90.2%
5. Years left in amortization period	15	see page 8
6. Amortization payment	5,533,223	2,256,188

D. Normal cost (the cost allocated to the current year)

December 31, 2003 December 31, 2004

1. Present value of future normal costs	\$3,756,827	\$2,377,248
2. Normal cost as a dollar amount		
a. Total normal cost	906,523	636,326
b. Statutory adjustment for member contributions	338,228	241,660
c. Employer normal cost (a. - b.)	568,295	394,666
3. Payroll for year ending on valuation date	4,227,844	3,020,755
4. Normal cost as a percent of active payroll		
a. Total normal cost	21.44%	21.07%
b. Statutory adjustment for member contributions	8.00%	8.00%
c. Employer normal cost (a. - b.)	13.44%	13.07%

*Minn. Stat. §423C.06(6) provides that the City is not required to fund a deficit until the funded ratio has been under 100% for two successive years.

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION
December 31, 2004 Actuarial Valuation of the Retirement Plan

8

Amortization Schedule for the Required Contribution

<u>Source</u>	<u>Date Established</u>	<u>Initial Balance</u>	<u>Outstanding Balance on 12/31/2004</u>	<u>Remaining Years to Amortize</u>	<u>Amortization Payment</u>
Actuarial loss	12/31/2003	\$56,964,446	\$54,517,096	14	\$5,533,223
Actuarial gain	12/31/2004	(33,737,023)	(33,737,023)	15	(3,277,035)
Net payment					2,256,188

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION

9

December 31, 2004 Actuarial Valuation of the Special Fund

Funding Basis

Changes in the Unfunded Actuarial Accrued Liability

A. Liability gain or loss for the year ending on December 31, 2004

1. Expected actuarial accrued liability (AAL)	
a. AAL as of December 31, 2003	\$293,955,306
b. Normal cost as of December 31, 2003 (excluding expenses)	906,523
c. Interest to December 31, 2004 on the AAL and normal cost	17,693,885
d. Expected benefit payments for the year (excluding post-retirement benefits)	(20,875,570)
e. Interest on benefit payments (1/2 year)	(626,267)
f. Expected AAL on December 31, 2004 (sum of a. through e.)	291,053,876
2. Actual AAL on December 31, 2004	
a. Before any assumption or plan changes	275,513,196
b. After assumption changes, but before any plan changes	275,513,196
3. Liability (gain) or loss	
a. Due to plan experience different from that expected (2a. - 1f.)	(15,540,680)
b. Due to changes in actuarial assumptions (2b. - 2a.)	0
c. Total (a. + b.)	(15,540,680)

B. Asset gain or loss for the year ending on December 31, 2004

1. Expected actuarial value of assets	
a. Actuarial value of assets on December 31, 2003	236,990,860
b. Actual benefit payments and expenses for the year (including post-ret benefits)	(22,273,471)
c. Contributions for the year	2,020,210
d. Expected return on assets	13,611,854
e. Expected actuarial value of assets on December 31, 2004 (sum of a. through d.)	230,349,453
2. Actual actuarial value of assets on December 31, 2004	248,545,796
3. Asset (gain) or loss (1e. - 2.)	(18,196,343)

C. Changes in the unfunded AAL

1. Expected unfunded AAL on December 31, 2004	60,704,423
2. Changes	
a. Actuarial (gain) or loss other than change in unit value	(16,604,704)
b. Change in unit value different from expected	(17,132,319)
c. Changes in actuarial methods and assumptions	0
d. Total change	(33,737,023)
3. Unfunded AAL on December 31, 2004	26,967,400

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION

10

December 31, 2004 Actuarial Valuation of the Special Fund

Accounting Basis

Statement of Plan Net Assets as of December 31, 2004

	<u>Market Value</u>	<u>Book Value</u>
<u>A. Investment assets</u>		
1. Short term investments	9,149,066	9,149,066
2. U.S. government obligations	13,348,890	13,161,533
3. GNMA and mortgage-backed securities	9,883,882	9,494,274
4. Municipal obligations	64,768	65,021
5. Corporate bonds	13,804,133	13,568,735
6. Corporate bond funds	24,806,662	16,906,233
7. Foreign bonds, notes, debentures	320,647	317,213
8. U.S. corporate stock	136,666,390	103,369,503
9. Equity mutual funds	37,095,385	34,323,904
10. Foreign stock	9,453,802	8,075,191
11. Limited partnerships	1,520	28,497
12. Total	254,595,145	208,459,171
<u>B. Checking account</u>	45,868	45,868
<u>C. Accrued/payable</u>		
1. Accrued contributions	0	0
2. Accounts receivable	0	0
3. Accrued income	435,582	435,582
4. Accounts payable	0	0
5. Total	435,582	435,582
<u>D. Net assets held in trust for pension benefits</u>	255,076,595	208,940,621

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION

11

*December 31, 2004 Actuarial Valuation of the Special Fund**Accounting Basis***Statement of Changes in Plan Net Assets**

	<u>December 31, 2003</u>	<u>December 31, 2004</u>
<u>A. Additions</u>		
1. Contributions		
a. Employer	1,333,170	1,950,098
b. Plan members	136,209	39,852
c. Total	1,469,379	1,989,950
2. Investment income	42,905,241	24,977,236
3. Other	48,750	30,260
3. Total additions	44,423,370	26,997,446
<u>B. Deductions</u>		
1. Benefits paid	19,949,411	20,627,103
2. Refund of contributions	0	0
3. Expenses	702,315	1,646,368
4. Total deductions	20,651,726	22,273,471
<u>C. Net increase</u>	23,771,644	4,723,975
<u>D. Net assets held in trust for pension benefits</u>		
1. Beginning of year	\$226,580,976	250,352,620
2. End of year	250,352,620	255,076,595

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION
December 31, 2004 Actuarial Valuation of the Special Fund

Accounting Basis

Schedule of Funding Progress
(Dollar amounts in thousands)

<u>As of December 31:</u>	<u>Actuarial Value of Assets</u>	<u>Actuarial Accrued Liability (AAL)</u>	<u>Unfunded AAL (UAAL)</u>	<u>Funded Ratio</u>	<u>Covered Payroll</u>	<u>UAAL as a % of Covered Payroll*</u>
1993	\$177,529	\$223,357	\$45,828	79.5%	\$13,395	342.1%
1994	178,003	228,567	50,564	77.9%	13,073	386.8%
1995	194,611	234,386	39,775	83.0%	11,839	336.0%
1996	208,969	252,540	43,571	82.7%	12,298	354.3%
1997	245,306	274,030	28,724	89.5%	12,079	237.8%
1998	300,150	284,874	(15,276)	105.4%	11,357	-134.5%
1999	318,043	291,168	(26,875)	109.2%	10,039	-267.7%
2000	315,900	293,802	(22,098)	107.5%	7,054	-313.3%
2001	304,887	293,396	(11,491)	103.9%	5,888	-195.2%
2002	255,194	292,678	37,484	87.2%	5,540	676.6%
2003	236,991	293,955	56,964	80.6%	4,397	1295.5%
2004	248,546	275,513	26,967	90.2%	3,142	858.3%

* This measure of funded status is meaningless for a closed group but is presented in order to meet the requirement of GASB No. 25.

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION
December 31, 2004 Actuarial Valuation of the Special Fund

Accounting Basis

Schedule of Employer Contributions

<u>Year Ended</u> <u>December 31:</u>	<u>Employer</u> <u>Contributions</u>
1993	\$6,871,984
1994	6,878,398
1995	7,405,980
1996	6,328,580
1997	4,844,823
1998	3,541,518
1999	1,177,332
2000	1,938,365
2001	1,232,252
2002	1,030,019
2003	1,333,170
2004	1,950,098

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION
December 31, 2004 Actuarial Valuation of the Special Fund

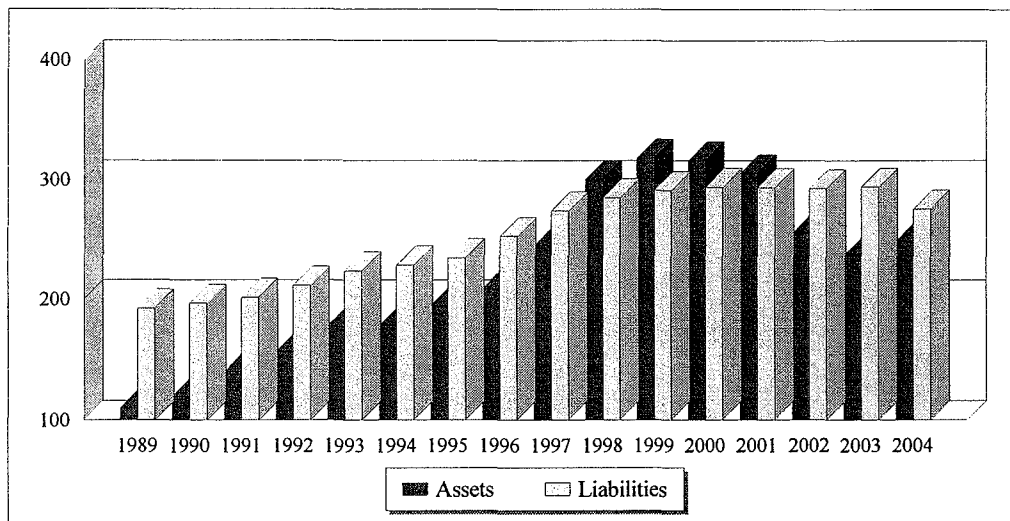
Historical Tables

Historical Funding Ratio Schedule
(Dollar amounts in thousands)

<u>As of December 31:</u>	<u>Actuarial Accrued Liability</u>	<u>Actuarial Value of Assets</u>	<u>Percent Funded</u>
1988*#	\$188,014	\$93,601	49.8%
1989	192,264	110,092	57.3%
1990#	196,491	119,652	60.9%
1991	201,461	139,891	69.4%
1992#	211,558	156,279	73.9%
1993#	223,357	177,529	79.5%
1994	228,567	178,003	77.9%
1995	234,386	194,611	83.0%
1996	252,540	208,969	82.7%
1997	274,030	245,306	89.5%
1998	284,874	300,150	105.4%
1999	291,168	318,043	109.2%
2000	293,802	315,900	107.5%
2001	293,396	304,887	103.9%
2002	292,678	255,194	87.2%
2003	293,955	236,991	80.6%
2004	275,513	248,546	90.2%

#After change in actuarial assumptions

*After change in benefit provisions



MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION
December 31, 2004 Actuarial Valuation of the Special Fund

Historical Tables

History of Employer Contributions

<u>Valuation</u> <u>December 31:</u>	<u>Normal Cost</u> <u>as a Percent</u> <u>of Payroll</u>	<u>Amortization</u> <u>of Unfunded</u> <u>Actuarial</u> <u>Liability</u>
1989	23.33%	\$6,957,374
1990	23.95%	6,687,685
1991	23.85%	5,538,556
1992	23.90%	5,123,898
1993	23.98%	4,403,949
1994	23.99%	5,056,000
1995	23.94%	4,155,683
1996	23.91%	4,779,811
1997	23.88%	3,327,287
1998	23.66%	0
1999	24.07%	0
2000	22.71%	0
2001	22.11%	0
2002	21.74%	0*
2003	21.44%	5,533,223
2004	21.07%	2,256,188

*Minn. Stat. §423C.06(6) provides that the City is not required to fund a deficit until the funded ratio has been under 100% for two successive years.

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION
December 31, 2004 Actuarial Valuation of the Special Fund

Historical Tables

Comparative Schedule of Active Members

<u>Valuation</u> <u>December 31:</u>	<u>Number of</u> <u>Active</u> <u>Members</u>	<u>Projected</u> <u>Payroll</u>	<u>Age</u>	<u>Averages</u> <u>Service</u>	<u>Pay</u>
1989	351	\$14,067,027	47.4	20.0	\$40,077
1990	337	13,854,744	48.0	20.8	41,112
1991	321	13,664,649	48.6	21.5	42,569
1992	309	13,614,231	49.2	22.2	44,059
1993	285	13,395,285	49.5	22.6	47,001
1994	267	13,073,121	50.2	23.2	48,963
1995	236	11,838,704	50.3	23.5	50,164*
1996	220	12,297,560	50.8	24.1	55,898
1997	198	12,078,990	51.4	24.7	61,005
1998	179	11,356,611	51.2	24.5	63,445
1999**	153	10,039,101	51.5	25.2	65,615
2000	104	6,782,803	52.0	25.8	67,828
2001	84	5,661,137	52.3	26.3	70,090
2002	76	5,326,859	53.2	27.1	72,894
2003	58	4,227,844	53.1	27.3	75,810
2004	42	3,020,755	53.7	28.1	74,800

* Labor agreement settled in late 1996 with the 1996 single salary of \$53,175

**Payroll used to calculate normal cost for calendar year 1999 is \$9,652,982.

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION
December 31, 2004 Actuarial Valuation of the Special Fund

Historical Tables

Comparative Schedule of Inactive Members

As of December 31:	Number of Retirees and Beneficiaries			Annual Benefits	Present Value of Benefits
	Added to Rolls	Removed from Rolls	On Valuation Date		
1988	32	25	562	\$8,894,721	\$111,904,800
1989	18	25	555	9,118,089	113,227,692
1990	24	22	557	9,364,461	115,174,188
1991	19	22	554	9,717,991	117,998,856
1992	34	24	564	10,418,854	125,708,460
1993	32	22	574	11,350,689	135,712,458
1994	32	31	575	12,845,678	143,862,253
1995	39	18	596	13,417,874	153,032,140
1996	27	27	596	14,091,016	166,750,488
1997	41	34	603	15,441,956	184,855,572
1998	20	12	611	16,759,837	200,745,351
1999	38	27	622	18,001,012	212,743,795
2000	62	34	653	19,610,997	240,364,062
2001	38	46	645	19,919,708	247,423,056
2002	16	27	634	20,451,109	248,173,771
2003	25	29	630	21,248,675	257,735,265
2004	25	29	621	20,598,079	250,231,783

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION
December 31, 2004 Actuarial Valuation of the Special Fund

Actuarial Methods and Assumptions (continued)

8. Contract salary scale - resulting unit values

<u>Effective Date</u>	<u>Units</u>	<u>Annualized Units</u>	<u>Corresponding Pay*</u>	<u>Increase Rate**</u>
12/31/2004	77.4283	77.9163	\$74,799.65	
07/01/2005	78.8275			
12/31/2005	80.3886	80.3886	77,173.06	3.17%
12/31/2006	83.6041	83.6041	80,259.94	4.00%

* *pay is units times 80 times 12.*

** *the salary scale used in the valuation is the statutory rate of 4% after the terms of the current collective bargaining agreement expire in 2002.*

MINNEAPOLIS FIREFIGHTERS' RELIEF ASSOCIATION
December 31, 2004 Actuarial Valuation of the Special Fund

Summary of Plan Provisions

1. Normal Retirement Benefit
Annual benefit of 1.6/80 of base pay for each year of service up to 25 years. An additional 2 units are awarded for the 20th year of service, for a maximum of 42 units. Members may choose among alternative survivor payment forms (see 4. below) which modify the number of units payable to the member and their spouse. A member who is single at the time of retirement and who has at least 25 years of service may choose to receive 42.3 units on the condition of a reduced survivor payment to any future spouse. "Base pay" for this purpose means the maximum monthly salary of a first grade firefighter. Members must be at least age 50 with 5 years of service to receive this benefit.
2. Deferred Vested Benefit
Annual benefit equal to the accrued normal retirement benefit, deferred to age 50 for members with at least 5 years of service.
3. Disability Benefit
Annual benefit of 41/80 of base pay for members no longer able to perform the duties of a firefighter due to disability.
4. Surviving Spouse's Benefit
Annual benefit of 22/80 of base pay for the surviving spouse of an active or retired member. Upon retirement, members may choose an alternate form of payment that provides 50%, 75% or 100% of their benefit to their spouse after their death. The 22 units are adjusted if one of these alternate forms is selected. Retiring members who are unmarried may elect an actuarial increase.
5. Surviving Children's Benefit
Annual benefit of 8/80 of base pay for each surviving child of an active or retired member. Benefits continue to age 18 or if the child is a full-time student, to age 22. The total benefit for surviving children and spouse combined is limited to 42/80 of base pay.
6. Member Contributions
Members are required to contribute 8% of base pay. After 25 years of service, member contributions are paid to a separate health insurance account.