GRS Gabriel Roeder Smith & Company
Consultants & Actuaries

ACTUARIAL VALUATION REPORT AS OF OCTOBER 1, 2010

City of Wilton Manors Volunteer Firefighters' Retirement System

GRS

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June 16, 2011

Pension Board
City of Wilton Manors
Volunteer Firefighters Retirement System
524 NE 21st Court
Wilton Manors, FL 33305

Dear Board Members:

We are pleased to present herein our October 1, 2010 Actuarial Valuation Report for the City of Wilton Manors Volunteer Firefighters Retirement System. The contribution results shown in the Report apply to the fiscal year ending September 30, 2011.

This valuation was prepared on the basis of employee, retiree, and financial information supplied by the City and the Plan Administrator, which information is summarized in this Report. Although we did not audit this information, we did review it for reasonableness and comparability to prior years. The benefits valued are those which were in effect on the valuation date.

This actuarial valuation was prepared and completed by me or under my direct supervision, and I acknowledge responsibility for the results. To the best of my knowledge, the results are complete and accurate, and in my opinion, the techniques and assumptions used are reasonable and meet the requirements and intent of Part VII, Chapter 112, Florida Statutes. There is no benefit or expense to be provided by the plan and/or paid from the plan's assets for which liabilities or current costs have not been established or otherwise taken into account in the valuation. All known events or trends which may require a material increase in plan costs or required contribution rates have been taken into account in the valuation.

As indicated below, the undersigned are Members of the American Academy of Actuaries (MAAA) and meet the Qualification Standards of the Academy of Actuaries to render the actuarial opinion herein. Gabriel, Roeder, Smith & Company will be pleased to answer any questions pertaining to the valuation.

Respectfully submitted,

GABRIEL, ROEDER, SMITH & COMPANY

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SECTION I

INTRODUCTION

DISCUSSION

TOTAL REQUIRED CONTRIBUTION

The required City contribution for the plan year ending September 30, 2011, is $0, as shown below.

	Required City Contribution
Total Required Employer Contribution	$ 77,607
Expected State Premium Tax Refund	85,547
Remaining City Contribution	0

The actual amount received from the State for the fiscal year ended September 30, 2010 was $111,648. Any amount received from the state up to $85,847 (the previously established base amount) can be used toward the existing plan benefits. If the actual State contribution for the fiscal year ending September 30, 2011 is less than $77,607, the City will need to make a contribution.

EXPERIENCE

Even though the investment return was 9.1% on a market value basis, valuation assets continue to smooth in the market losses from 2008 which resulted in a valuation asset return of 2.6% and an investment loss. However, since the total required employer contribution is less than the useable amount expected from the State, the remaining City contribution is expected to be zero.

CHANGES IN BENEFITS

There were no changes in benefits in connection with this valuation.

CHANGES IN ACTUARIAL METHODS AND ASSUMPTIONS

There were no changes in methods or assumptions in connection with this valuation.

VARIABILITY OF FUTURE CONTRIBUTION RATES

The Actuarial Cost Method used to determine the contribution rate is intended to produce contribution rates which are generally level as a percent of payroll. Even so, when experience differs from the assumptions, as it often does, the employer's contribution rate can vary significantly from year-to-year.

Over time, if the year-to-year gains and losses offset each other, the contribution rate would be expected to return to the current level, but this does not always happen.

The Actuarial Value of Assets exceeds the Market Value of Assets by $81,631 as of the valuation date. This difference will be gradually recognized in the absence of offsetting gains. In turn, the computed employer contribution rate will increase by approximately $7,000.

RELATIONSHIP TO MARKET VALUE

If Market Value had been the basis for the valuation, the total required contribution would have been approximately $85,000, which nearly exceeds the expected state contribution. Additionally, the funded ratio would have been 54%. In the absence of other gains and losses, the total required contribution should increase to that level over the next few years.

RECOMMENDATIONS

We recommend that steps be taken to improve the funded position of the plan. One way would be to shorten the amortization period for new bases or, better yet, for all existing bases. Another way would be to change the funding method to the Aggregate funding method. Under this method, the unfunded liability is paid off over a period of time which is based on the expected future working lifetime of the active members.

In addition we recommend starting to bring the investment assumption down. The fund is comingled for investment purposes with the fund for the General Employees and Police Officers Retirement Plan, which has been closed to new members. That shifts the maturity of the liability for that plan, and the investment allocation is expected to move to a more conservative position to reflect that situation.

CONCLUSION

The remainder of this Report covers detailed actuarial valuation results, financial information, other information and statistics, a summary of plan provisions, and annual filings required by law.

FINANCIAL SOUNDNESS OF THE PLAN

The purpose of this Section of the Report is to provide certain measures which indicate the financial soundness of the program. These measures relate to short term solvency, long term solvency and level funding.

The various percentages listed in this Section as of a single valuation date are not overly significant standing alone. What is more significant is the trend of the rates over a period of years. It is also important to keep in mind that each time benefits or assumptions are revised, actuarial liabilities are created or diminished. Any newly created liabilities are financed systematically over a period of future years. All actuarially computed values in this analysis are based on the actuarial assumptions utilized in the respective years' actuarial valuations.

SHORT TERM SOLVENCY

The ultimate test of financial soundness is the program's ability to pay all promised benefits when due. The program's progress in accumulating assets to pay all promised benefits can be measured by comparing the market value of assets with:

1. Accumulated contributions of active members of the program,
2. The actuarial present value (APV) of projected benefits payable to those already receiving benefits and to vested terminations, and
3. The employer-financed portion of the actuarial present value of accrued benefits payable to active participants. This amount is based on benefits earned to date without future credited service or salary increases.

The total of the first two items should generally be fully covered by assets. The portion of the third item covered by assets should increase over time. Increases in benefits will, of course, adversely affect the trend in the years when such increases are first reflected in the actuarial values.

Although different actuarial assumptions might be used in the event of a termination of the program, this test shows how much of the benefits accrued to date might be covered by assets in the event of a plan termination using the valuation assumptions.

Valuation Date	Market Value of Assets*	Actuarial Present Value (APV) of Accrued Benefits	% of APV Covered by Assets
10/1/10	$ 788,303	$ 1,078,432	73 %
10/1/09	707,144	1,032,779	68
10/1/08	702,016	987,601	71
10/1/07	688,157	933,882	74
10/1/06	482,457	876,046	55

*Does not reflect offset of Excess State Reserve

LONG TERM SOLVENCY

Over the longer term, the solvency of an ongoing plan can be measured by comparing the actuarial value of assets to an amount known as the Actuarial Accrued Liability (AAL) under the Entry Age Actuarial Cost Method. This item has often been called the "past service liability". Its derivation differs from the short-term solvency value derivation in several ways, but mainly due to the fact that future salary increases are included in the AAL. As in the case of the short-term solvency values, the AAL is affected immediately by any revisions in benefits or assumptions. The accumulation of assets to equal the AAL can be considered a long-range funding goal. Largely because of periodic benefit increases, very few retirement programs have attained this goal.

Valuation Date	Actuarial Value of Assets	Entry Age Actuarial Accrued Liability (AAL)	% of AAL Covered by Assets
10/1/10	$ 679,750	$ 1,108,974	61 %
10/1/09	666,307	1,067,712	62
10/1/08	646,453	1,025,746	63
10/1/07	593,576	974,213	61
10/1/06	482,457	917,677	53

LEVEL CONTRIBUTION RATES

The actuarial assumptions and cost methods have been chosen with the intent of producing required employer contributions which remain fairly level. If this goal is attained, future employer contribution rates will not have to be raised materially in order to make up for the past. For many employers, this measure of the program's soundness is the most important of all.

Since this is not a pay-related benefit, total dollar amounts are shown below:

	Contribution	
Valuation Date	Total	City
10/1/10	$ 77,607	$ 0
10/1/09	68,752	0
10/1/08	76,864	0
10/1/07	84,187	0
10/1/06	84,459	0

A major factor affecting the stability of the amounts just shown is how well the actual plan experience is faring compared to the actuarial assumptions. The value of the difference between what actually occurred and what was assumed to occur is called the actuarial gain or loss. Gains tend to lower the subsequent cost of the program while losses tend to raise the subsequent cost of the program. A summary of the actuarial gains and losses of the Plan is in the next Section.

CONCLUSION

Analysis of all the benchmarks listed above over a period of years will provide an indication of whether the program is becoming financially stronger or weaker.

RECENT HISTORY OF PLAN CHANGES

1. Ordinance 781, passed and effective August 25, 1998, is a revised version of Ordinance 754, which established the Plan. Ordinance 791, passed and effective December 8, 1998, is a revised version of Ordinance 781. Ordinance 754 is superseded by Ordinances 781 and 791.

2. Ordinance 811, effective December 31, 1999, provides for 10 years certain & life as the normal form.

3. The October 1, 2001 valuation reflects a change in benefit provisions. In June, 2001, pursuant to Chapter 21, Section 3(a)(2) of the City Code, the Board authorized increasing pension benefits from $3.00 to $1800 per month per year of service. The change applied to all years of service, for both active and inactive members.

4. Effective October 1, 2001 the actuarial funding method was changed from the Frozen Initial Liability Cost Method to the Entry Age Normal Cost Method.

5. Effective October 1, 2001 the assumed rate of administrative expense was changed from $3,000 to $6,000.

6. The October 1, 2004 valuation reflects the following changes in benefit provisions:

   a. The normal form of retirement benefit payments for disability was changed from life annuity to ten years certain and life thereafter.

   b. A non-service connected pre-retirement death benefit was added.

   c. In November, 2003, pursuant to Chapter 21, Section 3(a)(2) of the City Code, the Board authorized an increase in pension benefits from $18.00 per month to $50.00 per month per year of service. The change was applicable to all years of service, for both active and inactive members.

7. Effective October 1, 2004 the assumed rate of administrative expense was changed from $6,000 to actual administrative expenses for the previous year.

8. Effective October 1, 2005, the mortality table was changed from the 1983 Group Annuity Mortality Table for males with females set back six years to the RP 2000 Mortality Table Projected to 2005 for males and females (sex distinct tables), set forward five years for impaired mortality.

9. Ordinance 904, passed and effective November 14, 2006, increased pension benefits from $50.00 per month to $56.00 per month per year of service. The change was applicable to all years of service, for both active and inactive members.

10. The state required that there be at least two active members in the Plan. This requirement was met by a vested terminated member who returned to active status effective October 1, 2006.

11. Effective October 1, 2007 the normal cost for administrative expenses is the average of the past two years rather than the actual amount paid the preceding year.

12. Effective October 1, 2008, the valuation asset method was changed to one which smoothes the excess/(shortfall) of actual investment earnings as compared to expected earnings over five years. Additionally, the method of determining the normal cost for administrative expenses was changed from a two year average of actual expenses to a four year average of actual expenses.

SECTION II

VALUATION RESULTS

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM
COMPARATIVE SUMMARY OF VALUATION RESULTS
AS OF OCTOBER 1

	2010	2009
Covered Group		
A. Number of Participants		
Actives	2	2
Retirees, Disabilities, Beneficiaries and Vested Terminations	8	8
Long Range Cost		
B. Actuarial Present Value of Projected Benefits	$ 1,122,453	$ 1,083,446
C. Actuarial Present Value of Future Normal Costs	13,479	15,734
D. Actuarial Accrued Liability (AAL): B-C	1,108,974	1,067,712
E. Valuation Assets		
1. Total Valuation Assets	869,934	830,390
2. Excess State Money	190,184	164,083
3. Net Assets Available: 1 - 2	679,750	666,307
F. Unfunded Actuarial Accrued Liability (UAAL): D - E	429,224	401,405
Current Cost		
G. Payment Required to Amortize UAAL	$ 35,812	$ 33,219
H. Total Normal Cost (for current year)	36,481	30,826
I. Plan Year to which Contributions Apply	2010/11	2009/10
J. Interest	5,314	4,707
K. Total Required Contributions, with Interest	77,607	68,752
L. Estimate of State Contributions		
1. Amount Expected	111,648	111,648
2. Base Amt. + cost of increase	85,547	85,547
3. Lesser of 1 or 2	85,547	85,547
M. Required City Contributions	(7,940)	(16,795)

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM
DERIVATION OF NORMAL COST
AS OF OCTOBER 1

	2010	2009
A. Entry Age Normal Cost for		
Service Retirement	$ 2,739	$ 2,739
Vesting Benefits	367	367
Preretirement Death	100	100
Disability Benefits	214	214
Return of Contributions	0	0
Total	3,420	3,420
B. Normal Cost for Administrative Expense	33,061	27,406
C. Expected Member Contributions	0	0
D. Employer Normal Cost for Plan Year Beginning October 1: (A)+(B)-(C)	36,481	30,826

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM
PRESENT VALUE OF PROJECTED BENEFITS
AS OF OCTOBER 1

	2010	2009
A. Present Value of Future Salaries	$ N/A	$ N/A
B. Present Value of Projected Benefits		
1. Active Members		
Service Retirement Benefits	296,664	271,050
Vesting Benefits	7,161	8,486
Preretirement Death	2,074	2,433
Disability Benefits	2,839	3,381
Return of Contributions	0	0
Total	308,738	285,350
2. Inactive Members		
Service Retirees	535,956	541,366
Disability Retirees	0	0
Beneficiaries	0	0
Terminated Vested	277,759	256,730
Total	813,715	798,096
3. Grand Total	1,122,453	1,083,446

LIQUIDATION OF THE UNFUNDED ACTUARIAL ACCRUED LIABILITY AS OF OCTOBER 1, 2010

The Unfunded Actuarial Accrued Liability (UAAL) is being amortized as a level dollar amount over the number of years remaining in the amortization period. Details relating to the UAAL are as follows:

UAAL AS OF OCTOBER 1, 2010					
Original			Current		
Date & Source	Amort. Years	Amount	Years Remaining	Amount	Payment
10/1/98 UFAAL	30	$ 20,672	18	$ (11,825)	$ (1,168)
2001 Amendment	30	136,484	21	75,854	7,012
10/1/01 Change Method	30	(32,181)	21	(17,886)	(1,653)
10/1/03 Loss	30	25,189	23	19,956	1,782
10/1/03 Amendment	30	303,320	23	240,288	21,453
10/1/04 Gain	30	(22,267)	24	(18,752)	(1,649)
10/1/05 Gain	30	(5,030)	25	(4,470)	(388)
10/1/05 Assumption Change	30	21,786	25	19,359	1,679
10/1/06 Loss	30	5,458	26	4,915	421
10/1/06 Member Status Change (Requited by the State)	15	39,702	11	30,104	3,904
10/1/07 Gain	30	(25,431)	27	(23,510)	(1,991)
10/1/08 Loss	30	129,503	28	121,460	10,177
10/1/08 Method Change	15	108,520	13	(93,978)	(11,010)
10/1/09 Loss	30	41,341	29	39,249	3,257
10/1/10 Loss	30	48,460	30	48,460	3,986
				429,224	35,812

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM
CHAPTER REVENUE

Increments in Chapter revenue over that received in 1998 must first be used to fund the cost of compliance with minimum benefits. Once minimums are met, any subsequent additional Chapter revenue must be used to provide extra benefits.

As of the valuation date, the Pension Plan needed the following cost-related changes in order to comply with minimum benefit requirements:

- None

Since all required changes have been made, any additional revenue must be spent on extra benefits.

Actuarial Confirmation of the Use of State Chapter Money

	2010	2009
1. Base Amount Previous Plan Year	$ 85,547	$ 85,547
2. Amount Received for Previous Plan Year	111,648	77,739
3. Benefit Improvements Made in Previous Plan Year	0	0
4. Excess Funds for Previous Plan Year: (2) - (1) - (3)	26,101	0
5. Accumulated Excess at Beginning of Previous Year	164,083	164,083
6. Prior Excess Used in Previous Plan Year	0	0
7. Accumulated Excess as of Valuation Date (Available for Benefit Improvements): (4) +(5) – 6)	190,184	164,083
8. Base Amount This Plan Year: (1) + (3)	85,547	85,547

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM RECENT HISTORY OF VALUATION RESULTS					
Valuation Date	Number of Active Members	Number of Inactive Members	Actuarial Value of Assets	Unfunded Actuarial Accrued Liability	Employer Normal Cost
10/1/10	2	8	$ 679,750	$ 429,224	$ 36,481
10/1/09	2	8	666,307	401,405	30,826
10/1/08	2	8	646,453	379,293	26,393
10/1/07	2	8	593,576	380,637	30,879
10/1/06	2	8	482,457	435,220	26,993
10/1/05	1	9	397,713	344,937	19,221
10/1/04	1	9	338,383	344,812	14,730
10/1/01	2	8	122,981	81,752	6,791

ACTUARIAL GAINS AND LOSSES

The assumptions used to anticipate mortality, employment turnover, investment income, expenses, salary increases, and other factors have been based on long-range trends and expectations. Actual experience can vary from these expectations. The variance is measured by the gain and loss for the period involved. If significant long-term experience reveals consistent deviation from what has been expected and that deviation is expected to continue, the assumptions should be modified. The net actuarial gains (losses) for this and previous years are as follows:

A. Derivation of Actuarial Gain / (Loss)	
1. Unfunded Actuarial Accrued Liability (UAAL) Previous Valuation	$ 401,405
2. Normal Cost (NC) Previous Valuation	30,826
3. Contributions Previous Year	85,547
4. Interest on:	
a. UAAL and NC	34,579
b. Contributions	499
c. Net Total: (a) - (b)	34,080
5. Expected UAAL Current Year Before Changes: (1) + (2) - (3) + (4)	380,764
6. Change Due to Plan Amendments	0
7. Change Due to Assumptions or Methods	0
8. Expected UAAL Current Year After Changes: (5)+(6)+(7)	380,764
9. Actual UAAL Current Year	429,224
10. Actuarial Gain/(Loss): (8) - (9)	(48,460)
B. Approximate Portion of Gain/(Loss) Due to Investments	(45,348)
C. Approximate Portion of Gain/(Loss) Due to Liabilities: (A)-(B)	$ (3,112)

Year Ending	Actuarial Gain (Loss)
9/30/10	$ (48,460)
9/30/09	(41,341)
9/30/08	(129,503)
9/30/07	25,431
9/30/06	(5,458)
9/30/05	5,030
9/30/04	22,267
9/30/01	Not Available

The fund earnings and salary increase assumptions have considerable impact on the cost of the Plan so it is important that they be in line with actual experience. The following table shows the fund earnings on actuarial value of assets and salary increase rates compared to the assumed rates for the last few years:

	Investment Rate of Return		
Year Ended	Actual	Assumed	Salary Increases
9/30/10	2.6 %	8.0 %	N/A
9/30/09	2.6	8.0	N/A
9/30/08	(13.4)	8.0	N/A
9/30/07	13.7	8.0	N/A
9/30/06	7.2	8.0	N/A
9/30/05	9.7	8.0	N/A
9/30/04	10.1	8.0	N/A
9/30/03	17.9	8.0	N/A
9/30/02	(10.7)	8.0	N/A
9/30/01	(10.4)	8.0	N/A

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM
FASB NO. 35 INFORMATION AS OF OCTOBER 1

	2010	2009
A. Actuarial Present Value of Accumulated Plan Benefits		
1. Vested Benefits		
a. Members Currently Receiving Benefits	$ 535,956	$ 541,366
b. Terminated Vested Members	277,759	256,730
c. Other Members	264,717	234,683
d. Total	1,078,432	1,032,779
2. Non-Vested Benefits	0	0
3. Total: (1) + (2)	1,078,432	1,032,779
4. Accumulated Contributions of Active Members	N/A	N/A
B. Statement of Change in Accumulated Plan Benefits		
1. Total Value at Beginning of Year	1,032,779	987,601
2. Increase (decrease) during year attributable to:		
a. Plan Amendment	0	0
b. Change in actuarial assumptions & methods	0	0
c. Benefits paid and contribution refunds	(47,702)	(42,830)
d. Other, including lastest member data, benefits accumulated and decrease in discount period	93,355	88,008
e. Net Increase	45,653	45,178
3. Total Value at End of Year	1,078,432	1,032,779
C. Market Value of Assets	788,303	707,144
D. Actuarial Assumptions - See page entitled Actuarial Assumptions and Methods.		

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM
GASB STATEMENT NO. 25
SCHEDULE OF EMPLOYER CONTRIBUTIONS

Valuation Date	Fiscal Year End	Total Required Contributions	Actual Contributions		
			City	State	Usable State
10/1/10	9/30/11	$ 77,607	N/A	N/A	N/A
10/1/09	9/30/10	68,752	$ 0	$ 111,648	$ 85,547
10/1/08	9/30/09	76,864	0	77,739	77,739
10/1/07	9/30/08	84,187	0	155,049	85,547
10/1/06	9/30/07	84,459	0	148,841	85,547
10/1/05	9/30/06	52,014	0	90,876	59,589
10/1/04	9/30/05	46,877	0	84,258	59,589
10/1/01	9/30/04	43,306	0	80,211	59,589
10/1/01	9/30/03	14,537	0	67,406	31,128
10/1/01	9/30/02	14,537	0	56,323	18,401

GASB STATEMENT NO. 25
SCHEDULE OF FUNDING PROGRESS

Actuarial Valuation Date	Actuarial Value of Assets: (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (UAAL) (b)-(a)	Funded Ratio (a)/(b)	Covered Payroll (c)	UAAL As % of Covered Payroll [(b)-(a)]/(c)
10/1/10	$ 679,750	$ 1,108,974	$ 429,224	61.3 %	N/A	N/A
10/1/09	666,307	1,067,712	401,405	62.4	N/A	N/A
10/1/08	646,453	1,025,746	379,293	63.0	N/A	N/A
10/1/07	593,576	974,213	380,637	60.9	N/A	N/A
10/1/06	482,457	917,677	435,220	52.6	N/A	N/A
10/1/05	397,713	742,650	344,937	53.6	N/A	N/A
10/1/04	338,383	683,195	344,812	49.5	N/A	N/A
10/1/01	122,981	204,733	81,752	60.1	N/A	N/A

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM

GASB STATEMENT NO. 25

REQUIRED SUPPLEMENTARY INFORMATION

The information presented in the required supplementary schedules was determined as part of the actuarial valuations at the dates indicated. Additional information as of the latest actuarial valuation:

Valuation Date	October 1, 2010
Required Contribution:	
Employer (City and State)	$77,607
Plan Members	$0
Actuarial Cost Method	Entry Age Normal Actuarial Cost Method
Amortization Method	Level dollar amount
Equivalent Single Amortization Period	28 years
Asset Valuation Method	Smoothed Market Value
Actuarial Assumptions	
Investment rate of return*	8.0%
Projected salary increases	N/A
Cost-of-living adjustments	N/A
*Includes inflation and other general increases at	3.5%

ACTUARIAL ASSUMPTIONS AND ACTUARIAL COST METHODS

A. Mortality

RP 2000 Mortality Table Projected to 2005 for males and females (sex distinct tables), set forward five years for impaired mortality.

This assumption is used to measure the probabilities of members dying before retirement and the probabilities of each benefit payment being made after retirement. For disabled retirees, the regular mortality tables are set forward five years to reflect impaired longevity.

Sample Ages	% Mortality During the Year		Future Life Expectancy (years)	
	Men	Women	Men	Women
50	0.20%	0.15%	31.31	33.86
55	0.33%	0.26%	26.66	29.16
60	0.62%	0.49%	22.19	24.61
65	1.19%	0.95%	18.01	20.35
70	2.06%	1.63%	14.22	16.44
75	3.53%	2.70%	10.83	12.92
80	6.12%	4.43%	7.92	9.82
Ref:	452 x ###	453 x ###		

B. Interest to be Earned by Fund

8%, compounded annually

C. Allowances for Expenses

The average of actual expenses incurred during the prior four plan years

D. Employee Withdrawal Rates

Samples Rates are shown below:

Age	Males	Females
20	7.5%	12.5%
25	5.0	7.5
30	3.5	5.0
35	2.5	3.5
40	1.5	2.5
45	1.0	1.5
50	0.5	1.0
55 & up	0.0	0.0

E. Disability Rates

Sample Rates are shown below:

Age	Males	Females
20	0.17%	0.34%
25	0.17	0.34
30	0.17	0.34
35	0.18	0.36
40	0.20	0.40
45	0.23	0.46
50	0.29	0.58
55	0.39	0.78
60 & up	0.00	0.00

F. Salary Increase Factors

None – Flat benefit, not salary related.

G. Inflation Rate

An implicit rate of 3.5% is assumed to be included in the assumed interest rate to be earned by the Fund (Item B.) as well as the assumed annual salary increase factor (Item F.).

H. Retirement Age

Participants are assumed to retire one half year after the valuation date at which they are first eligible for normal retirement. Participants who are beyond normal retirement date are assumed to retire one half year after the valuation date.

I. Valuation of Assets

Effective with the October 1, 2008 valuation, the assets are valued using an IRS approved smoothed market value without phase in, beginning with the market value at October 1, 2004, as if the method had always been in effect. It recognizes the difference between actual and expected investment income at the rate of 20% per year. The actuarial value of assets is calculated as market value minus unrecognized excesses (shortages) of actual investment income as compared to expected. Actual contributions and expenses are used to determine the expected return. The actuarial value of assets is further adjusted to the extent necessary to fall within the corridor of 80% to 120% of the fair market value of plan assets.

Excess State Money is excluded for funding purposes.

J. Cost Method Entry Age Normal Actuarial Cost Method.

K. Changes From Previous Valuation None.

GLOSSARY OF TERMS

Actuarial Accrued Liability (AAL)	The difference between the Actuarial Present Value of Future Benefits, and the Actuarial Present Value of Future Normal Costs.
Actuarial Assumptions	Assumptions about future plan experience that affect costs or liabilities, such as: mortality, withdrawal, disablement, and retirement; future increases in salary; future rates of investment earnings; future investment and administrative expenses; characteristics of members not specified in the data, such as marital status; characteristics of future members; future elections made by members; and other items.
Actuarial Cost Method	A procedure for allocating the Actuarial Present Value of Future Benefits between the Actuarial Present Value of Future Normal Costs and the Actuarial Accrued Liability.
Actuarial Equivalent	Of equal Actuarial Present Value, determined as of a given date and based on a given set of Actuarial Assumptions.
Actuarial Present Value (APV)	The amount of funds required to provide a payment or series of payments in the future. It is determined by discounting the future payments with an assumed interest rate and with the assumed probability each payment will be made.
Actuarial Present Value of Future Benefits (APVFB)	The Actuarial Present Value of amounts which are expected to be paid at various future times to active members, retired members, beneficiaries receiving benefits, and inactive, nonretired members entitled to either a refund or a future retirement benefit. Expressed another way, it is the value that would have to be invested on the valuation date so that the amount invested plus investment earnings would provide sufficient assets to pay all projected benefits and expenses when due.
Actuarial Valuation	The determination, as of a valuation date, of the Normal Cost, Actuarial Accrued Liability, Actuarial Value of Assets, and related Actuarial Present Values for a plan. An Actuarial Valuation for a governmental retirement system typically also includes calculations of items needed for compliance with GASB No. 25, such as the Funded Ratio and the Annual Required Contribution (ARC).
Actuarial Value of Assets	The value of the assets as of a given date, used by the actuary for valuation purposes. This may be the market or fair value of plan assets or a smoothed value in order to reduce the year-to-year volatility of calculated results, such as the funded ratio and the actuarially required contribution (ARC).

Amortization Method	A method for determining the Amortization Payment. The most common methods used are level dollar and level percentage of payroll. Under the Level Dollar method, the Amortization Payment is one of a stream of payments, all equal, whose Actuarial Present Value is equal to the UAAL. Under the Level Percentage of Pay method, the Amortization Payment is one of a stream of increasing payments, whose Actuarial Present Value is equal to the UAAL. Under the Level Percentage of Pay method, the stream of payments increases at the rate at which total covered payroll of all active members is assumed to increase.
Amortization Payment	That portion of the plan contribution or ARC which is designed to pay interest on and to amortize the Unfunded Actuarial Accrued Liability.
Amortization Period	The period used in calculating the Amortization Payment.
Annual Required Contribution (ARC)	The employer's periodic required contributions, expressed as a dollar amount or a percentage of covered plan compensation, determined under GASB No. 25. The ARC consists of the Employer Normal Cost and Amortization Payment.
Closed Amortization Period	A specific number of years that is reduced by one each year, and declines to zero with the passage of time. For example if the amortization period is initially set at 30 years, it is 29 years at the end of one year, 28 years at the end of two years, etc.
Employer Normal Cost	The portion of the Normal Cost to be paid by the employer. This is equal to the Normal Cost less expected member contributions.
Equivalent Single Amortization Period	For plans that do not establish separate amortization bases (separate components of the UAAL), this is the same as the Amortization Period. For plans that do establish separate amortization bases, this is the period over which the UAAL would be amortized if all amortization bases were combined upon the current UAAL payment.
Experience Gain/Loss	A measure of the difference between the normal cost rate from last year and the normal cost rate from this year.
Funded Ratio	The ratio of the Actuarial Value of Assets to the Actuarial Accrued Liability.
GASB	Governmental Accounting Standards Board.
GASB No. 25 and GASB No. 27	These are the governmental accounting standards that set the accounting rules for public retirement systems and the employers that sponsor or contribute to them. Statement No. 27 sets the accounting rules for the employers that sponsor or contribute to public retirement systems, while

Statement No. 25 sets the rules for the systems themselves.

Normal Cost	The annual cost assigned, under the Actuarial Cost Method, to the current plan year.
Unfunded Actuarial Accrued Liability	The difference between the Actuarial Accrued Liability and Actuarial Value of Assets.
Valuation Date	The date as of which the Actuarial Present Value of Future Benefits are determined. The benefits expected to be paid in the future are discounted to this date.

SECTION III

PENSION FUND INFORMATION

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM
STATEMENT OF ASSETS AT MARKET VALUE
AS OF SEPTEMBER 30

	2010	2009
Cash & Cash Equivalents	$ 18,948	$ 30,605
Investments		
Common Stock	337,592	301,287
Corporate bonds and notes	132,592	121,248
Domestic equity funds	79,650	67,761
U.S. government securities	147,238	125,420
International equity Funds	32,240	30,994
Total Investments	729,312	646,710
Total Cash & Investments	748,260	677,315
Receivables		
Contributions Receivable	36,850	27,017
State Contribution Receivable	0	0
Accrued Interest & Dividends	3,420	3,144
Due from Brokers	0	0
Liabilities		
Accounts Payable	0	0
Due to Brokers	227	332
Total Pension Funds Assets	788,303	707,144
Excess State Money	190,184	164,083
Net Assets Available for Benefits	598,119	543,061

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM INCOME AND DISBURSEMENTS FOR THE YEAR ENDED SEPTEMBER 30	2010	2009
A. Market Value as of Beginning of Year	$ 707,144	$ 702,016
B. Receipts During Period		
1. Contributions		
a. Employee	N/A	N/A
b. Receivable	0	0
c. State	111,648	77,739
d. Total	111,648	77,739
2. Investment Earnings Allocation		
a. Interest & Dividends	23,565	20,341
b. Realized Gain/(Loss)	10,470	(36,866)
c. Unrealized Gain/(Loss)	29,373	22,488
d. Total	63,408	5,963
3. Total Receipts During Period	175,056	83,702
C. Disbursements During Period		
1. Benefits	47,702	42,830
2. Allocated Expenses	46,195	35,744
3. Total Disbursements During Period	93,897	78,574
D. Market Value as of End of Year	788,303	707,144

Actuarial Value of Assets as of October 1,

	Valuation Date	10/1/2010	10/1/2009	10/1/2008	10/1/2007
	Assumed Rate of Return for Prior Year	8.00%	8.00%	8.00%	8.00%
A.	Market Value of Assets at Beginning of Year	707,144	702,016	688,157	482,457
B.	Contributions	111,648	77,739	155,050	187,703
C.	1. Benefit Payments	47,702	42,830	27,310	21,149
	2. Expenses	46,195	35,744	18,961	31,344
	3. Total Disbursements	93,897	78,574	46,271	52,493
D.	Expected Investment Income	57,282	56,128	59,404	44,005
	expected net return	8.00%	8.00%	8.00%	8.00%
E.	Expected Assets End of Year: A+B-C+D	782,177	757,309	856,340	661,672
F.	Actual Market Value at End of Year	788,303	707,144	702,016	688,157
G.	Excess/(Shortfall) of Actual over Expected Assets: F-E				
	1. From This Year	6,126	(50,165)	(154,324)	26,485
	2. From One Year Ago	(50,165)	(154,324)	26,485	(5,571)
	3. From Two Years Ago	(154,324)	26,485	(5,571)	6,380
	4. From Three Years Ago	26,485	(5,571)	6,380	-
H.	Decreasing Fractions of Excess/(Shortfall)				
	1. 80% From This Year	4,901	(40,132)	(123,459)	21,188
	2. 60% From One Year Ago	(30,099)	(92,594)	15,891	(3,343)
	3. 40% From Two Years Ago	(61,730)	10,594	(2,228)	2,552
	4. 20% From Three Years Ago	5,297	(1,114)	1,276	-
	5. Total	(81,631)	(123,246)	(108,520)	20,397
I.	Preliminary Actuarial Value of Assets as of EOY: F-H5	869,934	830,390	810,536	667,760
J.	Final Valuation Assets must be within 80% to 120% of Market Value				
	1. 80% of Market Value	630,642	565,715	561,613	550,526
	2. 120% of Market Value	945,964	848,573	842,419	825,788
	3. Valuation Assets	869,934	830,390	810,536	667,760
K.	Investment Gain/(Loss)				
	1. Actual Investment Income: J3TY-J3LY+Disb-Contr	21,793	20,689	33,997	49,464
	2. Expected Income: int * (J3LY+1/2(Contr-Disb))	67,141	64,809	57,772	44,055
	3. Gain/(Loss): (1) - (2)	(45,348)	(44,120)	(23,775)	5,409

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM

INVESTMENT RATE OF RETURN

The investment rate of return has been calculated on the following bases:

Basis 1: **Market Value Basis** - interest, dividends, realized gains (losses) and unrealized appreciation (depreciation), divided by the weighted average of the market value of the fund during the year. This figure is normally called the Total Rate of Return.

Basis 2: **Valuation Asset Basis** - investment earnings recognized in the Actuarial Value of Assets divided by the weighted average of the Actuarial Value of Assets during the year.

Year Ended	Investment Rate of Return	
	Basis 1	Basis 2
9/30/2010	9.1 %	2.6 %
9/30/2009	0.9	2.6
9/30/2008	(13.4)	(13.4)
9/30/2007	13.7	13.7
9/30/2006	7.2	7.2
9/30/2005	9.7	9.7
9/30/2004	10.1	10.1
9/30/2003	17.9	17.9
9/30/2002	(10.7)	(10.7)
9/30/2001	(10.4)	(10.4)
Average Compounded Rate of Return for Last 3 Years	(1.6) %	(3.1) %
Average Compounded Rate of Return for Last 5 Years	3.0 %	2.1 %

SECTION IV

MEMBER STATISTICS

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM STATISTICAL DATA			
	10/1/10	10/1/09	10/1/08
Active Partipants			
Number	2	2	2
Averages			
Current Age	46.4	45.4	44.4
Age at Employment	23.2	23.2	23.2
Past Service	23.2	22.2	21.2
Service at Age 50	26.8	26.8	26.8
Members Receiving Benefits			
Number	3	3	2
Total Annual Pensions	$ 47,515	$ 47,515	$ 33,086
Average Monthly Benefit	1,320	1,320	1,379
Average Current Age	56.0	55.0	56.1
Terminated Members with Vested Benefits			
Number	5	5	6
Total Annual Pensions	$ 43,624	$ 43,624	$ 58,053
Average Monthly Benefit	727	727	806
Average Current Age	46.8	45.8	45.6

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM
RECONCILIATION OF MEMBERSHIP DATA

Year Ended	9/30/10	9/30/09	9/30/08
A. Active Members			
1 Number Included in Last Valuation	2	2	2
2 Additions from Vested Terminated Members	0	0	0
3 Non-Vested Employment Terminations	0	0	0
4 Vested Employment Terminations	0	0	0
5 Service Retirements	0	0	0
6 Disability Retirements	0	0	0
7 Deaths	0	0	0
8 Number Included in This Valuation	2	2	2
B. Terminated Vested Members			
1 Number Included in Last Valuation	5	6	7
2 Transfer to Active Status	0	0	0
3 Lump Sum Payments	0	0	0
4 Payments Commenced	0	(1)	(1)
5 Deaths	0	0	0
6 Refunds	0	0	0
7 Number Included in This Valuation	5	5	6
C. Service Retirees, Disability Retirees and Beneficiaries			
1 Number Included in Last Valuation	3	2	1
2 Additions from Active Members	0	0	0
3 Additions from Terminated Vested Members	0	1	1
4 Deaths Resulting in No Further Payments	0	0	0
5 End of Certain Period - No Further Payments	0	0	0
6 Number Included in This Valuation	3	3	2

SECTION V

SUMMARY OF RETIREMENT PLAN PROVISIONS

WILTON MANORS FIREFIGHTERS RETIREMENT SYSTEM
SUMMARY OF RETIREMENT PLAN PROVISIONS

Through Ordinance 904, Effective November 14, 2006

A. Effective Date:

April 9, 1996.

B. Eligibility Requirements:

All active members of the Wilton Manors Volunteer Fire Department shall become participants on date of membership.

C. Credited Service:

Service in completed calendar months from date first served as an active member to the earlier of the participant's termination of service or actual retirement date.

D. Pensionable Compensation:

None. The plan benefits are not compensation related.

E. Normal Retirement:

Eligibility: Earlier of (i) or (ii), where:

(i) is attainment of age 55, and

(ii) is attainment of age 50 and completion of 20 years of creditable service.

Monthly Benefit: \$56 multiplied by years of creditable service (\$50 prior to Ordinance 904, effective 11/14/06).

F. Deferred Retirement:

Eligibility: Retirement after normal retirement date and approval by the Board.

Monthly Benefit: The benefit is calculated in the same manner as normal retirement except it is based on years of creditable service at deferred retirement date.

G. Service-Connected Disability Benefit:

Eligibility:	Unable to perform regular and continuous duties as a volunteer firefighter as a result of a service-connected injury, disease, or disability.
Benefit:	Benefit in an amount equal to the normal retirement benefit which would have been paid at the participant's normal retirement date. The benefit is payable monthly for life, with 120 payments guaranteed (payable for life only as of the last valuation).

H. Pre-Retirement Death Benefit:

Eligibility:	Death while an active volunteer firefighter.
Benefit:	The participant's beneficiary shall be entitled to receive the participant's normal retirement benefit as if the member had retired on the date of death.

I. Vested Benefit Upon Termination:

Eligibility:	At least 10 years of creditable service at date of termination. However, upon reaching normal retirement age, a participant will be 100% vested, regardless of service.
Benefit:	The monthly benefit payable at normal retirement date equal to the benefit accrued to the date of termination.

J. Employee Contributions:

None.

K. Normal Form of Retirement Income:

The normal form of payment shall be a 10 year certain and life annuity.

Optional forms are available.

STATE REQUIREMENTS

1. Copies of this Report are to be furnished to the Division of Retirement and the State Treasurer's Office within 60 days of receipt from the actuary, at the following addresses:

   Division of Retirement
   Bureau of Local Retirement
   P.O. Box 9000
   Tallahassee, Florida 32315-9000

   Division of Retirement
   Municipal Police Officers' and Firefighters'
   Retirement Trust Fund
   P.O. Box 3010
   Tallahassee, Florida 32315-3010

2. Contributions to the System -

   (a) Employee contributions must be deposited to the fund on at least a monthly basis.

   (b) City contributions must be deposited to the fund on at least a monthly basis.

   (c) Premium tax refunds and any other revenues collected for this Plan must be deposited within 5 days of receipt by the City.

3. Information for employees -

   (a) A written plan description is to be distributed to each member every two years.

   (b) Pertinent actuarial and financial information is to be included as part of the written plan description distributed to members.