REPORT ON THE SIXTY-THIRD ANNUAL VALUATION OF THE TEACHERS' AND STATE EMPLOYEES' RETIREMENT SYSTEM OF NORTH CAROLINA PREPARED AS OF DECEMBER 31, 2005





October 5, 2006

Board of Trustees Teachers' and State Employees' Retirement System of North Carolina 325 North Salisbury Street Raleigh, NC 27603

Members of the Board:

We submit herewith our report on the sixty-third annual valuation of the Teachers' and State Employees' Retirement System of North Carolina prepared as of December 31, 2005. The report has been prepared in accordance with North Carolina General Statute 135-6(o).

The System was amended effective July 1, 2006 to provide a 3.00% increase in the benefit to beneficiaries on the roll as of July 1, 2005 and to provide a prorated portion of a 3.00% increase for beneficiaries who retired after July 1, 2005 but before June 30, 2006. The cost of this amendment was covered by gains which developed during the 2004 valuation year and the increase in the contribution rate from 2.34% of payroll to 2.66% of payroll.

The Appropriations Act of 2006 sets contributions at 2.66% of payroll effective for the fiscal year ending June 30, 2007. The valuation has been prepared in accordance with the parameters of Statement Nos. 25 and 27 of the Governmental Accounting Standards Board. The annual required contribution (ARC) under GASB for the 2007-2008 fiscal year is 2.32% of payroll which will liquidate the unfunded accrued liability within a 9-year period. On this basis, there is a preliminary reserve from undistributed gains equivalent to 0.34% of payroll. However, the System is owed 0.49% of employer contributions, the unpaid portion of the amount escrowed during the 2000/2001 fiscal year. Assuming that the undistributed gains are used to apply towards all of the amount owed to the System, there are no remaining undistributed gains to be used for benefit improvements.

The Table of Contents, which immediately follows, outlines the material contained in the report.

Respectfully submitted

Richard A. Mackesey, F.S.A. Principal, Consulting Actuary

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REPORT ON THE SIXTY-THIRD ANNUAL VALUATION OF THE TEACHERS' AND STATE EMPLOYEES' RETIREMENT SYSTEM OF NORTH CAROLINA PREPARED AS OF DECEMBER 31, 2005

SECTION I - SUMMARY OF PRINCIPAL RESULTS

1. This report, prepared as of December 31, 2005, presents the results of the sixty-third actuarial valuation of the system. For convenience of reference, the principal results of the valuation and a comparison with the preceding year's results are summarized below. The current valuation reflects the benefit increases granted to beneficiaries as of July 1, 2005 and amendments to the system effective through July 1, 2006.

| SUMMARY OF PRINCIPA | LKE | SUL15 | |
|--|-----|-----------------|-----------------------|
| VALUATION DATE | | 12/31/05 | 12/31/04 |
| Active members included in valuation | | | |
| Number | | 321,513 | 311,612 |
| Annual compensation | \$ | 10,990,238,891 | \$ 10,366,136,571 |
| Beneficiaries | | | |
| Number | | 134,719 | 128,577 |
| Annual allowances | \$ | 2,514,627,247 | \$ 2,315,858,563 |
| Assets | | | |
| Actuarial value | \$ | 49,670,182,206 | \$ 47,383,509,397 |
| Market value | | 51,558,604,486 | 49,711,421,866 |
| Unfunded accrued liability | \$ | (3,045,514,417) | \$ (3,555,655,121) |
| CONTRIBUTIONS FOR FISCAL YEAR ENDING | | June 30, 2008 | June 30, 2007 |
| Appropriations Act Employer contribution rate | | | |
| Normal | | 6.15% | 6.74% |
| Accrued liability | | (3.49) | <u>(4.40)</u> |
| Total | | 2.66% | 2.34% |
| Liquidation period | | 11 years | 12 years |
| GASB 25/27 Annual required contribution (ARC) of employer | | | |
| Normal | | 6.15% | 6.74% |
| Accrued liability | | (3.83) | (5.14) |
| Total | | 2.32% | 1.60% |
| Liquidation period | | 9 years | 9 years |
| Preliminary undistributed gains | | 0.34% | 0.74% |
| Estimated adjustment for required Employer contributions not made | | <u>(0.49%)</u> | <u>(0.57%)</u> |
| Reserve from undistributed gains | | N/A | 0.17% |

TABLE I SUMMARY OF PRINCIPAL RESULTS

- 2. The valuation balance sheet showing the results of the valuation is given in Section III.
- Comments on the valuation results are given in Section IV, comments on the experience and actuarial gains during the valuation year are given in Section V and the rates of contribution payable by employers are given in Section VI.
- 4. Schedule B of this report outlines the full set of actuarial assumptions and methods employed. Since the previous valuation, the assumptions have been revised to reflect the results of the experience investigation prepared as of December 31, 2004 and adopted by the Board of Trustees on April 20, 2006. Schedule A of this report presents the development of the actuarial value of assets.
- 5. Schedule C gives a summary of the benefit and contribution provisions of the system.

SECTION II - MEMBERSHIP DATA

Data regarding the membership of the system for use as a basis for the valuation were furnished by the system's office. The following tables summarize the membership of the system as of December 31, 2005 upon which the valuation was based. Detailed tabulations of the data are given in Schedule D.

TABLE II

| GROUP Teachers | NUMBER 147,286 | ANNUAL COMPENSATION \$ 5,297,673,077 |
|--------------------------|--------------------------|--|
| Employees | 171,480 | 5,570,321,265 |
| Law Enforcement Officers | 2,747 | 122,244,549 |
| Total | 321,513 | \$ 10,990,238,891 |

THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS INCLUDED IN THE VALUATION AS OF DECEMBER 31, 2005

There are, in addition, 54,003 inactive members who were excluded from the table because of insufficient data. The results of the valuation were adjusted to take these members into account.



TABLE III

| GROUP | NUMBER | ANNUAL RETIREMENT ALLOWANCES |
|---------------------------|--------------------|------------------------------------|
| Beneficiaries Receiving | Service Retirem | nent Allowances |
| Teachers | 57,483 | \$ 1,359,005,726 |
| Employees | 58,306 | 868,913,221 |
| Law Enforcement Officers | <u> 1,855</u> | 50,508,937 |
| Total | 117,644 | \$ 2,278,427,884 |
| Beneficiaries Receiving I | Disability Retirer | ment Allowances |
| Teachers | 1,745 | \$ 39,233,606 |
| Employees | 4,286 | 68,060,529 |
| Law Enforcement Officers | 155 | 3,631,662 |
| Total | 6,186 | \$ 110,925,797 |
| Benefits to Survivors | s of Deceased E | <u>Beneficiaries</u> |
| Teachers | 3,311 | \$ 49,374,455 |
| Employees | 7,307 | 71,040,083 |
| Law Enforcement Officers | 271 | 4,859,029 |
| Total | 10,889 | \$ 125,273,567 |
| Grand Total | <u>134,719</u> | <u>\$2,514,627,247</u> |

THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES AND SURVIVORS ON THE ROLL AS OF DECEMBER 31, 2005

SECTION III - VALUATION BALANCE SHEET

The following valuation balance sheet shows the assets and liabilities of the retirement system as of the current valuation date of December 31, 2005 and, for comparison purposes, as of the immediately previous valuation date of December 31, 2004. The items shown in the balance sheet are present values actuarially determined as of the relevant valuation date. The development of the actuarial value of assets is presented in Schedule A.

TABLE IV

VALUATION BALANCE SHEET SHOWING THE ASSETS AND LIABILITIES OF THE TEACHERS' AND STATE EMPLOYEES' RETIREMENT SYSTEM OF NORTH CAROLINA

| | DECEMBER 31, 2005 | DECEMBER 31, 2004 |
|--|---|--|
| ASSETS | | |
| Current actuarial value of assets: Annuity Savings Fund Pension Accumulation Fund | \$ 7,807,735,473 41,862,446,733 | \$ 7,469,590,963 39,913,918,434 |
| Total current assets | \$ 49,670,182,206 | \$ 47,383,509,397 |
| Future member contributions to Annuity Savings Fund | \$ 6,652,279,194 | \$ 6,044,472,900 |
| Prospective contributions to Pension Accumulation Fund: Normal contributions Unfunded accrued liability contributions Undistributed gain contributions | \$ 6,707,714,854 (3,045,514,417) <u> </u> | \$ 6,689,216,676 (3,555,655,121) <u> </u> |
| Total prospective contributions | <u>\$ 3,928,947,912</u> | <u>\$ 3,643,770,145</u> |
| Total Assets | <u>\$ 60,251,409,312</u> | <u>\$ 57,071,752,442</u> |
| LIABILITIES | | |
| Annuity Savings Fund: Past member contributions Future member contributions | \$ 7,807,735,473 6,652,279,194 | \$ 7,469,590,963 6,044,472,900 |
| Total contributions to Annuity Savings Fund | \$ 14,460,014,667 | \$ 13,514,063,863 |
| Pension Accumulation Fund: Benefits currently in payment Benefits to be paid to current active members Reserve for increases in retirement | \$23,048,139,224 21,769,438,603 | \$ 20,788,257,882 21,830,816,339 |
| allowances effective July 1, 2006 (July 1, 2005 for December 31, 2004 figure) Reserve from undistributed gains | 707,069,343 <u>266,747,475</u> | 428,405,768 <u>510,208,590</u> |
| Total benefits payable from Pension Accumulation Fund | <u>\$ 45,791,394,645</u> | <u>\$ 43,557,688,579</u> |
| Total Liabilities | <u>\$ 60,251,409,312</u> | <u>\$ 57,071,752,442</u> |

SECTION IV - COMMENTS ON VALUATION

The valuation balance sheet gives the following information with respect to the funds of the system as of

December 31, 2005.

Annuity Savings Fund

The Annuity Savings Fund is the fund to which are credited contributions made by members together with interest thereon. When a member retires, the amount of his accumulated contributions is transferred from the Annuity Savings Fund to the Pension Accumulation Fund. The assets credited to the Annuity Savings Fund on December 31, 2005, which represent the accumulated contributions of members to that date, amounted to \$7,807,735,473. The balance sheet also shows that the future contributions by members have a present value of \$6,652,279,194. The present value of both past and future contributions of members is therefore equal to \$14,460,014,667. The liabilities of this fund are also shown to be equal to \$14,460,014,667.

Pension Accumulation Fund

The Pension Accumulation Fund is the fund to which the contributions made by employers are credited and from which are paid all benefits on account of beneficiaries and their survivors.

The current market related actuarial value of assets creditable to the Pension Accumulation Fund on December 31, 2005 amounted to \$41,862,446,733. The liabilities on account of active members amounted to \$21,769,438,603. In addition, the balance sheet indicates liabilities of \$23,048,139,224 on account of all benefits payable to beneficiaries and survivors as of December 31, 2005. The balance sheet also shows a reserve of \$707,069,343 to provide for the increases in retirement allowances effective July 1, 2006, and a reserve from undistributed gains of \$266,747,475. The total liabilities of the Pension Accumulation Fund, therefore, amounted to \$45,791,394,645. The difference between these liabilities and the current assets credited to this fund is \$3,928,947,912 which represents the present value of future contributions to be made by the employers. Of this amount, \$6,707,714,854 represents the present value of prospective normal contributions by the employers, \$(3,045,514,417) represents the present value of prospective accrued liability contributions by employers and the balance of \$266,747,475 represents the present value of prospective accrued liability contributions on account of undistributed actuarial gains.

The retirement act provides that the contributions of employers shall consist of a normal contribution and an accrued liability contribution. G.S. 135-8(d)(2) of the retirement act provides that the normal contribution rate is to be determined as the uniform percentage of the earnable compensation of the average new entrant throughout his entire period of active service and is to be determined after each valuation. The valuation indicates that the uniform normal percentage contribution rate should be set at 6.15% of compensation.

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The present valuation indicates that if the employer contribution rate is set at 2.66% of payroll in accordance with the Appropriations Act of 2006, the accrued liability rate would be equal to (3.49%) of payroll effective July 1, 2006. The required employer contribution is 2.32% which will liquidate the unfunded accrued liability within a 9-year period.

SECTION V - COMMENTS ON EXPERIENCE AND GAINS

The unfunded accrued liability has decreased to \$(3,046) million from \$(3,556) million since the prior valuation. The significant items which affected the unfunded accrued liability were the amendment effective July 1, 2006 which increased the unfunded accrued liability by \$707 million, the assumption changes which increased the unfunded accrued liability by \$324 million, and the 2005 adjustment towards market value of assets which decreased the unfunded accrued liability by \$472 million.

The valuation results indicates that there is a preliminary reserve from undistributed gains equivalent to 0.34% of payroll. However, the System is owed 0.49% of employer contributions, the unpaid portion of the amount escrowed during the 2000/2001 fiscal year. Assuming that the undistributed gains are used to apply towards all of the amount owed to the System, there are no remaining undistributed gains to be used for benefit improvements. Each 1.0% increase in retirement allowances as of July 1, 2007 to beneficiaries on the retirement roll on July 1, 2006 and a prorated portion of each 1.0% increase as of July 1, 2007 for beneficiaries who retired after July 1, 2006 but before June 30, 2007 is equivalent to 0.33% of payroll. The cost of each 0.01% increase in the defined benefit formula with a corresponding increase in retirement allowances to all current benefit recipients is 0.41% of payroll.



SECTION VI - RATES OF PAYMENT TO PENSION ACCUMULATION FUND

The valuation balance sheet gives the basis for determining the percentage rates for contributions to be made by employers to the Pension Accumulation Fund and the Death Benefit Fund under the provisions of the retirement act. The following table shows the rates of contribution payable by employers as determined from the Appropriations Act and the present valuation for the 2007/2008 fiscal year.

TABLE V

RATES OF CONTRIBUTION PAYABLE BY EMPLOYERS FOR THE 2007/2008 FISCAL YEAR BASED ON THE APPROPRIATIONS ACT AND THE VALUATION AS OF DECEMBER 31, 2005

| CONTRIBUTION | RATE | |
|-----------------------------|---------------|--|
| Normal | 6.15% | |
| Actuarial Accrued Liability | <u>(3.49)</u> | |
| Total | 2.66% | |



SECTION VII - ACCOUNTING INFORMATION

1. Statement Nos. 25 and 27 of the Governmental Accounting Standards Board (GASB) set forth certain items of information to be disclosed in the financial statements of the System and the employer. One such item is a distribution of the number of employees by type of membership, as follows:

| GROUP | NUMBER |
|---|---------|
| Retired participants and beneficiaries currently receiving benefits | 134,719 |
| Terminated participants and beneficiaries entitled to benefits but not yet receiving | |
| benefits | 54,003 |
| Active Participants | 321,513 |
| Total | 510,235 |

NUMBER OF ACTIVE AND RETIRED PARTICIPANTS AS OF DECEMBER 31, 2005

2. Another such item is the schedule of funding progress as shown below.

SCHEDULE OF FUNDING PROGRESS

| Actuarial Valuation <u>Date</u> | Actuarial Value of Assets <u>(a)</u> | Actuarial Accrued Liability (AAL) Entry Age <u>(b)</u> | Unfunded AAL (UAAL) <u>(b-a)</u> | Funded Ratio <u>(a / b)</u> | Covered Payroll <u>(c)</u> | UAAL as a Percentage of Covered Payroll <u>((b-a)/c)</u> |
|---------------------------------------|---|--|---|-------------------------------------|------------------------------------|--|
| 12/31/00* | \$39,773,747,165 | \$35,248,769,986 | \$(4,524,977,179) | 112.8 | \$9,001,353,605 | (50.27) |
| 12/31/01 | 42,104,086,026 | 37,713,663,200 | (4,390,422,826) | 111.6 | 9,494,602,568 | (46.24) |
| 12/31/02 | 43,226,837,217 | 39,863,983,389 | (3,362,853,828) | 108.4 | 9,734,447,779 | (34.55) |
| 12/31/03 | 45,117,507,733 | 41,733,701,348 | (3,383,806,385) | 108.1 | 10,082,153,001 | (33.56) |
| 12/31/04 | 47,383,509,397 | 43,827,854,276 | (3,555,655,121) | 108.1 | 10,366,136,571 | (34.30) |
| 12/31/05 | 49,670,182,206 | 46,624,667,789 | (3,045,514,417) | 106.5 | 10,990,238,891 | (27.71) |

* These numbers have been revised since the previous valuation to reflect the requirements enacted by the legislature.

3. Following is the calculation of the annual pension cost and net pension obligation for the fiscal year ending June 30, 2006.

Annual Pension Cost and Net Pension Obligation for Fiscal Year Ending 6/30/2006

| (a) | Employer annual required contribution | \$ 269,587,000 |
|-----|--|-------------------|
| (b) | Interest on net pension obligation | 4,261,000 |
| (C) | Adjustment to annual required contribution | (8,802,000) |
| (d) | Annual pension cost: (a) + (b) + (c) | \$ 265,046,000 |
| (e) | Employer contributions made for fiscal year ending 6/30/2006 | 269,587,000 |
| (f) | Increase (decrease) in net pension obligation: (d) – (e) | \$ (4,541,000) |
| (g) | Net pension obligation beginning of fiscal year | 58,770,000 |
| (h) | Net pension obligation end of fiscal year: (f) + (g) | \$ 54,229,000 |

TREND INFORMATION

| Year Ending | Annual Pension Cost <u>(APC)</u> | Percentage of APC <u>Contributed</u> | Net Pension Obligation |
|---------------|-------------------------------------|---|---------------------------|
| June 30, 2004 | \$ 14,151,000 | 375.5 | \$ 63,691,000 |
| June 30, 2005 | 232,249,000 | 102.1 | 58,770,000 |
| June 30, 2006 | 265,046,000 | 101.7 | 54,229,000 |

4. The annual required contribution (ARC) of the employer as a percentage of payroll, determined in accordance with the parameters of GASB 25/27, is shown below. The accrued liability rate is based on amortization of the unfunded actuarial accrued liability of \$(3,045,514,417) over a 9-year period from the valuation date.

2007/2008 FISCAL YEAR ANNUAL REQUIRED CONTRIBUTION (ARC) BASED ON THE VALUATION AS OF DECEMBER 31, 2005

| ANNUAL REQUIRED CONTRIBUTION (ARC) | RATE |
|------------------------------------|------------------------|
| Normal Accrued liability | 6.15% <u>(3.83)</u> |
| Total | 2.32% |

Additional information as of December 31, 2005 follows.

| Valuation date | 12/31/05 |
|--------------------------------|------------------------|
| Actuarial cost method | Entry age |
| Amortization method | Level dollar open |
| Remaining amortization period | 9 years |
| Asset valuation method | 5-year smoothed market |
| Actuarial assumptions: | |
| Investment rate of return* | 7.25% |
| Projected salary increases* | 4.50 – 16.10% |
| *Includes inflation at | 3.75% |
| Cost-of-living adjustments | N/A |

5.



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SCHEDULE A

DEVELOPMENT OF ACTUARIAL VALUE OF ASSETS FOR THE YEAR ENDING DECEMBER 31, 2005

| 2.2005 Net Cash Flow a. $984,923,893$ $2,548,964,609$ c.b.Disbursements $2,548,964,609$ (1,564,040,716)3.Expected Investment Return: [(1) × .0725] + [(2)c × .03625]4.Expected Actuarial Value of Assets as of December 31, 2005: (1) + (2)c + (3)5.Market Value of Assets as of December 31, 20056.Excess of Market Value over Expected Actuarial Value of Assets: (5) - (4)7.20% Adjustment towards Market Value: (6) × .208.Actuarial Value of Assets as of December 31, 2005: (4) + (7)9.49,670,182,206 | | | |
|---|-----|---|--|
| a.Contributions $984,923,893$ b.Disbursements $2,548,964,609$ c.Net Cash Flow: (a) - (b)(1,564,040,716)3.Expected Investment Return: [(1) × .0725] + [(2) c x .03625] $3,378,607,955$ 4.Expected Actuarial Value of Assets as of December 31, 2005: (1) + (2) c + (3) $49,198,076,636$ 5.Market Value of Assets as of December 31, 2005 $51,558,604,486$ 6.Excess of Market Value over Expected Actuarial Value of Assets: (5) - (4) $2,360,527,850$ 7.20% Adjustment towards Market Value: (6) × .20 $472,105,570$ 8.Actuarial Value of Assets as of December 31, 2005: (4) + (7) $49,670,182,206$ | 1. | Actuarial Value of Assets as of December 31, 2004 | \$ 47,383,509,397 |
| [(1) x .0725] + [(2)c x .03625] 3,378,607,955 4. Expected Actuarial Value of Assets as of December 31, 2005: (1) + (2)c + (3) 49,198,076,636 5. Market Value of Assets as of December 31, 2005 51,558,604,486 6. Excess of Market Value over Expected Actuarial Value of Assets: (5) - (4) 2,360,527,850 7. 20% Adjustment towards Market Value: (6) x .20 472,105,570 8. Actuarial Value of Assets as of December 31, 2005: | 2. | a. Contributions b. Disbursements | 984,923,893 <u>2,548,964,609</u> (1,564,040,716) |
| December 31, 2005: $(1) + (2)c + (3)$ $49,198,076,636$ 5. Market Value of Assets as of December 31, 2005 $51,558,604,486$ 6. Excess of Market Value over Expected $Actuarial Value of Assets:$ $(5) - (4)$ $2,360,527,850$ 7. 20% Adjustment towards Market Value: $472,105,570$ 8. Actuarial Value of Assets as of December 31, 2005: $49,670,182,206$ | 3. | | 3,378,607,955 |
| 6. Excess of Market Value over Expected Actuarial Value of Assets: (5) - (4) 2,360,527,850 7. 20% Adjustment towards Market Value: (6) x .20 472,105,570 8. Actuarial Value of Assets as of December 31, 2005: (4) + (7) 49,670,182,206 | 4. | December 31, 2005: | 49,198,076,636 |
| Actuarial Value of Assets: 2,360,527,850 7. 20% Adjustment towards Market Value: 472,105,570 8. Actuarial Value of Assets as of December 31, 2005: 49,670,182,206 | 5. | Market Value of Assets as of December 31, 2005 | 51,558,604,486 |
| (6) x .20 472,105,570 8. Actuarial Value of Assets as of December 31, 2005: (4) + (7) 49,670,182,206 | 6. | Actuarial Value of Assets: | 2,360,527,850 |
| December 31, 2005: (4) + (7) 49,670,182,206 | 7. | | 472,105,570 |
| 9. Rate of investment return on actuarial value 8.26 | 8. | December 31, 2005: | 49,670,182,206 |
| II IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | 9. | Rate of investment return on actuarial value | 8.26% |
| 10. Rate of investment return on market value 6.97 | 10. | Rate of investment return on market value | 6.97% |



SCHEDULE B

STATEMENT OF ACTUARIAL ASSUMPTIONS AND METHODS

Assumptions are based on the experience investigation prepared as of December 31, 2004 and adopted by the Board of Trustees on April 20, 2006.

INTEREST RATE: 7.25% per annum, compounded annually.

SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed rates of separation from active service are as follows:

| - | | | | Annual Ra | ites of | | | | |
|----------------------|--------------------------------|-------------------------|---|----------------------------------|-------------------------|-------------------------|----------------------------------|----------------------------------|--|
| Age | Withdrawal* Age and Vesting | | Death | | Disa | Disability | | Service <u>Retirement**</u> | |
| | Male | Female | Male | <u>Female</u> | <u>Male</u> | Female | Male | <u>Female</u> | |
| 25 30 35 | .0800 .0800 .0680 | .0850 .0850 .0740 | .0006 .0008 .0009 | .0003 .0003 .0005 | .0001 .0004 .0010 | .0001 .0004 .0010 | | | |
| 40 45 50 | .0530 .0400 .0400 | .0500 .0400 .0350 | .0010 .0015 .0023 | .0007 .0009 .0013 | .0029 .0049 .0084 | .0018 .0033 .0050 | .3500 | .3500 | |
| 55 60 65 69 | .0400 | .0350 | .0023 .0040 .0071 .0129 .0199 | .0021 .0039 .0076 .0118 | .0144 .0240 | .0088 .0138 | .3000 .1500 .3000 .1500 | .3500 .1500 .3000 .2000 | |

GENERAL EMPLOYEES

Appual Datas of

TEACHERS

Annual Rates of

| Age | Withd and V | rawal* esting | De | ath | Disa | bility | | rvice ement** |
|--|---|---|---|--|---|--|----------------------------------|----------------------------------|
| | Male | Female | Male | Female | Male | <u>Female</u> | Male | <u>Female</u> |
| 25 30 35 40 45 50 55 60 65 | .0550 .0550 .0550 .0350 .0350 .0350 .0350 | .0600 .0600 .0500 .0350 .0250 .0300 .0300 | .0006 .0007 .0008 .0009 .0013 .0019 .0032 .0056 .0102 | .0003 .0004 .0006 .0008 .0011 .0017 .0029 .0058 | .0001 .0003 .0007 .0014 .0023 .0047 .0077 | .0002 .0003 .0006 .0010 .0018 .0032 .0055 .0102 | .3500 .3500 .1500 .3000 | .3500 .4500 .1500 .3500 |

Higher rates of withdrawal are used during the first 3 years of membership in the system. *

An additional 15% of general employees and an additional 20% of teachers are assumed to retire ** in the year when first eligible for unreduced service retirement. Special rates are used for early service retirement.



LAW ENFORCEMENT OFFICERS - MALES

| | _ | | | | | |
|--|--|--|--|--|--|---|
| | | De | eath | Dis | ability | |
| Age | Withdrawal and Vesting | Ordinary | Accidental | Ordinary | Accidental | Service <u>Retirement*</u> |
| 25 30 35 40 45 50 55 60 65 69 | .0980 .0570 .0370 .0300 .0220 .0220 | .00056 .00070 .00090 .00131 .00210 .00358 .00638 .01165 .01787 | .00006 .00008 .00009 .00010 .00015 .00023 .00040 .00071 .00129 .00199 | .0029 .0036 .0047 .0061 .0090 .0151 | .0003 .0004 .0005 .0007 .0010 .0017 | .2000 .2000 .2000 .4000 .3000 |

LAW ENFORCEMENT OFFICERS - FEMALES

| | | De | eath | Dis | ability | |
|--|--|--|--|--|---|---|
| <u>Age</u> | Withdrawal and Vesting | <u>Ordinary</u> | Accidental | Ordinary | Accidental | Service <u>Retirement*</u> |
| 25 30 35 40 45 50 55 60 65 | .0980 .0570 .0370 .0300 .0220 .0220 | .00026 .00030 .00041 .00059 .00083 .00118 .00187 .00347 .00686 | .00003 .00005 .00007 .00009 .00013 .00021 .00039 .00076 | .0029 .0036 .0047 .0061 .0090 .0151 | . 0003 .0004 .0005 .0007 .0010 .0017 | .2000 .2000 .2000 .4000 .3000 |

* An additional 40% are assumed to retire in the year when first eligible for unreduced service retirement. Special rates are used for early service retirement.

SALARY INCREASES: Representative values of the assumed annual rates of salary increases are as follows:

| | Annual Rate of Salary Increase | | | | | |
|-----|--------------------------------|-----------------------------|---------|------------------|--|--|
| Age | General <u>Employees</u> | Law Enforcement Officers | Service | Teachers | | |
| 25 | 10.28% | 9.70% | 0 | 14.73% | | |
| 30 | 6.17 | 7.20 | 5 | 10.38 | | |
| 35 | 5.22 | 5.87 | 10 | 6.86 | | |
| 40 | 5.08 | 5.30 | 15 | 6.65 | | |
| 45 | 4.98 | 4.96 | 20 | 6.43 | | |
| 50 | 4.77 | 4.50 | 25 | 6.34 | | |
| 55 | 4.50 | 4.50 | 30 | 6.29 | | |
| 60 | 4.50 | 4.50 | 35 | 5.90 | | |
| 64 | 4.50 | 4.50 | 40 | 4.50 | | |
| 65 | 4.50 | 4.50 | 45 | 4.50 | | |
| 69 | 4.50 | 4.50 | 50 | buckconsultants. | | |

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DEATH AFTER RETIREMENT: According to the 1994 Group Annuity Mortality Tables. These tables are not adjusted for male teachers, set forward one year for female teachers, set forward two years for general employees and law enforcement officers, and set forward two years for the beneficiaries of deceased members.

MORTALITY PROJECTION: All mortality rates are projected using Scale AA.

ADMINISTRATIVE EXPENSES: 0.10% of payroll.

MARRIAGE ASSUMPTION: 100% married with the husband four years older than his wife.

VALUATION METHOD: Entry age normal cost method. Entry age is established on an individual basis.

ASSET VALUATION METHOD: Actuarial value, as developed in Schedule A. The actuarial value of assets recognizes a portion of the difference between the market value of assets and the expected actuarial value of assets, based on the assumed valuation rate of return. The amount recognized each year is 20% of the difference between market value and expected actuarial value.



SCHEDULE C

SUMMARY OF MAIN BENEFIT AND CONTRIBUTION PROVISIONS

A summary of the main benefit provisions of the Retirement System and of the sources of revenue from which benefits are paid is presented in the following digest. Items in parentheses in the text are the provisions applicable to law enforcement officers.

"Average final compensation" as used in the summary means the average annual compensation during the four consecutive years of membership service which afford the highest such average. "Membership service" means service represented by regular contributions. "Prior service" means service prior to July 1, 1941 for which credit is allowed. "Creditable service" means the sum of prior service plus membership service. Creditable service may also include certain special purchased service.

Service Retirement Allowance

Condition for Allowance

Amount of Allowance

BENEFITS

A service retirement allowance is payable to any member who retires from service after he has attained age 60 and completed 5 years of membership service (age 55 and 5 years of creditable service) or completed 30 years of creditable service.

On service retirement on or after age 65 (55), or after age 60 and completion of 25 years of creditable service, or after completion of 30 years of creditable service, a member receives a retirement allowance equal to 1.82% of his average final compensation multiplied by the number of years of his creditable service.

If a member who is not a law enforcement officer has not attained age 65 or has not completed 25 or more years of creditable service at the time of his retirement, his allowance is reduced 1/4 of 1% for each month by which his age at retirement is less than age 65.

In no event will a member whose creditable service commenced on or before June 30, 1963 receive a smaller retirement allowance than he would have received under the benefit provisions of the system in effect on that date.



Early Service Retirement Allowance

Condition for Allowance

Amount of Allowance

Deferred Service Retirement Allowance

Return of Contributions

Survivor's Alternate Benefit

An early service retirement allowance is payable to any member who retires from service after he has attained age 50 and completed 20 (15) years of creditable service but prior to becoming eligible for a service retirement allowance.

The member's early service retirement allowance is equal to 1.82% of his average final compensation multiplied by the number of years of his creditable service at his date of retirement reduced by the lesser of:

(i) 5/12 (1/3) of 1% for each month by which his age is less than 60 (55), plus 1/4 of 1% for each month by which his age is less than 65.

(ii) 5% times the difference between 30 years and his creditable service at retirement.

Any member who separates from service prior to becoming eligible for a service retirement allowance or an early service retirement allowance after completing 5 or more years of membership service and who leaves his total accumulated contributions in the system may receive a deferred retirement allowance, beginning at age 60 (55), computed in the same way as a service retirement allowance, or, if the member has 20 or more years of service, at age 50 computed in the same way as an early service retirement allowance, on the basis of his creditable service and compensation to the date of separation.

Upon the withdrawal of a member without a retirement allowance and upon his request, his contributions are returned to him, together with accumulated regular interest thereon if he has at least 5 years of membership service.

Upon the death of a member before retirement, his contributions, together with the full accumulated regular interest thereon, are paid to his estate or to person(s) designated by the member unless the designated beneficiary, if eligible, elects the survivor's alternate benefit described below.

Upon the death of a member in service who has attained age 60(55) and has completed 5 years of membership (creditable) service or completed 20 years of creditable service, his designated beneficiary may elect to receive a benefit equal to that which would have been payable under the provisions of Option 2 had the member retired on the first day of the month following his death and elected such option, in lieu of the member's accumulated contributions, provided the member had not instructed the Board of

buckconsultants.

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Death After Retirement

Optional Arrangements at Retirement Trustees in writing that he did not wish the alternate benefit to apply.

Upon the death of a beneficiary who did not retire under an effective election of Option 2 or Option 3, an amount equal to the excess if any, of his accumulated contributions at retirement over the retirement allowance payments received is paid to a designated person or to the beneficiary's estate.

Upon the death of the survivor of a beneficiary who retired under an effective election of Option 2 or Option 3, an amount equal to the excess, if any, of the beneficiary's accumulated contributions at retirement over the total retirement allowance payments received is paid to such other person designated by the beneficiary or to the beneficiary's estate.

In lieu of the full retirement allowance, any member may elect to receive a reduced retirement allowance equal in value to the full allowance, with the provision that:

Option 1 - A member retiring prior to July 1, 1993, may elect that at his death within 10 years from his retirement date, an amount equal to his accumulated contributions at retirement, less 1/120 for each month he has received a retirement allowance, is paid to his estate, or to a person(s) designated by the member, or

Option 2 - At the death of the member his allowance shall be continued throughout the life of such other person as the member shall have designated at the time of his retirement, or

Option 3 - At the death of the member one-half of his allowance shall be continued throughout the life of such other person as the member shall have designated at the time of his retirement.

Option 4 - A member may elect to receive a retirement allowance in such amount that, together with his Social Security benefit, he will receive approximately the same income per annum before and after the earliest age at which he becomes eligible to receive the Social Security benefit.

Option 5 - A member retiring prior to July 1, 1993 may elect to receive a reduced retirement allowance under the provisions of Option 2 or Option 3 in conjunction with the provisions of Option 1.



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Option 6 - A member may elect either Option 2 or Option 3 with the added provision that in the event the designated beneficiary predeceases the member, the retirement allowance payable to the member after the designated beneficiary's death shall be equal to the retirement allowance which would have been payable had the member not elected the option.

Post-Retirement Increases in Allowances

By Members

By Employers

Future increases in allowances may be granted if the Consumer Price Index rises, provided the liabilities on account of such increases do not increase the total employer rate of contribution.

CONTRIBUTIONS

REGULAR CONTRIBUTIONS

Each member contributes 6% of his compensation.

Employers make annual contributions consisting of a normal contribution and an accrued liability contribution. The normal contribution covers the liability on account of current service and is determined by the actuary after each valuation.

The accrued liability contribution covers the liability on account of service rendered before the establishment of the retirement system and the liability on account of increases in benefits for service rendered prior to the effective date of any amendment.



SCHEDULE D

TABLE 1

THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS DISTRIBUTED BY AGE AS OF DECEMBER 31, 2005

| | | Men | | Women |
|-----|--------|-------------|--------|-------------|
| Age | Number | Amount | Number | Amount |
| 16 | 3 | \$32,949 | 3 | \$79,586 |
| 17 | | | 3 | 54,782 |
| 18 | 6 | 32,386 | 4 | 16,774 |
| 19 | 34 | 358,286 | 40 | 345,287 |
| 20 | 90 | 1,118,518 | 88 | 984,488 |
| 21 | 212 | 2,993,903 | 240 | 2,799,192 |
| 22 | 364 | 5,693,755 | 825 | 10,750,326 |
| 23 | 811 | 13,566,427 | 2,326 | 38,262,814 |
| 24 | 1,224 | 24,538,989 | 3,850 | 81,384,743 |
| 25 | 1,576 | 35,487,886 | 4,332 | 101,138,815 |
| 26 | 1,729 | 42,273,628 | 4,623 | 111,721,750 |
| 27 | 1,743 | 45,304,887 | 4,720 | 122,658,339 |
| 28 | 1,839 | 50,679,946 | 4,606 | 124,362,369 |
| 29 | 1,927 | 55,710,771 | 4,676 | 129,863,600 |
| 30 | 3,076 | 67,269,612 | 5,690 | 137,994,752 |
| 31 | 2,464 | 75,255,674 | 5,104 | 149,194,459 |
| 32 | 2,241 | 72,583,689 | 4,743 | 140,553,497 |
| 33 | 2,361 | 77,552,759 | 4,926 | 147,254,102 |
| 34 | 2,519 | 85,002,831 | 5,249 | 158,498,605 |
| 35 | 2,771 | 94,595,360 | 5,814 | 177,976,389 |
| 36 | 2,632 | 94,941,983 | 5,698 | 176,061,956 |
| 37 | 2,463 | 90,209,772 | 5,473 | 170,676,779 |
| 38 | 2,473 | 90,642,630 | 5,350 | 164,780,570 |
| 39 | 2,367 | 87,444,771 | 5,357 | 164,499,731 |
| 40 | 2,518 | 92,028,688 | 5,261 | 162,036,616 |
| 41 | 2,547 | 95,409,089 | 5,604 | 175,327,634 |
| 42 | 2,661 | 99,659,581 | 5,877 | 183,774,795 |
| 43 | 2,756 | 106,349,536 | 5,952 | 189,817,290 |
| 44 | 2,768 | 105,984,602 | 6,336 | 203,803,588 |
| 45 | 2,759 | 107,796,570 | 6,531 | 213,456,145 |
| 46 | 2,763 | 109,365,856 | 6,537 | 219,272,610 |
| 47 | 2,888 | 114,314,780 | 6,596 | 221,617,417 |
| 48 | 2,920 | 117,021,298 | 7,035 | 249,150,817 |
| 49 | 3,025 | 124,645,403 | 7,302 | 265,870,088 |
| 50 | 2,956 | 121,758,401 | 7,178 | 269,483,874 |
| 51 | 2,996 | 127,014,996 | 7,114 | 271,140,083 |
| 52 | 3,001 | 129,411,270 | 7,284 | 282,011,406 |

TABLE 1

THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS DISTRIBUTED BY AGE AS OF DECEMBER 31, 2005

CONTINUED

| | | Men | | Women |
|-----|---------|-----------------|---------|-----------------|
| Age | Number | Amount | Number | Amount |
| 53 | 2,950 | \$130,712,908 | 6,934 | \$272,651,560 |
| 54 | 2,883 | 129,246,246 | 6,472 | 255,301,026 |
| 55 | 2,734 | 120,468,397 | 5,974 | 232,765,717 |
| 56 | 2,555 | 112,078,157 | 5,482 | 210,985,483 |
| 57 | 2,579 | 112,340,884 | 5,148 | 197,725,174 |
| 58 | 2,471 | 107,803,123 | 4,891 | 185,827,327 |
| 59 | 2,446 | 111,825,114 | 4,970 | 189,192,097 |
| 60 | 1,656 | 72,678,665 | 3,269 | 123,956,374 |
| 61 | 1,539 | 67,363,626 | 2,535 | 95,126,526 |
| 62 | 1,254 | 56,609,807 | 2,138 | 77,919,664 |
| 63 | 960 | 44,257,817 | 1,605 | 57,574,293 |
| 64 | 655 | 31,587,404 | 1,003 | 36,250,590 |
| 65 | 532 | 24,620,221 | 746 | 26,533,149 |
| 66 | 359 | 17,530,657 | 450 | 15,298,690 |
| 67 | 276 | 12,282,506 | 350 | 11,739,518 |
| 68 | 222 | 9,529,167 | 254 | 7,880,870 |
| 69 | 166 | 7,462,999 | 204 | 6,621,633 |
| 70 | 137 | 5,238,210 | 143 | 4,002,134 |
| 71 | 119 | 5,094,620 | 130 | 3,919,380 |
| 72 | 95 | 3,737,218 | 76 | 2,327,769 |
| 73 | 64 | 2,455,337 | 72 | 1,985,323 |
| 74 | 54 | 2,218,747 | 36 | 1,056,671 |
| 75 | 48 | 2,149,808 | 43 | 1,340,467 |
| 76 | 1 | 77,250 | | |
| 77 | 1 | 45,624 | | |
| 78 | | | | |
| 79 | | | | |
| 80 | | | | |
| 81 | | | | |
| 82 | | | 1 | 44,951 |
| 83 | | | | |
| 84 | 1 | 70,443 | | |
| 85 | | | | |
| 86 | | | | |
| 87 | | | | |
| 88 | | | | |
| 89 | | | | |
| | | | | |
| | 100,240 | \$3,753,536,437 | 221,273 | \$7,236,702,454 |
| | | | | |

SCHEDULE D

TABLE 2

THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS DISTRIBUTED BY SERVICE AS OF DECEMBER 31, 2005

Years

| of | | Men | | Women |
|---------|--------|---------------|--------|--------------|
| Service | Number | Amount | Number | Amount |
| | | | | |
| 0 | 5,087 | \$36,122,791 | 9,860 | \$68,796,279 |
| 1 | 11,383 | \$261,686,822 | 25,403 | 511,980,016 |
| 2 | 8,618 | 266,194,042 | 18,612 | 511,892,787 |
| 3 | 6,843 | 228,405,244 | 14,939 | 435,091,436 |
| 4 | 5,386 | 186,716,955 | 12,755 | 381,245,217 |
| 5 | 5,650 | 199,987,218 | 13,353 | 407,011,738 |
| 6 | 5,059 | 183,045,046 | 12,264 | 375,742,817 |
| 7 | 4,564 | 168,704,388 | 11,045 | 349,849,955 |
| 8 | 4,124 | 159,131,084 | 9,751 | 320,781,787 |
| 9 | 3,702 | 143,842,411 | 9,119 | 308,449,350 |
| 10 | 3,235 | 131,791,907 | 6,966 | 244,986,964 |
| 11 | 3,132 | 128,320,263 | 6,591 | 237,428,146 |
| 12 | 3,242 | 133,723,954 | 5,937 | 219,507,631 |
| 13 | 2,537 | 110,525,799 | 5,417 | 206,685,254 |
| 14 | 2,423 | 105,146,280 | 4,723 | 184,977,472 |
| 15 | 1,973 | 88,635,760 | 4,041 | 161,992,687 |
| 16 | 2,291 | 100,618,241 | 4,786 | 191,494,163 |
| 17 | 2,173 | 95,912,608 | 5,050 | 201,014,940 |
| 18 | 1,991 | 94,007,054 | 4,516 | 187,057,734 |
| 19 | 1,734 | 84,973,153 | 3,578 | 154,454,388 |
| 20 | 1,581 | 80,982,931 | 3,482 | 152,296,604 |
| 21 | 1,693 | 84,796,906 | 3,542 | 156,658,137 |
| 22 | 1,596 | 81,335,348 | 3,128 | 143,385,785 |
| 23 | 1,277 | 67,060,513 | 2,357 | 110,725,056 |
| 24 | 1,120 | 58,785,296 | 2,373 | 112,935,223 |
| 25 | 1,047 | 56,636,475 | 2,607 | 121,652,562 |
| 26 | 1,167 | 65,186,487 | 2,935 | 137,353,974 |
| 27 | 1,230 | 69,965,899 | 3,055 | 150,885,776 |
| 28 | 1,151 | 66,688,840 | 2,754 | 140,431,200 |
| 29 | 918 | 54,208,955 | 2,263 | 118,970,754 |
| 30 | 547 | 34,556,727 | 1,394 | 76,628,644 |
| 31 | 404 | 26,624,855 | 862 | 49,504,289 |
| 32 | 357 | 22,812,672 | 662 | 37,078,111 |
| 33 | 260 | 17,240,138 | 371 | 21,490,957 |
| 34 | 209 | 15,612,464 | 243 | 13,927,414 |
| 35 | 135 | 9,924,453 | 171 | 10,362,178 |
| 36 | 124 | 10,242,684 | 115 | 7,047,683 |

TABLE 2

THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS DISTRIBUTED BY AGE AS OF DECEMBER 31, 2005

CONTINUED

| ¥. | | | | |
|-------------|-------------|-----------------|---------|-----------------|
| Years of | | Men | Wo | men |
| Service | Number | Amount | Number | Amount |
| 37 | 80 | \$6,529,099 | 69 | \$4,345,671 |
| 38 | 66 | 5,679,006 | 54 | 3,205,059 |
| 39 | 42 | 3,438,394 | 42 | 2,380,291 |
| 40 | 27 | 2,341,147 | 24 | 1,269,660 |
| 41 | 18 | 1,584,773 | 17 | 1,029,328 |
| 42 | 14 | 1,218,509 | 7 | 373,907 |
| 43 | 9 | 939,109 | 10 | 593,432 |
| 44 | 7 | 665,955 | 7 | 381,648 |
| 45 | | 452,536 | 8 | 405,948 |
| 46 | 6 3 1 | 184,387 | 1 | 73,123 |
| 47 | 1 | 45,624 | 1 | 32,294 |
| 48 | 1 | 109,811 | 3 | 152,031 |
| 49 | | | 4 | 395,329 |
| 50 | 1 | 89,486 | 1 | 62,551 |
| 51 | | | 2 | 84,522 |
| 52 | | | | |
| 53 | 1 | 35,495 | 2 | 108,818 |
| 54 | | | | |
| 55 | 1 | 70,443 | | |
| 56 | | | 1 | 33,734 |
| Total | 100,240 | \$3,753,536,437 | 221,273 | \$7,236,702,454 |
| | | | | |



SCHEDULE D

TABLE 3

THE DISTRIBUTION OF THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES AND SURVIVORS BY AGE AS OF DECEMBER 31, 2005

SERVICE RETIREMENTS AND DEPENDENTS OF DECEASED BENEFICIARIES

| | | Men | (8 | Women |
|----------|----------------|--------------------------|----------------|--------------------------|
| Age | Number | Amount | Number | Amount |
| 25 | 30 | \$297,146 | 16 | \$131,886 |
| 26 | 2 | 34,388 | 2 | 18,681 |
| 27 | 5 | 73,315 | 3 | 37,859 |
| 28 | 9 | 105,185 | 1 | 8,623 |
| 29 | 8 | 125,368 | 8 | 114,676 |
| 30 | 5 | 79,567 | 4 | 54,654 |
| 31 | 7 | 57,528 | 3 | 67,326 |
| 32 | 7 | 70,019 | 3 | 15,502 |
| 33 | 7 | 78,266 | 2 | 14,103 |
| 34 | 17 | 197,561 | 4 | 36,983 |
| 35 | 14 | 103,204 | 5 | 66,630 |
| 36 | 11 | 90,159 | 7 | 108,840 |
| 37 | 14 | 171,732 | 8 | 74,437 |
| 38 | 11 | 105,513 | 8 | 84,413 |
| 39 | 18 | 130,848 | 8 | 49,103 |
| 40 | 25 | 233,736 | 15 | 176,992 |
| 41 | 22 | 218,467 | 10 | 89,345 |
| 42 | 23 | 210,573 | 10 | 92,244 |
| 43 | 29 | 240,756 | 17 | 154,889 |
| 44 | 26 | 156,023 | 15 | 181,338 |
| 45 | 35 | 315,906 | 20 | 276,368 |
| 46 | 28 | 227,589 | 13 | 153,001 |
| 47 | 29 | 295,725 | 30 | 260,148 |
| 48 | 40 | 477,550 | 25 | 288,133 |
| 49 | 69 | 1,437,261 | 58 | 1,031,927 |
| 50 | 122 | 2,535,050 | 116 | 2,377,595 |
| 51 | 245 | 5,339,679 | 337 | 7,427,939 |
| 52 | 358 | 8,603,580 | 609 | 15,085,181 |
| 53 | 491 | 12,867,325 | 1,093 | 29,378,232 |
| 54 | 643 | 17,760,958 | 1,395 | 39,078,749 |
| 55 | 789 | 22,336,314 | 1,704 | 48,415,334 |
| 56 | 960 | 28,136,401 | 1,871 | 52,015,170 |
| 57 | 1,095 | 33,839,947 | 2,104 | 57,921,842 |
| 58 | 1,299 | 39,810,578 | 2,259 | 60,768,141 |
| 59 | 1,621 | 48,693,709 | 2,580 | 68,983,662 |
| 60 | 1,191 | 35,499,921 | 2,026 | 50,077,199 |
| 61 | 1,336 | 38,562,765 | 2,591 | 56,939,292 |
| 62 | 1,453 1,804 | 37,021,890 41,935,389 | 3,027 | 60,925,321 |
| 63 64 | 1,644 | 36,011,500 | 3,607 3,265 | 63,890,736 55,334,848 |
| 04 | 1,044 | 30,011,300 | 5,205 | 55,354,040 |



TABLE 3

THE DISTRIBUTION OF THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES AND SURVIVORS BY AGE AS OF DECEMBER 31, 2005

SERVICE RETIREMENTS AND DEPENDENTS OF DECEASED BENEFICIARIES

CONTINUED

| | | Men | Wome | en |
|-----|--------|--------------|--------|--------------|
| Age | Number | Amount | Number | Amount |
| 65 | 1,648 | \$35,611,339 | 3,300 | \$54,232,492 |
| 66 | 1,720 | 35,776,440 | 3,317 | 52,351,814 |
| 67 | 1,778 | 36,701,229 | 3,146 | 48,864,855 |
| 68 | 1,693 | 34,521,794 | 3,187 | 47,722,941 |
| 69 | 1,570 | 32,665,013 | 2,974 | 44,666,026 |
| 70 | 1,588 | 33,639,368 | 2,975 | 43,776,505 |
| 71 | 1,493 | 30,462,475 | 2,928 | 42,586,946 |
| 72 | 1,426 | 30,248,382 | 2,534 | 35,276,084 |
| 73 | 1,361 | 28,258,517 | 2,553 | 35,767,719 |
| 74 | 1,355 | 28,184,162 | 2,488 | 33,776,305 |
| 75 | 1,314 | 27,895,290 | 2,451 | 34,109,558 |
| 76 | 1,258 | 26,390,813 | 2,288 | 31,332,949 |
| 77 | 1,133 | 23,064,480 | 2,257 | 28,961,174 |
| 78 | 1,027 | 20,436,975 | 2,175 | 27,736,149 |
| 79 | 974 | 18,629,145 | 2,016 | 25,601,649 |
| 80 | 875 | 17,204,992 | 1,900 | 22,851,523 |
| 81 | 811 | 15,236,287 | 1,801 | 20,560,657 |
| 82 | 672 | 12,130,668 | 1,620 | 18,228,307 |
| 83 | 629 | 10,993,188 | 1,440 | 16,605,913 |
| 84 | 522 | 10,555,251 | 1,472 | 16,178,198 |
| 85 | 549 | 9,424,620 | 1,308 | 14,857,110 |
| 86 | 385 | 6,157,918 | 1,186 | 12,476,951 |
| 87 | 347 | 5,647,681 | 972 | 10,194,145 |
| 88 | 244 | 3,851,561 | 850 | 9,173,410 |
| 89 | 205 | 3,110,092 | 733 | 7,865,749 |
| 90 | 161 | 2,341,703 | 628 | 6,739,340 |
| 91 | 125 | 1,829,361 | 545 | 6,627,911 |
| 92 | 104 | 1,671,301 | 475 | 5,331,858 |
| 93 | 63 | 937,450 | 369 | 4,392,211 |
| 94 | 38 | 478,883 | 268 | 3,272,946 |
| 95 | 34 | 380,840 | 217 | 2,535,137 |
| 96 | 25 | 351,320 | 162 | 2,090,678 |
| 97 | 24 | 243,472 | 126 | 1,614,897 |
| 98 | 5 | 38,733 | 95 | 1,130,976 |
| 99 | 6 | 57,767 | 61 | 741,187 |
| 100 | 7 | 96,133 | 50 | 571,657 |



TABLE 3

THE DISTRIBUTION OF THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES AND SURVIVORS BY AGE AS OF DECEMBER 31, 2005

SERVICE RETIREMENTS AND DEPENDENTS OF DECEASED BENEFICIARIES

CONTINUED

| | Men | | Women | |
|----------------|-----------|---------------|--------|-----------------|
| Aç | ge Number | Amount | Number | Amount |
| 10 | 01 2 | \$48,536 | 30 | \$375,502 |
| 10 |)2 1 | 23,753 | 21 | 234,012 |
| 10 | 03 1 | 68,997 | 13 | 164,500 |
| 10 |)4 | | 4 | 43,774 |
| 10 |)5 1 | 3,164 | 2 | 13,015 |
| 10 | 06 | | 1 | 1,889 |
| Total | 42,716 | \$959,857,486 | 85,817 | \$1,443,843,965 |
| Maximum | 11,635 | 252,904,647 | 39,608 | 637,812,046 |
| Cash Refund | 2,655 | 52,712,571 | 9,895 | 128,382,124 |
| 100% J&S | 7,079 | 155,034,882 | 2,473 | 31,623,755 |
| 50% J&S | 3,465 | 87,869,269 | 1,966 | 34,537,810 |
| Soc Sec Level | 7,582 | 194,313,314 | 16,417 | 379,459,895 |
| Odd Surv | 25 | 850,988 | 15 | 289,589 |
| 100% J&S Popup | 4,729 | 108,774,762 | 3,141 | 52,384,140 |
| 50% J&S Popup | 3,096 | 84,864,150 | 3,863 | 76,613,943 |
| Beneficiaries | 2,450 | 22,532,903 | 8,439 | 102,740,663 |



SCHEDULE D

TABLE 4

THE DISTRIBUTION OF THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES AND SURVIVORS BY AGE AS OF DECEMBER 31, 2005

DISABILITY RETIREMENTS

| | | Men | , | Women |
|-----|--------|-----------|--------|-----------|
| Age | Number | Amount | Number | Amount |
| | | | | |
| 41 | 1 | \$7,486 | | |
| 42 | 1 | 18,626 | 1 | 13,771 |
| 43 | 1 | 13,629 | 1 | 11,032 |
| 44 | 5 | 83,106 | 3 | 38,860 |
| 45 | 3 | 42,533 | 13 | 187,818 |
| 46 | 4 | 66,953 | 8 | 97,965 |
| 47 | 10 | 159,486 | 19 | 281,416 |
| 48 | 26 | 548,385 | 18 | 372,276 |
| 49 | 25 | 515,094 | 33 | 567,045 |
| 50 | 41 | 868,398 | 65 | 1,291,124 |
| 51 | 45 | 949,594 | 74 | 1,734,224 |
| 52 | 54 | 1,197,684 | 76 | 1,745,539 |
| 53 | 53 | 1,160,333 | 112 | 2,757,705 |
| 54 | 56 | 1,481,046 | 138 | 3,485,304 |
| 55 | 62 | 1,467,267 | 149 | 3,669,680 |
| 56 | 80 | 1,792,032 | 138 | 3,529,984 |
| 57 | 74 | 1,617,648 | 155 | 3,799,305 |
| 58 | 107 | 2,417,827 | 155 | 3,635,631 |
| 59 | 116 | 2,804,450 | 175 | 3,766,012 |
| 60 | 86 | 1,895,427 | 134 | 2,837,279 |
| 61 | 74 | 1,478,145 | 147 | 2,808,222 |
| 62 | 64 | 1,277,646 | 154 | 2,802,797 |
| 63 | 77 | 1,668,008 | 158 | 3,067,204 |
| 64 | 83 | 1,570,155 | 147 | 2,559,098 |
| 65 | 73 | 1,391,552 | 131 | 2,009,790 |
| 66 | 90 | 1,662,215 | 117 | 1,745,082 |
| 67 | 55 | 916,583 | 124 | 1,790,923 |
| 68 | 56 | 940,713 | 135 | 2,008,090 |
| 69 | 51 | 964,699 | 80 | 1,133,409 |
| 70 | 68 | 1,084,795 | 99 | 1,330,878 |
| 71 | 54 | 920,749 | 84 | 1,261,127 |
| 72 | 52 | 789,725 | 89 | 1,137,507 |
| 73 | 47 | 797,447 | 76 | 919,386 |
| 74 | 38 | 576,801 | 69 | 838,180 |
| 75 | 37 | 571,213 | 62 | 799,169 |
| 76 | 43 | 643,628 | 73 | 905,810 |
| 77 | 37 | 520,116 | 77 | 922,594 |
| 78 | 39 | 494,575 | 69 | 792,230 |
| 79 | 38 | 466,381 | 75 | 803,937 |
| 80 | 45 | 593,352 | 71 | 771,082 |
| | | | | |



TABLE 4

THE DISTRIBUTION OF THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES AND SURVIVORS BY AGE AS OF DECEMBER 31, 2005

DISABILITIY RETIREMENTS

CONTINUED

| | Men | | | Women | |
|----------------|------------------|--|--------|---------------|--|
| Age | Number | Amount | Number | Amount | |
| 81 | 40 | \$598,663 | 63 | \$522,792 | |
| 82 | 29 | 367,782 | 62 | 750,215 | |
| 83 | 44 | 610,373 | 63 | 630,045 | |
| 84 | 27 | 367,768 | 42 | 466,010 | |
| 85 | 19 | 270,721 | 50 | 539,071 | |
| 86 | 13 | 257,479 | 40 | 433,484 | |
| 87 | 19 | 196,023 | 26 | 244,030 | |
| 88 | 15 | 214,923 | 31 | 392,769 | |
| 89 | 6 | 46,923 | 27 | 297,291 | |
| 90 | 7 | 71,500 | 24 | 267,920 | |
| 91 | 2 | 35,785 | 14 | 152,069 | |
| 92 | 3 | 25,744 | 13 | 128,370 | |
| 93 | 3 2 3 2 | 42,697 | 11 | 99,348 | |
| 94 | 3 | 17,804 | 7 | 97,778 | |
| 95 | 2 | 27,814 | | | |
| 96 | 1 | 19,078 | 2 | 23,739 | |
| 97 | | | 1 | 17,699 | |
| 98 | | | 1 | 6,188 | |
| 99 | | | 1 | 8,690 | |
| 100 | | | 1 | 13,228 | |
| Total | 2,203 | \$41,606,578 | 3,983 | \$69,319,219 | |
| Maximum | 1,211 | 26,188,743 | 2,794 | 53,676,708 | |
| Cash Refund | 314 | 4,835,010 | 791 | 9,718,971 | |
| 100% J&S | 174 | 2,142,481 | 86 | 980,533 | |
| 50% J&S | 240 | 3,560,514 | 107 | 1,344,576 | |
| Soc Sec Level | 14 | 392,988 | 26 | 698,826 | |
| Odd Surv | | 10000000000000000000000000000000000000 | 2 | 30,167 | |
| 100% J&S Popup | 69 | 989,276 | 44 | 597,254 | |
| 50% J&S Popup | 181 | 3,497,564 | 133 | 2,272,185 | |
| e 12 | | | | 17 C 8 C 2223 | |

