#### ANNUAL STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2007 OF THE CONDITIONS AND AFFAIRS OF Andover Contributory Retirement Board

## Organized under the Laws of the Commonwealth of Massachusetts to the PUBLIC EMPLOYEE RETIREMENT ADMINISTRATION COMMISSION

Date of Certificate: 07/01/1937 Effective Date: 07/01/1937

#### **Administration Office**

Town Offices 36 Bartlet Street

Andover, MA 01810-3882

Telephone Number 978-623-8209

We, the undersigned, members of the Board of Retirement of Andover Contributory Retirement Board certify under the penalties of perjury, that we are the official board members of said retirement system, and that assets were the absolute property of said systems, free and clear from any liens or claims thereon, except as stated, and the following statements, with the schedules and explanations therein contained, annexed, or referred to, are a full and correct exhibit of all the assets, liabilities, income and disbursements, changes in fund balances and of the conditions and affairs of the said retirement system on the said thirty-first day of December last, and for the year ended on that date, according to the best of our information, knowledge and belief, respectively.

| BOARD OF RETIREMENT                          | Ex-Officio Member                       | OL ACI                                   |
|--|---|--|
| Please Identify the                          | RODNEY P. SMITH                         | Ko Upay, J Frist<br>(signature)          |
| Name of the Board<br>Member who serves       | Appointed Member                        | (signature)<br>Term Expires / 06/30/2009 |
| as Chairperson by                            | JOHN C. DOHERTY                         | (signature)                              |
| Inserting the title<br>next to his/her name. | Elected Member                          | Term Expires 12/04/2008                  |
|  | JAMES A. CUTICCHIA, CHAIRPERSON         | (signature)                              |
|  | Elected Member                          | Terrh Expires 11/05/2010                 |
|  | ELENA M. KOTHMAN                        | Clena M. Kotkman                         |
|  | Member Appointed by Other Members       | Term Expires 11                          |
|  | VACANT                                  |  |
|  |   | (signature)                              |
| INVESTMENT MANAGERS                          | PRIT FUND                               | 84 STATE ST, STE 250, BOSTON, MA 02109   |
| Please compile/submit                        | Name                                    | Address                                  |
| a complete list. Attach                      |   |  |
| the list to this page.                       | Name                                    | Address                                  |
|  | *************************************** |  |
|  | Name                                    | Address                                  |
| INVESTMENT CONSULTANT                        |   |  |
|  | Name                                    | Address                                  |
|  |   |  |
| CUSTODIAN                                    |   |  |
|  | Name                                    | Address                                  |

## Annual Statement of the Andover Contributory Retirement Board for the year ended December 31,2007 ANNUAL STATEMENT BALANCE TESTS

### 1. ASSET BALANCE

|    | Assets Previous Year       | 96,348,279.39 |
|----|----------------------------|---------------|
|    | Income Current Year        | 10,066,441.44 |
|    | Disbursements Current Year | 8,380,572.90  |
|    | Assets Current Year        | 98,034,147.93 |
| 2. | ASSET DIFFERENCE           |               |
|    | Assets Current Year        | 98,034,147.93 |
|    | Assets Previous Year       | 96,348,279.39 |
|    | Difference                 | 1,685,868.54  |
| 3, | INCOME DIFFERENCE          |               |

| Income Current Year        | 10,066,441.44 |
|----------------------------|---------------|
| Disbursements Current Year | 8,380,572.90  |
| Difference                 | 1,685,868.54  |

## 4. FUND CHANGE DIFFERENCE

| Total Fund Change Credits Current Year | 11,297,378.95 |
|--|---------------|
| Total Fund Chage Debits Current Year   | 9,611,510.41  |
| Difference                             | 1,685,868.54  |

NOTE: THE SUMS OF TESTS 2,3, AND 4 SHOULD BE THE SAME.

### Andover Contributory Retirement Board Accounting File Interest Posted to the Annuity Reserve

| <b>H</b> #      | (Debits)  | <b>D</b> _1 | Balance  |
|-----------------|-----------|-------------|----------|
| Month           | Credits   | Balance     | <u> </u> |
| January 1st     | *         | 7077091.77  | 17692.73 |
| January 31st    | 66698.98  | 7143790.75  | 17859.48 |
| February 28 th  | -78040.36 | 7065750.39  | 17664.38 |
| March 31st      | -49829.08 | 7015921.31  | 17539.80 |
| April 30 th     | 59408.39  | 7075777.12  | 17688.32 |
| May 31st        | 447.42    | 7031007.56  | 17689.44 |
| June 30 th      | -44769.56 | 7364570.89  | 17577.52 |
| July 31st       | 333563.33 | 7331306.37  | 18411.43 |
| August 31st     | -33264.52 | 7250011.62  | 18328.27 |
| September 30 th | -81296.99 | 7167804.32  | 18125.03 |
| October 31st    | -82207.30 | 7213361.25  | 17919.51 |
| November 30th   | 45556.93  | 7342521.74  | 18033.40 |

214529.31

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| Interest Posted to Military Reserve Fund | 8.85       |
|--|------------|
| Interest Posted to Members Account       | 155,806.09 |

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## Annual Statement of the Andover Contributory Retirement Board for the year ended December 31, 2007

### Assets and Liabilities

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| -  | 2007<br>End Balance | 2006<br>End Balance | 2005<br>End Balance |
|--|---------------------|---------------------|---------------------|
| 1040 - 1049 Cash                                   | 503,235.62          | 2,701,182.03        | 388,303.09          |
| 1100 - Short Term Investments                      | 0.00                | 0.00                | 0.00                |
| 1180 - Fixed Income Sec (book value)               | 0.00                | 0.00                | 0.00                |
| 1170 - Equities                                    | 0.00                | 0.00                | 0.00                |
| 1101 - Pooled Short Term Funds                     | 0.00                | 0.00                | 0.00                |
| 1172 - Pooled Domestic Equity Funds                | 0.00                | 41,758,104.21       | 41,905,566.49       |
| 1173 - Pooled International Equity Funds           | 0.00                | 14,847,471.87       | 9,078,638.07        |
| 1174 - Pooled Global Equity Funds                  | 0.00                | 0.00                | 0.00                |
| 1181 - Pooled Domestic Fixed Income Funds          | 0.00                | 21,853,361.70       | 24,367,259.07       |
| 1182 - Pooled International Fixed Income Funds     | 0.00                | 0.00                | 0.00                |
| 1183 - Pooled Global Fixed Income Funds            | 0.00                | 0.00                | 0.00                |
| 1193 - Pooled Alternative Investments              | 0.00                | 0.00                | 0.00                |
| 1194 - Pooled Real Estate Funds                    | 0.00                | 10,716,571.30       | 8,675,015.83        |
| 1195 - Pooled Domestic Balanced Funds              | 0.00                | 0.00                | 0.00                |
| 1196 - Pooled International Balanced Funds         | 0.00                | 0.00                | 0.00                |
| 1198 - PRIT Cash                                   | 95,199,050.79       | 0.00                | 0.00                |
| 1199 - PRIT Fund                                   | 0.00                | 4,514,464.21        | 0.00                |
| 1550 - Interest Due & Accrued Fixed Inc Sec Cur Yr | 0.00                | 11,177.94           | 201.67              |
| 1398 - Accounts Receivable (A)                     | 2,345,853.28        | 6,402.17            | 212,201.36          |
| 2020 - Accounts Payable (A)                        | -13,991.76          | -60,456.04          | -39,392.31          |
| Total  | 98,034,147.93       | 96,348,279.39       | 84,587,793.27       |
| Funds :  |                     |                     |                     |
| 3293 - Annuity Savings Fund                        | 27,889,053.24       | 26,745,220.34       | 25,548,059.67       |
| 3294 - Annuity Reserve Fund                        | 7,559,767.09        | 7,077,091.77        | 6,457,377.22        |
| 3295 - Military Service Fund                       | 1,483.97            | 1,475.12            | 10,875.01           |
| 3296 - Pension Fund                                | 1,409,941.75        | 2,865,063.95        | 4,179,827.05        |
| 3298 - Expense Fund                                | 0.00                | 0.00                | 0.00                |
| 3297 - Pension Reserve Fund                        | 61,173,901.88       | 59,659,428.21       | 48,391,654.32       |
| Total Assets at Market Value                       | 98,034,147.93       | 96,348,279.39       | 84,587,793.27       |

(A) Detail for Accounts Receivable and Accounts Payable are to be placed on Schedule A

# Annual Statement of the Andover Contributory Retirement Board for the year ended December 31, 2007

|                       | Balance December 31<br>2006 | Receipts      | Interfund<br>Transfers | Disbursements | Balance December 31<br>2007 |
|-----------------------|-----------------------------|---------------|------------------------|---------------|-----------------------------|
|                       |                             |               |                        |               |                             |
| Annuity Savings Fund  | 26,745,220.34               | 3,067,652.28  | -1,228,221.47          | 695,597.91    | 27,889,053.24               |
| Annuity Reserve Fund  | 7,077,091.77                | 214,529.31    | 1,230,937.51           | 962,791.50    | 7,559,767.09                |
| Pension Fund          | 2,865,063.95                | 4,663,892.35  | 0.00                   | 6,119,014.55  | 1,409,941.75                |
| Military Service Fund | 1,475.12                    | 8.85          | 0.00                   | 0.00          | 1,483.97                    |
| Expense Fund          | 0.00                        | 603,168.94    | 0.00                   | 603,168.94    | 0.00                        |
| Pension Reserve Fund  | 59,659,428.21               | 1,517,189.71  | -2,716.04              | 0.00          | 61,173,901.88               |
| TOTAL ALL FUNDS:      | 96,348,279.39               | 10,066,441.44 | 0.00                   | 8,380,572.90  | 98,034,147.93               |

## List Below all Transfers:

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| Transfer from 3293 | Fund to the 3294 | Fund in the Amount of | 1,228,221.47 | on account of | RETIREMENTS               |
|--------------------|------------------|-----------------------|--------------|---------------|---------------------------|
| Transfer from 3297 | Fund to the 3294 | Fund in the Amount of | 2,716.04     | on account of | 06 ANN RES CALC INCORRECT |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |
| Transfer from      | Fund to the      | Fund in the Amount of |              | on account of |                           |

### RECEIPTS

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|   | 2007          | 2006          | 2005          |
|---|---------------|---------------|---------------|
| 1. Annuity Savings Fund :                     |               |               |               |
| (a) 4891 - Members Deductions                 | 2,774,371.27  | 2,657,366.47  | 2,460,822.58  |
| (b) 4892 - Transfers From Other               | 71,210.22     | 261,078.34    | 265,242.34    |
| (c) 4893 - Make Up and Redeposit Payments     | 54,302.77     | 83,308.51     | 84,895.19     |
| (d) 4900 - Member Payments from Rollovers     | 11,961.93     | 0.00          | 0.00          |
| (e) Investment Income Cr to Members A/C       | 155,806.09    | 147,963.61    | 139,007.64    |
| Subtotal                                      | 3,067,652.28  | 3,149,716.93  | 2,949,967.75  |
| 2. Annuity Reserve Fund :                     |               |               |               |
| (a) Investment Income Cr to Annuity Res Fd    | 214,529.31    | 194,629.92    | 192,038.02    |
| Subtotal                                      | 214,529.31    | 194,629.92    | 192,038.02    |
| 3. Pension Fund :                             |               |               |               |
| (a) 4898 - 3(8) (c) Reimburse from Other Sys  | 123,082.16    | 129,787.03    | 107,141.97    |
| (b) 4899 - Rec'd from State for COLA & Surviv | 156,758.19    | 130,628.55    | 308,970.46    |
| (c) 4894 - Pension Fund Appropriation         | 4,384,052.00  | 4,100,686.00  | 3,953,830.00  |
| Subtotal                                      | 4,663,892.35  | 4,361,101.58  | 4,369,942.43  |
| 4. Military Service Fund :                    |               |               |               |
| (a) 4890 - Military Serv Contr from Municipal | 0.00          | 0.00          | 0.00          |
| (b) Invest Inc Credited Military Ser Fd       | 8.85          | 8.80          | 64.86         |
| Subtotal                                      | 8.85          | 8.80          | 64.86         |
| 5. Expense Fund :                             |               |               |               |
| (a) 4896 - Expense Fund Appropriation         | 0.00          | 0.00          | 0.00          |
| (b) Investment Income Cr to Expense Fund      | 603,168.94    | 533,790.93    | 383,627.29    |
| Subtotal                                      | 603,168.94    | 533,790.93    | 383,627.29    |
| 6. Pension Reserve Fund :                     |               |               |               |
| (a) 4897 - Federal Grant Reimbursement        | 0.00          | 0.00          | 0.00          |
| (b) 4895 - Pension Reserve Appropriation      | 0.00          | 0.00          | 0.00          |
| (c) 4822 - Interest not Refunded:             | 2,508.89      | 4,027.31      | 2,361.21      |
| (d) 4825 - Misc. Income                       | 3,574.18      | 0.00          | 9,000.00      |
| (e) Excess Investment Income                  | 1,511,106.64  | 11,252,960.13 | 4,568,611.96  |
| Subtotal                                      | 1,517,189.71  | 11,256,987.44 | 4,579,973.17  |
| TOTAL RECEIPTS                                | 10,066,441.44 | 19,496,235.60 | 12,475,613.52 |

# Annual Statement of the Andover Contributory Retirement Board for the year ended December 31, 2007

### Disbursements

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|   | _          | 2007         | 2006         | 2005                     |
|---|------------|--------------|--------------|--------------------------|
| 1. Annuity Savings Fund :                   |            |              |              |                          |
| (a) 5757 - Refunds To Members               |            | 289,731.84   | 435,637.50   | 160,478.31               |
| (b) 5756 - Transfers To Other Systems :     |            | 405,866.07   | 195,170.67   | 15,199.30                |
|   | Subtotal   | 695,597.91   | 630,808.17   | 175,677.61               |
| 2. Annuity Reserve Fund :                   |            |              |              | - <b>,</b> - · · · · - · |
| (a) 5750 - Annuities Paid                   |            | 962,791.50   | 865,607.46   | 796,802.77               |
| (b) 5759 - Option B Refunds                 |            | 0.00         | 20,269.55    | 91,775.27                |
|   | Subtotal - | 962,791.50   | 885,877.01   | 888,578.04               |
| 3. Pension Fund :                           |            |              |              |                          |
| (a) 5751 - Pensions Paid                    |            | 0.00         | 0.00         | 0.00                     |
| Regular Pension Payments                    |            | 4,520,162.01 | 4,075,576.09 | 3,824,774.49             |
| Survivorship Payments                       |            | 349,498.07   | 316,973.51   | 288,146.87               |
| Ordinary Disability Payments                |            | 95,314.80    | 94,349.10    | 87,184.32                |
| Accidental Disability Payments              | •          | 901,830.98   | 944,410.55   | 850,198.49               |
| Accidental Death Payments                   |            | 136,575.36   | 116,483.20   | 64,035.60                |
| Section 101 Benefits                        |            | 0.00         | 0.00         | 0.00                     |
| (b) 5755 - 3 (8) (c) Reimb To Other Sys     |            | 115,633.33   | 128,072.23   | 80,375.27                |
| (c) 5752 - COLA's Paid                      |            | 0.00         | 0.00         | 0.00                     |
| (d) 5753 - Chapter 389 Ben Increase Pd      |            | 0.00         | 0.00         | 0.00                     |
|   | Subtotal   | 6,119,014.55 | 5,675,864.68 | 5,194,715.04             |
| 4. Military Service Fund :                  |            |              |              |                          |
| (a) 4890 - Return to Municipality for Membe | ers who    | 0.00         | 9,408.69     | 0.00                     |
| withdrew their fund                         |            |              |              |                          |
|   | Subtotal   | 0.00         | 9,408.69     | 0.00                     |
| 5. Expense Fund :                           |            |              |              |                          |
| (a) 5118 Board Member Stipend               |            | 6,000.00     | 0.00         | 0.00                     |
| (b) 5119 - Salaries                         |            | 72,117.95    | 71,454.87    | 67,268.31                |
| (c) 5304 - Management Fees                  |            | 432,415.18   | 378,588.87   | 234,331.64               |
| (d) 5305 - Custodial Fees                   |            | 10,031.51    | 9,940.04     | 14,386.45                |
| (e) 5307 - Investment Consultant Fees       |            | 38,050.00    | 40,000.00    | 40,000.00                |
| (f) 5308 - Legal Expenses                   |            | 5,313.00     | 2,794.00     | 7,594.33                 |
| (g) 5309 - Medical Expenses                 |            | 0.00         | 0.00         | 0.00                     |
| (h) 5310 - Fiduciary Insurance              |            | 5,163.00     | 4,711.92     | 4,543.32                 |
| (i) 5311- Service Contracts                 |            | 27,900.00    | 21,499.94    | 10,574.78                |
| (j) 5312 - Rent Expense                     |            | 0.00         | 0.00         | 0.00                     |
| (k) 5589 - Administrative Expenses          |            | 2,828.52     | 1,812.82     | 2,323.10                 |
| (I) 5599 - Furniture and Equipment          |            | 1,133.00     | 0.00         | 0.00                     |
| (m) 5719 - Travel                           |            | 2,216.78     | 2,988.47     | 2,605.36                 |
|   | Subtotal   | 603,168.94   | 533,790.93   | 383,627.29               |
| Total Disbursements:                        |            | 8,380,572.90 | 7,735,749.48 | 6,642,597.98             |

# Annual Statement of the Andover Contributory Retirement Board for the year ended December 31, 2007

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| Investment Income                                  | 2007<br>End Balance | 2006<br>End Balance | 2005          |
|--|---------------------|---------------------|---------------|
| Investment Income Received From :                  |                     |                     |               |
| (a) Cash (from schedules 1)                        | 268,442.64          | 67,780.15           | 35,271.89     |
| (b) Short Term investments (sch 2)                 | 0.00                | 0.00                | 0.00          |
| (c) Fixed Inc Sec (from sch 3A and 3C)             | 1,083,267.45        | 0.00                | 561,773.74    |
| (d) Equities (from sch 4A and 4C)                  | 50,405.97           | 24,930.31           | 127,013.41    |
| (e) Pooled Funds (from Schedule 5)                 | 825,332.95          | 1,850,233.72        | 879,221.95    |
| (f) Commission Recapture                           | 0.00                | 0.00                | 0.00          |
| 4821 - TOTAL INVESTMENT INCOME                     | 2,227,449.01        | 1,942,944.18        | 1,603,280.99  |
| Plus :   |                     |                     |               |
| 4884 - Realized Gains                              | 1,770,231.98        | 1,559,554.21        | 4,019,718.80  |
| 4886 - Unrealized Gains                            | 10,485,213.43       | 12,693,763.51       | 7,537,729.01  |
| 1550 - Interest Due & Accrued Fixed Inc Sec Cur Yr | 0.00                | 11,177.94           | 201.67        |
|  | 12,255,445.41       | 14,264,495.66       | 11,557,649.48 |
| Less :   |                     |                     |               |
| 4823 - Pd Accrued Int - Fixed Inc Securities       | 0.00                | 0.00                | 0.00          |
| 4885 - Realized Losses                             | -1,891,566.09       | -669,153,21         | -2,429,079.80 |
| 4887 - Unrealized Losses                           | -10,095,530.56      | -3,408,731.57       | -5,051,350.27 |
| 1550 - Inc Due & Accrued Prior Year                | -11,177.94          | -201.67             | -397,150.63   |
|  | -11,998,274.59      | -4,078,086.45       | -7,877,580.70 |
| NET INVESTMENT INCOME                              | 2,484,619.83        | 12,129,353,39       | 5,283,349.77  |
| Income Required :                                  |                     |                     |               |
| Annuity Savings Fund (Supp Schedule)               | 155,806.09          | 147,963.61          | 139,007.64    |
| Annuity Reserve Fund                               | 214,529.31          | 194,629,92          | 192,038.02    |
| Expense Fund                                       | 603,168.94          | 533,790.93          | 383,627.29    |
| Military Service Fund                              | 8.85                | 8,80                | 64.86         |
|  | 973,513.19          | 876,393.26          | 714,737.81    |
| TOTAL INCOME REQUIRED                              | 973,513.19          | 876,393.26          | 714,737.81    |
| Net Investment Income                              | 2,484,619.83        | 12,129,353.39       | 5,283,349.77  |
| Less : Income Required                             | -973,513.19         | -876,393.26         | -714,737.81   |
| EXCESS INCOME TO THE PENSION RESERVE FUND          | 1,511,106.64        | 11,252,960.13       | 4,568,611.96  |

## Annual Statement of the Andover Contributory Retirement Board for the year ended December 31, 2007 HEADCOUNT STATISTICS Grou

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| HEADCOUNT STATISTICS  | Group 1 | Group 2+4                               | Total |
|---|---------|---|-------|
| ACTIVE MEMBERS  |         |   |       |
| Active membership,Dec 31,previous yr  | 613     | 141                                     | 754   |
| Inactive membership.Dec 31,previous yr  | 102     | 11                                      | 113   |
| Enrolled during the year  | 85      | 4                                       | 89    |
| Transfers between groups  | 0       | 0                                       | 0     |
| Reinstatements of disabled members  | 0       | 0                                       | 0     |
| Subtotal:   | 800     | 156                                     | 956   |
| Deduct  |         |   |       |
| Death   | 0       | 0                                       | 0     |
| Withdrawn   | . 60    | 4                                       | 64    |
| Retirements   | 12      | 11                                      | 23    |
| Subtotal:   | 72      | 15                                      | 87    |
| Active Membership, Dec 31, current year   | 626     | 130                                     | 756   |
| Inactive Membership, Dec 31, Current Yr   | 102     | 11                                      | 113   |
| **************************************  | ******  | * | ***** |
| Retired, Beneficiary and Survivor   |         |   |       |
| Membership, Dec. 31, previous Year  | 257     | 85                                      | 342   |
| Retirements during the year:  | ·       |   |       |
| Superannuation  | 12      | 5                                       | 17    |
| Ordinary disability   | 0       | 0                                       | 0     |
| Accidental disability   | 0       | 0                                       | 0     |
| Termination Relirement Allowance  | 1       | . 0                                     | 1     |
| Beneficiary of Deceased Retiree   | 0       | 0                                       | 0     |
| Survivor ben from active membership   | 0       | 0                                       | 0     |
| Subtotal:   | 13      | 5                                       | 18    |
| Deduct  |         |   |       |
| Deaths of retired members   | 10      | 1                                       | 11    |
| Termination of Survivor Benefits  | 0       | 0                                       | 0     |
| Reinstatements of disabled pensions   | 0       | 0                                       | 0     |
| Subtotal:   | 10      | 1                                       | 11    |
| Retired Membership, Dec.31, curr year   |         |   |       |
| Superannuation  | 221     | 61                                      | 282   |
| Ordinary Disability   | 4       | 3                                       | 7     |
| Accidental Disability   | 16      | 15                                      | 31    |
| Termination   | 0       | 0                                       | 0     |
| Beneficiaries from accidental deaths  | 2       | 2                                       | 4     |
| Beneficiaries from Section 100  | 1       | 0                                       | 1     |
| Beneficiaries from Section 101  | 0       | 0                                       | 0     |
| Beneficiaries under Option (c)  | 15      | 5                                       | 20    |
| Option (d) Survivor Allowance   | 19      | 3                                       | 22    |
| Section 12B Survivor Allowance  | 2       | 2                                       | 4     |
|   |         | 91                                      | 371   |
| Total Retired, Beneficiary, and Survivor Membership, Dec 31, current year                     | 280     | 51                                      | 511   |
| Total Retired, Beneficiary, and Survivor Membership, Dec 31, current year<br>TOTAL MEMBERSHIP | 280     | 51                                      | 37    |

## Annual Statement of the Andover Contributory Retirement Board for the year ended December 31, 2007

#### Schedule A

## Detail of Accounts Receivable and Accounts Payable

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| Accounts Receivable  |              |
|--|--------------|
| 4891 - Members Deductions                                    | 2,456.36     |
| 4892 - Transfers From Other Systems                          | 0.00         |
| 4893 - Member Make Up Payments and Redeposits                | 0.00         |
| 4900 - Member Payments from Rollovers                        | 0.00         |
| 4898 - 3-(8)(c) Reimbursements From Other Systems            | 0.00         |
| 4899 - Received from Commonwealth for COLA and Survivor Bene | 0.00         |
| 4884 - Realized Gain on Sale of Investments                  | 0.00         |
| 4894 - Pension Fund Appropriation (Current Fiscal Year)      | 2,341,568.00 |
| 4894 - Pension Fund Appropriation (Previous Fiscal Year)     | 0.00         |
| 4890 - Contr Rec'd from municipality on a/c of mil serv      | 0.00         |
| 4897 - Federal Grant Reimbursement                           | 0.00         |
| 4895 - Pension Reserve Appropriation                         | 0.00         |
| Investments Sold but funds not received (list individually)  |              |
| 4901 - 4825 - MISCELLANEOUS INCOME - HIMCO - RESIDUAL INCOME | 167.58       |
| 4902 -   | 0.00         |
| 4903 -   | 0.00         |
| 4904 -   | 0.00         |
| 4905 -   | 0.00         |
| Total Receivables  | 2,344,191.94 |
|  | <u></u>      |

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#### Accounts Payable

| 5757 -   | 0.00      |
|--|-----------|
| 5756 - Transfers to Other Systems                            | 0.00      |
| 5750 - Annuities Paid  | 0.00      |
| 5759 - Option B Refunds                                      | 0.00      |
| 5751 - Pensions Paid   | 0.00      |
| 5755 - 3(8)(c) Reimbursements To Other Systems               | 0.00      |
| 5752 - COLA's Paid   | 0.00      |
| 5753 - Chapter 389 Beneficiary Increase Paid                 | 0.00      |
| 4885 - Loss on Sale of Investments                           | 0.00      |
| 4890 - Return to Municipality For Members who withdrew funds | 0.00      |
| 5118 - Board Member Stipend                                  | 0.00      |
| 5119 - Salaries  | 0.00      |
| 5304 - Management Fees                                       | 11,394.28 |
| 5305 - Custodial Fees  | 2,597.48  |
| 5307 - Investment Consultant Fees                            | 0.00      |
| 5308 - Legal Expenses  | 0.00      |
| 5309 - Medical Expenses                                      | 0.00      |
| 5310 - Fiduciary Insurance                                   | 0.00      |
| 5311 - Service Contracts                                     | 0.00      |
| 5312 - Rent Expense  | 0.00      |
| 5589 - Administrative Expenses                               | 0.00      |
| 5599 - Furniture and Equipment                               | 0.00      |
| 5719 - Travel  | 0.00      |
| Investments Purchased but not paid for (list individually)   |           |
| 5901 ~   | 0.00      |
| 5902 -   | 0.00      |
| 5903 ~   | 0.00      |
| 5904 -   | 0.00      |
| Total Payables   | 13,991.76 |

#### ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

| FUND | CUSIP       | SECURITY DESCRIPTION   | BOOK VALUE<br>AT END OF<br><u>PREVIOUS YEAR</u> | TOTAL<br>DEPOSITS/WITHDRAWALS<br><u>THIS YEAR</u> | BOOK VALUE AT<br>END OF YEAR | INCOME<br>RECEIVED<br>THIS YEAR | INCOME DUE<br>AND ACCRUED<br><u>AT YEAR END</u> |
|------|-------------|------------------------|---|---|------------------------------|---------------------------------|---|
| 3Q01 | 8611249M9   | STATE STREET BANK STIF | 2,304,872.67                                    | (2,304,872.67)                                    | 0.00                         | 245,501.20                      | 0.00  |
| 3Q01 |             | CASH BALANCE           | 14,036.43                                       | (14,036.43)                                       | 0.00                         | 0.00                            | 0.00  |
| 1040 |             | BANK OF AMERICA        | 268,520.29                                      | 234,715.33  | 503,235.62                   | 17,137.89                       | 0.00  |
| 1042 | 111111111   | MMDT                   | 113,752.64                                      | (119,556.19)                                      | 0.00                         | 5,803.55                        | 0.00  |
| SCHE | DULE TOTALS |                        | 2,701,182.03                                    | (2,203,749.96)                                    | 503,235.62                   | 268,442.64                      | 0.00  |

#### SCHEDULE 1 CASH ACCOUNT ACTIVITY DURING YEAR

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#### ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

| SECURITY DESCRIPTION | RATE | MATURITY<br>DATE | PAR VALUE | PRICE | MARKET VALUE<br>AT END OF YEAR | CHANGE IN<br>MARKET VALUE<br>INCR/DECR | INTEREST<br>RECEIVED<br>DURING YEAR | INTEREST DUE<br>AND ACCRUED<br>AT YEAR END |
|----------------------|------|------------------|-----------|-------|--------------------------------|--|-------------------------------------|--|

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FUND CUSIP

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#### ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

**SCHEDULE 2B** 

SHORT TERM SECURITIES PURCHASED DURING YEAR

 COST INCLUDING

 MATURITY
 TRADE
 ACCRUED
 COMMISSION BUT

 FUND
 CUSIP
 SECURITY DESCRIPTION
 RATE
 DATE
 PAR VALUE
 DATE
 NAME OF BROKER
 COMM
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#### ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

| SCHEDULE 2C<br>SHORT TERM SECURITIES SOLD DURING YEAR |                      |                                |                                     |                            |  |  |  |  |  |  |  |
|---|----------------------|--------------------------------|-------------------------------------|----------------------------|--|--|--|--|--|--|--|
| FUND CUSIP  | SECURITY DESCRIPTION | MATURITY<br>RATE DATE PAR VALU | TRADE<br><u>DATE NAME OF BROKER</u> | PROCEEDS<br>COMM FROM SALE | INTEREST<br>BOOK PROFIT/LOSS RECEIVED<br>VALUE ON SALE DURING YEAR |  |  |  |  |  |  |

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#### ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

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| SCHEDULE 3A<br>FIXED INCOME SECURITIES OWNED AT END OF YEAR |      |             |           |       |                |              |             |              |  |  |
|---|------|-------------|-----------|-------|----------------|--------------|-------------|--------------|--|--|
|   |      |             |           |       |                | CHANGE IN    | INTEREST    | INTEREST DUE |  |  |
|   | I    | MATURITY    |           |       | MARKET VALUE   | MARKET VALUE | RECEIVED    | AND ACCRUED  |  |  |
| SECURITY DESCRIPTION  | RATE | <u>DATE</u> | PAR VALUE | PRICE | AT END OF YEAR | INCR/DECR    | DURING YEAR | AT YEAR END  |  |  |

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#### ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

| SCH | EDU | LE 3B |
|-----|-----|-------|
|-----|-----|-------|

FIXED INCOME SECURITIES PURCHASED DURING YEAR

COST INCLUDING MATURITY TRADE ACCRUED COMMISSION BUT FUND CUSIP SECURITY DESCRIPTION RATE DATE PAR VALUE DATE NAME OF BROKER COMM INT PAID EXCLUDING INT

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#### ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

| SCHEDULE 3C<br>FIXED INCOME SECURITIES SOLD DURING YEAR |                      |                       |           |               |                |      |          |               |                        |                                     |  |
|---|----------------------|-----------------------|-----------|---------------|----------------|------|----------|---------------|------------------------|-------------------------------------|--|
| FUND CUSIP  | SECURITY DESCRIPTION | MATURITY<br>RATE DATE | PAR VALUE | TRADE<br>DATE | NAME OF BROKER | COMM | PROCEEDS | BOOK<br>VALUE | PROFIT/LOSS<br>ON SALE | INTEREST<br>RECEIVED<br>DURING YEAR |  |

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#### ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

SCHEDULE 4A

EQUITIES OWNED AT END OF YEAR

|      |       |                      |        |           |                | CHANGE IN    | DIVIDENDS   |
|------|-------|----------------------|--------|-----------|----------------|--------------|-------------|
|      |       |                      |        | PRICE     | MARKET VALUE   | MARKET VALUE | RECEIVED    |
| FUND | CUSIP | SECURITY DESCRIPTION | SHARES | PER SHARE | AT END OF YEAR | INCR/DECR    | DURING YEAR |

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#### ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

SCHEDULE 4B

EQUITIES PURCHASED DURING YEAR

COST TRADE INCLUDING SECURITY DESCRIPTION SHARES DATE NAME OF BROKER COMM COMMISSION

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<u>FUND</u>

CUSIP

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#### ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

#### SCHEDULE 4C

#### EQUITIES SOLD DURING YEAR

| FUND CUSIP      | SECURITY DESCRIPTION                       | SHARES           | TRADE<br>DATE | NAME OF BROKER | <u>COMM</u> | PROCEEDS<br>FROM SALE | BOOK<br>VALUE | PROFIT/LOSS<br>ON SALE | DIVIDENDS<br>RECEIVED<br>DURING YEAR |
|-----------------|--|------------------|---------------|----------------|-------------|-----------------------|---------------|------------------------|--------------------------------------|
| 3Q01            | SECURITIES LITIGATION INCOME -             | AOL TIME WARNER  |               |                | 0.00        | 0.00                  | . 0.00        | 0.00                   | 33,322.81                            |
| 3Q01            | SECURITIES LITIGATION INCOME - CISCO       |                  |               |                |             | 0.00                  | 0.00          | 0.00                   | 16.38                                |
| 3Q01            | SECURITIES LITIGATION INCOME - CONCORD EFS |                  |               |                |             | 0.00                  | 0.00          | 0.00                   | 302.53                               |
| 3Q01            | SECURITIES LITIGATION INCOME -             | QWEST COMMUNICAT | IONS          |                | 0.00        | 0.00                  | 0.00          | 0.00                   | 3,853.15                             |
| 3Q01            | SECURITIES LITIGATION INCOME -             | RITE AID         |               |                | 0.00        | 0.00                  | 0.00          | 0.00                   | 169.52                               |
| SCHEDULE TOTALS |  |                  |               |                | 0.00        | 0.00                  | 0.00          | 0.00                   | 37,664.39                            |

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#### ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

#### SCHEDULE 5 POOLED FUND ACTIVITY DURING YEAR

| PERAC      |         |           |                              | MARKET VALUE  | TOTAL         | REINVESTED   |              |                |               |                 | TOTAL           | CASH          |              |                |
|------------|---------|-----------|------------------------------|---------------|---------------|--------------|--------------|----------------|---------------|-----------------|-----------------|---------------|--------------|----------------|
| LEDGER     |         |           |                              | AT END OF     | PURCHASES     | INVESTMENT   | REALIZED     | REALIZED       | UNREALIZED    | UNREALIZED      | SALES/REDEM     | DISTRIBUTIONS | FEES         | MARKET VALUE   |
| NUMBER     | FUND    | CUSIP     | SECURITY DESCRIPTION         | PREVIOUS YEAR | THIS YEAR     | INCOME       | GAIN         | LOSS           | GAIN          | LOSS            | THIS YEAR       | THIS YEAR     | PAID         | AT END OF YEAR |
| 1172-0001  | 3Q01    | 02599B918 | AMERICAN CENTURY SMALL CO FD | 8,569,106.97  | 0.00          | 12,741,58    | 0.00         | 0.00           | 779,009,72    | (559,631.49)    | (8,801,226.78)  | 0.00          | 0.00         | 0.00           |
| 1181       | 3Q01    | 433999943 | HIT CORE FIXED INCOME FUND   | 21,853,361.70 | 0.00          | 1,083,267.45 | 123,501.63   | (1,891,566.09) | 1,892,255.42  | (213,556.12)    | (22,782,330.76) | 0.00          | (60,340.63)  | 0.00           |
| 1198       | 3Q01    | 47099K983 | PRIT ABSOLUTE RETURN FUND    | 4,514,464,21  | 2,500,000.00  | 38,035.46    | 0.00         | 0.00           | 742,409.04    | (221,080.38)    | (7,534,156.89)  | 0.00          | (39,671.44)  | 0.00           |
| 1172-0002  | 3001    | 576990923 | SSGA INDEX PLUS SL FUND      | 33,188,997.24 | 0.00          | 0.00         | 0.00         | 0.00           | 5,182,441,14  | (5,888,226.84)  | (32,483,211.54) | 0.00          | (77,004.35)  | 0.00           |
| 1198       | 3Q01    | 69499F935 | PRIT GENERAL ALLOCATION FUND | 0.00          | 95,297,333.97 | 328,017,62   | 836,877.51   | 0.00           | 0.00          | (1,201,627.71)  | 0.00            | 0.00          | (61,550.60)  | 95,199,050.79  |
| 1194       | 3Q01    | 74299C991 | PRIT CORE REAL ESTATE FUND   | 10,716,571.30 | 0.00          | 459,279,87   | 809,852,84   | 0,00           | 283,260.84    | (872,561.42)    | (11,280,765.69) | 0.00          | (115,637.74) | 0.00           |
| SCHEDULE T | OT 3Q01 | 87399B945 | TBC INTL CORE EQUITY FUND    | 14,847,471.67 | 0.00          | 0.00         | 0.00         | 0.00           | 1,605,837,29  | (1,138,846.60)  | (15,314,462.56) | 0.00          | (78,210.42)  | 0.00           |
|            |         |           |                              | 93,689,973.29 | 07 707 132 07 | 4 004 344 00 | 4 770 004 00 | (4 004 600 00) | 10 105 242 45 | 40 005 520 FC   | 109 400 464 000 | 0.00          | (432,415.18) | 95,199,050.79  |
|            |         |           |                              | 33,003,813.23 | 97,797,333.97 | 1,921,341.98 | 1,770,231.98 | (1,891,566.09) | 10,485,213.45 | (10,095,530.56) | (98,196,154.22) | 0.00          | (434,43.30)  | 33,133,000,13  |

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ANNUAL STATEMENT OF THE TOWN OF ANDOVER RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2007

#### SCHEDULE 6

|    |      |  |               | Interest<br>Due and | Paid Accrued<br>Interest on<br>Purchases in | Paid During<br>Current | Unre          | Unrealized      |              | lized          | Investment<br>Income<br>Received |  |
|----|------|--|---------------|---------------------|---|------------------------|---------------|-----------------|--------------|----------------|----------------------------------|--|
| 4  |      | Category of Investment<br>Cash                   | Market Value  | Accrued             | Current Year                                | Year                   | Gains         | Losses          | Gains        | Losses         | During Year                      |  |
| ı  | 1040 | Bank Of America                                  | 503,235.62    |                     |   |                        |               |                 |              |                | 17,137.89                        |  |
|    | 1040 | State Street Bank                                | 0.00          |                     |   |                        |               |                 |              |                | 245,501.20                       |  |
|    | 1042 | MMDT   | 0.00          |                     |   |                        |               |                 |              |                | 5,803.55                         |  |
|    | 1043 | State Street Bank STIF                           | 0.00          | 0.00                |   |                        |               |                 |              |                | 0.00                             |  |
| 2  | 1100 | Short Term Securities                            | 0.00          | 0.00                |   |                        |               |                 |              |                | 0.00                             |  |
| 3  | 1180 | Fixed Income Securities                          | 0.00          |                     |   |                        |               |                 |              |                | 0.00                             |  |
| 4  | 1170 | Equities   | 0.00          |                     |   |                        |               |                 |              |                | 37,664.39                        |  |
| 5a | 1101 | Pooled Short Term Funds                          | 0.00          |                     |   |                        |               |                 |              |                | 0.00                             |  |
| 5b | 1172 | Pooled Domestic Equity Funds - ssgA              | 0.00          |                     |   |                        | 5,182,441.14  | (5,888,226,84)  | 0.00         | 0.00           | 0.00                             |  |
|    | 1172 | Pooled Dom Equity Funds - American Century       | 0.00          |                     |   |                        | 779,009.72    | (559,631.49)    | 0.00         | 0.00           | 12,741.58                        |  |
| 5c | 1173 | Pooled International Equity Funds TBC Asset Mgmt | 0.00          |                     | •   |                        | 1,605,837.29  | (1,138,846.60)  | 0.00         | 0.00           | 0.00                             |  |
| 5d | 1174 | Pooled Global Equity Funds                       | 0.00          | -                   |   |                        | .,            | (.,,,.,,        |              | • • • •        |                                  |  |
| 5e | 1181 | Pooled Domestic Fixed Income Funds HIMCO         | 0.00          |                     |   |                        | 1,892,255.42  | (213,556.12)    | 123,501.63   | (1,891,566.09) | 1,083,267.45                     |  |
| 5f | 1182 | Pooled International Fixed Income Funds          | 0.00          |                     |   |                        | .,,           | <b>,</b>        | 1 .          | · · · /        |                                  |  |
| 5g | 1183 | Pooled Global Fixed Income Funds                 | 0.00          |                     |   |                        |               |                 |              |                |                                  |  |
| 5h | 1193 | Pooled Alternative Investments/Private Equity    | 0.00          |                     |   |                        |               |                 |              |                |                                  |  |
| 5  | 1194 | Pooled Real Estate Funds                         | 0.00          |                     |   |                        | 283,260.84    | (872,561.42)    | 809,852.84   | 0.00           | 459,279.87                       |  |
| 5j | 1195 | Pooled Domestic Balanced Funds                   | 0.00          |                     |   |                        |               | • • •           |              |                |                                  |  |
| 5k | 1196 | Pooled International Balanced Funds              | 0.00          |                     |   |                        |               |                 |              |                |                                  |  |
| 51 | 1198 | PRIT General Allocation Fund                     | 95,199,050.79 |                     |   |                        | 0.00          | (1,201,627.71)  | 836,877.51   | 0.00           | 328,017.62                       |  |
| 5m | 1199 | PRIT Capital Fund HEDGE FUNDS                    | 0.00          |                     |   |                        | 742,409.04    | (221,080.38)    | 0.00         | 0.00           | 38,035.46                        |  |
|    |      | Total  | 95,702,286.41 | 0.00                | 0.00  | 0.00                   | 10,485,213.45 | (10,095,530.56) | 1,770,231.98 | (1,891,566.09) | 2,227,449.01                     |  |

#### **APPENDIX PAGE 1**

#### PLAN DESCRIPTION

The plan is a contributory defined benefit plan covering all <u>Andover Contributory</u>Retirement System member unit employees deemed eligible by the retirement board, with the exception of school department employees who serve in a teaching capacity. The pensions of such school employees are administered by the Teachers' Retirement Board.

Instituted in  $19\frac{37}{2}$ , the System is a member of the Massachusetts Contributory Retirement System and is governed by Chapter 32 of the Massachusetts General Laws. Membership in the plan is mandatory immediately upon the commencement of employment for all permanent, full-time employees.

The system provides for retirement allowance benefits up to a maximum of 80% of a member's highest three-year average annual rate of regular compensation. Benefit payments are based upon a member's age, length of creditable service, level of compensation, and group classification.

Members become vested after ten years of creditable service. A superannuation retirement allowance may be received upon the completion of twenty years of service or upon reaching the age of 55 with ten years of service. Normal retirement for most employees occurs at age 65 (for certain hazardous duty and public safety positions, normal retirement is at age 55).

A retirement allowance consists of two parts: an annuity and a pension. A member's accumulated total deductions and a portion of the interest they generate constitute the annuity. The differential between the total retirement benefit and the annuity is the pension. The average retirement benefit is approximately 80 - 85% pension and 15 - 20% annuity.

Active members contribute either 5, 7, 8, or 9% of their gross regular compensation. Members joining the retirement system after January 1, 1979 must contribute an additional 2% on regular compensation earned at a rate in excess of \$30,000. The percentage rate is keyed to the date upon which an employee's membership commences. These deductions are deposited in the Annuity Savings Fund and earn interest at a rate determined by the Executive Director of PERAC according to statute. When a member's retirement becomes effective, his/her deductions and related interest are transferred to the Annuity Reserve Fund. Cost-of-living adjustments and any other increase in benefits imposed by state law granted between 1981 and 1996 are borne by the state.

The pension portion of any retirement benefit is paid from the Pension Fund of the System. The governmental unit employing the member must annually appropriate and contribute the amount of current year pension payments as determined by PERAC's Actuary. Until recently, retirement systems were paying only the actual retirement benefits that were due each year. Systems had no statutory authorization to put aside any money for the future benefits of employees who are now working. Large unfunded liabilities resulted from operating upon this pay-as-you-go basis. In 1977, legislation authorized local governments to appropriate funds to meet future pension obligations.

In 1983, additional legislation was passed requiring the transfer of investment earnings (in excess of the amount credited to member accounts) into the Pension Reserve Fund. These initiatives have significantly reduced the rate of growth of the retirement systems' unfunded liabilities, and in some systems have actually reduced such liability.

Administrative expenses are funded through excess investment income.

Members who become permanently and totally disabled for further duty may be eligible to receive a disability retirement allowance. The amount of benefits to be received in such cases is dependent upon several factors including: whether or not the disability is work related, the member's age, years of creditable service, level of compensation, veteran's status, and group classification.

Employees who resign from service and who are not eligible to receive a retirement allowance or are under the age of 55 are entitled to request a refund of their accumulated total deductions. In addition, depending upon the number of years of creditable service, such employees are entitled to receive either zero (0%) percent, fifty (50%) percent, or one hundred (100%) percent of the regular interest which has accrued upon those deductions. Survivor benefits are extended to eligible beneficiaries of members whose death occurs prior to or following retirement.

#### APPENDIX PAGE 2

#### SIGNIFICANT ACCOUNTING POLICIES

The accounting records of the System are maintained on a calendar year basis in accordance with the standards and procedures established by the Executive Director of Public Employee Retirement Administration Commission. All investments are stated at market value at the end of the year.

The Annuity Savings Fund is the fund in which members' contributions are deposited. Active members contribute either 5, 7, 8 or 9% of their gross regular compensation. Voluntary contributions, redeposits, and transfers to and from other systems, are also accounted for in this fund. Members' contributions to the fund earn interest at a rate determined by PERAC. Interest for some members who withdraw with less than ten years of service is transferred to the Pension Reserve Fund. Upon retirement, a members' contributions and interest are transferred to the Annuity Reserve Fund. Dormant account balances must be transferred to the Pension Reserve Fund after a period of ten years of inactivity.

The Annuity Reserve Fund is the fund to which a member's account is transferred upon retirement from the Annuity Savings Fund and Special Military Service Credit Fund. The annuity portion of the retirement allowance is paid from this fund. Interest is credited monthly to this fund at the rate of 3% annually on the previous month's balance.

The Special Military Service Credit Fund contains contributions and interest for members while on a military leave for service in the Armed Forces who will receive creditable service for the period of that leave.

The Expense Fund contains amounts transferred from investment income or appropriated by the governmental units for the purposes of administering the retirement system.

The Pension Fund contains the amounts appropriated by the governmental units as established by PERAC to pay the pension portion of each retirement allowance.

The Pension Reserve Fund contains amounts appropriated by the governmental units for the purposes of funding future retirement benefits. Any profit or loss realized on the sale or maturity of any investment or on the unrealized gain of a market valued investment as of the valuation date is credited to the Pension Reserve Fund. Additionally, any investment income in excess of the amount required to credit interest to the Annuity Savings Fund, Annuity Reserve Fund, Expense Fund, and Special Military Service Credit Fund is credited to this Reserve account.

The Investment Income Account is credited all income derived from invested funds. At the end of the year the income credited to the Annuity Savings Fund, Annuity Reserve Fund, Expense Fund, and Special Military Service Credit Fund is distributed from this account and the remaining balance is transferred to the Pension Reserve Fund.

## ANDOVER RETIREMENT SYSTEM

## ACTUARIAL VALUATION AND ASSUMPTIONS

| The most recent actuarial valuation of the System was prepared by Stone C  | onsulting, Inc. as of 2 | January 1, 2007 |
|--|-------------------------|-----------------|
| The normal cost for employees on that date was:  | \$2,628,295             | 8.6% of payroll |
| The normal cost for the employer was:  | \$863,049               | 2.8% of payroll |
| The actuarial liability for active members was:  | \$74,856,475            |                 |
| The actuarial liability for retired members was (includes inactives):  | \$62,042,835            |                 |
| Total actuarial accrued liability:   | \$136,899,310           |                 |
| System assets as of that date:   | <u>99,952,824</u>       |                 |
| Unfunded actuarial accrued liability:  | \$36,946,486            |                 |
| The ratio of system's assets to total actuarial liability was:   | 73%                     |                 |
| As of that date the total covered employee payroll was:<br>The principal actuarial assumptions used in the valuation are as follows: | \$30,468,282            |                 |

Investment Return:8.00% per annumRate of Salary Increase:4.75% per annum

## SCHEDULE OF FUNDING PROGRESS (Dollars in \$000's)

| Actuarial Valuation<br>Date | Value of<br>Assets<br>(a) | Actuarial Accrued<br>Liability (AAL)<br>(b) | Unfunded AAL<br>(UAAL)<br>(b-a) | Funded<br>Ratio<br>(a/b) | Covered<br>Payroll<br>(c) | UAAL as a % of<br>Covered Payroll<br>((b-a)/c) |
|-----------------------------|---------------------------|---|---------------------------------|--------------------------|---------------------------|--|
| 1/1/2007                    | \$99,953                  | \$136,899                                   | \$36,946                        | 73%                      | \$30,468                  | 121%   |
| 1/1/2004                    | \$81,431                  | \$104,232                                   | \$22,801                        | 78%                      | \$27,551                  | 83%  |
| 1/1/2001                    | \$69,752                  | \$86,928                                    | \$17,176                        | 80%                      | \$24,596                  | 70%  |
| 1/1/1999                    | \$59,350                  | \$76,915                                    | \$17,566                        | 77%                      | \$21,631                  | 81%  |
| 1/1/1998                    | \$48,768                  | \$71,164                                    | \$22,396                        | 69%                      | \$20,700                  | 108%   |

STONE CONSULTING, INC.



## ANDOVER RETIREMENT SYSTEM FUNDING SCHEDULE

| Fiscal<br>Year | Normal<br>Cost | Unfunded<br>Liability | Funding<br>Amortization<br>of UAL | Schedule<br>Contribution | Adjusted for<br>January 1<br>Payments |
|----------------|----------------|-----------------------|-----------------------------------|--------------------------|---------------------------------------|
| <br>2009       | 1,073,766      | 38,485,961            | 3,259,416                         | 4,333,182                | 4,503,175                             |
| 2010           | 1,124,770      | 38,044,668            | 3,334,383                         | 4,459,153                | 4,634,088                             |
| 2011           | 1,178,196      | 37,487,108            | 3,411,074                         | 4,589,270                | 4,769,310                             |
| 2012           | 1,234,161      | 36,802,117            | 3,489,528                         | 4,723,689                | 4,909,002                             |
| 2013           | 1,292,783      | 35,977,596            | 3,569,788                         | 4,862,571                | 5,053,332                             |
| 2014           | 1,354,191      | 35,000,433            | 3,651,893                         | 5,006,083                | 5,202,474                             |
| 2015           | 1,418,515      | 33,856,423            | 3,735,886                         | 5,154,401                | 5,356,611                             |
| 2016           | 1,485,894      | 32,530,180            | 3,821,812                         | 5,307,706                | 5,515,930                             |
| 2017           | 1,556,474      | 31,005,037            | 3,909,713                         | 5,466,187                | 5,680,629                             |
| 2018           | 1,630,407      | 29,262,950            | 3,999,637                         | 5,630,043                | 5,850,913                             |
| 2019           | 1,707,851      | 27,284,378            | 4,091,628                         | 5,799,479                | 6,026,996                             |
| 2020           | 1,788,974      | 25,048,170            | 4,185,736                         | 5,974,710                | 6,209,100                             |
| 2021           | 1,873,950      | 22,531,429            | 4,282,008                         | 6,155,958                | 6,397,459                             |
| 2022           | 1,962,963      | 19,709,375            | 4,380,494                         | 6,343,457                | 6,592,314                             |
| 2023           | 2,056,203      | 16,555,191            | 4,481,245                         | 6,537,449                | 6,793,916 -                           |
| 2024           | 2,153,873      | 13,039,862            | 4,584,314                         | 6,738,187                | 7,002,529                             |
| 2025           | 2,256,182      | 9,131,992             | 4,689,753                         | 6,945,935                | 7,218,428                             |
| 2026           | 2,363,351      | 4,797,617             | 4,797,617                         | 7,160,968                | 7,441,897                             |
| 2027           | 2,475,610      | **                    | -                                 | 2,475,610                | 2,572,729                             |
| 2028           | 2,593,201      | -                     | -                                 | 2,593,201                | 2,694,934                             |
|                |                |                       |                                   |                          |                                       |

#### Amortization of Unfunded Liability as of July 1, 2008

|      |             | Original Amort. | Percentage | Original # | Current Amort. | Years     |
|------|-------------|-----------------|------------|------------|----------------|-----------|
| Year | Туре        | Amount          | Increasing | of Years   | Amount         | Remaining |
| 2009 | Fresh Start | 3,259,416       | 2.30%      | 18         | 3,259,416      | 18        |

Notes on Amortization of Unfunded Liability

Year is the year the amortization base was established.

Type is the reason for the creation of the base. Examples are Gain/(Loss) or Fresh Start.

Original Amortization Amount is the annual amortization amount when the base was established.

Percentage Increasing is the percentage that the Original Amortization Amount increases per year.

Original # of Years is the number of years over which the base is being amortized.

Current Amortization Amount is the amortization payment amount for this year.

Years Remaining is the number of years left to amortize the base.