ANNUAL STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2008 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 Ef

Effective Date: 07/01/1937

Administration Office

Town Offices 36 Bartlet Street

Andover, MA 01810-3882

Telephone Number 978-623-8213

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	DI M
Please Identify the	RODNEY P. SMITH	
Name of the Board Member who serves	Appointed Member	Term Expires 06/30/2011
as Chairperson by Inserting the title	ROBERT J. O'SULLIVAN, ESQ.	Solut C. Alllion
next to his/her name.	Elected Member	Term Expires 12/04/2011
	JAMES A. CUTICCHIA, CHAIRPERSON	
	Elected Member	Terry Expires 11/05/2010
	ELENA M. KOTHMAN	- Elina m KotAman.
	Member Appointed by Other Members	Term Expires 06/30/2011
	ANTHONY K. STANKIEWICZ, ESQ.	Hathon Kinalure
INVESTMENT MANAGERS	PRIT FUND	84 STATE ST, STE 250, BOSTON, MA 02109,
Please compile/submit a complete list. Attach	Name	Address
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, **2008** ANNUAL STATEMENT BALANCE TESTS

1. ASSET BALANCE

	Assets Previous Year	98,034,147.93
	Income Current Year	-19,800,769.25
	Disbursements Current Year	8,707,645.49
	Assets Current Year	69,525,733.19
2.	ASSET DIFFERENCE	
	Assets Current Year	69,525,733.19
	Assets Previous Year	98,034,147.93
	Difference	-28,508,414.74
3.	INCOME DIFFERENCE	
	Income Current Year	-19,800,769.25
	Income Current Year Disbursements Current Year	-19,800,769.25 8,707,645.49
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4.	Disbursements Current Year	8,707,645.49
4.	Disbursements Current Year Difference	8,707,645.49
4.	Disbursements Current Year Difference FUND CHANGE DIFFERENCE	8,707,645.49 -28,508,414.74
4.	Disbursements Current Year Difference FUND CHANGE DIFFERENCE Total Fund Change Credits Current Year	8,707,645.49 -28,508,414.74 -18,487,845.40

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

Annual Statement of the Andover Contributory Retirement Board for the year ended December 31, 2008 Interest Posted to the Annuity Reserve Fund

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Month	(Debits) Credits	Balance	Balance X .0025
January 1st		7559767.09	18899.42
January 31st	102733.20	7662500.29	19156.25
February 28 th	-5000.45	7657499.84	19143.75
March 31st	94689.02	7752188.86	19380.47
April 30 th	-86684.77	7665504.09	19163.76
May 31st	28404.64	7679764.92	19199.41
June 30 th	434633.63	8114398.55	20286.00
July 31st	-91504.68	8022893.87	20057.23
August 31st	-90708.60	7932185.27	19830.46
September 30 th	29569.33	7961754.60	19904.39
October 31st	-91752.43	7870002.17	19675.01
November 30th	-91585.46	7778416.71	19446.04
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Assets and Liabilities

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	2008	2007	2006
1040 - 1049 Cash	628,772.05	503.235.62	2,701,182.03
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	0.00	41,758,104,21
1173 - Pooled International Equity Funds	0.00	0.00	14,847,471.87
1174 - Pooled Global Equity Funds	0.00	0.00	0.00
1181 - Pooled Domestic Fixed Income Funds	0.00	0,00	21,853,361.70
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	0.00	10,716,571.30
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	66,273,446.96	95,199,050.79	0.00
1199 - PRIT Fund	0.00	0.00	4,514,464.21
1550 - Interest Due & Accrued Fixed Inc Sec Cur Yr	0.00	0.00	11,177.94
1398 - Accounts Receivable (A)	2,623,632.13	2,345,853.28	6,402.17
2020 - Accounts Payable (A)	-117.95	-13,991.76	-60,456.04
Total	69,525,733.19	98,034,147.93	96,348,279.39
Funds :			
3293 - Annuity Savings Fund	29,733,340.17	27,889,053.24	26,745,220.34
3294 - Annuity Reserve Fund	8,021,051.28	7,559,767.09	7,077,091.77
3295 - Military Service Fund	8,156.42	1,483.97	1,475.12
3296 - Pension Fund	-563,654.72	1,409,941.75	2,865,063.95
3298 - Expense Fund	0.00	0.00	0.00
3297 - Pension Reserve Fund	32,326,840.04	61,173,901.88	59,659,428.21
Total Assets at Market Value	69,525,733.19	98,034,147.93	96,348,279.39

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

	Balance December 31		Interfund		Balance December 31
	2007	Receipts	Transfers	Disbursements	2008
Annuity Savings Fund	27,889,053.24	3,505,793.89	-1,312,923.85	348,583.11	29,733,340.17
Annuity Reserve Fund	7,559,767.09	234,389.71	1,309,781.52	1,082,887.04	8,021,051.28
Pension Fund	1,409,941.75	4,737,941.62	0.00	6,711,538.09	-563,654,72
Military Service Fund	1,483.97	6,672.45	0.00	0.00	8,156.42
Expense Fund	0.00	564,637.25	0.00	564,637.25	0.00
Pension Reserve Fund	61,173,901.88	-28,850,204.17	3,142.33	0.00	32,326,840.04
TOTAL ALL FUNDS:	98,034,147.93	-19,800,769.25	0.00	8,707,645.49	69,525,733.19

List Below all Transfers:

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Transfer from 3293	Fund to the 3294	Fund in the Amount of	1,309,781.52 on account of	RETIREMENTS
Transfer from 3293	Fund to the 3297	Fund in the Amount of	3,142.33 on account of	INACTIVE ACCTS 10+ YEARS
Transfer from 3294	Fund to the 3293	Fund in the Amount of	1,337.92 on account of	REFUND AFTER RETIREMENT
Transfer from 3297	Fund to the 3296	Fund in the Amount of	6,000.00 on account of	WORKERS COMP SETTLEMENT
Transfer from	Fund to the	Fund in the Amount of	on account o	
Transfer from	Fund to the	Fund in the Amount of	on account o	ł
Transfer from	Fund to the	Fund in the Amount of	on account o	i
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Transfer from	Fund to the	Fund in the Amount of	on account of	f
Transfer from	Fund to the	Fund in the Amount of	on account c	f
Transfer from	Fund to the	Fund in the Amount of	on account o	f
Transfer from	Fund to the	Fund in the Amount of	on account o	f

RECEIPTS

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	2008	2007	2006
1. Annuity Savings Fund :			
(a) 4891 - Members Deductions	3,054,804.25	2,774,371.27	2,657,366.47
(b) 4892 - Transfers From Other	268,689.97	71,210.22	261,078.34
(c) 4893 - Make Up and Redeposit Payments	20,371.65	54,302.77	83,308.51
(d) 4900 - Member Payments from Rollovers	249.53	11,961.93	0.00
(e) Investment Income Cr to Members A/C	161,678.49	155,806.09	147,963.61
Subtota	3,505,793.89	3,067,652.28	3,149,716.93
2. Annuity Reserve Fund :			
(a) Investment Income Cr to Annuity Res Fd	234,389.71	214,529.31	194,629.92
Subtota	234,389.71	214,529.31	194,629.92
3. Pension Fund :			
(a) 4898 - 3(8) (c) Reimburse from Other Sys	161,253.58	123,082.16	129,787.03
(b) 4899 - Rec'd from State for COLA & Surviv	74,811.04	156,758.19	130,628.55
(c) 4894 - Pension Fund Appropriation	4,501,877.00	4,384,052.00	4,100,686.00
Subtota	4,737,941.62	4,663,892.35	4,361,101.58
4. Military Service Fund :			
(a) 4890 - Military Serv Contr from Municipal	6,663.55	0.00	0.00
(b) Invest Inc Credited Military Ser Fd	8.90	8.85	8.80
Subtota	6,672.45	8.85	8.80
5. Expense Fund :			
(a) 4896 - Expense Fund Appropriation	0.00	0.00	0.00
(b) Investment Income Cr to Expense Fund	564,519.30	603,168.94	533,790.93
Subtota	564,519.30	603,168.94	533,790.93
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:	2,884.62	2,508.89	4,027.31
(d) 4825 - Misc. Income	19,370.29	3,574.18	0.00
(e) Excess Investment Income	-28,872,341.13	1,511,106.64	11,252,960.13
Subtota	-28,850,086.22	1,517,189.71	11,256,987.44
TOTAL RECEIPTS	-19,800,769.25	10,066,441.44	19,496,235.60

Disbursements

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1. Annuity Savings Fund :				
(a) 5757 - Refunds To Members		140,653.18	289,731.84	435,637.50
(b) 5756 - Transfers To Other Systems :		207,929.93	405,866.07	195,170.67
s	Subtotal	348,583.11	695,597.91	630,808.17
2. Annuity Reserve Fund :				
(a) 5750 - Annuities Paid		1,068,743.23	962,791.50	865,607.46
(b) 5759 - Option B Refunds		14,143.81	0.00	20,269.55
s	Subtotal	1,082,887.04	962,791.50	885,877.01
3. Pension Fund :				
(a) 5751 - Pensions Paid		0.00	0.00	0.00
Regular Pension Payments		5,070,574.39	4,520,162.01	4,075,576.09
Survivorship Payments		350,257.79	349,498.07	316,973.51
Ordinary Disability Payments		96,279.14	95,314.80	94,349.10
Accidental Disability Payments		910,975.44	901,830.98	944,410.55
Accidental Death Payments		138,007.86	136,575.36	116,483.20
Section 101 Benefits		0.00	0.00	0.00
(b) 5755 - 3 (8) (c) Reimb To Other Sys		145,443.47	115,633.33	128,072.23
(c) 5752 - COLA's Paid		0.00	0.00	0.00
(d) 5753 - Chapter 389 Ben Increase Pd		0.00	0.00	0.00
5	Subtotal	6,711,538.09	6,119,014.55	5,675,864.68
4. Military Service Fund :				
(a) 4890 - Return to Municipality for Member	rs who	0.00	0.00	9,408.69
withdrew their fund				
\$	Subtotal	0.00	0.00	9,408.69
5. Expense Fund :				
(a) 5118 Board Member Stipend		6,000.00	6,000.00	0.00
(b) 5119 - Salaries		78,231.03	72,117.95	71,454.87
(c) 5304 - Management Fees		415,526.94	432,415.18	378,588.87
(d) 5305 - Custodial Fees		0.00	10,031.51	9,940.04
(e) 5307 - Investment Consultant Fees		1,000.00	38,050.00	40,000.00
(f) 5308 - Legal Expenses		2,809.00	5,313.00	2,794.00
(g) 5309 - Medical Expenses		0.00	0.00	0.00
(h) 5310 - Fiduciary Insurance		5,327.00	5,163.00	4,711.92
(i) 5311- Service Contracts		17,387.47	27,900.00	21,499.94
(j) 5312 - Rent Expense		0.00	0.00	0.00
(k) 5589 - Administrative Expenses		31,654.82	2,828.52	1,812.82
(I) 5599 - Furniture and Equipment		4,248.95	1,133.00	0.00
(m) 5719 - Travel		2,452.04	2,216.78	2,988.47
:	Subtotal	564,637.25	603,168.94	533,790.93
Total Disbursements:		8,707,645.49	8,380,572.90	7,735,749.48

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Investment Income

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	2008	2007	2006
Investment Income Received From :			
(a) Cash (from schedules 1)	8,332.16	268,442.64	67,780.15
(b) Short Term Investments (sch 2)	0.00	0.00	0.00
(c) Fixed Inc Sec (from sch 3A and 3C)	0.00	1,083,267.45	0.00
(d) Equities (from sch 4A and 4C)	0.00	50,405.97	24,930.31
(e) Pooled Funds (from Schedule 5)	2,868,273.33	825,332.95	1,850,233.72
(f) Commission Recapture	0.00	0.00	0.00
4821 - TOTAL INVESTMENT INCOME	2,876,605.49	2,227,449.01	1,942,944.18
Plus : 4884 - Realized Gains	1,072,205.75	1,770,231.98	1,559,554.21
4886 - Unrealized Gains	4,660,503.99	10,485,213.43	12,693,763.51
1550 - Interest Due & Accrued Fixed Inc Sec Cur Yr	0.00	0.00	11,177.94
	5,732,709.74	12,255,445.41	14,264,495.66
Less :			
4823 - Pd Accrued Int - Fixed Inc Securities	0.00	0.00	0.00
4885 - Realized Losses	-5,931,480.95	-1,891,566.09	-669,153.21
4887 - Unrealized Losses	-30,589,579.01	-10,095,530.56	-3,408,731,57
1550 - Inc Due & Accrued Prior Year	0.00	-11,177.94	-201.67
	-36,521,059.96	-11,998,274.59	-4,078,086.45
NET INVESTMENT INCOME	-27,911,744.73	2,484,619.83	12,129,353.39
Income Required :			
Annuity Savings Fund (Supp Schedule)	161,678.49	155,806.09	147,963.61
Annuity Reserve Fund	234,389.71	214,529.31	194,629.92
Expense Fund	564,637.25	603,168.94	533,790.93
Military Service Fund	8.90	8.85	8.80
	960,714.35	973,513.19	876,393.26
TOTAL INCOME REQUIRED	960,714.35	973,513.19	876,393.26
Net Investment Income	-27,911,744.73	2,484,619.83	12,129,353.39
Less : Income Required	-960,714.35	-973,513.19	-876,393.26
EXCESS INCOME TO THE PENSION RESERVE FUND	-28,872,459.08	1,511,106.64	11,252,960.13

Annual Statement of the Andover Contributory Retirement Board for the year ended December 31, 2008 HEADCOUNT STATISTICS

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HEADCOUNT STATISTICS	Group 1	Group 2+4	Total
ACTIVE MEMBERS			
Active membership.Dec 31,previous yr	635	139	774
Inactive membership, Dec 31, previous yr	98	10	108
Enrolled during the year	45	14	59
Transfers between groups	0	0	0
Reinstatements of disabled members	0	0	0
Subtotal:	778	163	941
Deduct			
Death	0	0	0
Withdrawn	60	5	65
Retirements	9	11	20
Subtotal:	69	16	85
Active Membership, Dec 31, current year	610	137	747
nactive Membership,Dec 31,Current Yr	99	. 10	109
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RETIRED MEMBERS, BENEFICIARIES AND SURVIVORS			
Retired, Beneficiary and Survivor			
Membership, Dec. 31, previous Year	263	86	349
Retirements during the year:	7	6	13
Superannuation Ordinary disability	0	. 0	
	0		0
Accidental disability	0	0	0
Termination Retirement Allowance	0	0	0
Beneficiary of Deceased Reliree		-	1
Survivor ben from active membership Subtotal:		0	14
Deduct			
Deaths of retired members	9	4	13
Termination of Survivor Benefits	0	0	C
Reinstatements of disabled pensions	0	0	(
Subtotal:	9	4	13
Retired Membership, Dec.31, curr year			
Superannuation	221	66	287
Ordinary Disability	4	3	7
Accidental Disability	16	15	31
Termination	0	0	(
Beneficiaries from accidental deaths	2	2	4
Beneficiaries from Section 100	1	0	
Beneficiaries from Section 101	0	0	
Beneficiaries under Option (c)	15	5	20
Option (d) Survivor Allowance	19	3	2:
Section 12B Survivor Allowance	2	2	-
Total Retired, Beneficiary, and Survivor Membership, Dec 31, current year	280		37
TOTAL MEMBERSHIP	000	040	400
Active, Inact, Retired, Beneficiary, and Survivor, Dec. 31, current year	989	243	1232

Schedule A

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Detail of Accounts Receivable and Accounts Payable Accounts Receivable

Accounts Receivable	
4891 - Members Deductions	73,622.80
4892 - Transfers From Other Systems	91,415.33
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)	2,458,594.00
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	0.00
4902 -	0.00
4903 -	0.00
4904 -	0.00
4905 -	0.00
Total Receivables	2,623,632.13

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	0.00
5305 - Custodial Fees	0.00
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	117.95
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	117.95

SCHEDULE 1

CASH ACCOUNT ACTIVITY DURING YEAR

FUND CUSIP	SECURITY DESCRIPTION	BOOK VALUE AT END OF <u>PREVIOUS YEAR</u>	TOTAL DEPOSITS/WITHDRAWALS <u>THIS YEAR</u>	BOOK VALUE AT END OF YEAR	INCOME RECEIVED THIS YEAR	INCOME DUE AND ACCRUED <u>AT YEAR END</u>
1040	BANK OF AMERICA	503,235.62	125,536.43	628,772.05	8,332.16	0.00

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SCHEDULE 2A SHORT TERM SECURITIES OWNED AT END OF YEAR INTEREST INTEREST DUE CHANGE IN MATURITY MARKET VALUE MARKET VALUE RECEIVED AND ACCRUED FUND CUSIP SECURITY DESCRIPTION RATE DATE PAR VALUE PRICE AT END OF YEAR INCR/DECR DURING YEAR AT YEAR END THIS PAGE LEFT BLANK INTENTIONALLY

ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2008

			SHOR	SC TERM SECU		E 2B CHASED DURING YEAR			
FUND CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	TRADE <u>DATE</u>	NAME OF BROKER	COMM	ACCRUED	COST INCLUDING COMMISSION BUT EXCLUDING INT
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ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2008

			s	HORT TERM SECL	RITIES SO	OLD DURING YEAR				INTEREST
FUND CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COM	PROCEEDS M FROM SALI	BOOK <u>VALUE</u>	PROFIT/LOSS RECEIVED <u>ON SALE</u> <u>DURING YEAR</u>
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SCHEDULE 2C SHORT TERM SECURITIES SOLD DURING YEAR

ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2008

SCHEDULE 3A FIXED INCOME SECURITIES OWNED AT END OF YEAR									
		FIXED INCOME S		D AT END O		CHANGE IN MARKET VALUE		INTEREST DUE AND ACCRUED	
FUND CUSIP	SECURITY DESCRIPTION	RATE DATE	PAR VALUE	PRICE	AT END OF YEAR		DURING YEAR	AT YEAR END	
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ANNUAL STATEMENT OF THE ANDOVER CONTRIBUTORY RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2008

SCHEDULE 3B FIXED INCOME SECURITIES PURCHASED DURING YEAR COST INCLUDING MATURITY TRADE ACCRUED COMMISSION BUT FUND CUSIP SECURITY DESCRIPTION <u>RATE</u> DATE PAR VALUE DATE NAME OF BROKER COMM INT PAID EXCLUDING INT THIS PAGE LEFT BLANK INTENTIONALLY

SCHEDULE 3C FIXED INCOME SECURITIES SOLD DURING YEAR

			F	IXED INCOME SEC	URITIES S	OLD DURING YEAR		IRITIES SOLD DURING YEAR				
FUND CUSIP	SECURITY DESCRIPTION		ATURITY DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	INTEREST RECEIVED DURING YEAR	
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SCHEDULE 4A

EQUITIES OWNED AT END OF YEAR

		EQUI	THES OWNED AT END	OF YEAR			
FUND	CUSIP	SECURITY DESCRIPTION	SHARES	PRICE PER SHARE	MARKET VALUE AT END OF YEAR	CHANGE IN MARKET VALUE INCR/DECR	DIVIDENDS RECEIVED DURING YEAR
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	EQUITIES PURCHASED DURING YEAR									
FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING <u>COMMISSION</u>			
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SCHEDULE 4B

SCHEDULE 4C

<u>FUND</u>	CUSIP	SECURITY DESCRIPTION	<u>SHAREŞ</u>	TRADE DATE	EQUITIES SOLD DURING YEAR	<u>COMM</u>	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS <u>ON SALE</u>	DIVIDENDS RECEIVED DURING YEAR
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Schedule No. 5

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Annual Statement of the Andover Retirement System for the Year Ended December 31, 2008

Schedule of Pooled Funds

		Total			Total Sale	s/			
PERAC	Market Value at	Purchases	Reinvested		Redemptic	ins this	Cash Dividends/		
Ledger	End of Previous	This Year	Investment	Unrealized	Year - Amo	ount	Distributions to		Market Value
Number Description	Year	at Cost	Income	Realized Gain Realized Loss Gain	Unrealized Loss Received		System this Year	Fees Paid	at End of Year
1198 PRIT General Allocation Fund	95,199,050.79	1,418.63	2,866,854.70	1,072,205.75 (5,931,480.95) 4,660,503.99	(30,589,579.01) (60)	(00.000,00	0.00	(405,526.94)	66,273,446.96

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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<u>37</u>, 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-systemafter 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.

ACTUARIAL VALUATION AND ASSUMPTIONS The most recent actuarial valuation of the System was prepared by Stone Consulting, Inc. as of 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 \$74,856,475 The actuarial liability for active members was: 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: 99,952,824 \$36,946,486 Unfunded actuarial accrued liability: The ratio of system's assets to total actuarial liability was: 73% As of that date the total covered employee payroll was: \$30,468,282 The principal actuarial assumptions used in the valuation are as follows: 8.00% per annum Investment Return: Rate of Salary Increase: 4.75% per annum SCHEDULE OF FUNDING PROGRESS (Dollars in \$000's) Actuarial UAAL as a % of Actuarial Accrued Unfurded AAL Covered Value of Funded Payroll Covered Payroll Actuarial Valuation Assets Liability (AAL) (UAAL) Ratio (a/b) ((b-a)/c)Date (b) (b-a) (c) (\mathbf{z}) 121% 1/1/2007 \$99.953 \$136,899 \$36,946 \$30,468 73% 1/1/2004 \$81,431 \$104,232 \$22,801 78% \$27,551 83% \$69,752 80% 70% 1/1/2001 \$86,928 \$17,176 \$24,596 \$59.350 \$76,915 \$17,566 77% \$21,631 81% 1/1/1999 1/1/1998 \$48,768 \$71,164 \$22,396 \$20,700 108% 69% STONE CONSULTING. INC.



ANDOVER RETIREMENT SYSTEM FUNDING SCHEDULE

ar 1 Carlon an Angelono an	Fiscal Year	Normal Cost	Unfunded Liability	Funding Amortization of UAL	Schedule Contribution	Adjusted for January 1 Payments
-	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.