

Actuarial Valuation Data

State Patrol Retirement Fund

(STPATROL)

	2011		2010		2009		2008		2007*		2007**		2006	
<b>Membership</b>														
Active Members	862	848	876	840	844	844	844	844	844	844	844	844	851	
Service Retirees	700	684	673	660	645	645	645	645	645	645	645	645	626	
Disabilitants	48	48	44	42	41	41	41	41	41	41	41	41	41	
Survivors	184	192	191	194	190	190	190	190	190	190	190	190	179	
Deferred Retirees	38	39	41	35	32	32	32	32	32	32	32	32	33	
Nonvested Former Members	<u>15</u>	<u>14</u>	<u>11</u>	<u>7</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>9</u>	
Total Membership	1,847	1,825	1,836	1,778	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,739	
<b>Funded Status</b>														
Accrued Liability	\$700,898,000	\$683,360,000	\$725,334,000	\$693,686,000	\$673,443,671	\$673,443,671	\$673,443,671	\$673,443,671	\$673,443,671	\$673,443,671	\$673,443,671	\$673,443,671	\$641,479,078	
Current Assets	<u>\$563,046,000</u>	<u>\$567,211,000</u>	<u>\$584,501,000</u>	<u>\$595,082,000</u>	<u>\$617,900,887</u>	<u>\$617,900,887</u>	<u>\$617,900,887</u>	<u>\$617,900,887</u>	<u>\$617,900,887</u>	<u>\$617,900,887</u>	<u>\$617,900,887</u>	<u>\$617,900,887</u>	<u>\$618,990,349</u>	
Unfunded Accrued Liability	\$137,852,000	\$116,149,000	\$140,833,000	\$98,604,000	\$55,542,784	\$55,542,784	\$55,542,784	\$55,542,784	\$55,542,784	\$55,542,784	\$55,542,784	\$55,542,784	\$22,488,729	
Funding Ratio	80.33%	83.00%	80.58%	85.79%	91.75%	91.75%	91.75%	91.75%	91.75%	91.75%	91.75%	91.75%	96.49%	
<b>Financing Requirements</b>														
Covered Payroll	\$66,035,000	\$67,187,000	\$67,421,000	\$63,771,000	\$61,497,551	\$61,497,551	\$61,497,551	\$61,497,551	\$61,497,551	\$61,497,551	\$61,497,551	\$61,497,551	\$57,765,450	
Benefits Payable	\$47,844,000	\$46,119,000	\$44,480,000	\$42,804,000	\$40,581,617	\$40,581,617	\$40,581,617	\$40,581,617	\$40,581,617	\$40,581,617	\$40,581,617	\$40,581,617	\$38,767,492	
Normal Cost	22.91%	\$15,127,000	22.98%	\$15,437,000	25.37%	\$17,103,000	25.15%	\$16,041,000	24.75%	\$15,219,351	24.75%	\$15,219,351	24.41%	\$14,098,467
Administrative Expenses	0.14%	\$92,000	0.18%	\$123,000	0.16%	\$108,000	0.18%	\$115,000	0.19%	\$116,845	0.19%	\$116,845	0.18%	\$103,978
Normal Cost & Expense	23.05%	\$15,219,000	23.16%	\$15,560,000	25.53%	\$17,211,000	25.33%	\$16,156,000	24.94%	\$15,336,196	24.94%	\$15,336,196	24.59%	\$14,202,445
Normal Cost & Expense	23.05%	\$15,219,000	23.16%	\$15,560,000	25.53%	\$17,211,000	25.33%	\$16,156,000	24.94%	\$15,336,196	24.94%	\$15,336,196	24.59%	\$14,202,445
Amortization	<u>13.20%</u>	<u>\$8,717,000</u>	<u>10.68%</u>	<u>\$7,176,000</u>	<u>12.63%</u>	<u>\$8,515,000</u>	<u>9.15%</u>	<u>\$5,838,000</u>	<u>4.96%</u>	<u>\$3,050,279</u>	<u>2.08%</u>	<u>\$1,279,149</u>	<u>2.10%</u>	<u>\$1,213,075</u>
Total Requirements	36.25%	\$23,936,000	33.84%	\$22,736,000	38.16%	\$25,726,000	34.49%	\$21,994,000	29.90%	\$18,386,475	27.02%	\$16,615,345	26.69%	\$15,415,520
Employee Contributions	12.40%	\$8,188,000	10.40%	\$6,988,000	10.40%	\$7,012,000	9.80%	\$6,250,000	9.10%	\$5,596,277	9.10%	\$5,596,277	8.40%	\$4,852,298
Employer Contributions	18.60%	\$12,283,000	15.60%	\$10,481,000	15.60%	\$10,518,000	14.60%	\$9,310,000	13.60%	\$8,363,667	13.60%	\$8,363,667	12.60%	\$7,278,447
Employer Add'l Cont.	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Direct State Funding	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Other Govt. Funding	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Administrative Assessment	<u>0.00%</u>	<u>\$0</u>	<u>0.00%</u>	<u>\$0</u>	<u>0.00%</u>	<u>\$0</u>	<u>0.00%</u>	<u>\$0</u>	<u>0.00%</u>	<u>\$0</u>	<u>0.00%</u>	<u>\$0</u>	<u>0.00%</u>	<u>\$0</u>
Total Contributions	31.00%	\$20,471,000	26.00%	\$17,469,000	26.00%	\$17,530,000	24.40%	\$15,560,000	22.70%	\$13,959,944	22.70%	\$13,959,944	21.00%	\$12,130,745
Total Requirements	36.25%	\$23,936,000	33.84%	\$22,736,000	38.16%	\$25,726,000	34.49%	\$21,994,000	29.90%	\$18,386,475	27.02%	\$16,615,345	26.69%	\$15,415,520
Total Contributions	<u>31.00%</u>	<u>\$20,471,000</u>	<u>26.00%</u>	<u>\$17,469,000</u>	<u>26.00%</u>	<u>\$17,530,000</u>	<u>24.40%</u>	<u>\$15,560,000</u>	<u>22.70%</u>	<u>\$13,959,944</u>	<u>22.70%</u>	<u>\$13,959,944</u>	<u>21.00%</u>	<u>\$12,130,745</u>
Deficiency (Surplus)	5.25%	\$3,465,000	7.84%	\$5,267,000	12.16%	\$8,196,000	10.09%	\$6,434,000	7.20%	\$4,426,531	4.32%	\$2,655,401	5.69%	\$3,284,775
Amortization Target Date	2036	2036	2036	2036	2036	2036	2036	2036	2036	2036	2036	2036	2036	
Actuary	Mercer	Mercer	Mercer	Mercer	Mercer	Mercer	Mercer	Segal	Segal	Segal	Segal	Segal	Segal	

\* Reflects 2007 Asset Valuation Method change

\*\* Current Assets and Amortization results do not

Actuarial Valuation Data

State Patrol Retirement Fund

(STPATROL)

	2005		2004		2003		2002		2001		2000		1999	
<b>Membership</b>														
Active Members		831		834		805		810		823		830		825
Service Retirees		612		607		592		577		556		531		503
Disabilitants		35		34		31		29		25		22		23
Survivors		178		163		162		156		164		457		146
Deferred Retirees		34		27		20		27		25		24		23
Nonvested Former Members		14		12		13		11		10		10		10
Total Membership		1,704		1,677		1,623		1,610		1,603		1,874		1,530
<b>Funded Status</b>														
Accrued Liability		\$566,763,689		\$545,243,508		\$538,980,000		\$510,344,000		\$489,483,000		\$458,384,000		\$406,215,000
Current Assets		\$601,220,181		\$594,785,274		\$591,521,000		\$591,383,000		\$572,815,000		\$528,573,000		\$472,687,000
Unfunded Accrued Liability		(\$34,456,492)		(\$49,541,766)		(\$52,541,000)		(\$81,039,000)		(\$83,332,000)		(\$70,189,000)		(\$66,472,000)
Funding Ratio	106.08%		109.09%		109.75%		115.88%		117.02%		115.31%		116.36%	
<b>Financing Requirements</b>														
Covered Payroll		\$55,142,064		\$53,119,128		\$56,569,000		\$51,473,000		\$51,574,000		\$51,980,000		\$47,034,000
Benefits Payable		\$36,956,287		\$35,501,294		\$34,316,000		\$33,031,000		\$29,935,000		\$25,789,000		\$22,226,000
Normal Cost	23.03%	\$12,698,808	23.00%	\$12,212,574	22.62%	\$12,797,000	22.62%	\$11,649,000	22.53%	\$11,620,000	22.55%	\$11,725,000	22.62%	\$10,636,000
Administrative Expenses	0.17%	\$93,742	0.17%	\$90,303	0.18%	\$102,000	0.20%	\$103,000	0.17%	\$88,000	0.20%	\$104,000	0.16%	\$75,000
Normal Cost & Expense	23.20%	\$12,792,550	23.17%	\$12,302,877	22.80%	\$12,899,000	22.82%	\$11,752,000	22.70%	\$11,708,000	22.75%	\$11,829,000	22.78%	\$10,711,000
Normal Cost & Expense	23.20%	\$12,792,550	23.17%	\$12,302,877	22.80%	\$12,899,000	22.82%	\$11,752,000	22.70%	\$11,708,000	22.75%	\$11,829,000	22.78%	\$10,711,000
Amortization	(3.36%)	(\$1,852,773)	(5.02%)	(\$2,666,580)	(5.00%)	(\$2,828,000)	(8.48%)	(\$4,365,000)	(8.70%)	(\$4,487,000)	(7.27%)	(\$3,779,000)	(9.57%)	(\$4,501,000)
Total Requirements	19.84%	\$10,939,777	18.15%	\$9,636,297	17.81%	\$10,071,000	14.34%	\$7,387,000	14.00%	\$7,221,000	15.48%	\$8,050,000	13.21%	\$6,210,000
Employee Contributions	8.40%	\$4,631,933	8.40%	\$4,462,007	8.40%	\$4,752,000	8.40%	\$4,324,000	8.40%	\$4,332,000	8.40%	\$4,366,000	8.40%	\$3,951,000
Employer Contributions	12.60%	\$6,947,900	12.60%	\$6,693,010	12.60%	\$7,128,000	12.60%	\$6,486,000	12.60%	\$6,498,000	12.60%	\$6,550,000	12.60%	\$5,926,000
Employer Add'l Cont.	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Direct State Funding	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Other Govt. Funding	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Administrative Assessment	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Total Contributions	21.00%	\$11,579,833	21.00%	\$11,155,017	21.00%	\$11,880,000	21.00%	\$10,810,000	21.00%	\$10,830,000	21.00%	\$10,916,000	21.00%	\$9,877,000
Total Requirements	19.84%	\$10,939,777	18.15%	\$9,636,297	17.81%	\$10,071,000	14.34%	\$7,387,000	14.00%	\$7,221,000	15.48%	\$8,050,000	13.21%	\$6,210,000
Total Contributions	21.00%	\$11,579,833	21.00%	\$11,155,017	21.00%	\$11,880,000	21.00%	\$10,810,000	21.00%	\$10,830,000	21.00%	\$10,916,000	21.00%	\$9,877,000
Deficiency (Surplus)	(1.16%)	(\$640,056)	(2.85%)	(\$1,518,720)	(3.19%)	(\$1,809,000)	(6.66%)	(\$3,423,000)	(7.00%)	(\$3,609,000)	(5.52%)	(\$2,866,000)	(7.79%)	(\$3,667,000)
Amortization Target Date	2035		2034		2033		2032		2031		2030		2020	
Actuary	Segal		Segal		Milliman USA		Milliman USA		Milliman USA		Milliman & Robertson		Milliman & Robertson	

It reflect the 2007 Asset Valuation Method chang

Actuarial Valuation Data

State Patrol Retirement Fund

(STPATROL)

	1998	1997	1996	1995	1994	1993	1992
<b>Membership</b>							
Active Members	806	795	777	803	788	781	795
Service Retirees	462	422	416	401	391	377	373
Disabilitants	21	20	18	18	18	15	15
Survivors	137	128	126	121	120	119	109
Deferred Retirees	21	21	22	19	21	18	19
Nonvested Former Members	<u>7</u>	<u>7</u>	<u>6</u>	<u>5</u>	<u>3</u>	<u>3</u>	<u>3</u>
Total Membership	1,454	1,393	1,365	1,367	1,341	1,313	1,314
<b>Funded Status</b>							
Accrued Liability	\$371,369,000	\$332,427,000	\$303,941,000	\$283,078,000	\$275,377,000	\$258,202,000	\$233,656,000
Current Assets	<u>\$430,011,000</u>	<u>\$375,650,000</u>	<u>\$323,868,000</u>	<u>\$284,918,000</u>	<u>\$262,570,000</u>	<u>\$244,352,000</u>	<u>\$222,314,000</u>
Unfunded Accrued Liability	(\$58,642,000)	(\$43,223,000)	(\$19,927,000)	(\$1,840,000)	\$12,807,000	\$13,850,000	\$11,342,000
Funding Ratio	115.79%	113.00%	106.56%	100.65%	95.35%	94.60%	95.15%
<b>Financing Requirements</b>							
Covered Payroll	\$45,217,000	\$43,084,000	\$40,399,000	\$39,838,000	\$41,462,000	\$40,654,000	\$37,113,000
Benefits Payable	\$18,353,000	\$14,642,000	\$13,279,000	\$12,092,000	\$11,272,000	\$10,253,000	\$9,603,000
Normal Cost	22.50% \$10,170,000	21.91% \$9,443,000	21.19% \$8,560,548	21.21% \$8,449,640	20.08% \$8,325,570	20.12% \$8,179,585	20.19% \$7,493,115
Administrative Expenses	0.15% \$68,000	0.15% \$65,000	0.14% \$56,559	0.13% \$51,789	0.16% \$66,339	0.16% \$65,046	0.63% \$233,812
Normal Cost & Expense	22.65% \$10,238,000	22.06% \$9,508,000	21.33% \$8,617,107	21.34% \$8,501,429	20.24% \$8,391,909	20.28% \$8,244,631	20.82% \$7,726,927
Normal Cost & Expense	22.65% \$10,238,000	22.06% \$9,508,000	21.33% \$8,617,107	21.34% \$8,501,429	20.24% \$8,391,909	20.28% \$8,244,631	20.82% \$7,726,927
Amortization	(8.51%) (\$3,848,000)	(6.39%) (\$2,753,000)	0.00% \$0	0.00% \$0	1.55% \$642,661	1.66% \$674,856	1.45% \$538,139
Total Requirements	14.14% \$6,390,000	15.67% \$6,755,000	21.33% \$8,617,107	21.34% \$8,501,429	21.79% \$9,034,570	21.94% \$8,919,488	22.27% \$8,265,065
Employee Contributions	8.40% \$3,798,000	8.40% \$3,619,000	8.92% \$3,603,591	8.92% \$3,553,550	8.50% \$3,524,270	8.50% \$3,455,590	8.50% \$3,154,605
Employer Contributions	12.60% \$5,697,000	12.60% \$5,429,000	14.88% \$6,011,371	14.88% \$5,927,894	14.88% \$6,169,546	14.88% \$6,049,315	14.88% \$5,522,414
Employer Add'l Cont.	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0
Direct State Funding	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0
Other Govt. Funding	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0
Administrative Assessment	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0
Total Contributions	21.00% \$9,495,000	21.00% \$9,048,000	23.80% \$9,614,962	23.80% \$9,481,444	23.38% \$9,693,816	23.38% \$9,504,905	23.38% \$8,677,019
Total Requirements	14.14% \$6,390,000	15.67% \$6,755,000	21.33% \$8,617,107	21.34% \$8,501,429	21.79% \$9,034,570	21.94% \$8,919,488	22.27% \$8,265,065
Total Contributions	21.00% \$9,495,000	21.00% \$9,048,000	23.80% \$9,614,962	23.80% \$9,481,444	23.38% \$9,693,816	23.38% \$9,504,905	23.38% \$8,677,019
Deficiency (Surplus)	(6.86%) (\$3,105,000)	(5.33%) (\$2,293,000)	(2.47%) (\$997,855)	(2.46%) (\$980,015)	(1.59%) (\$659,246)	(1.44%) (\$585,418)	(1.11%) (\$411,954)
Amortization Target Date	2020	2020	2020	2020	2020	2020	2020
Actuary	Milliman & Robertson	Milliman & Robertson	Milliman & Robertson	Milliman & Robertson	Milliman & Robertson	Milliman & Robertson	Milliman & Robertson

Actuarial Valuation Data

State Patrol Retirement Fund

(STPATROL)

	1991	1990	1989	1988	1987	1986	1985
<b>Membership</b>							
Active Members	809	788	765	740	771	769	764
Service Retirees	363	346	340	339	318	306	285
Disabilitants	15	14	14	13	13	13	13
Survivors	109	105	101	103	99	106	109
Deferred Retirees	15	23	19	16	16	18	21
Nonvested Former Members	0	4	7	8	8	9	9
Total Membership	1,311	1,280	1,246	1,219	1,225	1,221	1,201
<b>Funded Status</b>							
Accrued Liability	\$224,033,000	\$207,343,000	\$194,434,000	\$175,062,000	\$160,628,000	\$149,064,000	\$134,508,000
Current Assets	\$200,068,000	\$185,699,000	\$167,271,000	\$148,355,000	\$136,397,000	\$118,174,000	\$100,486,000
Unfunded Accrued Liability	\$23,965,000	\$21,644,000	\$27,163,000	\$26,707,000	\$24,231,000	\$30,890,000	\$34,022,000
Funding Ratio	89.30%	89.56%	86.03%	84.74%	84.91%	79.28%	74.71%
<b>Financing Requirements</b>							
Covered Payroll	\$37,777,000	\$34,423,000	\$32,591,000	\$29,267,000	\$28,583,000	\$27,474,000	\$25,846,000
Benefits Payable	\$8,720,000	\$7,846,000	\$7,187,000	\$6,263,000	\$5,431,000	\$4,753,000	\$3,967,000
Normal Cost	19.02% \$7,185,185	18.53% \$6,378,582	17.61% \$5,739,275	18.08% \$5,291,474	18.10% \$5,173,523	18.47% \$5,074,448	18.66% \$4,822,864
Administrative Expenses	0.63% \$237,995	0.79% \$271,942	0.57% \$185,769	0.60% \$175,602	0.66% \$188,648	0.61% \$167,591	0.58% \$149,907
Normal Cost & Expense	19.65% \$7,423,181	19.32% \$6,650,524	18.18% \$5,925,044	18.68% \$5,467,076	18.76% \$5,362,171	19.08% \$5,242,039	19.24% \$4,972,770
Normal Cost & Expense	19.65% \$7,423,181	19.32% \$6,650,524	18.18% \$5,925,044	18.68% \$5,467,076	18.76% \$5,362,171	19.08% \$5,242,039	19.24% \$4,972,770
Amortization	2.93% \$1,106,866	2.83% \$974,171	3.66% \$1,192,831	5.19% \$1,518,957	4.63% \$1,323,393	5.92% \$1,626,461	6.68% \$1,726,513
Total Requirements	22.58% \$8,530,047	22.15% \$7,624,695	21.84% \$7,117,874	23.87% \$6,986,033	23.39% \$6,685,564	25.00% \$6,868,500	25.92% \$6,699,283
Employee Contributions	8.50% \$3,211,045	8.50% \$2,925,955	8.50% \$2,770,235	8.50% \$2,487,695	8.50% \$2,429,555	8.50% \$2,335,290	8.50% \$2,196,910
Employer Contributions	14.88% \$5,621,218	14.88% \$5,122,142	18.90% \$6,159,699	18.90% \$5,531,463	18.90% \$5,402,187	18.90% \$5,192,586	18.90% \$4,884,894
Employer Add'l Cont.	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0
Direct State Funding	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0
Other Govt. Funding	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0
Administrative Assessment	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0
Total Contributions	23.38% \$8,832,263	23.38% \$8,048,097	27.40% \$8,929,934	27.40% \$8,019,158	27.40% \$7,831,742	27.40% \$7,527,876	27.40% \$7,081,804
Total Requirements	22.58% \$8,530,047	22.15% \$7,624,695	21.84% \$7,117,874	23.87% \$6,986,033	23.39% \$6,685,564	25.00% \$6,868,500	25.92% \$6,699,283
Total Contributions	23.38% \$8,832,263	23.38% \$8,048,097	27.40% \$8,929,934	27.40% \$8,019,158	27.40% \$7,831,742	27.40% \$7,527,876	27.40% \$7,081,804
Deficiency (Surplus)	(0.80%) (\$302,216)	(1.23%) (\$423,403)	(5.56%) (\$1,812,060)	(3.53%) (\$1,033,125)	(4.01%) (\$1,146,178)	(2.40%) (\$659,376)	(1.48%) (\$382,521)
Amortization Target Date	2020	2020	2020	2009	2009	2009	2009
Actuary	Milliman & Robertson	Wyatt	Wyatt	Wyatt	Wyatt	Wyatt	Wyatt

Actuarial Valuation Data

State Patrol Retirement Fund

(STPATROL)

	1984	1983	1982	1981	1980	1979	1978
<b>Membership</b>							
Active Members	741	774	763	793	782	770	751
Service Retirees	397	359	222	195	179	178	165
Disabilitants	0	0	5	10	9	9	8
Survivors	0	0	112	107	114	117	118
Deferred Retirees	21	22	28	25	23	17	19
Nonvested Former Members	<u>10</u>	<u>10</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Membership	1,169	1,165	1,140	1,130	1,107	1,091	1,061
<b>Funded Status</b>							
Accrued Liability	\$119,682,218	\$132,174,955	\$111,455,693	\$100,517,909	\$85,830,394	\$67,797,858	\$59,643,395
Current Assets	<u>\$86,784,592</u>	<u>\$78,774,772</u>	<u>\$68,183,407</u>	<u>\$58,720,161</u>	<u>\$49,620,012</u>	<u>\$41,712,515</u>	<u>\$37,265,557</u>
Unfunded Accrued Liability	\$32,897,626	\$53,400,183	\$43,272,286	\$41,797,748	\$36,210,382	\$26,085,343	\$22,377,838
Funding Ratio	72.51%	59.60%	61.18%	58.42%	57.81%	61.53%	62.48%
<b>Financing Requirements</b>							
Covered Payroll	\$23,016,272	\$21,562,464	\$19,600,976	\$19,967,408	\$18,003,587	\$16,429,135	\$13,771,848
Benefits Payable	\$3,536,079	\$2,777,224	\$2,242,146	\$1,778,088	\$1,519,060	\$1,454,944	\$1,290,000
Normal Cost	18.68% \$4,299,440	17.65% \$3,805,775	16.96% \$3,324,326	15.77% \$3,148,860	15.50% \$2,790,556	14.60% \$2,398,654	14.19% \$1,954,225
Administrative Expenses	0.27% \$62,144	0.18% \$38,812	0.18% \$35,282	0.18% \$35,941	0.18% \$32,406	0.23% \$37,787	0.25% \$34,430
Normal Cost & Expense	18.95% \$4,361,584	17.83% \$3,844,587	17.14% \$3,359,607	15.95% \$3,184,802	15.68% \$2,822,962	14.83% \$2,436,441	14.44% \$1,988,655
Normal Cost & Expense	18.95% \$4,361,584	17.83% \$3,844,587	17.14% \$3,359,607	15.95% \$3,184,802	15.68% \$2,822,962	14.83% \$2,436,441	14.44% \$1,988,655
Amortization	<u>7.00%</u> <u>\$1,611,139</u>	<u>16.81%</u> <u>\$3,624,650</u>	<u>14.71%</u> <u>\$2,883,304</u>	<u>14.05%</u> <u>\$2,805,421</u>	<u>13.28%</u> <u>\$2,390,876</u>	<u>10.33%</u> <u>\$1,697,130</u>	<u>12.80%</u> <u>\$1,762,797</u>
Total Requirements	25.95% \$5,972,723	34.64% \$7,469,238	31.85% \$6,242,911	30.00% \$5,990,222	28.96% \$5,213,839	25.16% \$4,133,570	27.24% \$3,751,451
Employee Contributions	8.50% \$1,956,383	8.50% \$1,832,809	7.00% \$1,372,068	7.00% \$1,397,719	7.00% \$1,260,251	7.00% \$1,150,039	7.00% \$964,029
Employer Contributions	18.90% \$4,350,075	12.00% \$2,587,496	12.00% \$2,352,117	12.00% \$2,396,089	12.00% \$2,160,430	12.00% \$1,971,496	12.00% \$1,652,622
Employer Add'l Cont.	0.00% \$0	9.00% \$1,940,622	9.00% \$1,764,088	9.00% \$1,797,067	9.00% \$1,620,323	9.00% \$1,478,622	9.00% \$1,239,466
Direct State Funding	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0
Other Govt. Funding	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0	0.00% \$0
Administrative Assessment	<u>0.00%</u> <u>\$0</u>	<u>0.00%</u> <u>\$0</u>	<u>0.00%</u> <u>\$0</u>	<u>0.00%</u> <u>\$0</u>	<u>0.00%</u> <u>\$0</u>	<u>0.00%</u> <u>\$0</u>	<u>0.00%</u> <u>\$0</u>
Total Contributions	27.40% \$6,306,459	29.50% \$6,360,927	28.00% \$5,488,273	28.00% \$5,590,874	28.00% \$5,041,004	28.00% \$4,600,158	28.00% \$3,856,117
Total Requirements	25.95% \$5,972,723	34.64% \$7,469,238	31.85% \$6,242,911	30.00% \$5,990,222	28.96% \$5,213,839	25.16% \$4,133,570	27.24% \$3,751,451
Total Contributions	<u>27.40%</u> <u>\$6,306,459</u>	<u>29.50%</u> <u>\$6,360,927</u>	<u>28.00%</u> <u>\$5,488,273</u>	<u>28.00%</u> <u>\$5,590,874</u>	<u>28.00%</u> <u>\$5,041,004</u>	<u>28.00%</u> <u>\$4,600,158</u>	<u>28.00%</u> <u>\$3,856,117</u>
Deficiency (Surplus)	(1.45%) (\$333,736)	5.14% \$1,108,311	3.85% \$754,638	2.00% \$399,348	0.96% \$172,834	(2.84%) (\$466,587)	(0.76%) (\$104,666)
Amortization Target Date	2009	2009	2009	2009	2009	2009	1997
Actuary	Touche Ross	Touche Ross	Touche Ross	Touche Ross	Wyatt	Wyatt	TPF&C

Actuarial Valuation Data

State Patrol Retirement Fund

(STPATROL)

	1977	1976	1975	1974	1973	1972	1971							
<b>Membership</b>														
Active Members	--	--	--	--	--	--	--							
Service Retirees	--	--	--	--	--	--	--							
Disabilitants	--	--	--	--	--	--	--							
Survivors	--	--	--	--	--	--	--							
Deferred Retirees	--	--	--	--	--	--	--							
Nonvested Former Members	--	--	--	--	--	--	--							
Total Membership	--	--	--	--	--	--	--							
<b>Funded Status</b>														
Accrued Liability	\$54,026,436	\$47,221,956	\$43,346,873	\$40,779,112	\$32,706,692	\$23,540,541	\$21,399,349							
Current Assets	\$32,177,068	\$25,911,233	\$22,910,417	\$19,650,535	\$16,132,905	\$13,121,325	\$10,993,892							
Unfunded Accrued Liability	\$21,849,368	\$21,310,723	\$20,436,456	\$21,128,577	\$16,573,787	\$10,419,216	\$10,405,457							
Funding Ratio	59.56%	54.87%	52.85%	48.19%	49.33%	55.74%	51.37%							
<b>Financing Requirements</b>														
Covered Payroll	\$12,974,808	\$11,996,584	\$11,214,526	\$11,051,726	\$9,036,012	\$7,621,027	\$7,311,243							
Benefits Payable	\$1,205,000	\$902,246	\$806,633	\$746,442	\$538,857	\$465,195	\$425,246							
Normal Cost	14.45%	\$1,874,860	14.42%	\$1,729,907	14.82%	\$1,661,993	14.68%	\$1,622,393	14.34%	\$1,295,764	13.65%	\$1,040,270	13.28%	\$970,933
Administrative Expenses	0.27%	\$35,032	0.26%	\$31,191	0.27%	\$30,279	0.28%	\$30,945	0.18%	\$16,265	0.14%	\$10,669	0.09%	\$6,580
Normal Cost & Expense	14.72%	\$1,909,892	14.68%	\$1,761,099	15.09%	\$1,692,272	14.96%	\$1,653,338	14.52%	\$1,312,029	13.79%	\$1,050,940	13.37%	\$977,513
Normal Cost & Expense	14.72%	\$1,909,892	14.68%	\$1,761,099	15.09%	\$1,692,272	14.96%	\$1,653,338	14.52%	\$1,312,029	13.79%	\$1,050,940	13.37%	\$977,513
Amortization	12.87%	\$1,669,858	13.20%	\$1,583,549	13.18%	\$1,478,075	13.50%	\$1,491,983	12.66%	\$1,143,959	8.01%	\$610,444	8.14%	\$595,135
Total Requirements	27.59%	\$3,579,750	27.88%	\$3,344,648	28.27%	\$3,170,347	28.46%	\$3,145,321	27.18%	\$2,455,988	21.80%	\$1,661,384	21.51%	\$1,572,648
Employee Contributions	7.00%	\$908,237	8.00%	\$959,727	8.00%	\$897,162	8.00%	\$884,138	8.00%	\$722,881	7.00%	\$533,472	7.00%	\$511,787
Employer Contributions	12.00%	\$1,556,977	12.00%	\$1,439,590	12.00%	\$1,345,743	12.00%	\$1,326,207	12.00%	\$1,084,321	11.20%	\$853,555	11.20%	\$818,859
Employer Add'l Cont.	9.00%	\$1,167,733	10.00%	\$1,199,658	10.00%	\$1,121,453	10.00%	\$1,105,173	10.00%	\$903,601	8.00%	\$609,682	8.00%	\$584,899
Direct State Funding	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Other Govt. Funding	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Administrative Assessment	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Total Contributions	28.00%	\$3,632,946	30.00%	\$3,598,975	30.00%	\$3,364,358	30.00%	\$3,315,518	30.00%	\$2,710,804	26.20%	\$1,996,709	26.20%	\$1,915,546
Total Requirements	27.59%	\$3,579,750	27.88%	\$3,344,648	28.27%	\$3,170,347	28.46%	\$3,145,321	27.18%	\$2,455,988	21.80%	\$1,661,384	21.51%	\$1,572,648
Total Contributions	28.00%	\$3,632,946	30.00%	\$3,598,975	30.00%	\$3,364,358	30.00%	\$3,315,518	30.00%	\$2,710,804	26.20%	\$1,996,709	26.20%	\$1,915,546
Deficiency (Surplus)	(0.41%)	(\$53,197)	(2.12%)	(\$254,328)	(1.73%)	(\$194,011)	(1.54%)	(\$170,197)	(2.82%)	(\$254,816)	(4.40%)	(\$335,325)	(4.69%)	(\$342,897)
Amortization Target Date	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997
Actuary	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes

Actuarial Valuation Data

State Patrol Retirement Fund

(STPATROL)

	1970	1969	1968	1967	1966	1965	1964							
<b>Membership</b>														
Active Members	--	--	--	--	--	--	--							
Service Retirees	--	--	--	--	--	--	--							
Disabilitants	--	--	--	--	--	--	--							
Survivors	--	--	--	--	--	--	--							
Deferred Retirees	--	--	--	--	--	--	--							
Nonvested Former Members	--	--	--	--	--	--	--							
Total Membership	--	--	--	--	--	--	--							
<b>Funded Status</b>														
Accrued Liability	\$21,119,778	\$17,681,000	\$8,843,554	\$8,602,640	\$7,874,492	\$7,495,514	\$6,870,000							
Current Assets	\$9,098,829	\$7,503,000	\$4,927,531	\$4,306,145	\$3,730,465	\$3,137,045	\$2,718,000							
Unfunded Accrued Liability	\$12,020,949	\$10,178,000	\$3,916,023	\$4,296,495	\$4,144,027	\$4,358,469	\$4,152,000							
Funding Ratio	43.08%	42.40%	55.73%	50.06%	47.37%	41.85%	40.00%							
<b>Financing Requirements</b>														
Covered Payroll	\$6,550,665	\$5,261,000	\$2,376,554	\$2,299,800	\$2,258,028	\$2,240,000	\$1,814,000							
Benefits Payable	\$389,420	\$364,000	\$215,858	\$198,872	\$152,000	\$144,882	\$126,000							
Normal Cost	13.69%	\$896,786	14.35%	\$754,954	16.76%	\$398,310	17.08%	\$392,806	17.13%	\$386,800	16.07%	\$359,968	19.50%	\$353,730
Administrative Expenses	0.09%	\$5,896	0.21%	\$11,048	0.20%	\$4,753	0.18%	\$4,140		\$0		\$0		\$0
Normal Cost & Expense	13.78%	\$902,682	14.56%	\$766,002	16.96%	\$403,064	17.26%	\$396,945	17.13%	\$386,800	16.07%	\$359,968	19.50%	\$353,730
Normal Cost & Expense	13.78%	\$902,682	14.56%	\$766,002	16.96%	\$403,064	17.26%	\$396,945	17.13%	\$386,800	16.07%	\$359,968	19.50%	\$353,730
Amortization	10.26%	\$672,098	10.58%	\$556,614	8.34%	\$198,205	9.25%	\$212,732	8.74%	\$197,352	9.37%	\$209,888	10.80%	\$195,912
Total Requirements	24.04%	\$1,574,780	25.14%	\$1,322,615	25.30%	\$601,268	26.51%	\$609,677	25.87%	\$584,152	25.44%	\$569,856	30.30%	\$549,642
Employee Contributions	7.00%	\$458,547	7.00%	\$368,270	7.00%	\$166,359	7.00%	\$160,986	7.40%	\$167,094	7.40%	\$165,760	7.00%	\$126,980
Employer Contributions	11.20%	\$733,674	11.20%	\$589,232	11.20%	\$266,174	11.20%	\$257,578	11.20%	\$252,899	11.20%	\$250,880	10.50%	\$190,470
Employer Add'l Cont.	8.00%	\$524,053	8.00%	\$420,880	9.00%	\$213,890	9.00%	\$206,982	9.00%	\$203,223	9.00%	\$201,600	0.00%	\$0
Direct State Funding	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Other Govt. Funding	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Administrative Assessment	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
Total Contributions	26.20%	\$1,716,274	26.20%	\$1,378,382	27.20%	\$646,423	27.20%	\$625,546	27.60%	\$623,216	27.60%	\$618,240	17.50%	\$317,450
Total Requirements	24.04%	\$1,574,780	25.14%	\$1,322,615	25.30%	\$601,268	26.51%	\$609,677	25.87%	\$584,152	25.44%	\$569,856	30.30%	\$549,642
Total Contributions	26.20%	\$1,716,274	26.20%	\$1,378,382	27.20%	\$646,423	27.20%	\$625,546	27.60%	\$623,216	27.60%	\$618,240	17.50%	\$317,450
Deficiency (Surplus)	(2.16%)	(\$141,494)	(1.06%)	(\$55,767)	(1.90%)	(\$45,155)	(0.69%)	(\$15,869)	(1.73%)	(\$39,064)	(2.16%)	(\$48,384)	12.80%	\$232,192
Amortization Target Date	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997
Actuary	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Stennes	Brown, Conrad	

Actuarial Valuation Data

State Patrol Retirement Fund

(STPATROL)

	1962	1958	1955	1954	1952
<b>Membership</b>					
Active Members	--	--	--	--	--
Service Retirees	--	--	--	--	--
Disabilitants	--	--	--	--	--
Survivors	--	--	--	--	--
Deferred Retirees	--	--	--	--	--
Nonvested Former Members	--	--	--	--	--
Total Membership	--	--	--	--	--
<b>Funded Status</b>					
Accrued Liability	\$5,364,851	\$4,014,041	\$2,690,593		\$926,823
Current Assets	<u>\$2,293,786</u>	<u>\$1,226,695</u>	<u>\$890,397</u>		<u>\$565,210</u>
Unfunded Accrued Liability	\$3,071,065	\$2,787,346	\$1,800,196		\$361,613
Funding Ratio	42.76%	30.56%	33.09%		60.98%
<b>Financing Requirements</b>					
Covered Payroll	\$1,708,800	\$1,582,320	--		--
Benefits Payable	\$108,660	\$47,112	--		--
Normal Cost	17.50% \$299,040	17.30% \$273,741	--		--
Administrative Expenses	\$0	\$0	--		--
Normal Cost & Expense	17.50% \$299,040	17.30% \$273,741	--		--
Normal Cost & Expense	17.50% \$299,040	17.30% \$273,741	--		--
Amortization	<u>3.52%</u> <u>\$60,150</u>	<u>7.60%</u> <u>\$120,256</u>	--		--
Total Requirements	21.02% \$359,190	24.90% \$393,998	--		--
Employee Contributions	7.00% \$119,616	7.00% \$110,762	8.00%		--
Employer Contributions	10.50% \$179,424	7.00% \$110,762	8.00%		--
Employer Add'l Cont.	0.00% \$0	0.00% \$0	0.00%		--
Direct State Funding	0.00% \$0	0.00% \$0	0.00%		--
Other Govt. Funding	0.00% \$0	0.00% \$0	0.00%		--
Administrative Assessment	<u>0.00%</u> <u>\$0</u>	<u>0.00%</u> <u>\$0</u>	<u>0.00%</u>		--
Total Contributions	17.50% \$299,040	14.00% \$221,525	16.00%		--
Total Requirements	21.02% \$359,190	24.90% \$393,998	--		--
Total Contributions	<u>17.50%</u> <u>\$299,040</u>	<u>14.00%</u> <u>\$221,525</u>	--		--
Deficiency (Surplus)	3.52% \$60,150	10.90% \$172,473	--		--
Amortization Target Date	1997	1997	--	1994	--
Actuary	Brown, Conrad	Stennes	Stennes	--	--