

**DEPARTMENT OF STATE POLICE OF INDIANA
PENSION TRUST AGREEMENT**

REVISED GASB STATEMENT #67 AND #68 DISCLOSURE FYE JUNE 30, 2015



*Retirement plan administrative and
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DEPARTMENT OF STATE POLICE OF INDIANA
PENSION TRUST AGREEMENT

Revised Required Pension Disclosure Report under GASB Statement #67 and #68

Introduction

This revised report contains the disclosure of of the Net Pension Liability and Pension Expense for the Department of State Police of Indiana Pension Trust Agreement computed according to the provisions of GASB Statement #67 and #68 for the Fiscal Year ending June 30, 2015. Also included are various exhibits developing the individual components of this disclosure information.

Please note that the June 30, 2015 results shown in this report have been revised from the report issued on September 30, 2015 to reflect data corrections for active participant appointment dates as well as a mortality update reflecting the MP-2015 Mortality Improvement Projection Scale.

Actuarial computations under GASB Statement #67 and #68 are for purposes of fulfilling financial reporting requirements. The calculations reported herein have been made on a basis consistent with our understanding of these GASB Statements. Determinations for purposes other than meeting financial reporting requirements may be significantly different from the results reported herein. Accordingly, additional determinations are needed for other purposes, such as the adequacy of funding for an ongoing plan determined in the Actuarial Valuation.

Methods and Assumptions

The cost method used was the Entry Age Actuarial Cost Method and the asset valuation method used was the Fair Market Value as required by the provisions of GASB Statement #67 and #68. For the latest Actuarial Valuation the Entry Age Actuarial Cost Method was utilized and assets were developed using a four year smoothing period.

The actuarial assumptions are summarized in the exhibit labeled *Notes to the Financial Statements*. In our opinion, the actuarial assumptions used are reasonable, both individually and in combination, and represent our best estimate of a reasonable expectation of future long-term experience under the plan. All calculations have been made in accordance with standard actuarial principles and practice.

Data Description

The census data was provided by the State Police and the Treasurer's Office as of July 1, 2015. The trust information was furnished by the Treasurer of the State of Indiana as of June 30, 2015. We have reviewed the information for consistency and reasonableness and relied upon this information in the preparation of this report. Similar information has been furnished to us in the past, and the accuracy of this report depends on the accuracy of all data that has been furnished to us from time to time.

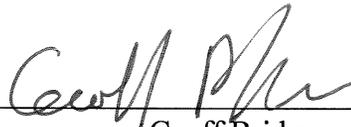
DEPARTMENT OF STATE POLICE OF INDIANA
PENSION TRUST AGREEMENT

Revised Required Pension Disclosure Report under GASB Statement #67 and #68

The undersigned member of the American Academy of Actuaries meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein. We will be pleased to furnish any additional information or answer any questions which may arise after your review of this report.

Submitted and Certified by
McCready and Keene, Inc.

By _____



Geoff Bridges

F.S.A., M.A.A.A., E.A.

Senior Consulting Actuary, AVP

REQUIRED PENSION DISCLOSURE UNDER GASB #68

Revised Pension Expense for Fiscal Year June 30, 2015

COMPONENTS OF THE PENSION EXPENSE	<u>2015</u>
Service cost	\$ 14,356,398
Interest cost	35,912,003
Employee contributions	(3,967,047)
Projected earnings on pension plan investments	(30,937,646)
Changes in plan provisions/benefit terms	274,657
Administrative expenses	300,729
Other changes in fiduciary net position	-
Current period recognition of deferred outflows/(inflows) of resources:	
Liability experience losses/(gains)	922,210
Change in assumptions	1,661,987
Investment losses/(gains)	3,216,370
Total Pension Expense	<u>\$ 21,739,661</u>

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Statement of Fiduciary Net Position as of June 30, 2014 and 2015

	<u>2014</u>	<u>2015</u>
ASSETS		
Cash and cash equivalents	\$ 49,493,578	\$ 7,805,795
Receivables:		
Investment income	\$ 408,424	\$ 442,071
Due from broker(s) for unsettled trades	175,196	5,019,504
Employer contributions	-	-
Employee contributions	245,358	256,762
Member Loans	179,843	112,383
Total Receivables	<u>1,008,820</u>	<u>5,830,720</u>
Investments:		
Debt Securities	\$ 118,965,177	\$ 118,509,386
Equity Securities	204,996,836	205,971,175
Alternative investments	93,784,635	111,614,742
Total Investments	<u>\$ 417,746,648</u>	<u>\$ 436,095,303</u>
Total Assets	<u>\$ 468,249,047</u>	<u>\$ 449,731,818</u>
LIABILITIES		
Payables:		
Due to broker(s) for unsettled trades	\$ 152,877	\$ 457,211
Accrued expenses and benefits payable	\$ 98,472	\$ 103,019
Net Pension Liability	\$ -	\$ -
Total Liabilities	<u>\$ 251,349</u>	<u>\$ 560,230</u>
NET POSITION RESTRICTED FOR PENSIONS	<u><u>\$ 467,997,698</u></u>	<u><u>\$ 449,171,587</u></u>

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68
Statement of Changes in Fiduciary Net Position for Fiscal Year Ending June 30, 2015

	2015
ADDITIONS	
Employer Contributions	\$ 13,450,512
Member Contributions	3,967,047
Transfers into trust	-
Total contributions and transfers	\$ 17,417,559
Interest and Dividends	10,041
Net increase (decrease) in fair value of investments	380,734
Less investment expense	(1,380,704)
Net investment income	\$ (989,929)
Other	-
Total additions	\$ 16,427,630
DEDUCTIONS	
Service benefits	\$ 34,954,732
Repayment of benefits	(1,720)
Administrative expense	300,729
Transfers out of trust	-
Other	-
Total deductions	\$ 35,253,740
Net increase (decrease) in Net Position	\$ (18,826,111)
Prior Period Adjustments	\$ -
NET POSITION RESTRICTED FOR PENSIONS	
Beginning of year	\$ 467,997,698
End of year	\$ 449,171,587

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

PLAN DESCRIPTION

The State Police Retirement Fund (SPRF) is a defined benefit, single-employer PERS, and is administered by the Treasurer of the State of Indiana as Trustee under a Pension Trust Agreement with the Indiana Department of State Police. Indiana Code 10-12-2-2 grants authority to the Department to establish and operate an actuarially sound pension plan governed by a pension trust. It also authorizes the Department to make annual contributions as necessary to prevent any deterioration in the actuarial status of the trust. The State Police Retirement Fund does not issue a stand-alone financial report. The SPRF's financial statements are included in the State of Indiana's CAFR as part of the statements presented with fiduciary funds.

At June 30, 2015, Plan membership consisted of the following:

Inactive plan members or beneficiaries currently receiving benefits	1,588
Inactive plan members or beneficiaries entitled to but not yet receiving benefits	174
Active plan members	<u>1,187</u>
Total	<u><u>2,949</u></u>

The SPRF includes the Pre-1987 Benefit System and the 1987 Benefit System. The term "Pre-1987 Benefit System" shall refer to the plan and the benefits provided to Employee Beneficiaries who are first employed as Employees by the Department before July 1, 1987, and who did not elect to be covered by the 1987 Benefit System in accordance with the provisions of Section 31 of the Trust Agreement. Any benefits provided to former Employees who qualified for such benefits under the terms of the Trust Agreement as in effect prior to July 1, 1987, shall also be deemed part of the Pre-1987 Benefit System. The term "1987 Benefit System" shall refer to the plan and the benefits provided to Employee Beneficiaries who are first employed as Employees by the Department on or after July 1, 1987, and to those Employee Beneficiaries who were first employed before July 1, 1987, provided they elected to be covered by the 1987 Benefit System in accordance with the provisions of Section 31 of the Trust Agreement.

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68
Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

PLAN DESCRIPTION (continued)

BENEFITS PROVIDED

Pre-1987 Plan - The Pre 1987 Plan provides that the basic monthly pension amount is one-half of the average monthly wages during the 12 months prior to retirement plus \$20. However, the monthly wages used for this purpose may not exceed the monthly salary of a sixth-year trooper.

In addition to the basic retirement benefit described above, a plan member with over 20 years of service will receive the following incremental increases:

2% of the basic amount for each of the next 2 years over 20 years; 3% of the basic amount for each of the next 2 years over 22 years; 4% of the basic amount for each of the next 2 years over 24 years; 5% of the basic amount for each of the next 2 years over 26 years; 6% of the basic amount for each of the next 2 years over 28 years; 7% of the basic amount for each of the next 2 years over 30 years; 8% of the basic amount for each of the next 2 years over 32 years.
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However, the total of these additional amounts may not exceed 70% of the basic pension amount, according to IC 10-12-3-7 (c).

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

PLAN DESCRIPTION (continued)

1987 Plan - The 1987 Plan provides that the basic monthly pension amount may not exceed one half of the member's average monthly salary received during the member's highest-paid three years before retirement. Members retiring from July 1, 1987, through June 30, 1988, may not receive a basic monthly benefit greater than 50% of the maximum salary of a first sergeant. Members retiring from July 1, 1988, through June 30, 1989, may not receive a basic monthly benefit greater than 50% of the maximum salary of a captain.

In addition to the basic retirement benefit described above, a Plan member with over 25 years of service will receive the following incremental increases:

5% of basic amount for each of the next 3 years over 25 years; 6% of basic amount for each of the next 2 years over 28 years; 7% of basic amount for each of the next 2 years over 30 years; 8% of basic amount for each of the next 2 years over 32 years.
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However, the total of these additional amounts may not exceed 70% of the basic pension amount, according to IC 10-12-4-7 (e).
Plan document limit is 57%

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

PLAN DESCRIPTION (continued)

DISABILITY BENEFITS

The regular disability benefit for a disabled member may not exceed the maximum basic pension amount. If the member's disability was incurred in the line of duty, the member is entitled to an additional \$40 per month for each dependent parent or dependent child under age 18.

If a member is permanently and totally disabled by a catastrophic personal injury that: (1) is sustained in the line of duty after January 1, 2001; and (2) permanently prevents the member from performing any gainful work; the member is entitled to a disability benefit equal to the member's salary at the commencement of the disability in lieu of the regular disability benefit. The member is also entitled to increases in the disability benefit equal to the salary increases that the member would have received had the member remained in active service.

A member who meets the conditions listed in IC 5-10-13 has a presumption that a total or partial disability or death resulting from a health condition caused by AIDS, anthrax, hepatitis, HIV, meningococcal meningitis, smallpox, or tuberculosis is a disability or death incurred in the line of duty. In addition, a member who meets the conditions listed in IC 5-10-15 has a presumption that a total or partial disability resulting from an exposure-related cancer, or heart or lung disease is a disability incurred in the line of duty. These presumptions may be rebutted by competent evidence. A meeting or hearing held to rebut a presumption may be held as an executive session under IC 5-14-1.5-6.1(b)(1). A presumption affects only the determination as to whether a disability or death was incurred in the line of duty and does not change the requirements for determining eligibility for disability benefits.

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

PLAN DESCRIPTION (continued)

SURVIVOR BENEFITS

A member's survivor is entitled to a supplemental death benefit of not more than \$14,500 for employee beneficiaries who die before July 1, 2013. For employee beneficiaries who die after June 30, 2013, the amount of supplemental death benefits may not exceed \$20,000. The maximum monthly pension payable to surviving spouses or a dependent mother and father of a member killed in the line of duty may not exceed the current basic monthly pension amount paid to retirees or, upon a retiree's death, one half of the deceased officer's monthly benefit.

A dependent child entitled to survivor benefits may receive a maximum of 30% of the basic monthly pension currently being paid to retirees. Total benefits paid to all of a member's surviving dependent children may not exceed the basic monthly pension currently being paid to retirees.

CONTRIBUTIONS

Employees covered by benefit terms. As of June 30, 2015, the following employees were covered by the benefit terms of the SPRF:

	<u>Pre-1987 Plan</u>	<u>1987 Plan</u>
Inactive employees or beneficiaries currently receiving benefits	884	723
Inactive employees entitled to but not yet receiving benefits	9	147
Active employees	36	1,151
Total	<u>929</u>	<u>2,021</u>

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

PLAN DESCRIPTION (continued)

Members of the Pre 1987 Plan contribute 5% of the member's wages (not including overtime and limited to sixth-year trooper pay). Members of the 1987 Plan contribute 6% of the member's wages (not including overtime). A member who receives a disability pension does not make contributions to the member's fund.

Periodic employer contributions to the pension plan are determined on an actuarial basis using the entry age normal cost actuarial method. Normal cost is funded on a current basis. Under the terms of the Trust Agreement, in the event the Department fails to make the minimum contribution for five successive years, the Trust shall terminate and the fund shall be liquidated. The unfunded actuarial accrued liability is being funded over a thirty-year closed period which commenced July 1, 2010. Periodic contributions for both normal cost and the amortization of the unfunded actuarial accrued liability are based on the level dollar of payroll method. The funding policy for normal cost and unfunded actuarial accrued liability should provide sufficient resources to pay employee pension benefits on a timely basis. For the year ended June 30, 2015, the State's contribution rate was 20.4 percent of payroll.

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

PLAN DESCRIPTION (continued)

DEFERRED RETIREMENT OPTION PROGRAM

The Deferred Retirement Option (DROP) for the State Police Retirement Fund was established in 2001 pursuant to the Pension Trust Agreement and is governed by the Department of the State Police and the Treasurer of the State of Indiana (Trustee). Members of the Pre-1987 and 1987 plans that are eligible to retire may elect to accumulate a DROP benefit while continuing to work. At the time of their election, the member executes an irrevocable election to retire on a DROP retirement date and remain in active service, but the member does not contribute to the fund during the DROP period. For the Pre-87 Plan, when an employee has completed 20 years of service or more, he/she may irrevocably elect to enter the DROP for a period ending the earlier of (1) 36 consecutive months, (2) completion of 34 years of service, or (3) attainment of age 65. An employee on disability cannot enter the DROP. From the date the employee enters the DROP, he/she will not be credited with any additional years of service. The employees DROP accrual will be equal to the basic monthly retirement benefit. At the end of the DROP period, the employee must separate from employment and retire. Upon separation, the employee will receive their accumulated DROP benefit in the form of a lump sum payment, a rollover to another retirement program, or a combination of both. For the 1987 Plan, all DROP requirements are the same as the Pre-87 plan, except that the employee must have completed 25 years of service or more. The DROP and future retirement monthly benefit is calculated as of the member's DROP entry date. At the time of retirement, the member must choose among the available options for distribution of the accumulated benefit under the DROP. As of June 30, 2015, the amount held by the plan pursuant to the DROP is \$481,084.

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68
Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

NET PENSION LIABILITY OF THE PLAN

The SPRF's net pension liability was measured as of June 30, 2015, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of that date. The components of the net pension liability of the SPRF at June 30, 2015 were as follows:

Total pension liability	\$ 570,380,409
Plan fiduciary net position	(449,171,587)
	<hr/>
Plan's net pension liability	<u>\$ 121,208,822</u>
Plan fiduciary net position as a percentage of the total pension liability	78.75%

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

CHANGES IN THE NET PENSION LIABILITY

	Increase (Decrease)		
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Balances at 6/30/14	\$ 540,797	\$ 467,998	\$ 72,799
Changes for the year:			
Service cost	14,356	-	14,356
Interest	35,911	-	35,911
Changes in benefit terms	-	-	-
Plan amendments	275	-	275
Differences between expected and actual experience	5,041	-	5,041
Changes of assumptions or other inputs	8,955	-	8,955
Contributions - employer	-	13,451	(13,451)
Contributions - employee	-	3,967	(3,967)
Net investment income	-	(1,000)	1,000
Benefit payments, including refunds of employee contributions	(34,955)	(34,955)	-
Administrative expense	-	(298)	298
Other changes	-	9	(9)
Net changes	<u>29,583</u>	<u>(18,826)</u>	<u>48,409</u>
Balances at 6/30/15	<u>570,380</u>	<u>449,172</u>	<u>121,208</u>

PENSION EXPENSE OF THE PLAN

Pension expense of \$21,739,661 must be recognized for the fiscal year ending June 30, 2015.

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

SIGNIFICANT ACTUARIAL ASSUMPTIONS

The total pension liability in the June 30, 2015 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

	Pre-1987 Plan	1987 Plan
Interest rate/investment return	6.75%	6.75%
Interest on member balances	3.00%	3.00%
Future salary increases, which includes inflation and cost of living increases	3.50%	9% age 26 & younger; reduced 0.5% through age 35; 4% age 36 and older

Mortality rates for healthy members were based on the RP-2014 Blue Collar Mortality Tables adjusted from 2006 using MP-2015 Mortality Improvement Scale. Mortality rates for disabled members were based on the RP-2014 Mortality tables for disabled members adjusted from 2006 using MP-2015 Mortality Improvement Scale.

The most recent comprehensive experience study was completed in 2011 and was based on member experience between June 30, 2005 and June 30, 2010. The demographic assumptions were updated as needed for the June 30, 2011 actuarial valuation based on the results of the study.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best estimates of expected future rates of return (expected returns, net of pension plan investment expense) were developed for each major asset class. These estimated returns were combined to produce the long-term expected rate of return by weighting the expected future rates of return by the target asset allocation percentage. Development of the long-term investment return is shown on the following page:

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

SIGNIFICANT ACTUARIAL ASSUMPTIONS (continued)

<u>Asset Class</u>	<u>Target Allocation (%)</u>	<u>Long-Term Expected Real Rate of Return (%)</u>
Broad domestic equity	29.0	7.7
Global ex U.S. equity	13.0	7.9
Defensive fixed income	4.0	2.4
Domestic fixed income	17.0	3.0
High yield fixed income	5.0	5.0
Hedge funds - alternatives	30.0	5.3
Cash and equivalents	2.0	2.3
Total	<u>100.0</u>	

The discount rate used to measure the total pension liability was 6.75%. The projection of cash flows used to determine the discount rate assumed that plan member contributions will be made at the current contribution rate and that State contributions will be made at rates equal to the difference between the actuarially determined contribution rates and the member rate. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Revised Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

SENSITIVITY OF THE NET PENSION LIABILITY TO CHANGES IN THE DISCOUNT RATE

The following presents the net pension liability of the SPRF, calculated using the discount rate of 6.75%, as well as what the SPRF's net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower (5.75%) or 1-percentage-point higher (7.75%) than the current rate:

	<u>1% Decrease (5.75%)</u>	<u>Current Discount Rate (6.75%)</u>	<u>1% Increase (7.75%)</u>
1. Total Pension Liability	\$ 642,164,825	\$ 570,380,409	\$ 510,564,717
2. Plan Fiduciary Net Position	449,171,587	449,171,587	449,171,587
3. Net Pension Liability (Asset) = (1) - (2)	<u><u>\$ 192,993,238</u></u>	<u><u>\$ 121,208,822</u></u>	<u><u>\$ 61,393,130</u></u>

REQUIRED PENSION DISCLOSURE UNDER GASB #68

Revised Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

At June 30, 2015, the deferred outflows / (inflows) of resources based on obligations for the Plan are as follows:

	<u>Initial Balance</u>	<u>Initial Amortization Period</u>	<u>Annual Recognition</u>	<u>June 30, 2015 Balance</u>
Liability experience losses/(gains)				
Base for year ending June 30, 2015	\$ 4,764,995	6.028	\$ 790,477	\$ 3,974,518
Base for year ending June 30, 2014	780,122	5.922	131,733	516,656
Base for year ending June 30, 2013	-	N/A	-	-
Base for year ending June 30, 2012	-	N/A	-	-
Base for year ending June 30, 2011	-	N/A	-	-
Changes in assumptions				
Base for year ending June 30, 2015	\$ 9,229,689	6.028	\$ 1,531,136	\$ 7,698,553
Base for year ending June 30, 2014	774,897	5.922	130,851	513,195
Base for year ending June 30, 2013	-	N/A	-	-
Base for year ending June 30, 2012	-	N/A	-	-
Base for year ending June 30, 2011	-	N/A	-	-
Investment losses/(gains)				
Base for year ending June 30, 2015	\$ 31,927,575	5.000	\$ 6,385,515	\$ 25,542,060
Base for year ending June 30, 2014	(15,845,725)	5.000	(3,169,145)	(9,507,435)
Base for year ending June 30, 2013	-	N/A	-	-
Base for year ending June 30, 2012	-	N/A	-	-
Base for year ending June 30, 2011	-	N/A	-	-
Total			\$ 5,800,567	\$ 28,737,547

REQUIRED PENSION DISCLOSURE UNDER GASB #68

Revised Notes to the Financial Statements for Fiscal Year Ending June 30, 2015

The balances as of June 30, 2015 of the deferred outflows / (inflows) of resources will be recognized in pension expense as follows:

Fiscal Year End

June 30, 2016	\$ 5,800,567
June 30, 2017	5,800,567
June 30, 2018	5,800,567
June 30, 2019	8,949,230
June 30, 2020	2,321,613
June 30, 2021	65,005
Thereafter	-

Amortization periods: The changes in total pension liability due to liability experience losses/(gains) and changes in assumptions for the most current year have been amortized over 6.028 years, the average remaining service of all members with any liability in the plan as of July 1, 2014. The change in net pension liability due to investment losses/(gains) has been amortized over 5.000 years as prescribed.

Assumption changes: The changes in assumptions for base year ending June 30, 2015 reflect the change from the use of IRS Combined Mortality Tables for Small Plans (separate male and female tables) as prescribed for use in corporate valuations for 2014 to the RP-2014 Blue Collar Mortality Tables adjusted from 2006 using MP-2015 Mortality Improvement Scale.

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Revised Schedule of Changes in the Net Pension Liability for Fiscal Year Ending June 30, 2015

	<u>2013</u>	<u>2014</u>	<u>2015</u>
TOTAL PENSION LIABILITY			
Service cost	\$ 13,576,000	\$ 13,747,000	\$ 14,356,398
Interest	33,758,180	34,935,000	35,912,003
Changes in plan provisions	147,000	269,000	274,657
Difference between expected and actual experience	1,112,054	780,122	4,764,995
Change in assumptions	533,051	774,897	9,229,689
Benefit payments	30,723,952	(32,922,858)	(34,954,732)
Net change in Total Pension Liability	<u>\$ 18,402,285</u>	<u>\$ 17,581,441</u>	<u>\$ 29,583,010</u>
Total Pension Liability - BOY	<u>\$ 504,814,363</u>	<u>\$ 523,215,958</u>	<u>\$ 540,797,399</u>
Total Pension Liability - EOY (1)	<u><u>\$ 523,216,648</u></u>	<u><u>\$ 540,797,399</u></u>	<u><u>\$ 570,380,409</u></u>
PLAN FIDUCIARY NET POSITION			
Employer contributions	\$ 47,588,000	\$ 14,004,887	\$ 13,450,512
Member contributions	3,786,191	3,763,113	3,967,047
Net transfers into (out of) trust	-	-	-
Net investment income	29,787,000	44,884,547	(989,929)
Benefit payments	(30,723,952)	(32,922,858)	(34,954,732)
Administrative expenses	(261,000)	(306,793)	(300,729)
Other	2,000	(14,737)	-
Net change in Plan Fiduciary Net Position	<u>\$ 50,178,239</u>	<u>\$ 29,408,159</u>	<u>\$ (18,827,831)</u>
Plan Fiduciary Net Position - BOY	<u>\$ 388,410,000</u>	<u>\$ 438,587,820</u>	<u>\$ 467,997,698</u>
Plan Fiduciary Net Position - EOY (2)	<u><u>\$ 438,587,820</u></u>	<u><u>\$ 467,997,698</u></u>	<u><u>\$ 449,171,587</u></u>
Net Pension Liability (Asset) - EOY (1) - (2)	<u><u>\$ 84,628,828</u></u>	<u><u>\$ 72,799,701</u></u>	<u><u>\$ 121,208,822</u></u>

Notes to Schedule

The cost and effort required to re-create the financial statement information for the prior 10 years was not practical. Information was prepared prospectively from June 30, 2012 for GASB # 67 purposes and prospectively from June 30, 2013 for GASB # 68 purposes.

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68
Revised Schedule of the Pension Liability for Fiscal Year Ending June 30, 2015

	2014	2015
1. Total Pension Liability	\$ 540,797,399	\$ 570,380,409
2. Plan Fiduciary Net Position	467,997,698	449,171,587
	72,799,701	121,208,822
3. Net Pension Liability (Asset) = (1) - (2)		
4. Plan Fiduciary Net Position as a percentage of the Total Pension Liability = (2) / (1)	86.54%	78.75%
5. Covered-employee payroll	\$ 68,490,381	\$ 68,219,064
6. Net Pension Liability (Asset) as a percentage of covered-employee payroll = (3) / (5)	106.29%	177.68%

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Schedule of Contributions for Fiscal Years Ending June 30

	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
1. Actuarially determined contribution	\$ 12,666,055	\$ 9,472,493	\$ 9,173,931	\$ 10,361,583	\$ 14,229,907
2. Contributions in relation to the actuarially determined	<u>7,535,612</u>	<u>12,113,595</u>	<u>9,412,228</u>	<u>9,472,493</u>	<u>9,471,135</u>
3. Contribution deficiency (excess) = (1) - (2)	<u>\$ 5,130,443</u>	<u>\$ (2,641,102)</u>	<u>\$ (238,297)</u>	<u>\$ 889,090</u>	<u>\$ 4,758,772</u>
4. Covered-employee payroll	\$ 54,156,357	\$ 59,862,892	\$ 65,421,105	\$ 68,283,255	\$ 66,603,419
5. Contributions recognized as a percentage of covered-employee payroll = (2) / (4)	<u>13.91%</u>	<u>20.24%</u>	<u>14.39%</u>	<u>13.87%</u>	<u>14.22%</u>

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Schedule of Contributions for Fiscal Years Ending June 30

(Continued)

	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
1. Actuarially determined contribution	\$ 12,266,567	\$ 14,517,041	\$ 14,509,454	\$ 13,869,455	\$ 13,886,453
2. Contributions in relation to the actuarially determined	<u>9,449,670</u>	<u>44,039,964</u>	<u>12,367,074</u>	<u>10,603,145</u>	<u>10,218,000</u>
3. Contribution deficiency (excess) = (1) - (2)	<u>\$ 2,816,897</u>	<u>\$ (29,522,923)</u>	<u>\$ 2,142,380</u>	<u>\$ 3,266,310</u>	<u>\$ 3,668,453</u>
4. Covered-employee payroll	\$ 64,947,968	\$ 66,083,075	\$ 63,346,657	\$ 68,490,381	\$ 68,219,064
5. Contributions recognized as a percentage of covered-employee payroll = (2) / (4)	<u>14.55%</u>	<u>66.64%</u>	<u>19.52%</u>	<u>15.48%</u>	<u>14.98%</u>

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Schedule of Contributions for Fiscal Years Ending June 30

Notes to Schedule

Valuation date:

June 30, 2015

Methods and assumptions used to determine most current contribution rate above:

Actuarial cost method	Entry age normal
Amortization method	Level percentage of payroll, closed
Remaining amortization period	25 years
Asset valuation method	4 year smoothed value
Inflation	3.50%
Salary Increases	3.5% for the pre-1987 plan; For the 1987 plan, 9% at ages 26 and younger, annual increase reduced 0.5% per year reaching 4% at age 36, annual increases of 4% at ages 36 and older.
Investment rate of return	6.75%, net of pension plan investment expense, including inflation
Retirement Age	Pre-1987 Plan - Retirement rates are based on age with 10% assumed to retire at ages 42-45, 7.5% at ages 46-54, 10% at 55, 12.5% at 56, 15% at 57, 20% at 58, 40% at ages 59 and older, except 100% at 65 (with at least 20 years of service). Based on experience study through June 30, 2010. 1987 Plan - Retirement rates are based on years of service with 15% assumed to retire at 25 years of service, 12.5% at 26 years, 10% at 27 years, 7.5% at years 28 and 29, 10% at 30 years, 12.5% at 31 years, 15% at 32 years, 40% at 33 years, and 27.5% at 34 or more years, except 100% at age 65 (with at least 25 years of service). Based on experience study through June 30, 2010.
Mortality	RP-2014 Blue Collar Mortality Tables adjusted to 2006 with MP-2015 Mortality

Other Information:

Actuarially determined contribution rates are calculated as of July 1, one year prior to the end of the fiscal year in which contributions are reported. For the July 1, 2015 actuarial valuation, the mortality tables were revised from the 2014 IRS separate non-annuitant and annuitant mortality tables to the RP-2014 Blue Collar Mortality Tables adjusted from 2006 using MP-2015 Mortality Improvement Scale.

REQUIRED PENSION DISCLOSURE UNDER GASB #67
Schedule of Investment Returns for Fiscal Years Ending June 30

	<u>2013</u>	<u>2014</u>	<u>2015</u>
Annual money-weighted rate of return *	7.51%	10.42%	(0.26%)

* Only three years of Investment Returns are shown due to the fact that they are the only three years with an actual money-weighted rate of return. Years prior to 2013 used a different weight for the Investment Return calculation.

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Table 1: Projection of Contributions for fiscal years ending June 30

Year	Projected Covered-Employee Payroll			Projected Contributions					
	Payroll for Pre-1987 Employees (a1)	Payroll for current 1987 Employees (a2)	Payroll for Current Employees (a) = (a1) + (a2)	Payroll for Future Employees (b)	Total Employee Payroll* (c) = (a) + (b)	Contributions from Current Employees (d) = (a1) x 5.00% + (a2) x 6.00%	Contributions for Current Employees (e)	Contributions Related to Payroll of Future Employees** (f)	Total Contributions (g) = (d) + (e) + (f)
2015	\$ 2,429,795	\$ 65,944,441	68,374,236	\$ -	\$ 68,374,236	\$ 3,967,047	\$ 10,218,000	\$ -	\$ 14,185,047
2016	1,939,708	66,978,818	68,918,526	2,178,531	71,097,057	4,115,714	16,718,060	130,712	20,964,486
2017	1,554,936	67,819,055	69,373,990	4,557,251	73,931,241	4,146,890	17,294,544	273,435	21,714,869
2018	1,211,643	68,733,993	69,945,635	6,935,080	76,880,715	4,184,622	18,189,619	416,105	22,790,345
2019	933,282	69,439,749	70,373,032	9,576,854	79,949,885	4,213,049	18,348,890	574,611	23,136,550
2020	712,256	69,864,593	70,576,849	12,566,365	83,143,214	4,227,488	18,511,314	753,982	23,492,785
2021	504,873	69,158,106	69,662,979	16,802,403	86,465,381	4,174,730	18,676,949	1,008,144	23,859,823
2022	346,869	68,153,820	68,500,689	21,420,784	89,921,472	4,106,573	18,845,851	1,285,247	24,237,671
2023	214,938	67,315,900	67,530,838	25,985,759	93,516,597	4,049,701	19,018,076	1,559,146	24,626,922
2024	133,391	66,561,576	66,694,967	30,561,219	97,256,186	4,000,364	19,193,680	1,833,673	25,027,718
2025	77,177	65,162,369	65,239,546	35,906,221	101,145,767	3,913,601	19,372,718	2,154,373	25,440,692
2026	46,072	63,316,323	63,362,395	41,828,816	105,191,212	3,801,283	19,555,241	2,509,729	25,866,253
2027	22,137	61,418,388	61,440,525	47,958,105	109,398,629	3,686,210	19,741,301	2,877,486	26,304,997
2028	10,208	59,479,506	59,489,714	54,284,750	113,774,464	3,569,281	19,930,940	3,257,085	26,757,306
2029	2,608	57,403,417	57,406,025	60,919,366	118,325,391	3,444,335	20,124,199	3,655,162	27,223,696
2030	1,598	55,599,516	55,601,114	67,457,280	123,058,394	3,336,051	20,321,106	4,047,437	27,704,594
2031	-	53,810,372	53,810,372	74,170,350	127,980,721	3,228,622	20,521,677	4,450,221	28,200,520
2032	-	51,775,890	51,775,890	81,324,060	133,099,950	3,106,553	20,725,903	4,879,444	28,711,900
2033	-	47,945,296	47,945,296	90,478,652	138,423,948	2,876,718	20,933,742	5,428,719	29,239,179
2034	-	44,038,612	44,038,612	99,922,294	143,960,906	2,642,317	21,145,087	5,995,338	29,782,742
2035	-	40,870,855	40,870,855	108,848,487	149,719,342	2,452,251	21,359,722	6,530,909	30,342,882
2036	-	38,522,036	38,522,036	117,186,080	155,708,116	2,311,322	21,577,205	7,031,165	30,919,692
2037	-	36,261,847	36,261,847	125,674,594	161,936,441	2,175,711	21,796,569	7,540,476	31,512,755
2038	-	33,320,987	33,320,987	135,092,912	168,413,899	1,999,259	22,015,263	8,105,575	32,120,097
2039	-	30,240,998	30,240,998	144,909,457	175,150,455	1,814,460	22,222,821	8,694,567	32,731,848
2040	-	26,547,635	26,547,635	155,608,838	182,156,473	1,592,858	12,479,149	9,336,530	23,408,537
2041	-	22,058,894	22,058,894	167,383,838	189,442,732	1,323,534	12,728,732	10,043,030	24,095,296
2042	-	18,606,593	18,606,593	178,413,848	197,020,441	1,116,396	12,983,306	10,704,831	24,804,533
2043	-	16,113,828	16,113,828	188,787,431	204,901,259	966,830	13,242,972	11,327,246	25,537,048
2044	-	13,801,037	13,801,037	199,296,272	213,097,309	828,062	13,507,832	11,957,776	26,293,670
2045	-	11,397,535	11,397,535	210,223,666	221,621,201	683,852	13,777,988	12,613,420	27,075,261
2046	-	9,225,087	9,225,087	221,260,962	230,486,049	553,505	14,053,548	13,275,658	27,882,711
2047	-	7,111,360	7,111,360	232,594,131	239,705,491	426,682	14,334,619	13,955,648	28,716,949
2048	-	4,980,715	4,980,715	244,312,996	249,293,711	298,843	14,621,312	14,658,780	29,578,934
2049	-	3,373,767	3,373,767	255,891,692	259,265,459	202,426	14,913,738	15,353,502	30,469,665
2050	-	2,364,834	2,364,834	267,271,243	269,636,077	141,890	15,212,013	16,036,275	31,390,177
2051	-	1,600,723	1,600,723	278,820,797	280,421,520	96,043	15,516,253	16,729,248	32,341,544
2052	-	1,069,812	1,069,812	290,568,569	291,638,381	64,189	15,826,578	17,434,114	33,324,881
2053	-	662,167	662,167	302,641,749	303,303,916	39,730	16,143,109	18,158,505	34,341,344
2054	-	419,937	419,937	315,016,136	315,436,073	25,196	16,465,972	18,900,968	35,392,136
2055	-	210,375	210,375	327,843,141	328,053,516	12,622	16,795,291	19,670,588	36,478,502
2056	-	111,579	111,579	341,064,078	341,175,657	6,695	17,131,197	20,463,845	37,601,736
2057	-	29,626	29,626	354,793,057	354,822,683	1,778	17,473,821	21,287,583	38,763,182
2058	-	7,773	7,773	369,007,817	369,015,590	466	17,823,297	22,140,469	39,964,233
2059	-	-	-	383,776,214	383,776,214	-	18,179,763	23,026,573	41,206,336
2060	-	-	-	399,127,263	399,127,263	-	18,543,358	23,947,636	42,490,994
2061	-	-	-	415,092,354	415,092,354	-	18,914,226	24,905,541	43,819,767

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Table 1: Projection of Contributions for fiscal years ending June 30

Year	Projected Covered-Employee Payroll					Projected Contributions				
	Payroll for Pre-1987 Employees (a1)	Payroll for current 1987 Employees (a2)	Payroll for Current Employees (a) = (a1) + (a2)	Payroll for Future Employees (b)	Total Employee Payroll* (c) = (a) + (b)	Contributions from Current Employees (d) = (a1) x 5.00% + (a2) x 6.00%	Contributions for Current Employees (e)	Contributions Related to Payroll of Future Employees** (f)	Total Contributions (g) = (d) + (e) + (f)	
2062	-	-	-	431,696,048	431,696,048	\$ -	19,292,510	\$ 25,901,763	45,194,273	
2063	-	-	-	448,963,890	448,963,890	\$ -	19,678,360	\$ 26,937,833	46,616,194	
2064	-	-	-	466,922,446	466,922,446	\$ -	20,071,928	\$ 28,015,347	48,087,274	
2065	-	-	-	485,599,344	485,599,344	\$ -	20,473,366	\$ 29,135,961	49,609,327	
2066	-	-	-	505,023,318	505,023,318	\$ -	20,882,833	\$ 30,301,399	51,184,232	
2067	-	-	-	525,224,251	525,224,251	\$ -	21,300,490	\$ 31,513,455	52,813,945	
2068	-	-	-	546,233,221	546,233,221	\$ -	21,726,500	\$ 32,773,993	54,500,493	
2069	-	-	-	568,082,550	568,082,550	\$ -	22,161,030	\$ 34,084,953	56,245,983	
2070	-	-	-	590,805,852	590,805,852	\$ -	22,604,250	\$ 35,448,351	58,052,602	
2071	-	-	-	614,438,086	614,438,086	\$ -	23,056,335	\$ 36,866,285	59,922,621	
2072	-	-	-	639,015,609	639,015,609	\$ -	23,517,462	\$ 38,340,937	61,858,399	
2073	-	-	-	664,576,233	664,576,233	\$ -	23,987,811	\$ 39,874,574	63,862,385	
2074	-	-	-	691,159,282	691,159,282	\$ -	24,467,568	\$ 41,469,557	65,937,125	
2075	-	-	-	718,805,653	718,805,653	\$ -	24,956,919	\$ 43,128,339	68,085,258	
2076	-	-	-	747,557,879	747,557,879	\$ -	25,456,057	\$ 44,853,473	70,309,530	
2077	-	-	-	777,460,194	777,460,194	\$ -	25,965,179	\$ 46,647,612	72,612,790	
2078	-	-	-	808,558,602	808,558,602	\$ -	26,484,482	\$ 48,513,516	74,997,998	
2079	-	-	-	840,900,946	840,900,946	\$ -	27,014,172	\$ 50,454,057	77,468,229	
2080	-	-	-	874,536,984	874,536,984	\$ -	27,554,455	\$ 52,472,219	80,026,674	
2081	-	-	-	909,518,463	909,518,463	\$ -	28,105,544	\$ 54,571,108	82,676,652	
2082	-	-	-	945,899,202	945,899,202	\$ -	28,667,655	\$ 56,753,952	85,421,607	
2083	-	-	-	983,735,170	983,735,170	\$ -	29,241,008	\$ 59,024,110	88,265,118	
2084	-	-	-	1,023,084,577	1,023,084,577	\$ -	29,825,828	\$ 61,385,075	91,210,903	
2085	-	-	-	1,064,007,960	1,064,007,960	\$ -	30,422,345	\$ 63,840,478	94,262,823	
2086	-	-	-	1,106,568,278	1,106,568,278	\$ -	31,030,792	\$ 66,394,097	97,424,889	
2087	-	-	-	1,150,831,009	1,150,831,009	\$ -	31,651,408	\$ 69,049,861	100,701,268	
2088	-	-	-	1,196,864,249	1,196,864,249	\$ -	32,284,436	\$ 71,811,855	104,096,291	
2089	-	-	-	1,244,738,819	1,244,738,819	\$ -	32,930,125	\$ 74,684,329	107,614,454	
2090	-	-	-	1,294,528,372	1,294,528,372	\$ -	33,588,727	\$ 77,671,702	111,260,429	
2091	-	-	-	1,346,309,507	1,346,309,507	\$ -	34,260,502	\$ 80,778,570	115,039,072	
2092	-	-	-	1,400,161,887	1,400,161,887	\$ -	34,945,712	\$ 84,009,713	118,955,425	
2093	-	-	-	1,456,168,362	1,456,168,362	\$ -	35,644,626	\$ 87,370,102	123,014,728	
2094	-	-	-	1,514,415,096	1,514,415,096	\$ -	36,357,518	\$ 90,864,906	127,222,424	
2095	-	-	-	1,574,991,700	1,574,991,700	\$ -	37,084,669	\$ 94,499,502	131,584,171	
2096	-	-	-	1,637,991,368	1,637,991,368	\$ -	37,826,362	\$ 98,279,482	136,105,844	
2097	-	-	-	1,703,511,023	1,703,511,023	\$ -	38,582,889	\$ 102,210,661	140,793,551	
2098	-	-	-	1,771,651,464	1,771,651,464	\$ -	39,354,547	\$ 106,299,088	145,653,635	
2099	-	-	-	1,842,517,523	1,842,517,523	\$ -	40,141,638	\$ 110,551,051	150,692,690	
2100	-	-	-	1,916,218,224	1,916,218,224	\$ -	40,944,471	\$ 114,973,093	155,917,564	
2101	-	-	-	1,992,866,953	1,992,866,953	\$ -	41,763,360	\$ 119,572,017	161,335,378	
2102	-	-	-	2,072,581,631	2,072,581,631	\$ -	42,598,628	\$ 124,354,898	166,953,525	
2103	-	-	-	2,155,484,896	2,155,484,896	\$ -	43,450,600	\$ 129,329,094	172,779,694	
2104	-	-	-	2,241,704,292	2,241,704,292	\$ -	44,319,612	\$ 134,502,258	178,821,870	
2105	-	-	-	2,331,372,464	2,331,372,464	\$ -	45,206,004	\$ 139,882,348	185,088,352	
2106	-	-	-	2,424,627,363	2,424,627,363	\$ -	46,110,124	\$ 145,477,642	191,587,766	
2107	-	-	-	2,521,612,458	2,521,612,458	\$ -	47,032,327	\$ 151,296,747	198,329,074	
2108	-	-	-	2,622,476,956	2,622,476,956	\$ -	47,972,973	\$ 157,348,617	205,321,591	
2109	-	-	-	2,727,376,034	2,727,376,034	\$ -	48,932,433	\$ 163,642,562	212,574,995	

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Table 2: Projection of Plan Fiduciary Net Position for fiscal years ending June 30

Year	Projected Beginning Fiduciary Net Position (a)	Projected Total Contributions* (b)	Projected Benefit Payments (c)	Projected Administrative Expense (d)	Projected Investment Earnings (e)	Projected Ending Fiduciary Net Position (f) = (a) + (b) - (c) - (d) + (e)
2015	\$ 467,997,698	\$ 14,185,047	\$ 31,720,500	\$ 300,800	\$ (989,858)	\$ 449,171,587
2016	449,171,587	20,964,486	31,530,516	308,540	29,952,065	468,249,082
2017	468,249,082	21,714,869	32,781,147	316,540	31,222,643	488,088,907
2018	488,088,907	22,790,345	33,495,248	325,122	32,573,738	509,632,621
2019	509,632,621	23,136,550	34,236,890	333,902	34,014,296	532,212,675
2020	532,212,675	23,492,785	35,050,344	342,817	35,522,718	555,835,017
2021	555,835,017	23,859,823	36,208,331	350,590	37,090,269	580,226,188
2022	580,226,188	24,237,671	37,711,930	358,443	38,698,414	605,091,899
2023	605,091,899	24,626,922	39,108,396	366,935	40,342,569	630,586,059
2024	630,586,059	25,027,718	40,417,626	376,015	42,032,459	656,852,595
2025	656,852,595	25,440,692	41,776,076	384,592	43,773,251	683,905,870
2026	683,905,870	25,866,253	43,439,140	393,003	45,557,297	711,497,277
2027	711,497,277	26,304,997	45,058,444	401,731	47,379,579	739,721,678
2028	739,721,678	26,757,306	46,789,683	410,909	49,241,252	768,519,643
2029	768,519,643	27,223,696	48,542,385	420,211	51,141,388	797,922,132
2030	797,922,132	27,704,594	50,271,698	430,154	53,083,586	828,008,460
2031	828,008,460	28,200,520	51,825,030	440,432	55,078,379	859,021,897
2032	859,021,897	28,711,900	53,451,419	450,593	57,133,812	890,965,597
2033	890,965,597	29,239,179	55,580,320	458,482	59,235,691	923,401,665
2034	923,401,665	29,782,742	57,989,439	466,541	61,361,891	956,090,318
2035	956,090,318	30,342,882	60,199,082	475,904	63,512,388	989,270,602
2036	989,270,602	30,919,692	61,873,982	486,690	65,714,633	1,023,544,255
2037	1,023,544,255	31,512,755	63,040,119	497,799	68,008,388	1,059,527,480
2038	1,059,527,480	32,120,097	64,327,559	508,193	70,413,952	1,097,225,777
2039	1,097,225,777	32,731,848	65,669,694	518,713	72,933,581	1,136,702,799
2040	1,136,702,799	23,408,537	67,167,975	528,721	75,232,714	1,167,647,354
2041	1,167,647,354	24,095,296	69,000,902	537,980	77,282,475	1,199,486,243
2042	1,199,486,243	24,804,533	70,671,193	548,865	79,398,797	1,232,469,515
2043	1,232,469,515	25,537,048	71,615,299	561,219	81,617,610	1,267,447,655

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Table 2: Projection of Plan Fiduciary Net Position for fiscal years ending June 30

Year	Projected Beginning Fiduciary Net Position (a)	Projected Total Contributions* (b)	Projected Benefit Payments (c)	Projected Administrative Expense (d)	Projected Investment Earnings (e)	Projected Ending Fiduciary Net Position (f) = (a) + (b) - (c) - (d) + (e)
2044	1,267,447,655	26,293,670	72,138,565	574,036	83,986,078	1,305,014,802
2045	1,305,014,802	27,075,261	72,478,701	586,967	86,536,323	1,345,560,717
2046	1,345,560,717	27,882,711	72,732,113	600,429	89,291,417	1,389,402,304
2047	1,389,402,304	28,716,949	72,880,830	614,153	92,273,397	1,436,897,666
2048	1,436,897,666	29,578,934	72,902,574	628,040	95,507,223	1,488,453,209
2049	1,488,453,209	30,469,665	72,674,817	642,635	99,024,479	1,544,629,902
2050	1,544,629,902	31,390,177	71,976,685	657,995	102,870,516	1,606,255,915
2051	1,606,255,915	32,341,544	70,924,859	673,663	107,097,351	1,674,096,288
2052	1,674,096,288	33,324,881	69,619,210	689,581	111,753,292	1,748,865,670
2053	1,748,865,670	34,341,344	68,158,734	705,579	116,883,283	1,831,225,984
2054	1,831,225,984	35,392,136	66,512,326	721,633	122,533,092	1,921,917,253
2055	1,921,917,253	36,478,502	64,795,674	737,513	128,748,819	2,021,611,387
2056	2,021,611,387	37,601,736	62,945,112	753,212	135,578,009	2,131,092,808
2057	2,131,092,808	38,763,182	61,042,583	768,544	143,070,896	2,251,115,759
2058	2,251,115,759	39,964,233	59,052,997	783,414	151,279,628	2,382,523,209
2059	2,382,523,209	41,206,336	57,017,413	797,667	160,259,771	2,526,174,236
2060	2,526,174,236	42,490,994	54,942,955	811,137	170,069,131	2,682,980,269
2061	2,682,980,269	43,819,767	52,838,275	823,664	180,768,995	2,853,907,092
2062	2,853,907,092	45,194,273	50,706,303	835,073	192,424,514	3,039,984,503
2063	3,039,984,503	46,616,194	48,550,941	845,178	205,105,131	3,242,309,709
2064	3,242,309,709	48,087,274	46,377,033	853,785	218,884,811	3,462,050,976
2065	3,462,050,976	49,609,327	44,190,626	860,703	233,842,273	3,700,451,247
2066	3,700,451,247	51,184,232	41,998,541	865,735	250,061,258	3,958,832,461
2067	3,958,832,461	52,813,945	39,807,875	868,681	267,630,828	4,238,600,678
2068	4,238,600,678	54,500,493	37,625,780	869,370	286,645,726	4,541,251,747
2069	4,541,251,747	56,245,983	35,459,442	867,602	307,206,757	4,868,377,443
2070	4,868,377,443	58,052,602	33,315,895	863,224	329,421,207	5,221,672,133
2071	5,221,672,133	59,922,621	31,202,250	856,099	353,403,288	5,602,939,692
2072	5,602,939,692	61,858,399	29,125,539	846,104	379,274,607	6,014,101,055

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Table 2: Projection of Plan Fiduciary Net Position for fiscal years ending June 30

Year	Projected Beginning Fiduciary Net Position (a)	Projected Total Contributions* (b)	Projected Benefit Payments (c)	Projected Administrative Expense (d)	Projected Investment Earnings (e)	Projected Ending Fiduciary Net Position (f) = (a) + (b) - (c) - (d) + (e)
2073	6,014,101,055	63,862,385	27,092,516	833,134	407,164,686	6,457,202,477
2074	6,457,202,477	65,937,125	25,109,964	817,167	437,211,504	6,934,423,974
2075	6,934,423,974	68,085,258	23,184,126	798,167	469,562,093	7,448,089,032
2076	7,448,089,032	70,309,530	21,320,839	776,186	504,373,182	8,000,674,719
2077	8,000,674,719	72,612,790	19,525,803	751,329	541,811,872	8,594,822,250
2078	8,594,822,250	74,997,998	17,803,635	723,655	582,056,388	9,233,349,346
2079	9,233,349,346	77,468,229	16,157,700	693,358	625,296,910	9,919,263,426
2080	9,919,263,426	80,026,674	14,590,777	660,585	671,736,448	10,655,775,187
2081	10,655,775,187	82,676,652	13,104,896	625,519	721,591,761	11,446,313,185
2082	11,446,313,185	85,421,607	11,701,513	588,395	775,094,335	12,294,539,219
2083	12,294,539,219	88,265,118	10,382,098	549,484	832,491,404	13,204,364,159
2084	13,204,364,159	91,210,903	9,147,642	509,052	894,047,035	14,179,965,403
2085	14,179,965,403	94,262,823	7,999,081	467,535	960,043,287	15,225,804,897
2086	15,225,804,897	97,424,889	6,937,137	425,378	1,030,781,436	16,346,648,707
2087	16,346,648,707	100,701,268	5,962,113	383,015	1,106,583,307	17,547,588,154
2088	17,547,588,154	104,096,291	5,073,873	341,080	1,187,792,696	18,834,062,188
2089	18,834,062,188	107,614,454	4,271,794	300,078	1,274,776,885	20,211,881,655
2090	20,211,881,655	111,260,429	3,554,866	260,635	1,367,928,278	21,687,254,861
2091	21,687,254,861	115,039,072	2,921,125	223,283	1,467,666,148	23,266,815,673
2092	23,266,815,673	118,955,425	2,367,841	188,470	1,574,438,528	24,957,653,315
2093	24,957,653,315	123,014,728	1,891,440	156,631	1,688,724,223	26,767,344,195
2094	26,767,344,195	127,222,424	1,487,367	128,128	1,811,034,967	28,703,986,091
2095	28,703,986,091	131,584,171	1,150,225	103,002	1,941,917,730	30,776,234,765
2096	30,776,234,765	136,105,844	873,944	81,384	2,081,957,177	32,993,342,458
2097	32,993,342,458	140,793,551	651,826	63,146	2,231,778,268	35,365,199,305
2098	35,365,199,305	145,653,635	476,798	48,125	2,392,049,047	37,902,377,064
2099	37,902,377,064	150,692,690	341,778	1,337	2,563,484,750	40,616,211,388
2100	40,616,211,388	155,917,564	239,963	945	2,746,848,356	43,518,736,401
2101	43,518,736,401	161,335,378	164,990	660	2,942,954,185	46,622,860,313
2102	46,622,860,313	166,953,525	111,103	455	3,152,673,988	49,942,376,269
2103	49,942,376,269	172,779,694	73,330	311	3,376,939,227	53,492,021,548
2104	53,492,021,548	178,821,870	47,528	210	3,616,745,081	57,287,540,761
2105	57,287,540,761	185,088,352	30,341	144	3,873,154,704	61,345,753,332
2106	61,345,753,332	191,587,766	19,158	99	4,147,303,787	65,684,625,628
2107	65,684,625,628	198,329,074	12,045	68	4,440,405,427	70,323,348,017
2108	70,323,348,017	205,321,591	7,598	48	4,753,755,337	75,282,417,299
2109	75,282,417,299	212,574,995	4,844	33	5,088,737,409	80,583,724,826

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Table 3: Actuarial Present Values of Project Benefit Payments for fiscal years ending June 30

Year (a)	Projected Beginning Fiduciary Net Position (b)	Projected Benefit Payments (c)	Projected Benefit Payments		Actuarial Present Values of Projected Benefit Payments		
			"Funded" Portion of Benefit Payments (d)	"Unfunded" Portion of Benefit Payments (e)	Present Value of "Funded" Benefit Payments @ 6.75% (f) = PV of (d)	Present Value of "Unfunded" Benefit Payments @ 3.50% (g) = PV of (e)	Present Value of Benefit Payments Using the Single Discount Rate (h) = PV of (c)
2015	\$ 467,997,698	\$ 31,720,500	\$ 31,720,500	\$ -	\$ 30,701,252	\$ -	\$ 30,701,252
2016	449,171,587	31,530,516	31,530,516	-	28,587,702	-	28,587,702
2017	468,249,082	32,781,147	32,781,147	-	27,842,257	-	27,842,257
2018	488,088,907	33,495,248	33,495,248	-	26,649,901	-	26,649,901
2019	509,632,621	34,236,890	34,236,890	-	25,517,542	-	25,517,542
2020	532,212,675	35,050,344	35,050,344	-	24,471,970	-	24,471,970
2021	555,835,017	36,208,331	36,208,331	-	23,681,939	-	23,681,939
2022	580,226,188	37,711,930	37,711,930	-	23,105,727	-	23,105,727
2023	605,091,899	39,108,396	39,108,396	-	22,446,208	-	22,446,208
2024	630,586,059	40,417,626	40,417,626	-	21,730,810	-	21,730,810
2025	656,852,595	41,776,076	41,776,076	-	21,040,927	-	21,040,927
2026	683,905,870	43,439,140	43,439,140	-	20,495,124	-	20,495,124
2027	711,497,277	45,058,444	45,058,444	-	19,914,878	-	19,914,878
2028	739,721,678	46,789,683	46,789,683	-	19,372,411	-	19,372,411
2029	768,519,643	48,542,385	48,542,385	-	18,827,246	-	18,827,246
2030	797,922,132	50,271,698	50,271,698	-	18,265,071	-	18,265,071
2031	828,008,460	51,825,030	51,825,030	-	17,638,818	-	17,638,818
2032	859,021,897	53,451,419	53,451,419	-	17,042,028	-	17,042,028
2033	890,965,597	55,580,320	55,580,320	-	16,600,272	-	16,600,272
2034	923,401,665	57,989,439	57,989,439	-	16,224,644	-	16,224,644
2035	956,090,318	60,199,082	60,199,082	-	15,777,866	-	15,777,866
2036	989,270,602	61,873,982	61,873,982	-	15,191,427	-	15,191,427
2037	1,023,544,255	63,040,119	63,040,119	-	14,499,053	-	14,499,053
2038	1,059,527,480	64,327,559	64,327,559	-	13,859,635	-	13,859,635
2039	1,097,225,777	65,669,694	65,669,694	-	13,254,149	-	13,254,149

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Table 3: Actuarial Present Values of Project Benefit Payments for fiscal years ending June 30

Year (a)	Projected Beginning Fiduciary Net Position (b)	Projected Benefit Payments (c)	Projected Benefit Payments		Actuarial Present Values of Projected Benefit Payments		
			"Funded" Portion of Benefit Payments (d)	"Unfunded" Portion of Benefit Payments (e)	Present Value of "Funded" Benefit Payments @ 6.75% (f) = PV of (d)	Present Value of "Unfunded" Benefit Payments @ 3.50% (g) = PV of (e)	Present Value of Benefit Payments Using the Single Discount Rate (h) = PV of (c)
2040	1,136,702,799	67,167,975	67,167,975	-	12,699,342	-	12,699,342
2041	1,167,647,354	69,000,902	69,000,902	-	12,220,975	-	12,220,975
2042	1,199,486,243	70,671,193	70,671,193	-	11,725,345	-	11,725,345
2043	1,232,469,515	71,615,299	71,615,299	-	11,130,665	-	11,130,665
2044	1,267,447,655	72,138,565	72,138,565	-	10,503,038	-	10,503,038
2045	1,305,014,802	72,478,701	72,478,701	-	9,885,302	-	9,885,302
2046	1,345,560,717	72,732,113	72,732,113	-	9,292,613	-	9,292,613
2047	1,389,402,304	72,880,830	72,880,830	-	8,722,824	-	8,722,824
2048	1,436,897,666	72,902,574	72,902,574	-	8,173,701	-	8,173,701
2049	1,488,453,209	72,674,817	72,674,817	-	7,632,942	-	7,632,942
2050	1,544,629,902	71,976,685	71,976,685	-	7,081,609	-	7,081,609
2051	1,606,255,915	70,924,859	70,924,859	-	6,536,883	-	6,536,883
2052	1,674,096,288	69,619,210	69,619,210	-	6,010,816	-	6,010,816
2053	1,748,865,670	68,158,734	68,158,734	-	5,512,619	-	5,512,619
2054	1,831,225,984	66,512,326	66,512,326	-	5,039,306	-	5,039,306
2055	1,921,917,253	64,795,674	64,795,674	-	4,598,823	-	4,598,823
2056	2,021,611,387	62,945,112	62,945,112	-	4,184,994	-	4,184,994
2057	2,131,092,808	61,042,583	61,042,583	-	3,801,875	-	3,801,875
2058	2,251,115,759	59,052,997	59,052,997	-	3,445,395	-	3,445,395
2059	2,382,523,209	57,017,413	57,017,413	-	3,116,282	-	3,116,282
2060	2,526,174,236	54,942,955	54,942,955	-	2,813,023	-	2,813,023
2061	2,682,980,269	52,838,275	52,838,275	-	2,534,207	-	2,534,207
2062	2,853,907,092	50,706,303	50,706,303	-	2,278,177	-	2,278,177
2063	3,039,984,503	48,550,941	48,550,941	-	2,043,409	-	2,043,409
2064	3,242,309,709	46,377,033	46,377,033	-	1,828,491	-	1,828,491
2065	3,462,050,976	44,190,626	44,190,626	-	1,632,120	-	1,632,120
2066	3,700,451,247	41,998,541	41,998,541	-	1,453,076	-	1,453,076
2067	3,958,832,461	39,807,875	39,807,875	-	1,290,194	-	1,290,194
2068	4,238,600,678	37,625,780	37,625,780	-	1,142,362	-	1,142,362
2069	4,541,251,747	35,459,442	35,459,442	-	1,008,515	-	1,008,515
2070	4,868,377,443	33,315,895	33,315,895	-	887,634	-	887,634
2071	5,221,672,133	31,202,250	31,202,250	-	778,754	-	778,754
2072	5,602,939,692	29,125,539	29,125,539	-	680,959	-	680,959
2073	6,014,101,055	27,092,516	27,092,516	-	593,373	-	593,373
2074	6,457,202,477	25,109,964	25,109,964	-	515,178	-	515,178

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Table 3: Actuarial Present Values of Project Benefit Payments for fiscal years ending June 30

Year (a)	Projected Beginning Fiduciary Net Position (b)	Projected Benefit Payments (c)	Projected Benefit Payments		Actuarial Present Values of Projected Benefit Payments		
			"Funded" Portion of Benefit Payments (d)	"Unfunded" Portion of Benefit Payments (e)	Present Value of "Funded" Benefit Payments @ 6.75% (f) = PV of (d)	Present Value of "Unfunded" Benefit Payments @ 3.50% (g) = PV of (e)	Present Value of Benefit Payments Using the Single Discount Rate (h) = PV of (c)
2075	6,934,423,974	23,184,126	23,184,126	-	445,588	-	445,588
2076	7,448,089,032	21,320,839	21,320,839	-	383,866	-	383,866
2077	8,000,674,719	19,525,803	19,525,803	-	329,319	-	329,319
2078	8,594,822,250	17,803,635	17,803,635	-	281,286	-	281,286
2079	9,233,349,346	16,157,700	16,157,700	-	239,139	-	239,139
2080	9,919,263,426	14,590,777	14,590,777	-	202,294	-	202,294
2081	10,655,775,187	13,104,896	13,104,896	-	170,204	-	170,204
2082	11,446,313,185	11,701,513	11,701,513	-	142,367	-	142,367
2083	12,294,539,219	10,382,098	10,382,098	-	118,327	-	118,327
2084	13,204,364,159	9,147,642	9,147,642	-	97,666	-	97,666
2085	14,179,965,403	7,999,081	7,999,081	-	80,003	-	80,003
2086	15,225,804,897	6,937,137	6,937,137	-	64,994	-	64,994
2087	16,346,648,707	5,962,113	5,962,113	-	52,327	-	52,327
2088	17,547,588,154	5,073,873	5,073,873	-	41,716	-	41,716
2089	18,834,062,188	4,271,794	4,271,794	-	32,901	-	32,901
2090	20,211,881,655	3,554,866	3,554,866	-	25,648	-	25,648
2091	21,687,254,861	2,921,125	2,921,125	-	19,743	-	19,743
2092	23,266,815,673	2,367,841	2,367,841	-	14,991	-	14,991
2093	24,957,653,315	1,891,440	1,891,440	-	11,218	-	11,218
2094	26,767,344,195	1,487,367	1,487,367	-	8,264	-	8,264
2095	28,703,986,091	1,150,225	1,150,225	-	5,986	-	5,986
2096	30,776,234,765	873,944	873,944	-	4,261	-	4,261
2097	32,993,342,458	651,826	651,826	-	2,977	-	2,977
2098	35,365,199,305	476,798	476,798	-	2,040	-	2,040
2099	37,902,377,064	341,778	341,778	-	1,370	-	1,370
2100	40,616,211,388	239,963	239,963	-	901	-	901
2101	43,518,736,401	164,990	164,990	-	580	-	580
2102	46,622,860,313	111,103	111,103	-	366	-	366
2103	49,942,376,269	73,330	73,330	-	226	-	226
2104	53,492,021,548	47,528	47,528	-	137	-	137
2105	57,287,540,761	30,341	30,341	-	82	-	82
2106	61,345,753,332	19,158	19,158	-	49	-	49
2107	65,684,625,628	12,045	12,045	-	29	-	29
2108	70,323,348,017	7,598	7,598	-	17	-	17
2109	75,282,417,299	4,844	4,844	-	10	-	10

REQUIRED PENSION DISCLOSURE UNDER GASB #67 AND #68

Table 3: Actuarial Present Values of Project Benefit Payments for fiscal years ending June 30

Year (a)	Projected Beginning Fiduciary Net Position (b)	Projected Benefit Payments (c)	Projected Benefit Payments		Actuarial Present Values of Projected Benefit Payments		
			"Funded" Portion of Benefit Payments (d)	"Unfunded" Portion of Benefit Payments (e)	Present Value of "Funded" Benefit Payments @ 6.75% (f) = PV of (d)	Present Value of "Unfunded" Benefit Payments @ 3.50% (g) = PV of (e)	Present Value of Benefit Payments Using the Single Discount Rate (h) = PV of (c)
Total					\$ 688,314,570	+ \$ -	\$ 688,314,570

REQUIRED PENSION DISCLOSURE UNDER GASB #67

Summary of Participant Data

	July 1, 2014	July 1, 2015		
		Pre-87 Plan	1987 Plan	Total
Active Participants (not incl. DROP participants)	1,206	36	1,151	1,187
Anticipated Annual Payroll*	\$ 68,490,381	\$ 1,683,555	\$ 65,944,441	\$ 67,627,996
Bi-Weekly Sixth Year Trooper Pay*	\$ 1,763	\$ 1,799	N/A	1,799
Average Monthly Salary*	\$ 4,733	\$ 3,897	\$ 4,776	4,748
Anticipated Member Contributions	\$ 4,089,250	\$ 84,178	\$ 3,947,356	4,040,844
DROP Participants	\$ 28	4	14	18
Annual Benefits Payable from Trust	\$ 1,110,492	\$ 136,269	\$ 562,561	\$ 698,829
Average Annual Benefit	\$ 39,660	\$ 34,067	\$ 40,183	\$ 38,824
Retired Members	1,225	625	626	1,251
Annual Benefits Payable from Trust	\$ 25,095,905	\$ 8,947,645	\$ 17,570,831	\$ 26,518,476
Average Annual Benefit	\$ 20,486	\$ 14,316	\$ 28,068	\$ 21,198
Beneficiaries	335	255	82	337
Annual Benefits Payable from Trust	\$ 1,930,960	\$ 1,019,317	\$ 1,020,186	\$ 2,039,503
Average Annual Benefit	\$ 5,764	\$ 3,997	\$ 12,441	\$ 6,052
Disabled Members Entitled to Future Benefits	35	5	32	37
Estimated Deferred Annual Benefits	\$ 1,308,786	\$ 211,053	\$ 1,135,306	\$ 1,346,359
Estimated Average Deferred Annual Benefit	\$ 37,394	\$ 42,211	\$ 35,478	\$ 36,388
Terminated Vested Members Entitled to Future Benefits	112	4	115	119
Estimated Deferred Annual Benefits	\$ 915,295	\$ 138,121	\$ 816,559	\$ 954,680
Estimated Average Deferred Annual Benefit	\$ 8,172	\$ 34,530	\$ 7,101	\$ 8,023
Due and Unpaid Members	0	0	0	0
Total Number of Members	2,941	929	2,020	2,949

*Reflects limitation of Pre-1987 salary to Sixth Year Trooper pay (\$1,763.40 as of 7/1/2014, \$1,798.67 bi-weekly as of

SUMMARY OF MAJOR PLAN PROVISIONS

Retirement Benefits

Pre-1987 Plan

The basic monthly benefit valued was 50% of current monthly salary (but in no event greater than the monthly equivalent of the sixth year trooper rate), plus \$20 for members retiring after age 45 with 20 years of service.

For members retiring with more than 20 years of service, this benefit was increased:

- 2% for each of the first 2 years in excess of 20
- 3% for each of the next 2 years in excess of 22
- 4% for each of the next 2 years in excess of 24
- 5% for each of the next 2 years in excess of 26
- 6% for each of the next 2 years in excess of 28
- 7% for each of the next 2 years in excess of 30
- 8% for each of the next 2 years in excess of 32

For members retiring before age 45 with 20 years of service or more, benefits were reduced as

<u>Age</u>	
44	98%
43	96%
42	94%
41	92%

SUMMARY OF MAJOR PLAN PROVISIONS, CONTINUED

Retirement Benefits

Pre-1987 Plan, continued

For members retiring with at least 10 years of service but less than 20 years of service, the benefit was reduced approximately 2.5% for each year by which service was less than 20 years and is payable commencing at the earlier of age 55 or the 20th anniversary of date of hire.

Furthermore, benefits for members terminating with less than 20 years of service and before age 55 were reduced as follows based on age at termination:

<u>Age</u>		<u>Age</u>	
54	97.7%	42	77.3%
53	95.5%	41	76.1%
52	93.4%	40	74.9%
51	91.4%	39	73.8%
50	89.5%	38	72.7%
49	87.7%	37	71.7%
48	86.0%	36	70.7%
47	84.4%	35	69.8%
46	82.8%	34	68.9%
45	81.3%	33	68.0%
44	79.9%	32	67.2%
43	78.6%	31	66.4%

Members terminating with at least 5 years of service but less than 10 years of service receive their member contributions plus interest in addition to the present value of 25% of the monthly benefit payable at age 55 based on their years of service at termination.

SUMMARY OF MAJOR PLAN PROVISIONS, CONTINUED

Retirement Benefits

1987 Plan

The basic monthly benefit valued was 50% of the monthly average of the highest 36 consecutive months of salary (not to exceed the maximum monthly pay of a captain if retirement occurs between July 1, 1988 and June 30, 1989), for members retiring with 25 years of service.

For members retiring with more than 25 years of service, this benefit was increased:

- 5% for each of the first 3 years in excess of 25
- 6% for each of the next 2 years in excess of 28
- 7% for each of the next 2 years in excess of 30
- 8% for each of the next 2 years in excess of 32

For members retiring with at least 5 years of service but less than 25 years of service, this benefit was reduced 2% for each year less than 25 and is payable at the later of age 50 or age at retirement.

Furthermore, for members terminating with less than 25 years of service, benefits commencing before age 55 were reduced as follows:

<u>Age</u>	
54	98%
53	96%
52	94%
51	92%
50	90%

Post-retirement increases payable after June 30, 2007 and after June 30, 2008 to an employee beneficiary of the 1987 benefit system who retired or was disabled after June 30, 1987 and before July 2, 2005 (July 2, 2006 for increase after June 30, 2008). The increases are equal to 1% of the maximum basic monthly pension amount payable to a retired state police employee in the grade of a trooper who has completed 25 years of service as of July 1, 2007, or \$19.39 per month.

SUMMARY OF MAJOR PLAN PROVISIONS, CONTINUED

Return of Member Contribution Feature After all other benefits under the plan have been paid, an additional amount is payable in order that the total benefits paid be at least equal to the member's contributions plus interest.

Other Benefits Death before retirement, but after completion of 5 years of service and with surviving spouse, named beneficiary, or dependent child or children under age 18. Termination or early retirement benefit, whichever is applicable, is payable.

NOTE: If information given in this Summary disagrees or appears to disagree with the provisions of the plan legal document, the provisions of the document prevail.