



November 16, 2015

Board of Trustees
Arkansas State Highway Employees
Retirement System
P.O. Box 2261
Little Rock, AR 72203

Subject: GASB 67/68 Reporting and Disclosure Information for the Arkansas State Highway Employees Retirement System for Plan Fiscal Year Ending June 30, 2015 and the State of Arkansas Fiscal Year Ending June 30, 2016

Dear Members of the Board:

This report provides information required by the Arkansas State Highway Employees Retirement System (ASHERS) in connection with the Governmental Accounting Standards Board (GASB) Statement No. 67, "Financial Reporting for Pension Plans." Additionally, this report provides information required by the State of Arkansas (the State) in connection with the GASB Statement No. 68, "Accounting and Financial Reporting for Pensions." It is our understanding this information will be used by the State in financial reporting for fiscal year ending June 30, 2016. The information provided herein was prepared for the purpose of assisting ASHERS and the State in the compliance with the financial reporting and disclosure requirements of GASB Nos. 67 and 68.

The calculation of the liability associated with the benefits referenced in this report was performed for the purpose of satisfying the requirements of GASB No. 67 and 68 and is not applicable for purposes of funding the plan. A calculation of the plan's liability for other purposes may produce significantly different results. This report may be provided to parties other than ASHERS only in its entirety and only with the permission of ASHERS.

The total pension liability, net pension liability, and certain sensitivity information shown in this report are based on an actuarial valuation performed as of June 30, 2015. The net pension liability incorporates the new assumptions adopted by the Board effective with the June 30, 2015 actuarial valuation. There were no other significant events or changes in benefit provisions that required an adjustment to the liabilities as of June 30, 2015. It is our opinion that the assumptions are internally consistent, reasonable, and comply with the requirements under GASB No. 67 and 68. As allowed for under GASB No. 68, it is intended that the State will report ASHERS' Net Pension Liability one year in arrears. In other words, the State will report the Net Pension Liability and Pension Expense for ASHERS from fiscal year 2015 in the State's fiscal year 2016 financial statements.

This report is based upon information, furnished to us by ASHERS, which includes benefit provisions, membership information, and financial data. We did not audit this data and information, but we did apply a number of tests and concluded that it was reasonable and consistent. GRS is not responsible for the accuracy or completeness of the information provided to us by ASHERS.

Certain tables included in the Required Supplementary Information should include a 10-year history of information. As provided for in GASB No. 67 and 68, this historical information is only presented for the years in which the information was measured in conformity with the requirements of GASB No. 67 and 68. The historical information in this report will begin with the information presented for the fiscal year ending June 30, 2014.

Paragraph 57 of GASB No. 68 indicates that contributions to the pension plan subsequent to the measurement date of the Net Pension Liability and prior to the end of the employer's reporting period can be reported by the employer as a deferred outflow of resources related to pensions. The information contained in this report does not incorporate any contributions made by the State subsequent to June 30, 2015.

This report compliments the actuarial valuation report as of June 30, 2015, provided for plan funding purposes, which was also provided to ASHERS and should be considered together as a complete report for the plan year ending June 30, 2015. Please see the actuarial valuation report as of June 30, 2015 for additional discussion of the actuarial valuation, including the nature of actuarial calculations and more information related to participant data, economic and demographic assumptions, and benefit provisions.

To the best of our knowledge, this report is complete and accurate and is in accordance with generally recognized actuarial practices and methods. Mr. Newton is a member of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion herein.

Respectfully submitted,



Lewis Ward
Consultant



Joseph P. Newton, FSA, EA, MAAA
Senior Consultant

Summary of Population Statistics

The total pension liability described in this report is based on the plan membership as of June 30, 2014:

Inactive Plan Members or Beneficiaries Currently Receiving Benefits	3,244
Inactive Plan Members Entitled to But Not Yet Receiving Benefits	579
Active Plan Members (Including DROP)	<u>3,524</u>
Total Plan Members	7,347

Note: The Inactive Plan Members Entitled to But Not Yet Receiving Benefits include 362 non-vested terminated members entitled to a refund of their member contributions.

Measurement of the Net Pension Liability

The net pension liability is measured as the total pension liability, less the amount of the plan's fiduciary net position. In actuarial terms, this will be the accrued liability less the market value of assets (not the smoothed actuarial value of assets that is often encountered in actuarial valuations based on the Board's adopted assumptions and methods).

A single discount rate of 8.00% was used to measure the total pension liability as of June 30, 2015. This single discount rate was based on the expected rate of return on pension plan investments of 8.00%. The projection of cash flows used to determine this single discount rate assumed that plan member and employer contributions will be made at the current statutory levels and remain constant as a percentage of payroll. Based on the stated assumptions and the projection of cash flows, 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.

Sensitivity of the Net Pension Liability to the Single Discount Rate Assumption

The following table provides the sensitivity of the net pension liability to changes in the discount rate as of June 30, 2015. In particular, the table presents the plan's net pension liability, if it were calculated using a single discount rate that is one-percentage-point lower or one-percentage-point higher than the single discount rate:

1% Decrease 7.00%	Current Single Rate Assumption 8.00%	1% Increase 9.00%
<u>\$362,768,367</u>	<u>\$185,799,794</u>	<u>\$37,782,425</u>

Disclosure Regarding the Deferred Retirement Option Program

GASB No. 67 states that for plans with a DROP feature, the plan must disclose: (1) a description of the DROP terms and (2) the balance of the amount held by the pension plan pursuant to the DROP. Please refer to Paragraph 30 of GASB No. 67 for additional information. We have assumed that ASHERS will prepare this information.

Note that GASB only considers employees as members of DROP. Therefore, it is most likely not necessary to include on the schedule the account balances of those retired members with DROP balances. However, it would certainly be reasonable to include the information, we would just suggest that if you do include the retired members' DROP balances that you identify the balances separately.

As stated above, we assume you will be preparing this information. However, if you require any assistance in preparing the disclosure information please do not hesitate to contact us.

**STATEMENT OF CHANGES IN FIDUCIARY NET POSITION
AS OF JUNE 30, 2015**

	2015
Additions	
Contributions	
Employer	\$ 19,059,012
Member	9,138,451
Other	-
Total Contributions	\$ 28,197,463
Investment Income	
Net Appreciation in Fair Value of Investments	\$ 10,245,760
Interest and Dividends	22,930,395
Less Investment Expense	(7,792,399)
Net Investment Income	\$ 25,383,756
Other	\$ -
Total Additions	\$ 53,581,219
 Deductions	
Benefit Payments and Refunds	\$ 102,245,806
Pension Plan Administrative Expense	91,542
Other	-
Total Deductions	\$ 102,337,348
Net Increase in Net Position	\$ (48,756,129)
 Net Position Restricted for Pensions	
Beginning of Year	\$ 1,492,232,422
End of Year	\$ 1,443,476,293

SCHEDULES OF REQUIRED SUPPLEMENTARY INFORMATION
SCHEDULE OF CHANGES IN THE EMPLOYERS' NET PENSION LIABILITY AND RELATED RATIOS

Last 10 Fiscal Years (which may be built prospectively)

Fiscal year ending June 30,	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006
Total pension liability										
Service Cost	\$ 18,412,588	\$ 16,862,918								
Interest on the Total Pension Liability	115,441,556	112,962,064								
Benefit Changes	0	0								
Difference between expected and actual experience of the Total Pension Liability	20,790,869	0								
Assumption Changes	91,940,822	-								
Benefit Payments and Refunds	(102,245,806)	(95,454,598)								
Net Change in Total Pension Liability	144,340,029	34,370,384								
Total Pension Liability - Beginning	1,484,936,058	1,450,565,674								
Total Pension Liability - Ending	\$ 1,629,276,087	\$ 1,484,936,058								
Plan Fiduciary Net Position										
Contributions - Employer	\$ 19,059,012	\$ 18,614,507								
Contributions - Member	9,138,451	8,884,829								
Pension Plan Net Investment Income	25,383,756	234,208,606								
Benefit Payments and Refunds	(102,245,806)	(95,454,598)								
Pension Plan Administrative Expense	(91,542)	(43,282)								
Other	0	0								
Net Change in Plan Fiduciary Net Position	(48,756,129)	166,210,062								
Plan Fiduciary Net Position - Beginning	1,492,232,422	1,326,022,360								
Plan Fiduciary Net Position - Ending	\$ 1,443,476,293	\$ 1,492,232,422								
Net Pension Liability - Ending	185,799,794	(7,296,364)								
Plan Fiduciary Net Position as a Percentage of Total Pension Liability	88.60 %	100.49 %								
Covered Employee Payroll	\$ 140,544,393	\$ 137,261,720								
Net Pension Liability as a Percentage of Covered Employee Payroll	132.20 %	(5.32)%								

Notes to Schedule:

The covered payroll is the reported salary for fiscal year 2015 for activemembers (who are not in DROP) as of the measurement date. If the reported salary was for a period of less than 12 months then it has been annualized.

SCHEDULES OF REQUIRED SUPPLEMENTARY INFORMATION
Schedule of the Net Pension Liability (Historical)

Last 10 Fiscal Years (which may be built prospectively)

FY Ending June 30,	Total Pension Liability	Plan Net Position	Net Pension Liability	Plan Net Position as a % of Total Pension Liability	Covered Payroll	Net Pension Liability as a % of Covered Payroll
2014	\$ 1,484,936,058	\$ 1,492,232,422	\$ (7,296,364)	100.49%	\$ 137,261,720	(5.32)%
2015	1,629,276,087	1,443,476,293	185,799,794	88.60%	140,544,393	132.20 %

SCHEDULES OF REQUIRED SUPPLEMENTARY INFORMATION
SCHEDULE OF EMPLOYER CONTRIBUTIONS

FY Ending June 30,	Actuarially Determined Contribution	Actual Contribution	Contribution Deficiency (Excess)	Covered Payroll	Actual Contribution as a % of Covered Payroll
2014	N/A	\$ 18,614,507	N/A	\$ 137,261,720	13.56%
2015	N/A	19,059,012	N/A	140,544,393	13.56%

Notes to Schedule:

The covered payroll is the reported salary for the just completed fiscal year for active members (who are not in DROP) as of the measurement date. If the reported salary was for a period of less than 12 months then it has been annualized. The employer contribution rate is established under State statute and is not based on a funding policy. Therefore, no Actuarially Determined Contribution is shown.

NOTES TO SCHEDULE OF CONTRIBUTIONS

Valuation Date:

June 30, 2015

Notes

The covered payroll is the reported salary for fiscal year 2015 for active members (who are not in DROP) as of the measurement date. If the reported salary was for a period of less than 12 months then it has been annualized.

Methods and Assumptions Used to Determine Contribution Rates:

Actuarial Cost Method	Entry Age Normal
Amortization Method	Level Percentage of Payroll, Open
Remaining Amortization Period	48 years
Asset Valuation Method	4-year smoothed market
Inflation	2.50%
Salary Increases	3.50% to 10.50%
Investment Rate of Return	8.00%
Retirement Age	Experience-based table of rates that are specific to the class of employee. Last updated for the 2015 valuation pursuant to an experience study of the 6-year period from July 1, 2008 through June 30, 2014.
Mortality	Male: RP-2000 Combined Healthy for males with Blue Collar adjustments, scaled at 105% with no setback. Generational mortality improvements in accordance with Scale AA from the table's base year of 2000 (both before and after the measurement date) Female: RP-2000 Combined Healthy for males with Blue Collar adjustments, scaled at 100% with no setback. Generational mortality improvements in accordance with Scale AA from the table's base year of 2000 (both before and after the measurement date)

Other Information:

Notes

There were no benefit changes during the year.

GOVERNMENTAL EMPLOYER FINANCIAL STATEMENTS

Pension Expense for Fiscal Year Ending June 30, 2015

To be used for Governmental Employer Reporting for Fiscal Year Ending June 30, 2016

Arkansas State Highway Employees Retirement System**A. Expense**

1. Service Cost	\$	18,412,588
2. Interest on the Total Pension Liability		115,441,556
3. Current-Period Benefit Changes		0
4. Member Contributions		(9,138,451)
5. Projected Earnings on Plan Investments		(116,416,685)
6. Pension Plan Administrative Expense		91,542
7. Other Changes in Plan Fiduciary Net Position		0
8. Recognition of beginning deferred outflows (inflows) due to liabilities		23,683,129
9. Recognition of beginning deferred outflows (inflows) due to assets		(7,944,398)
10. Total Pension Expense	\$	24,129,281

Recognition of Deferred Outflows and Inflows of Resources

According to paragraph 33 of GASB No. 68, *differences between expected and actual experience and changes in assumptions* are recognized in pension expense using a systematic and rational method over a closed period equal to the average of the expected remaining service lives of all employees that are provided with pensions through the pension plan (active employees and inactive employees) determined as of the beginning of the measurement period.

At the beginning of the 2015 fiscal year, the expected remaining service lives of all employees was 34,402 years. Additionally, the plan membership (active employees and inactive employees) was 7,347. As a result, the average of the expected remaining service lives for purposes of recognizing the applicable deferred outflows and inflows of resources established in the 2015 fiscal year is 4.76 years.

Additionally, *differences between projected and actual earnings on pension plan investments* should be recognized in pension expense using a systematic and rational method over a closed five-year period.

For this purpose, the deferred outflows and inflows of resources are recognized in the pension expense as a level dollar amount over the closed period identified above.

GOVERNMENTAL EMPLOYER FINANCIAL STATEMENTSStatement of Outflows and Inflows Arising from Current and Prior Reporting Periods
For Fiscal Year Ending June 30, 2015

To be used for Governmental Employer Reporting for Fiscal Year Ending June 30, 2016

Arkansas State Highway Employees Retirement System**A. Outflows and Inflows of Resources due to Liabilities and Assets to be recognized in Current Pension Expense**

	Outflows of Resources	Inflows of Resources	Net Outflows(Inflows) of Resources
1. Due to liabilities	\$ 23,683,129	\$ -	\$ 23,683,129
2. Due to assets	18,224,954	26,169,352	(7,944,398)
3. Total	\$ 41,908,083	\$ 26,169,352	\$ 15,738,731

B. Outflows and Inflows of Resources by Source to be recognized in Current Pension Expense

	Outflows of Resources	Inflows of Resources	Net Outflows(Inflows) of Resources
1. Differences between expected and actual experience	\$ 4,367,830	\$ -	\$ 4,367,830
2. Assumption Changes	19,315,299	-	19,315,299
3. Net Difference between projected and actual earnings on pension plan investments	18,224,954	26,169,352	(7,944,398)
4. Total	\$ 41,908,083	\$ 26,169,352	\$ 15,738,731

C. Deferred Outflows and Deferred Inflows of Resources by Source to be recognized in Future Pension Expenses

	Deferred Outflows of Resources	Deferred Inflows of Resources	Net Outflows(Inflows) of Resources
1. Differences between expected and actual experience	\$ 16,423,039	\$ -	\$ 16,423,039
2. Assumption Changes	72,625,523	-	\$ 72,625,523
3. Net Difference between projected and actual earnings on pension plan investments	72,899,816	78,508,055	\$ (5,608,239)
4. Total	\$ 161,948,378	\$ 78,508,055	\$ 83,440,323

D. Deferred Outflows and Deferred Inflows of Resources by Year to be recognized in Future Pension Expenses

Fiscal Year Ending	Outflows of Resources	Inflows of Resources	Net Outflows(Inflows) of Resources
2016	\$ 41,908,083	\$ 26,169,352	\$ 15,738,731
2017	41,908,083	\$ 26,169,352	15,738,731
2018	41,908,083	\$ 26,169,351	15,738,732
2019	36,224,129	\$ -	36,224,129
2020	-	-	-
Thereafter	-	-	-
Total	\$ 161,948,378	\$ 78,508,055	\$ 83,440,323