

<b>Checklist Item #7</b>	<b>Application for Approval of a Suspension of Benefits Under MPRA</b>
<p>Iron Workers Local 17 Pension Fund <span style="float: right;">EIN: 51-0161467 Plan No.: 001</span></p>	
<p>Does the application include the plan actuary's certification that the plan is projected to avoid insolvency if the suspension takes effect and the supporting illustrations, including:</p> <ul style="list-style-type: none"> <li>• the year-by-year projections demonstrating projected solvency during the relevant period and</li> <li>• separately identifying the available resources (and the market value of assets and changes in cash flow) during each of those years.</li> </ul> <p>See section 3.02.</p>	<p>The application filed on behalf of the Iron Workers Local 17 Pension Fund includes an Actuarial Certification of Plan Solvency under ERISA Section 305(e)(9)(c)(i) and IRC Section 432(e)(9)(C)(i) as of the Proposed Benefit Suspension Effective Date of December 1, 2016. This Report includes Exhibit III, which is a year-by-year solvency projection which demonstrates that the Pension Fund will become insolvent in the Plan Year 2025 taking account the updated valuation through September 30, 2015. Additionally, the Report demonstrates in Exhibit IV, that the Pension Fund will avoid insolvency with the Proposed Benefit Suspensions taking affect December 1, 2016. Additionally, the Report separately identifies the market value of assets, contributions, investment earnings, benefit payments and plan expenses. This Report, which is based upon our interpretation of the requirements under Revenue Procedure 2015-34, Section 3.02, is attached as IW17PF_034 – 057.</p>

## **Iron Workers Local 17 Pension Fund**

**Actuarial Certification of Plan Solvency under ERISA  
Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) of  
Proposed Benefit Suspensions as of December 1, 2016**





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*December 23, 2015*

*Board of Trustees  
Iron Workers Local 17 Pension Fund  
Cleveland, Ohio*

*Dear Trustees:*

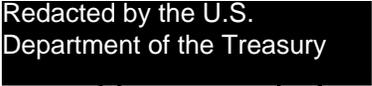
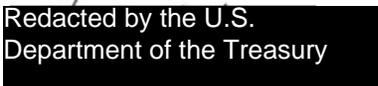
*As requested by the Trustees and required by ERISA Section 305(e)(9)(C)(i) and Internal Revenue Code (IRC) Section 432(e)(9)(C)(i) (taking into account temporary regulation §1.432(e)(9)-1T, proposed regulation §1.432(e)(9)-1 and Revenue Procedure 2015-34), we have completed an actuarial analysis of the Trustees' proposed benefit suspensions under ERISA Section 305 and IRC Section 432 that are permitted because of the Plan's critical and declining status. Based on our analysis, we project that the proposed suspensions of benefits are reasonably estimated to enable the Plan to avoid insolvency within the meaning of ERISA Section 4245 and IRC Section 418E, assuming the suspensions of benefits continue indefinitely and both the benefit accrual reduction and other plan changes become effective upon the proposed December 1, 2016 suspension effective date in accordance with the terms and effective dates summarized in this certification. In addition, this analysis demonstrates that the requirements under ERISA Section 305(e)(9)(D)(iv) and IRC Section 432(e)(9)(D)(iv) (taking into account temporary regulation §1.432(e)(9)-1T, proposed regulation §1.432(e)(9)-1 and Revenue Procedure 2015-34) have been satisfied.*

*The attached exhibits outline the projections performed in accordance with the statute, the published regulations thereunder, the assumptions used in the projections, and a summary of the proposed benefit suspensions. These projections have been prepared based on the Actuarial Valuation as of May 1, 2015 and the Actuarial Certification of Plan Status as of May 1, 2015 under IRC Section 432 in accordance with generally accepted actuarial principles and practices and a current understanding of the law. The actuarial calculations were completed under the supervision of Henry Wong, ASA, MAAA, FCA, EA.*

*Segal Consulting (“Segal”) does not practice law and, therefore, cannot and does not provide legal advice. Any statutory interpretation on which the certification is based reflects Segal’s understanding as an actuarial firm. Due to the complexity of the statute and the significance of its ramifications, Segal recommends that the Board of Trustees consult with legal counsel when making any decisions regarding compliance with ERISA, the Internal Revenue Code, and reliance on the proposed and temporary IRS regulations in the absence of final regulations.*

*Sincerely,*

*Segal Consulting, a Member of The Segal Group*

By:     
*Megan Kelly, CEBS* *Harold S. Cooper, FSA, MAAA, EA* *Henry Wong, ASA, MAAA, FCA, EA*  
*Vice President and Benefits Consultant* *Vice President and Actuary* *Vice President and Consulting Actuary*

5554860v2/01031.030

**December 23, 2015**

**ACTUARIAL SOLVENCY CERTIFICATION  
UNDER ERISA SECTION 305(E)(9)(C)(I) AND IRC SECTION 432(E)(9)(C)(I)**

This is to certify that Segal Consulting, a Member of The Segal Group, Inc. (“Segal”), has prepared an actuarial solvency certification under ERISA Section 305(e)(9)(C)(i) and Internal Revenue Code Section 432(e)(9)(C)(i), taking into account temporary regulation §1.432(e)(9)-1T, proposed regulation §1.432(e)(9)-1 and Revenue Procedure 2015-34, for the Iron Workers Local 17 Pension Fund based on participant data as of April 30, 2015 and asset values as of September 30, 2015 in accordance with generally accepted actuarial principles and practices. It has been prepared at the request of the Board of Trustees to assist in meeting the filing and compliance requirements under federal law. This certification may not otherwise be copied or reproduced in any form without the consent of the Board of Trustees and may only be provided to other parties in its entirety.

Based on the items discussed below, the proposed benefit suspensions are reasonably estimated to enable the Plan to avoid insolvency within the meaning of ERISA Section 4245, assuming the suspensions of benefits continue indefinitely and both the benefit accrual reduction and other plan changes become effective upon the proposed December 1, 2016 suspension effective date in accordance with the terms and effective dates summarized in this certification. In addition, this analysis demonstrates that the requirements under ERISA Section 305(e)(9)(D)(iv) and IRC Section 432(e)(9)(D)(iv) (taking into account temporary regulation §1.432(e)(9)-1T, proposed regulation §1.432(e)(9)-1 and Revenue Procedure 2015-34) have been satisfied.

Note that, as required by law, this certification is only intended to demonstrate that the proposed Plan changes are reasonably projected to be sufficient to avoid insolvency within the meaning of ERISA Section 4245 and IRC Section 418E. The measurements shown in this actuarial certification are not applicable for other purposes. Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; differences in statutory interpretation; differences in methodology, changes in plan provisions and changes in applicable law. Due to the legal requirements for this certification, it does not include an analysis of such future measurements.

This certification is based on the May 1, 2015 actuarial valuation, dated December 21, 2015, as well as the Actuarial Certification of Plan Status as of May 1, 2015 under IRC Section 432, dated July 29, 2015. This certification reflects the changes in the law made by the Multiemployer Pension Reform Act of 2014 (MPRA), taking into account temporary regulation §1.432(e)(9)-1T, proposed regulation §1.432(e)(9)-1 and Revenue Procedure 2015-34. As required by proposed IRS regulations, assets were updated to September 30, 2015 based on actual experience. Additional assumptions required for the projections (including those required under MPRA and regulations thereunder), and sources of financial information used are summarized in Exhibit IX. A summary of the proposed benefit suspensions is included in Exhibit X.

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

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Segal Consulting does not practice law and, therefore, cannot and does not provide legal advice. Any statutory interpretations on which this certification is based reflect Segal's understanding as an actuarial firm. Based on discussions with the Plan's legal counsel, it is our understanding that the proposed benefit suspensions satisfy the requirements for such as set forth in MPRA.

This certification was based on the assumption that the Plan was qualified as a multiemployer plan for the year.

I am a member of the American Academy of Actuaries and I meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion herein. To the best of my knowledge, the information supplied in this actuarial certification is complete and accurate. The projected future employment and contribution levels are based on information provided by the plan sponsor. In my opinion, the projections are based on reasonable actuarial estimates, assumptions and methods that (other than projected future employment and contribution information provided by the plan sponsor) offer my best estimate of anticipated experience under the Plan.

Redacted by the U.S. Department  
of the Treasury

Henry Wong, ASA, MAAA, FCA  
Vice President and Consulting Actuary  
Enrolled Actuary No. 14-05951

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**EXHIBIT I**

**Summary of Key Information and Results**

A summary of key information and of the results of the different tests (and subtests) required for the certification are shown below.

**A. Key Information**

1. Projected year of insolvency without consideration of proposed suspension	April 30, 2026
2. Proposed effective date of suspension of benefits	December 1, 2016
3. End of extended period	April 30, 2055
4. Projected funded percentage (under IRC Section 432(j)(2)) at end of extended period	44.3%*
5. Probability the Plan will avoid insolvency through the extended period	54.2%
6. Number of Plan active participants (based on May 1, 2015 actuarial valuation)	654
7. Is the proposed suspension in combination with a partition?	No

\* See Exhibit VI of report titled: *Application under ERISA Section 305(e)(9) and IRC Section 432(e)(9) – Additional Information*

**B. Limitation on aggregate size of suspension**

1. The proposed suspension is reasonably estimated to enable the Plan to avoid insolvency
  - a. The solvency ratio is projected on a deterministic basis to be at least 1.0 for each plan year throughout the extended period. (See Exhibit IV)
  - b. The Plan’s projected funded percentage at the end of the extended period does not exceed 100%, but the Plan’s solvency ratio and its available resources are not projected to decrease at any time during the last five plan years of the extended period. (See Exhibit IV)
  - c. Based on stochastic projections, the probability that the Plan will avoid insolvency throughout the extended period is more than 50%. (See Exhibit V)

**Because of the results summarized in B.1, the proposed suspension of benefits satisfies the requirement that it be reasonably estimated to enable the Plan to avoid insolvency.**

2. The proposed suspension does not materially exceed the level that is necessary to avoid insolvency, as required under IRC Section 432(e)(9)(D)(iv)
  - a. The Plan would fail one or more of the tests in B.1 if the dollar amount of the proposed benefits suspension for each participant and beneficiary were 5% smaller. (see Exhibits VI and VII)
  - b. The PBGC did not issue an order partitioning the Plan.

**Because of the results in B.2, the proposed suspension of benefits satisfies the requirements that the proposed suspension not materially exceed the level that is necessary to avoid insolvency.**

**The proposed benefit suspension satisfies the limitation on aggregate size of suspension.**

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

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**EXHIBIT II**

**Development of Projected April 30, 2016 Assets**

The actual change in Market Value of Assets from May 1, 2015 through September 30, 2015 is shown below. Contribution income, benefit payments, and administrative expenses for the period beginning May 1, 2015 and ending September 30, 2015, and the value of non-invested assets as of September 30, 2015 was based on an unaudited financial statement provided by the Fund Office. The value of invested assets as of September 30, 2015 was provided by the Investment Manager. In addition, the value of assets was reduced by the estimated value of withdrawal liability payments refundable to a withdrawn employer.

<b>Year Beginning May 1, 2015</b>			
	<b>From May 1, 2015 Through September 30, 2015</b>	<b>Projected from October 1, 2015 Through April 30, 2016</b>	<b>Total for Plan Year</b>
1. Market Value at beginning of period	\$85,351,315	\$78,486,182	\$85,351,315
2. Contributions	5,643,325	6,358,675	12,002,000
3. Benefit payments	7,998,551	11,691,373	19,689,924
4. Administrative expenses	197,505	452,495	650,000
5. Investment earnings/(loss)	<u>-4,312,402</u>	<u>2,828,589</u>	<u>-1,483,813</u>
6. Market Value at end of period: (1)+(2)-(3)-(4)+(5)	\$78,486,182	\$75,529,578	\$75,529,578

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

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**EXHIBIT III  
Deterministic Projection of Current Plan without Proposed Suspension**

The projected Market Value of Assets and Solvency Ratio for the Plan Years beginning May 1, 2015 through April 30, 2026.

	<b>Year Beginning May 1</b>				
	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
1. Market Value at beginning of year	\$85,351,315	\$75,529,578	\$70,462,785	\$64,507,919	\$57,986,348
2. Contributions	12,002,000	10,608,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	19,689,924	19,770,194	20,072,339	20,232,823	20,589,063
4. Administrative expenses	650,000	500,000	450,000	463,500	477,405
5. Investment earnings	<u>-1,483,813*</u>	<u>4,595,401</u>	<u>4,248,473</u>	<u>3,855,752</u>	<u>3,419,820</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	<u>\$75,529,578</u>	<u>\$70,462,785</u>	<u>\$64,507,919</u>	<u>\$57,986,348</u>	<u>\$50,658,700</u>
7. Available resources: (1)+(2)-(4)+(5)	\$95,219,502	\$90,232,979	\$84,580,258	\$78,219,171	\$71,247,763
8. Solvency ratio: (7) ÷ (3)	4.836	4.564	4.214	3.866	3.460
	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
1. Market Value at beginning of year	\$50,658,700	\$42,563,432	\$33,798,146	\$24,489,578	\$14,713,874
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	20,856,894	20,981,440	20,940,618	20,791,388	20,675,695
4. Administrative expenses	491,727	506,479	521,673	537,323	553,443
5. Investment earnings	<u>2,934,353</u>	<u>2,403,633</u>	<u>1,834,723</u>	<u>1,234,007</u>	<u>601,822</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	<u>\$42,563,432</u>	<u>\$33,798,146</u>	<u>\$24,489,578</u>	<u>\$14,713,874</u>	<u>\$4,405,558</u>
7. Available resources: (1)+(2)-(4)+(5)	\$63,420,326	\$54,779,586	\$45,430,196	\$35,505,262	\$25,081,253
8. Solvency ratio: (7) ÷ (3)	3.041	2.611	2.169	1.708	1.213

*\*Based on actual experience for the five-month period ended September 30, 2015 and 6.50% for the remaining seven months of the Plan Year.*

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

EIN 51-0161467/PN 001

**EXHIBIT III (continued)**  
**Deterministic Projection of Current Plan without Proposed Suspension**

	<b>Year Beginning May 1</b>
	<b>2025</b>
1. Market Value at beginning of year	\$4,405,558
2. Contributions	10,319,000
3. Benefit payments	20,457,251
4. Administrative expenses	570,046
5. Investment earnings	<u>N/A</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	Insolvent
7. Available resources: (1)+(2)-(4)+(5)	\$14,154,512
8. Solvency ratio: (7) ÷ (3)	0.692

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

EIN 51-0161467/PN 001

**EXHIBIT IV  
Deterministic Projection of Proposed Suspension**

The projected Market Value of Assets and Solvency Ratio for the Plan Years beginning May 1, 2015 through April 30, 2055.

	<b>Year Beginning May 1</b>				
	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
1. Market Value at beginning of year	\$85,351,315	\$75,529,578	\$72,220,879	\$70,765,692	\$69,132,954
2. Contributions	12,002,000	10,608,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	19,689,924	18,067,440	15,824,975	15,891,827	16,100,844
4. Administrative expenses	650,000	500,000	450,000	463,500	477,405
5. Investment earnings	<u>-1,483,813*</u>	<u>4,650,741</u>	<u>4,500,788</u>	<u>4,403,589</u>	<u>4,290,216</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$75,529,578	\$72,220,879	\$70,765,692	\$69,132,954	\$67,163,921
7. Available resources: (1)+(2)-(4)+(5)	\$95,219,502	\$90,288,319	\$86,590,667	\$85,024,781	\$83,264,765
8. Solvency ratio: (7) ÷ (3)	4.836	4.997	5.472	5.350	5.171
	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
1. Market Value at beginning of year	\$67,163,921	\$64,893,615	\$62,409,373	\$59,818,871	\$57,187,215
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	16,254,354	16,303,879	16,235,207	16,096,333	15,981,412
4. Administrative expenses	491,727	506,479	521,673	537,323	553,443
5. Investment earnings	<u>4,156,775</u>	<u>4,007,116</u>	<u>3,847,378</u>	<u>3,683,000</u>	<u>3,515,154</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$64,893,615	\$62,409,373	\$59,818,871	\$57,187,215	\$54,486,514
7. Available resources: (1)+(2)-(4)+(5)	\$81,147,969	\$78,713,252	\$76,054,078	\$73,283,548	\$70,467,926
8. Solvency ratio: (7) ÷ (3)	4.992	4.828	4.685	4.553	4.409

*\*Based on actual experience for the five-month period ended September 30, 2015 and 6.50% for the remaining seven months of the Plan Year.*

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

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**EXHIBIT IV (continued)  
Deterministic Projection of Proposed Suspension**

	<b>Year Beginning May 1</b>				
	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
1. Market Value at beginning of year	\$54,486,514	\$51,779,241	\$49,079,566	\$46,394,835	\$43,759,151
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	15,801,154	15,606,260	15,404,218	15,169,557	14,956,368
4. Administrative expenses	570,046	587,147	604,761	622,904	641,591
5. Investment earnings	<u>3,344,927</u>	<u>3,174,732</u>	<u>3,005,248</u>	<u>2,837,777</u>	<u>2,672,779</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$51,779,241	\$49,079,566	\$46,394,835	\$43,759,151	\$41,152,971
7. Available resources: (1)+(2)-(4)+(5)	\$67,580,395	\$64,685,826	\$61,799,053	\$58,928,708	\$56,109,339
8. Solvency ratio: (7) ÷ (3)	4.277	4.145	4.012	3.885	3.752
	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>
1. Market Value at beginning of year	\$41,152,971	\$38,589,109	\$36,077,648	\$33,590,644	\$31,193,579
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	14,732,064	14,500,082	14,297,869	14,033,161	13,805,573
4. Administrative expenses	660,839	680,664	701,084	722,117	743,781
5. Investment earnings	<u>2,510,041</u>	<u>2,350,285</u>	<u>2,192,949</u>	<u>2,039,213</u>	<u>1,890,096</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$38,589,109	\$36,077,648	\$33,590,644	\$31,193,579	\$28,853,321
7. Available resources: (1)+(2)-(4)+(5)	\$53,321,173	\$50,577,730	\$47,888,513	\$45,226,740	\$42,658,894
8. Solvency ratio: (7) ÷ (3)	3.619	3.488	3.349	3.223	3.090

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

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**EXHIBIT IV (continued)  
Deterministic Projection of Proposed Suspension**

	<b>Year Beginning May 1</b>				
	<b>2035</b>	<b>2036</b>	<b>2037</b>	<b>2038</b>	<b>2039</b>
1. Market Value at beginning of year	\$28,853,321	\$26,675,850	\$24,692,503	\$22,964,128	\$21,440,569
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	13,478,269	13,130,192	12,734,714	12,403,155	12,031,549
4. Administrative expenses	766,094	789,077	812,749	837,131	862,245
5. Investment earnings	<u>1,747,892</u>	<u>1,616,922</u>	<u>1,500,088</u>	<u>1,397,727</u>	<u>1,309,956</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$26,675,850	\$24,692,503	\$22,964,128	\$21,440,569	\$20,175,731
7. Available resources: (1)+(2)-(4)+(5)	\$40,154,119	\$37,822,695	\$35,698,842	\$33,843,724	\$32,207,280
8. Solvency ratio: (7) ÷ (3)	2.979	2.881	2.803	2.729	2.677
	<b>2040</b>	<b>2041</b>	<b>2042</b>	<b>2043</b>	<b>2044</b>
1. Market Value at beginning of year	\$20,175,731	\$19,157,480	\$18,416,583	\$17,995,569	\$17,913,619
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	11,687,230	11,327,861	10,943,961	10,560,799	10,171,048
4. Administrative expenses	888,112	914,755	942,198	970,464	999,578
5. Investment earnings	<u>1,238,091</u>	<u>1,182,719</u>	<u>1,146,145</u>	<u>1,130,313</u>	<u>1,136,707</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$19,157,480	\$18,416,583	\$17,995,569	\$17,913,619	\$18,198,700
7. Available resources: (1)+(2)-(4)+(5)	\$30,844,710	\$29,744,444	\$28,939,530	\$28,474,418	\$28,369,748
8. Solvency ratio: (7) ÷ (3)	2.639	2.626	2.644	2.696	2.789

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

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**EXHIBIT IV (continued)  
Deterministic Projection of Proposed Suspension**

	<b>Year Beginning May 1</b>				
	<b>2045</b>	<b>2046</b>	<b>2047</b>	<b>2048</b>	<b>2049</b>
1. Market Value at beginning of year	\$18,198,700	\$18,829,171	\$19,852,267	\$21,271,067	\$23,085,651
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	9,824,490	9,453,028	9,102,373	8,775,598	8,458,098
4. Administrative expenses	1,029,565	1,060,452	1,092,266	1,125,034	1,158,785
5. Investment earnings	<u>1,165,526</u>	<u>1,217,576</u>	<u>1,294,439</u>	<u>1,396,216</u>	<u>1,523,386</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$18,829,171	\$19,852,267	\$21,271,067	\$23,085,651	\$25,311,154
7. Available resources: (1)+(2)-(4)+(5)	\$28,653,661	\$29,305,295	\$30,373,440	\$31,861,249	\$33,769,252
8. Solvency ratio: (7) ÷ (3)	2.917	3.100	3.337	3.631	3.993
	<b>2050</b>	<b>2051</b>	<b>2052</b>	<b>2053</b>	<b>2054</b>
1. Market Value at beginning of year	\$25,311,154	\$27,948,030	\$30,999,636	\$34,495,791	\$38,434,825
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	8,165,014	7,893,535	7,618,208	7,371,380	7,144,715
4. Administrative expenses	1,193,549	1,229,355	1,266,236	1,304,223	1,343,350
5. Investment earnings	<u>1,676,439</u>	<u>1,855,496</u>	<u>2,061,599</u>	<u>2,295,637</u>	<u>2,557,769</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$27,948,030	\$30,999,636	\$34,495,791	\$38,434,825	\$42,823,529
7. Available resources: (1)+(2)-(4)+(5)	\$36,113,044	\$38,893,171	\$42,113,999	\$45,806,205	\$49,968,244
8. Solvency ratio: (7) ÷ (3)	4.423	4.927	5.528	6.214	6.994

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

EIN 51-0161467/PN 001

**EXHIBIT V  
Stochastic Projection of Proposed Suspension**

<b>Year Beginning May 1</b>	<b>Probability of Remaining Solvent Through the Year and All Prior Years</b>	<b>Year Beginning May 1</b>	<b>Probability of Remaining Solvent Through the Year and All Prior Years</b>
2016	100.0%	2036	63.3%
2017	100.0%	2037	61.1%
2018	100.0%	2038	59.3%
2019	100.0%	2039	58.0%
2020	100.0%	2040	56.8%
2021	100.0%	2041	56.0%
2022	100.0%	2042	55.3%
2023	99.9%	2043	54.8%
2024	99.4%	2044	54.4%
2025	98.3%	2045	54.3%
2026	96.6%	2046	54.2%
2027	93.7%	2047	54.2%
2028	90.2%	2048	54.2%
2029	86.2%	2049	54.2%
2030	82.3%	2050	54.2%
2031	78.3%	2051	54.2%
2032	74.8%	2052	54.2%
2033	71.4%	2053	54.2%
2034	68.4%	2054	54.2%
2035	65.5%		

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

EIN 51-0161467/PN 001

**EXHIBIT VI**

**Projection of 5% Smaller Suspension (Median Value of Projected Assets from Stochastic Projection)**

The projected Market Value of Assets and Solvency Ratio for the Plan Years beginning May 1, 2015 through April 30, 2055.

	<b>Year Beginning May 1</b>				
	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
1. Market Value at beginning of year	\$85,351,315	\$76,010,124	\$72,738,192	\$70,913,040	\$69,251,731
2. Contributions	12,002,000	10,608,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	19,689,924	18,152,435	16,036,801	16,108,687	16,325,390
4. Administrative expenses	650,000	500,000	450,000	463,500	477,405
5. Investment earnings	<u>-1,003,268*</u>	<u>4,772,503</u>	<u>4,342,650</u>	<u>4,591,878</u>	<u>3,957,131</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$76,010,124	\$72,738,192	\$70,913,040	\$69,251,731	\$66,725,066
7. Available resources: (1)+(2)-(4)+(5)	\$95,700,048	\$90,890,627	\$86,949,841	\$85,360,418	\$83,050,456
8. Solvency ratio: (7) ÷ (3)	4.860	5.007	5.422	5.299	5.087
	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
1. Market Value at beginning of year	\$66,725,066	\$64,105,005	\$60,980,682	\$58,287,483	\$55,037,086
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	16,485,401	16,538,773	16,471,584	16,332,586	16,217,968
4. Administrative expenses	491,727	506,479	521,673	537,323	553,443
5. Investment earnings	<u>4,038,067</u>	<u>3,601,930</u>	<u>3,981,058</u>	<u>3,300,513</u>	<u>3,113,104</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$64,105,005	\$60,980,682	\$58,287,483	\$55,037,086	\$51,697,779
7. Available resources: (1)+(2)-(4)+(5)	\$80,590,406	\$77,519,455	\$74,759,067	\$71,369,672	\$67,915,747
8. Solvency ratio: (7) ÷ (3)	4.889	4.687	4.539	4.370	4.188

*\*Based on actual experience for the five-month period ended September 30, 2015 and stochastically modeled investment returns for the remaining seven months of the Plan Year.*

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

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**EXHIBIT VI (continued)**

**Projection of 5% Smaller Suspension (Median Value of Projected Assets from Stochastic Projection)**

	<b>Year Beginning May 1</b>				
	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
1. Market Value at beginning of year	\$51,697,779	\$48,502,680	\$45,258,687	\$42,234,780	\$38,878,795
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	16,035,810	15,838,429	15,633,273	15,394,686	15,176,960
4. Administrative expenses	570,046	587,147	604,761	622,904	641,591
5. Investment earnings	<u>3,091,758</u>	<u>2,862,583</u>	<u>2,895,127</u>	<u>2,342,606</u>	<u>2,267,246</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$48,502,680	\$45,258,687	\$42,234,780	\$38,878,795	\$35,646,490
7. Available resources: (1)+(2)-(4)+(5)	\$64,538,490	\$61,097,116	\$57,868,053	\$54,273,481	\$50,823,450
8. Solvency ratio: (7) ÷ (3)	4.025	3.858	3.702	3.525	3.349
	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>
1. Market Value at beginning of year	\$35,646,490	\$32,419,685	\$29,083,428	\$25,519,230	\$22,570,753
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	14,947,663	14,709,688	14,501,361	14,230,139	13,995,160
4. Administrative expenses	660,839	680,664	701,084	722,117	743,781
5. Investment earnings	<u>2,062,697</u>	<u>1,735,095</u>	<u>1,319,248</u>	<u>1,684,779</u>	<u>1,037,707</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$32,419,685	\$29,083,428	\$25,519,230	\$22,570,753	\$19,188,519
7. Available resources: (1)+(2)-(4)+(5)	\$47,367,348	\$43,793,116	\$40,020,591	\$36,800,892	\$33,183,679
8. Solvency ratio: (7) ÷ (3)	3.169	2.977	2.760	2.586	2.371

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

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**EXHIBIT VI (continued)**

**Projection of 5% Smaller Suspension (Median Value of Projected Assets from Stochastic Projection)**

	<b>Year Beginning May 1</b>				
	<b>2035</b>	<b>2036</b>	<b>2037</b>	<b>2038</b>	<b>2039</b>
1. Market Value at beginning of year	\$19,188,519	\$16,034,186	\$13,467,349	\$10,417,110	\$7,581,464
2. Contributions	10,319,000	10,319,000	10,319,000	10,319,000	10,319,000
3. Benefit payments	13,659,643	13,302,909	12,898,501	12,558,132	12,177,544
4. Administrative expenses	766,094	789,077	812,749	837,131	862,245
5. Investment earnings	<u>952,405</u>	<u>1,206,149</u>	<u>342,011</u>	<u>240,617</u>	<u>417,739</u>
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$16,034,186	\$13,467,349	\$10,417,110	\$7,581,464	\$5,278,414
7. Available resources: (1)+(2)-(4)+(5)	\$29,693,829	\$26,770,258	\$23,315,611	\$20,139,596	\$17,455,958
8. Solvency ratio: (7) ÷ (3)	2.174	2.012	1.808	1.604	1.433
	<b>2040</b>	<b>2041</b>	<b>2042</b>		
1. Market Value at beginning of year	\$5,278,414	\$3,127,201	\$1,272,921		
2. Contributions	10,319,000	10,319,000	10,319,000		
3. Benefit payments	11,824,120	11,455,775	11,062,975		
4. Administrative expenses	888,112	914,755	942,198		
5. Investment earnings	<u>242,019</u>	<u>197,250</u>	<u>N/A</u>		
6. Market Value at end of year: (1)+(2)-(3)-(4)+(5)	\$3,127,201	\$1,272,921	Insolvent		
7. Available resources: (1)+(2)-(4)+(5)	\$14,951,321	\$12,728,696	\$10,649,723		
8. Solvency ratio: (7) ÷ (3)	1.264	1.111	0.963		

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

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**EXHIBIT VII  
Stochastic Projection of 5% Smaller Suspension**

<b>Year Beginning May 1</b>	<b>Probability of Remaining Solvent Through the Year and All Prior Years</b>	<b>Year Beginning May 1</b>	<b>Probability of Remaining Solvent Through the Year and All Prior Years</b>
2016	100.0%	2036	57.6%
2017	100.0%	2037	55.5%
2018	100.0%	2038	53.9%
2019	100.0%	2039	52.6%
2020	100.0%	2040	51.6%
2021	100.0%	2041	50.7%
2022	100.0%	2042	49.8%
2023	99.8%		
2024	99.0%		
2025	97.5%		
2026	95.1%		
2027	91.6%		
2028	87.3%		
2029	83.0%		
2030	78.3%		
2031	74.1%		
2032	70.1%		
2033	66.4%		
2034	63.2%		
2035	60.2%		

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

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**EXHIBIT VIII  
Projected Total Contribution Base Units and Average Contribution Rates**

<b>Year Beginning May 1</b>	<b>Total Contribution Base Units (Hours)</b>	<b>Contribution Rate (Hourly)</b>	<b>Year Beginning May 1</b>	<b>Total Contribution Base Units (Hours)</b>	<b>Contribution Rate (Hourly)</b>
2015	1,200,200	\$10.00	2035	1,031,900	\$10.00
2016	1,060,800	10.00	2036	1,031,900	10.00
2017	1,031,900	10.00	2037	1,031,900	10.00
2018	1,031,900	10.00	2038	1,031,900	10.00
2019	1,031,900	10.00	2039	1,031,900	10.00
2020	1,031,900	10.00	2040	1,031,900	10.00
2021	1,031,900	10.00	2041	1,031,900	10.00
2022	1,031,900	10.00	2042	1,031,900	10.00
2023	1,031,900	10.00	2043	1,031,900	10.00
2024	1,031,900	10.00	2044	1,031,900	10.00
2025	1,031,900	10.00	2045	1,031,900	10.00
2026	1,031,900	10.00	2046	1,031,900	10.00
2027	1,031,900	10.00	2047	1,031,900	10.00
2028	1,031,900	10.00	2048	1,031,900	10.00
2029	1,031,900	10.00	2049	1,031,900	10.00
2030	1,031,900	10.00	2050	1,031,900	10.00
2031	1,031,900	10.00	2051	1,031,900	10.00
2032	1,031,900	10.00	2052	1,031,900	10.00
2033	1,031,900	10.00	2053	1,031,900	10.00
2034	1,031,900	10.00	2054	1,031,900	10.00

**EXHIBIT IX**

**Assumptions and Methodology**

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The data, actuarial assumptions and methodology are as used in the May 1, 2015 Actuarial Valuation Certificate, dated December 21, 2015, as well as the Actuarial Certification of Plan Status as of May 1, 2015 under IRC Section 432, dated July 29, 2015, except as specifically described below. The calculations are based on a current understanding of the requirements of ERISA Section 305, IRC Section 432, temporary regulation §1.432(e)(9)-1T, proposed regulation §1.432(e)(9)-1 and Revenue Procedure 2015-34.

- Data:** Supplemental data was provided by the Fund Office to calculate PBGC guaranteed benefits and to model the proposed benefit suspension.
- Projected Industry Activity:** The projected industry assumption is based on input from the plan sponsor for the actuarial certification of plan status as of May 1, 2015.
- New Entrants:** New entrants are assumed to have a demographic mix consistent with recent entrants during the past five years.
- Financial Information:** Contribution income, benefit payments, and administrative expenses for the period beginning May 1, 2015 and ending September 30, 2015, and the value of non-invested assets as of September 30, 2015 was based on an unaudited financial statement provided by the Fund Office. The value of invested assets as of September 30, 2015 was provided by the Investment Manager. In addition, the value of assets was reduced by the present value of withdrawal liability payments refundable to a withdrawn employer.
- Annual administrative expenses are assumed to be \$650,000 for the 2015 Plan year, \$500,000 for the 2016 Plan year, \$450,000 for the 2017 Plan year and increase by 3% per year thereafter. The annual administrative expenses were based on historical and current data, adjusted to reflect the increase in PBGC premiums and estimated future experience based on professional judgment.
- Post-September 30, 2015 annual investment returns for deterministic projections are assumed to be 6.5% per year.
- The net investment return assumption is a long-term estimate derived from historical data, current and recent market expectations, and professional judgment. As part of the analysis, a building block approach was used that reflects inflation expectations and anticipated risk premiums for each of the portfolio's asset classes as provided by Segal Rogerscasey, as well as the Plan's target asset allocation.

**Actuarial Solvency Certification under ERISA Section 305(e)(9)(C)(i) and IRC Section 432(e)(9)(C)(i) for the Iron Workers Local 17 Pension Fund**

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**Benefit Payment Projections:**

Benefit payments were based on a closed group valuation for participants included in the 2015 actuarial valuation and an open group valuation for new entrants.

**Stochastic Projections:**

Stochastic projections are based on a Monte Carlo simulation of market value investment returns with 10,000 trials. Other cash flows are based on a deterministic projection.

Stochastic modeling of investment returns begins October 1, 2015. The initial value of assets is based on the actual value as of September 30, 2015. There are no future gains or losses except for investment returns generated under the stochastic projections.

The assumptions for stochastic modeling were based on the Plan’s target asset allocation and capital market assumptions reflecting a 15-year horizon provided by Segal Rogerscasey, as follows:

<b>Asset Class</b>	<b>Target Allocation</b>	<b>Expected Returns</b>	<b>Standard Deviation</b>
U.S. equities	45%	8.7%	18.5%
International equities (developed market)	15%	9.4%	21.0%
Fixed income	27%	3.6%	5.0%
Equity oriented real estate	13%	6.5%	12.0%

<b>Correlations</b>	<b>U.S. equities</b>	<b>International equities (developed market)</b>	<b>Fixed income</b>	<b>Equity oriented real estate</b>
U.S. equities	1.00			
International equities (developed market)	0.88	1.00		
Fixed income	0.06	0.14	1.00	
Equity oriented real estate	0.26	0.19	-0.25	1.00

**EXHIBIT X**  
**Proposed Benefit Suspensions**

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The plan of benefits is as used in the May 1, 2015 actuarial valuation certificate, dated December 21, 2015, except as specifically described below.

**Proposed Benefit Suspensions:**

Effective December 1, 2016, the Plan will recalculate accrued benefits or benefits in pay status for all affected participants as described below, but no less than 110% of the benefit guaranteed by the PBGC:

- A participant's accrued benefit as of April 30, 2016 will be calculated so that the participant's average benefit accrual rate is no greater than \$72 per Benefit Credit through April 30, 2016. Benefits will be accrued at \$50 per Benefit Credit after April 30, 2016.
- For periods of service between May 1, 1986 and April 30, 2005, a participant could earn more than one Benefit Credit during a plan year by working more than the number of hours required to earn one Benefit Credit. Effective on the suspension date, Benefit Credit for any plan year is limited to one year.
- For participants who commenced their pension prior to May 1, 2009 and met certain service requirements, there was no reduction for early commencement of benefits. Effective on the suspension date, these participants are subject to a reduction of 1/12 of 1.5% for each month that their pension commenced prior to age 62.

The above changes will not affect the following groups of participants:

- Participants who were awarded with a disability pension and beneficiaries of such participants, and
- Participants and beneficiaries who are at least age 80 as of the suspension date.

The amount of benefit payable on and after the suspension date for participants and beneficiaries who are at least age 75 but less than age 80 as of the suspension date will equal the sum of:

- The amount of benefit calculated above, and
- 1/60 of the difference between the benefit payable before the suspension date and the amount of benefit calculated above, if any, multiplied by the number of months the participant is over age 75 on the suspension date.

**Other Amendments:**

In accordance with the proposed amendments to be implemented in conjunction with the benefit suspension effective December 1, 2016:

- Participants who had commenced pension by the suspension date may return to covered employment and get paid for not more than 39.5 hours per months without having their benefit be fully suspended.

**Technical Issues**

Segal Consulting (“Segal”) does not practice law and, therefore, cannot and does not provide legal advice. Any statutory interpretation on which the certification is based reflects Segal’s understanding as an actuarial firm. Due to the complexity of the statute and the significance of its ramifications, Segal recommends that the Board of Trustees consult with legal counsel when making any decisions regarding compliance with ERISA and the Internal Revenue Code.

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