

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Zimmer Holdings, Inc. (the "Company") on Form 10-Q for the period ending June 30, 2010 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), each of the undersigned certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ David C. Dvorak

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David C. Dvorak  
*President and Chief Executive Officer*

August 5, 2010

/s/ James T. Crines

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James T. Crines  
*Executive Vice President, Finance  
and Chief Financial Officer*

August 5, 2010