

URM WEBINAR #4 Unreinforced Masonry (URM) Construction, Assessment, Restoration

Session Title: Unreinforced Masonry (URM) Construction, Assessment, Restoration
Date: Thurs Nov 19 2020, 1030a – 1130a PDT
Credits Offered: 1.0 HSW



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Presenters and Bios:

Tonia Sorrell-Neal, LEED AP, Executive Director, *Masonry Institute of Washington*

Tonia Sorrell-Neal serves as the Executive Director of the Masonry Institute of Washington, a statewide education and promotion entity serving mason contractors, manufacturers and suppliers; working with brick, block, stone, marble, restoration, PCC and tile. Tonia has more than 20 years of experience in the construction industry as an association director and legislative liaison. Tonia began her career in the construction industry in 1993 at the law firm of Brown Todd & Heyburn, LLC focusing on construction defect litigation. In 1996, she transitioned to association representation as government affairs director, legislative liaison and member services for the general contractor, subcontractor and homebuilding industries. Tonia has participated and actively engaged in the development of Seattle's URM Committee since 2010; as well as the newly created Portland URM committee. She is the masonry industry representative for the Western State Clay Products Association, the Masonry Executives Council and the Western Washington Masonry Trades Joint Apprenticeship Training Council.

Amy Lamb Woods, P.E., Director of Technical Education, *International Masonry Institute*

Amy Lamb Woods, P.E. is the Director of Technical Education with the International Masonry Institute (IMI) and a licensed Professional Engineer in Washington, Wisconsin, Minnesota, and Oregon. Her background combines architecture, historic preservation, and civil engineering materials. Ms. Woods has over 20 years of experience in the field of forensic engineering of building materials, both historic and contemporary structures. Her experience includes facade and failure investigations with materials such as brick masonry, terra cotta, stone, concrete, terrazzo, and stucco. Her primary interest is with projects involving the investigation and repair of historic masonry and concrete materials. From the University of Illinois at Urbana-Champaign, Ms. Woods obtained a BS in Architecture, MA in Architecture Historic Preservation, and an MS in Civil Engineering Building Materials with a focus on cement chemistry. She is a Board member for the Association for Preservation Technology International (APT), past Board member of the International Concrete Repair Institute (ICRI) Seattle and Chicago chapters, and founder of Women in Restoration & Engineering (WiRE).

Wayne Belcher, President, *United Professionals Caulking & Restoration, Inc.*

As a master craftsman, project manager and educator, Wayne has been working within the sealant and waterproofing industry for over 25 years in the Pacific North West. Contributed in founding United Professional Caulking & Restoration in 1991, with over \$60 million dollars in successfully completed commercial contract work without construction defect, claim or issue, and has maintained a dedicated union work force to ensure quality, performance, and dependability. Wayne, having specialized in building façade sealant detailing, currently works with general contractors, architects, consultants, and local unions in the training and education of good sealant practices and curriculum for apprenticeship training.

Session Description:

This session will focus on understanding the rationale and methodology for condition assessment and the repair and restoration of historic unreinforced masonry (URM) buildings. Specific short-term and long-term maintenance goals from the installer perspective will be provided.

Much of what is considered visible deterioration can be attributed to any number of factors including the ways in which the brick was manufactured, how it was used within the construction, associated building materials/features, exposure to weather, and previous maintenance or repair campaigns. The program will provide insight into common types of deterioration and material behavior along with specific intervention

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methods and materials that may be appropriate and sympathetic to the original materials. Treatments options consider the U.S. Secretary of Interior Standards when the URM building is historic. A holistic approach to URM facades are critical to its restoration and seismic upgrades.

