



**Several New Resources Added to Foundation's Library** – This year, the Foundation has released four new projects, with many more expected soon (see Coming Down the Pike, below). These new resources include:

**Simulation-based Investigation of the Performance of Low-rise Concrete Walls with Low Reinforcement Ratios:** This report presents the findings of a simulation-based investigation of low-rise, lightly reinforced concrete walls to identify opportunities for achieving performance objectives while using less and more widely spaced steel reinforcement than is currently allowed by the ACI Code. It may be found [here](#), on the Foundation's [Concrete Applications](#) page.

**Concrete Strength Model:** The Concrete Strength Model was developed to provide concrete producers with a simple model to help them optimize their concrete mixtures for strength without overdesigning them. Materials available include a [Report](#), [Model Spreadsheet](#), [Spreadsheet Instructions](#) and [Trial Batch Mixtures Spreadsheet](#). All of these materials are also available from the Foundation's [Concrete Applications](#) page.

**Earthquake Performance Comparison of Multifamily, Multistory Apartment Building Constructed of Various Materials:** This report evaluated the comparative seismic performance of four commonly used construction types, including traditional wood framing, cross laminated timber (CLT), steel framing and concrete built using insulated concrete forms (ICF) for a typical multifamily building in three cities: Los Angeles, Seattle, and Memphis. It may be found on the Foundation's [Concrete Applications](#) page.

**Guide to Concrete Overlays of Asphalt Parking Lots – 2nd Edition:** This revised edition builds on the detailed information provided in the original Guide and adds more project case studies, information on the use of microfibers, details the use of laser screed technologies and includes updated reference documentation. It may be found on the Foundation's [Concrete Applications](#) page.

**MIT CSHub Provides Research & Tools to Support Priority Issues for the Concrete Industry and Nation** – Under the leadership of Director Dr. Handkerchief, the MIT Concrete Sustainability Hub (CSHub) continues to develop critical research and tools with emphasis on three key areas of priority for the concrete industry and nation as a whole: realizing carbon neutrality, building world-class infrastructure with finite resources, and creating resilient structures and cities. In addition to its multi-disciplinary team of expert researchers working on embodied carbon, concrete science, buildings, pavements and resilience, the MIT CSHub has recently added a new Communications Administrator,

Andrew Laurent, to continue the effort to reach key stakeholders and policy makers with their valuable information and tools for improved decision-making. View more about the MIT CSHub's latest activities at <https://cshub.mit.edu>. For additional information, contact Julie Garbini.

**Foundation Gears up for 2022 Walk for Wellness** – The 2022 Walk for Wellness is scheduled for Saturday, October 1st in conjunction with NRMCA's National Mixer Driver Championship at NRMCA's [ConcreteWorks](#) 2022. This popular event had its greatest turnout in 2021 and we hope to surpass last year's record 60 participants! Registration is \$25 and is fully tax deductible as a donation to the Foundation. Register [here](#) and look for sponsorship opportunities coming soon!

**Coming Down the Pike** – Here is a list of pending deliverables:

- Compilation of Acoustic Data for Concrete Construction\*
- Update to Concrete Delivery Professional Certification Content and Format
- Skate4Concrete Recruitment Program
- Concrete Habitat Homes Design and Construction Competition\*
- Concrete Testing Adherence Collaboration to National Usage\*
- Life-365 Tool – Transformation to an Online Platform\*
- Validation of Reduced Reinforcing Spacing in Concrete Walls\*
- Comparison of Cost & Energy Performance Comparison: Houses Built with ICF vs. Conventional Construction
- Reliable Measurement and Speciation of Sulfur in Concrete Aggregates

\*Proud to Co-Fund with NRMCA, Other Partners

**Amazon Prime Day Offers No-Cost Foundation Support Opportunity** –This year's Amazon Prime Days are scheduled for Tuesday and Wednesday, July 12 & 13. Amazon's Prime Days offer not only an excellent opportunity to save on thousands of items but to easily support the Foundation at the same

time. By signing up with AmazonSmile and designating the RMC Research &Education Foundation as the charity of your choice, you can ensure that 0.5% of almost all of your AmazonSmile purchases are donated to the Foundation. Amazon Smile is exactly the same as regular Amazon – the only difference is the donation made to your charity of choice. Simply visit <https://smile.amazon.com/ch/52-1680963> to sign up. Since its inception, the Amazon Smile program has generated almost \$4,000 in donations to the Foundation. It's an easy way to support the Foundation while shopping at Amazon.

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