



REGIONAL CONCRETEWORKS

North Central Region

Date, Time, Location

Wednesday, August 23, 2017

7:30am - 3:30pm

Delta Hotels Marriott Fargo
1635 42nd Street SW
Fargo, ND 58103

Cost: \$60 US per person

Agenda

7:30am - 8:00am	Registration and Continental Breakfast
8:00am - 8:30am	Welcome and Introductions
8:30am - 9:30am	Quality Control/Quality Acceptance (QC/QA) Specifications for Concrete Flatwork and Pavements
9:30am - 10:30am	Concrete Overlays for Street, Local Roads and Parking Lots
10:30am - 10:45am	Break
10:45am - 11:45pm	Making the Case for Concrete Buildings (BWS)
11:45pm - 12:15pm	Lunch
12:15pm - 1:15pm	Life Cycle Assessment of Concrete Structures
1:15pm - 2:15pm	Recent Changes to Industry Standards Impacting the Industry—ACI 318, ACI 332, ACI 301, ASTM C94
2:15pm - 2:30pm	Break
2:30pm - 3:30pm	Construction Inspection of Concrete Flatwork and Pavement

Topics

QUALITY CONTROL/ QUALITY ACCEPTANCE (QC/QA) SPECIFICATIONS FOR CONCRETE FLAT- WORK & PAVEMENTS

Over the last couple of decades, QC/QA specifications have been more readily adopted by owners for transportation related projects. The focus of this presentation will define the different types of specifications used by owners, reasons for using QC/QA specifications, pertinent points regarding QC/QA specifications, advantages of QC/QA specifications, and some statistical background to help understand how risk is better balanced between owners and contracting partners when using QC/QA specifications.

CONCRETE OVERLAYS FOR STREET, LOCAL ROADS AND PARKING LOTS

Rehabilitating an existing paving with a concrete overlay represents one of the largest growth opportunities for the ready mixed concrete industry. Whether the existing paving is currently concrete or asphalt, a street and local roads (SLR) or parking lot project, the time proven practices for a successful concrete overlay project is covered in this session. Attendees will learn where to get the most current information and see examples of successful projects, along with construction best practices referencing industry standard and accepted guide manuals. This session is a must for anyone getting started in concrete overlays of existing pavement, or as a refresher course for those already engaged in the application.



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Topics continued

MAKING THE CASE FOR CONCRETE BUILDINGS (BWS)

Build with Strength is educating the building and design communities and policymakers on the benefits of ready mixed concrete, and encouraging its use as the building material of choice for low-to mid-rise structures. Join us to learn more about these efforts, and obtain the tools necessary to stand up for stronger and more resilient buildings in your own community.
(Pending AIA approval -1 hr credit)

LIFE CYCLE ASSESSMENT OF CONCRETE STRUCTURES

Concrete offers many environmental attributes that help reduce the overall life cycle impacts of a building. This course explores how life cycle assessment can be used to measure and lower the environmental impacts of buildings.
(Pending AIA approval -1 hr credit)

RECENT CHANGES TO INDUSTRY STANDARDS IMPACTING THE INDUSTRY- ACI 318, ACI 332, ACI 301, ASTM C94

NRMCA Engineering Division will provide an update on developments and some initiatives in the standards area that can benefit the ready mixed concrete industry. Updates will cover standards within ACI, ASTM and AASHTO that impact private and public construction.

CONSTRUCTION INSPEC- TION OF CONCRETE FLAT- WORK AND PAVEMENT: AVOIDING PITFALLS AND WORKING WITH OWNER AGENCIES/DEVELOPERS TO RESOLVE ISSUES

Construction inspection by owner agencies potentially reduces their risk of accepting noncompliant construction but can also lead to adversarial relationships on a project. This presentation will answer why you should care about inspection as well as discuss the importance of quality from the perspective of the contracting partners, explain what to do when things go wrong, and highlight the benefits of clearly communicating with owners/developers and how contracting risk and conflict can be minimized.

All sessions qualify for engineer Professional Development Hours



Space is Limited to 40 Attendees.

Registrations will be accepted on a first-come, first-served basis as long as space is available.

Register On-Line at www.nrmca.org/Conferences_Events/ConcreteWorks/2017/regional_northcentral.asp

OR Complete form and fax to NRMCA at (301) 565-8200.

For security, we do NOT recommend emailing credit card information.

Registrant Information

Name

Title

Company

Address (No PO Boxes)

City/State/Zip

Phone/Fax

Email

Emergency Contact Name/Phone

Special needs (attach special needs information)

Payment Information

COST \$60 US per person

VISA MasterCard AMEX

Card Number

Name on Credit Card (Print)

Expiration Date

Signature

Cancellation Policy: Full cancellation refunds will be extended until August 18th, 2017. All cancellations after that date will not be refunded. Substitutions may be made at any time by providing new registrant information to: meetings@nrmca.org or contacting NRMCA's Jessica Walgenbach at (240) 485-1152.

Hotel Information: The Delta Hotels Marriott Fargo is located less than 15 minutes from the airport (code FAR). For those needing overnight accommodations in connection with this event, there is a small block of rooms available at a special group rate of \$89 US plus taxes & fees. Reservations can be made by calling 1-701-277-9000 and referencing group National Ready Mixed Concrete Assn. Rooms are available on a first-come first-served basis, but reservations MUST be made by **Friday, August 11th** to receive the group rate.

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Aggregate & Ready Mix Association of Minnesota

Iowa Ready Mixed Concrete Association

Manitoba Ready Mix Concrete Association

Minnesota Concrete Council

Nebraska Concrete and Aggregates Association

North Dakota Ready Mix & Concrete Products Association, Inc.

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