

## **NRMCA Strategic Planning – Engineering Division**

### **Background**

The Engineering Division staff include the following:

- Two engineers (both with Ph.D, PE) with relatively long tenure at the Association.
- Two support staff people manage some of the administrative tasks on awards, lab invoicing, meeting support, but primarily process plant certification.
- Three full time personnel at lab staffs (one manager, two technicians) and one part time person.
- Education programs receive support from education and meetings department staff.

### **Current Work Plan**

- Technical Advocacy – participate on primary committees developing standards and guides impacting industry – at ACI, ASTM, TRB, AASHTO, and interaction with other public and private organizations as needed and advocate for the following:
  - Performance Specifications
  - Sustainability initiatives for low carbon concrete
  - Reliable acceptance testing
  - Acceptance of innovation
  - Proactive changes to standards to benefit industry
  - Prevent changes that adversely impact industry
  - Support promotion, sustainability, and codes and standards teams as needed
- Research and Contract Testing at the NRMCA Research Laboratory
  - Research supporting industry initiatives for performance, sustainability and evaluation of innovation
  - Contract testing for members and others, to include mining data to support initiatives
  - Maintain laboratory proficiency, develop new capability, maintain accreditation
  - Publish reports and journal papers to disseminate research; include in educational programs
  - Establish protocol and assistance for development of low carbon concrete mixtures
- RES Committee
  - Facilitate at least two meetings of the Committee and task groups on specific issues to allow for collaborative activity of the membership on technical issues in support of the NRMCA strategic plan
  - Maintain industry research needs for concrete materials and evaluate relevant research funded by the Concrete Advancement Foundation
  - Communicate activities of the RES Committee to the NRMCA Board of Directors
  - Administer two award programs – Richard D. Gaynor for individual achievement and Quality award for company recognition
  - Develop information (publications) supporting education of industry members and user groups.
  - Develop resources for industry to improve quality, sustainability, and performance
  - Facilitate consultation with members for member and user issues
  - Facilitate progress on specific initiatives determined to be of interest to the Committee
- Certification of production facilities
  - Maintain a program relevant to current industry standards
  - Maintain approved inspectors and assistants for inspection
  - Promote the use of the program to specifiers
- Technical Education
  - Administer 2 each annually of following – Technical Short Course (Level 2 and 3 certification); Durability Course (Level 4 certification; Improving Quality (1-day); Specifications and strength testing (1-day)
  - Administer Flatwork Finisher and Pervious Concrete Contractor (to be passed on to ACI) certification through local sponsoring groups.