I. **WELCOME & ANTITRUST STATEMENT** – Mr. Holliday called the meeting to order and indicated that it would be conducted in strict compliance with the Foundation’s Antitrust Statement and all US Antitrust laws.

II. **APPROVAL OF THE MINUTES** – Mr. Holliday asked if there were any changes to the minutes from the last call that took place on September 5, 2018 and there were none.

**MOTION:** The Program Committee hereby approves the minutes from the September 5, 2018 conference call as written.

III. **PROJECT FUNDING AND MANAGEMENT OVERVIEW**

a. **Project Payment Schedule/Management System/Measures of Success** – Mrs. Garbini reminded the participants that projects are paid by milestone/present complete and that we track the impact the projects are having using the Measures of Success included on the webpage of materials.

b. **MIT Concrete Sustainability Hub** – Mrs. Garbini reported that MIT researchers have participated in several important meetings lately, including the Transportation Research Board (TRB), Global Cement & Concrete Association, National Council on Science and Environment, Embodied Carbon Network, ACI Strategic Development Council, Missouri Legislature, and the CONEXPO-CON/AGG team regarding the 2020 Show Tech Experience. Mrs. Garbini noted that the display that is being developed for the CONEXPO-CON/AGG show is interactive and will have the potential to be taken on the road to various cities after the show.

Mrs. Garbini mentioned the anti-concrete reporting of The Guardian newspaper and noted that the Dr. Jeremy Gregory with the CSHub was able to respond to it immediately with a high level
of credibility so that it was published. She also reported that CSHub Executive Director, Dr. Jeremy Gregory, will provide an update during a joint session at the NRMCA Convention and PCA Spring Board Meeting.

Mrs. Garbini asked if there were any questions related to the MIT CSHub work and there were none.

c. Other Project Highlights and Coming Deliverables – Mrs. Garbini noted that there are several deliverables that will be ready within the next three-to-six months, including the new respiratory protection video that was produced in response to a new silica rule, additional titles to the online safety training, the Guide to Concrete Trails, and a first phase report for the resistivity/conductivity project taking place at NRMCA’s lab, and the extended mixing time project is also expected in the first half of the year.

Mrs. Garbini noted that there have been over 15,000 design runs completed from the PavementDesigner.org site, including within every state and some internationally. She also said that the main video of the driver recruitment resources continues to average at least 1,000 views a month on the Foundation's YouTube page with over 35,000 views in total since its release.

Mrs. Garbini asked if there were any other questions and there were none.

IV. FINANCIAL STATUS/BUDGET –

a. Current Endowment and Budget – Mrs. Garbini reported that the endowment currently stands at $19.2 million and that there is approximately $100,000 available in the budget for new projects after taking into account monies earmarked for MIT and projects previously-approved that have payments this year. She further noted that not all of the payments for the projects being considered today would have payments this year but that there likely is only enough funding for a couple of projects this year.

Mrs. Garbini asked if there were any questions regarding the budget and there were none.

V. PROPOSALS FOR CONSIDERATION

a. Project 19-01: Beneficial Reuse of Waste Streams Associated with Drinking Water Sources for use in Ready Mixed Concrete, $135,357 over 24 months, Requested by University of Akron – Mrs. Garbini reported that Advisory Council believed that this was a project that would benefit companies that process drinking water and therefore should be funded by that group. The Program Committee agreed.

MOTION APPROVED: To recommend that Project 19-01 be rejected for funding.

b. Project 19-02: Linking Accelerated ASR Test Methods to Field Exposure: Broadening to Moderate Alkali Contents and Moderate Alkali Loadings, $200,000 over 36 months, Requested by Researchers at University of Texas at Austin, Oregon State University and University of New Brunswick – Mrs. Garbini noted that we are already working with OSU and UNB on another project and that this project would build on that work. She reported that the Advisory Council voted to recommend the project for funding provided that the researchers be asked to narrow
the scope of some of the project tasks in an effort to both increase its relevance and to scale down its cost. Mrs. Garbini also noted that PCA is also being asked to help fund this project and they are considering it.

An inquiry was made regarding project milestones and payments to which Mrs. Garbini responded that projects, especially those that run over a longer period of time, typically have three or four milestones to meet on which progress payments are made. She also clarified that the number of milestones depends on the scope and duration of the project.

Program Committee members agreed that there is value to the project but wanted to ensure that the changes suggested by the Advisory Council were implemented before the project commences.

**MOTION APPROVED:** To recommend that Project 19-02 be approved for funding provided that the researchers make the changes as requested by the Advisory Council to refine and reduce the scope of the project.

c. Project 19-03: Concrete Strength Model to Optimize Concrete Mixtures, $115,200 over 24 months; Requested by ERD Consultants – Mrs. Garbini reported that the Advisory Council voted to recommend that this project be rejected for funding. She explained that there were concerns that the researcher who submitted the project had created a model for optimizing strength in concrete mixtures based on an equation that he also created and that the goal of the project is to formalize and validate the model. However, given the researcher’s reluctance to share the equation, there were concerns that this is a proprietary project and others also believed that modeling like this was already occurring in the industry. Some Project Committee members noted that they felt this could be a good model particularly for smaller ready mixed concrete producers. Others agreed, adding that they felt this model should be made available at a very low cost. Another concern raised was whether there were already other similar models already available and if any other groups may be interested in helping to fund this project. Due to these concerns the Program Committee voted to table the proposal for further discussion at the Trustees meeting.

**MOTION APPROVED:** To table consideration of Project 19-03 in order to investigate the availability of other similar models and see if additional funding sources may be sought.

d. Project 19-04: Performance-Based Specifications Development for Ready Mix Industry in the US – Production, Quality Control and Quality Assurance Procedures, $125,917 over 36 months, Requested by East Carolina University – Mrs. Garbini reported that the Advisory Council members noted that the test methods identified were not necessarily reliable and they had concerns that this project would not be applicable to building markets. In addition, they felt this work was duplicative to work taking place at the CP Tech Center and not of great value. The Program Committee agreed.

**MOTION APPROVED:** To recommend that Project 19-04 be rejected for funding.

e. Project 19-05: NRMCA Class B Entry Level Driver Training for the Ready Mixed Concrete Industry, $50,000 over 12 months, Requested by NRMCA Workforce Development and Safety, Environmental and Operations Committees – Mrs. Garbini said this project came at the request of NRMCA’s Workforce Development Committee and the Safety, Environment and Operations
Committee. She said that the Federal Motor Carrier Safety Administration (FMCSA) has new entry level driver training requirements and this proposal will help the industry meet them by developing a curriculum specific for entry-level ready mixed concrete drivers. Mrs. Garbini said that the Advisory Council voted to recommend this project for approval but also wanted to ensure that it was made available at a low cost and made available to local schools. An inquiry was made about how payments might be made to which Mrs. Garbini responded that most of it would be paid this year but that she could look into it to see if a payment might be pushed off until next year.

**MOTION APPROVED:** To recommend that Project 19-05 be approved for funding.

f. Project 19-06: Concrete Materials and Pavement Instructional Laboratory, $175,000 over 5 years, Requested by University of Illinois at Urbana-Champaign – Mrs. Garbini reported that the Advisory Council voted to recommend that this project be rejected for funding. She said they felt that funding a stand-alone lab was not within the Foundation’s purview and that it would set a bad precedent as they did not want to open the door to multiple requests to fund other labs as opposed to specific research projects. The Program Committee agreed.

**MOTION APPROVED:** To recommend that Project 19-06 be rejected for funding.

g. Project 19-07: Harvesting Ponded & Landfilled Fly Ash for Use in Concrete, $121,350 over 18 months, Requested by Ohio State University – Mrs. Garbini said that the Advisory Council that this was a project that is already being done by other companies and that it is something the power industry should fund. The Program Committee agreed.

**MOTION APPROVED:** To recommend that Project 19-07 be rejected for funding.

VI. OTHER BUSINESS

Mrs. Garbini reminded anyone attending NRMCA’s Convention next week to be sure to stop by the Foundation’s booth. She also noted that Jeremy Gregory would be giving an MIT CSHub update on Wednesday and that she would be providing an update at NRMCA’s Board meeting on Thursday.

Mr. Holliday thanked Mrs. Garbini and Mrs. LeFevre for their work and also thanked the Program Committee members for their participation.

VII. ADJOURNMENT

Hearing no other business, the call was adjourned.

Minutes Respectfully Submitted:

Jennifer LeFevre, Recorder