**NRRA MONTHLY MEETING MINUTES**

**Date:** 03.01.2018

**Time:** 12:30 PM

**Attendees:**

1. Bora Cetin (ISU)
2. William Likos (UW)
3. Heather Shoup (IDOT)
4. John Siekmeier (MnDOT)
5. Thomas Fennessey (MoDOT)
6. Robert Filipczak (MnDOT)
7. Khushminder Sahasi
8. Tuncer Edil (UW)
9. Aaron Budge (MSU)
10. Deepak Maskey (Caltrans)
11. Richard Larson
12. Robert Arndorfer (WiscDOT)
13. Jeffrey Horsfall (WiscDOT
14. Office of Materials and Road Research
15. Haluk Sinan Coban (ISU)

**Discussions**

* FWD analysis will be used to compare the differences between coarse-grained and fine-grained RCAs to better explain the effect of gradation. In addition, cement contents of the RCAs will be determined and the activation of unhydrated cement materials will be investigated.
* Sensitivity analysis will be performed on the GPT data to better understand the importance of some specific parameters and to minimize the complexity of spreadsheet developed for permeability calculations.
* Due to the performance difference between inside and outside lanes (observed in intelligent compaction and LWD analysis), more investigation will be made to better understand the mechanism that may cause the difference. In addition, a field trip will be arranged by ISU and UW-Madison to observe the field conditions.
* FWD, LWD, and intelligent compaction results will be compared for outside and inside lanes to verify that they also show different performance.
* LWD data will be summarized in column graphs with error bars.
* Lower elastic modulus values were analyzed in the Cells in which geogrid and geotextile used together. Possible reasons were discussed and it was said that the lack of interlocking between geogrid and coarse aggregates occurred in the presence of the geosynthetic material. More analyses will be conducted on this.
* All tables and graphs will be prepared both in English and SI units.