

**National Road Research Alliance  
Executive Committee Online Meeting Summary  
September 24, 2019  
Pooled Fund TPF-5(341)**

<https://www.pooledfund.org/Details/Study/590>

**Attendance**

Agency	Attended	Absent
Wisconsin	Scott Lawry Barry Paye	
North Dakota	Amy Beise Matt Linneman	
Michigan	Curtis Bleech	
Missouri	John Donahue Brett Trautman	
Minnesota	Jeff Brunner Ben Worel Lauren Dao	Glenn Engstrom (chair) Greg Ous
California	Joe Holland Kuo-Wei Lee	
Illinois	Charles Wienrank Brian Pfeifer	
LRRB		Lyndon Robjent
FHWA		Bob Orthmeyer

\*Note currently have 55+ associate members participating in NRRRA

**NRRRA Income**

- States need to check on their commitments and payments – See last quarterly report from the pooled fund website and work with Ben Worel and Lisa Jansen (SPR coordinator).
- Illinois Tollway (Partnership) and Iowa (SPR system) is in the process of joining NRRRA.
- Associate membership (2K/year) is being used for NRRRA activities and managed under a different MnDOT account.

**Budget**

- The budget was covered and the available funds remaining – see the last quarterly report.
- Current available funds for the Call for Innovation is 450K without getting funding from the Illinois Tollway or Iowa. With these agencies funds 600K would be available.
- Only other non-committed funds going to NRRRA efforts at this time is the HMA Performance Testing at 75K which will be discussed in the next Flexible team meeting in October.

**NRRRA Projects Update**

- Ben briefly touched on the projects funded to date and their status. Here is a quick glance. Project details are on the NRRRA team pages.
  - 2017 – 8 Short Term Research Projects (all ongoing – some complete)
  - 2017 – 12 Long Term Research Projects (all ongoing)
  - 2019 – 4 Short Term Research Projects (all ongoing)
  - 2019 – 13 Long Term Research Projects
    - Note developing HMA rejuvenator plan and Spray Rejuvenator plan for contract to be developed this fall/winter. Rest are all in process or have been contracted.

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**NRRA Call for Innovation (2019 funding discussion)**

- 23 projects were submitted for funding consideration
- Each state reviewed the proposals individually by team according to the scoring system developed for the teams. These minimum proposal requirements and scoring systems were shared with all NRRA members to do their evaluations. NRRA thanks all groups for their participation in developing each proposal.
- These ratings/rankings were used to select the following projects to be funded using 450K. The ideas will go back to the teams in their October meeting to help define the tasks/goals to be developed into a contract.

NRRA Team	Title / Link	Author	Affiliation	Other Team Members	NRRA Cost	Donated Cost	Cost Share	Total Effort
Flex-2	<a href="#">An Innovative Practical Approach To Assessing Bitumen Compatibility As A Means Of Material Specification</a>	Eshan V. Dave	University of New Hampshire	* Cargill Bioindustrial * H.G. Meigs LLC	204,119	121,640	37%	325,759
Flex-3	<a href="#">Cold Asphalt Recycling Technologies using Rejuvenating Asphalt Emulsion: Impact; Implementation; Specification</a>	Dan Swiertz	Bitumix Solutions	* Cargill Bioindustrial	141,442	49,504	26%	190,946
Rigid-1	<a href="#">Performance of Concrete Overlays over Full Depth Reclamation (FDR)</a>	Tumer Akakin	Aggregate Ready-Mix Association of Minnesota	Concrete Pavement Association of Minnesota	34,265	10,200	23%	\$44,465
Rigid-2	<a href="#">Blending of Higher Strength Aggregates with Recycled Concrete and Marginal Aggregates to Improve Concrete Properties</a>	Rita Lederle	University of St. Thomas	<a href="#">Aggregate Ready Mix Association of Minnesota (ARM) Support Letter</a>	32,332	9,100	22%	41,432
PM-3	<a href="#">Bio-material Maintenance Treatments</a>	Ashley Buss	Iowa State University	United Soybean Board (USB)	50,000	50,000	50%	100,000
					\$ 462,158	\$ 240,444	34%	\$ 702,602

- Assuming additional funding will be provided by Iowa and Illinois Tollway the following project will be developed and funded when and if money comes available.

NRRA Team	Title / Link	Author	Affiliation	Other Team Members	NRRA Cost	Donated Cost	Cost Share	Total Effort
Geo-4	<a href="#">Continuous Moisture Measurement during Pavement Foundation Construction</a>	John Siekmeier	MnDOT	• Caterpillar Paving Products • Center for Transportation Infrastructure Systems • Geophysical Systems Survey Inc. • Infrasense	-	35,000	20%	175,000

- Remaining projects not selected still have value in the future especially related to test sections at MnROAD and other states. We want to continue to support new ideas and partnerships through NRRA.

**TRB Meeting January 2020**

- NRRA will fund travel for two individuals from each state agency to TRB (Contact Ben Worel/Lisa Bilotta). Lisa will be sending out a request/travel details email shortly.
- Agencies should supply the names of the travelers as soon as they can. The following agencies have expressed interest right now CA(1), IL(2), MI(0), MO(1), ND(2), WI(1), MN(1?)
- NRRA will hold a meeting on Tuesday night which is expected to be no more than 1.5 hours.
- NRRA will again have an Exhibit Booth. The focus of the booth will be NRRA but will also highlight associate members. Details are being developed on the display layout and what the 55+ associate members should be allowed to display and share.

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**NRRA Pavement Workshop (May 2020)**

- Scheduled for May 19-21, 2020
- All three days have been reserved at the Shoreview Community Center
- May 19<sup>th</sup> – Possible Training Date. Need to decide if we will do this again this year. Last year there was a full day of training on BIM. NRRA is requesting ideas so the executive committee can start planning if we want to do this in 2020. Could also ask the teams for topics of training and split the day using the rooms available at the community center.
- May 20-21 (2 – days) will be the main workshop dates. It will be held at the Shoreview Community Center. First day focus on NRRA teams and breakout team sessions and the second day more traditional workshop.
- A MnROAD tour will be held on May 19<sup>th</sup> later in the afternoon. This will allow more to be done during the two days but yet allow tours for those who travel the day before. Snacks will be provided.
- Looking for ideas from associate members to support a May 21<sup>st</sup> social event in the evening.

**NRRA Team Leads**

- NRRA supports each team to rotate the leads as needed. If the lead and team are happy no changes are needed but if they want to switch things up they can.
- We are currently looking for volunteers to lead the Geotech and Preventive Maintenance work teams.

**Open Discussion**

- Research Pays off will be focusing on current ongoing NRRA projects for the near future. May start having two topic a month so information can be highlighted and shared.