

**National Road Research Alliance**  
**Executive Committee Meeting Highlights**  
**March 23, 2018**  
**6:00-7:30 pm CST**

**Meeting Goals**

- Open discussion on the things that are going well and how to improve
- Please discuss this agenda with others participating in NRRRA in your state and get their feedback for discussion
- Each item was discussed (**Black Font**) and the additional comments are shown in (**Red Font**)

**Agenda/NOTES**

**General Notes Overall**

- MnDOT to develop a budget plan for the rest of the pooled fund. This will account for funding from years 4 and 5 and new partners. This will be in a separate email.

**1. Welcome/Introductions**

- a. Introductions
  - i. North Dakota also join in the meeting – future state membership
- b. Round Robin / Announcements
- c. Overview of overall needs / concerns each state wants to cover

**2. Overall Team Activities / Effectiveness**

- a. Technical Teams - Contracts ongoing – see second page
- b. New team Development
  - i. Intelligent Construction Technologies
  - ii. How close does this relate to the tech transfer team?
  - iii. Scope and topics being developed – Glenn noted the need for the new team to boost its effectiveness and push for innovation by having an unique team working on this area. Glenn is working on developing the topics. States (2)/associates (1) will be asked to submit names for members on this new team. Website will be developed to assist this team in June.
- c. Tech Transfer Team – discussion on ideas to boost effectiveness
  - i. E-ticketing Write-up – Each team member liked the idea to pursue this topic. MnDOT will work for get a consultant onboard to assist in this effort.
- d. Executive Team
- e. Marketing – newsletters – research pays off - website

**3. Budget**

- a. Details on page 3
- b. MnDOT has determined that ~373K are still available for NRRRA efforts
  - i. MnDOT will develop a plan for review and voting from the EC team. Not all members present at the meeting today.
- c. Review/discuss splits between research-tech transfer-marketing
- d. Rigid Team request ~150K for RCC pavements in Missouri
  - i. This was reduced down to ~\$60K for sensor purchase and MnDOT sensor staff travel to MO to help with the installations. Rigid team should update the work plan proposal. Will be included in the future spending plan for a vote. Included in the funding plan attached. Members present liked the investment.
- e. Seed money for new team?
  - i. Will be included in the future spending plan for a vote

**4. Pooled Fund / Membership**

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- a. Additional States joining
  - b. Fees required from states (money vs participation from others) - Associates express interest in the value of participation over money
  - c. Discuss Funding for years 4-5 of this pooled fund
    - i. This area was discussed and will be included in the future spending plan for a vote. Glenn will propose that States who receive more SPR dollars than Minnesota will continue to provide 150K for years 4 and 5 (all the current states) but states who want to join in years 4 and 5 (receive more SPR than Minnesota the cost is 150K but less SPR will cost will be 75K/year). Glenn Engstrom sent an email request to the team on May 29, 2018.
    - ii. States are asked to let other non-NRRA states know about the opportunities (market) NRRA membership for future years.
  - d. Next Pooled Fund
- 5. Associate Engagement Efforts**
- a. MnDOT is developing a Liaison List of MnDOT staff to be assigned to each associate member to ensure they have a voice and active member to work with. The list will be shared in the near future
- 6. Call for Future Innovation**
- a. Call for new ideas (New construction and maintenance)
  - b. The NRRA website will be updated to allow entry of new ideas for the team and MnROAD staff to use for future activities. Right now MnROAD has 15+ test sections that have the research complete or the cells are expected to start showing lots of distress in the future. This is something that will also help the associate members to help promote new innovative products.

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EMAIL used for VOTING – sent June 7, 2018

**Voting Needed**

1. Future Membership Funding (**Agree or Not**)
  - Current NRRRA states asked to request and provide funding for years 4 (FY-19) and 5 (FY-20) at 150K/year
  - Current NRRRA states asked to market other states to join NRRRA. Funding depends if you get more or less SPR funds than MnDOT. If above cost is 150K/year if below 75K/year. See attached SPR list from 2018.
  - Additional funds expected to the budget
    - Six (\$150k/year) States add \$1,800,000
    - Two (\$75K / year) new States add \$300,000
2. Spending Plan (**Agree or Not** – can disagree with parts of the spending plan)
  - Remaining Budget Expected (2,474K Available)
    - Years 1-3 funds = 373K
    - Years 4-5 funds = 2,100K
  - Spending Plan (next 2 years)
    - This will be fully developed by the individual teams – this is an overall view
    - Totals Below = 2,160K
      - PCC Funding for Missouri = 60K
      - Monitoring MnROAD field data - MnDOT labor years 4-5 - \$400K
      - Possible Tech Transfer Implementation of NCHRP products in the states - \$500K
        - Develop a team (Tech Trans) to review and suggest ideas to implement the national work on a local level
      - Intelligent Construction Technology Funding (new team budget)- \$500K
      - 4 new Topics for the original 4 technical teams - \$700K (~180K team)
      - Leaves 314K for future needs

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**NRRA Contracts**

NRRA Short Term Technology Transfer Topics SRF Consulting under contract		NRRA Long Term Research		
NRRA Team	Title	NRRA Team	Title	Contractor
Flex	Tack Coats	Flex	HMA Overlay of PCC & Methods in Enhancing Compaction	University of New Hampshire
Flex	Longitudinal Joint Construction Performance		Cold Central Plant Recycling	American Engineering and Testing
Rigid	Design and Performance of Concrete Unbonded Overlays	Rigid	Fiber Reinforced Concrete Pavements	University of Minnesota Duluth
Rigid	Repair of Joint Associated Distress Pavements		Early Opening Strength to Traffic	University of Pittsburgh
Geo	Larger Subbase Materials		Optimizing the PCC Mix Components	Iowa State
Geo	Subgrade Design for New and Reconstructed	Geo	Recycled Aggregates and Larger Subbase Materials	Iowa State
PM	Surface Characteristics of Diamond Ground PCC Surfaces	PM	Maintaining Poor Pavements	SRF Consulting
PM	Pavement preservation approaches for lightly surfaced roadways		Partial Depth Repair	Braun Intertec

- Tech Transfer Contract Priorities / status
  - a. Flex - Tack Coats / Flex - Longitudinal Joint (final drafts)
  - b. PM - Diamond Grinding / GeoTech – Subbase Materials (starting)
  - c. Topics for Future each needs more information (start in 1-2 months)
  - d. GeoTech - Subgrade Design for New and Reconstructed
  - e. Rigid – Design and Performance of Concrete Unbonded Overlays
  - f. Rigid - Repair of Joint Associated Distress Pavements
  - g. PM - Pavement preservation approaches lightly surfaced roadways
  - h. **Attached is an updated priority list developed after the meeting – SRF will use this to communicate their needs to the technical teams.**

