

NRRA Pavement Maintenance

November 3, 2016

1. Welcome
2. NRRA Update – Worel
3. MnDOT Contracting Process

MnDOT has a master list (typical research efforts) and consultant/research TRAP lists (efforts under 100K) that are preapproved and ready to hire by MnDOT. MnDOT can also always do a RFP if its justified.

 - 1) Master Contractor List
 - Master List (MnDOT Prequalified – larger \$ research efforts)
 - Iowa State University
 - Montana State University (Western Transportation Institute)
 - North Dakota State University
 - The Texas A&M University System(Texas Transportation Institute)
 - University of Minnesota & University of Minnesota Duluth
 - University of New Hampshire
 - Michigan Technological University
 - University of Pittsburgh
 - University of Wisconsin-Madison
 - 2) Consultant List / Research TRAP List (Under 100K – tech transfer topics)
 - <http://www.dot.state.mn.us/consult/documents/certified-lists/trap.pdf>
 - Detail descriptions attached to this email.
 - Might also be able to use these contractors -
<http://www.dot.state.mn.us/consult/prequal/documents/prequal-by-vendor.pdf>
4. Long Term Research
 - a. Update on 2017 Designs (**spreadsheet attached**)
 - i. Working towards a March 24, 2017 Letting
 - ii. Discussed the current efforts and the 2017 construction layers but now need to focus on special provisions.
ACTION ITEMS (see table 1)
 - Members review and comment on Layers / Materials for the 2017 construction planned
 - Member teams provide special provisions needed in November for the design turn in
 - b. Research Contract timing/Tasks – **See summary table 1**

Discussion took place on the tasks a researcher needs to do to accomplish the goals set out in the written description of the long term research on the web. The team needs to determine the tasks and when they should be done. Need a work plan.

 - i. **ACTION ITEM**
 - Members identify “research” proposed tasks needed for each of the topics
 - Proposal will include all the tasks even if more than one contactor is needed**

and the timing details. Some of the effort is documented in each research descriptions posted on the web.

→ MnROAD plans to do the monitoring and sensor installations as one of the tasks and will provide an estimate to cover this effort.

5. Technology Transfer / Short Term Research Items

a. Tech Transfer Update

i. Yearly Budget for 4 short term @ 25K and 6 tech transfer @ 10K (160K/year)

ii. Teams review top 2 for this effort – team was ok with the top two

iii. ACTION ITEMS

→ Teams (see Table 2) work on online posted statement for the next meeting. Leads identified share with the whole team using email and documents will be posted on the web.

→ MnDOT will be working to develop the contract(s) to work on the top two technical tech transfer topics for the team. Working to have consultant on board and working by January.

Long Term Research (Table 1)

Study	Construction Specs	Research Contract	Research Plan/tasks Team to work on	Sensors Comments
Extending Existing Pavement Life with low cost treatments Cell 1, 15 (HMA) and 8 (PCC)	Thinlay Specs (Jerry) Micro (Jerry) Milling (Jerry) Diamond Grinding (John and Bernard)	See one pager Construction Doc MnDOT Monitoring Ties to Other State Projects – deeper rut fills (Dan)? Tie to NCAT effort	Online need meeting (jerry lead) Tie to NCAT/MnROAD US-169/CSAH-8 Cells	None
Partial Depth Repairs	Not needed Sketch / Process to develop a doc that manufactures review and signup	See one pager Construction Doc MnDOT Monitoring Lab Testing	Online need meeting (jerry lead)	None

Tech Transfer (Table 2)

Study	Write Ups Web	Type of Writer Needed	Team to Update Web Posting	Other Thoughts
Surface Characteristics of Diamond Ground PCC Surfaces	John Roberts started	Wait to see final write up	Online meeting (jerry lead)	
Pavement preservation approaches for lightly surfaced roadways	Not much yet	Wait to see final write up	Online meeting (jerry lead)	

Meeting Schedule notes

- General meetings once a month
- Specific meeting will be held as needed.