

RIC MINUTES
RIC Fall Quarterly Meeting
September 14, 2015
City of Golden Valley, Council Conference Room
7800 Golden Valley Road
Golden Valley, MN 55427

Attendees:

Jeff Hulsether (Chair), City of Brainerd
Klayton Eckles, City of Woodbury
Mike Flaagan, Pennington County
Tim Stahl, Jackson County
Guy Kohlhofer, Dodge County
Ted Schoenecker, MnDOT State Aid
Merle Earley, MnDOT District 4
Dave Van Deusen, MnDOT Materials Office
Hafiz Munir, MnDOT Research Services
Jim Grothaus, LTAP / UofM CTS

Staff:

Bruce Holdhusen, MnDOT Research
Becky Lein, MnDOT Research
Joel Uring, MnDOT State Aid

Absent:

Dave Robley, Douglas County

1. Call to Order (Jeff Hulsether - Chair)

The committee meeting was called to order at 10:00 AM. Jeff welcomed everyone, thanked them for attending. Attendees introduced themselves. There were no additions to the agenda.

A motion to approve the agenda was made by Klayton Eckles and seconded by Mike Flaagan. Motion approved.

Review of June 17-18, 2015 RIC Meeting Minutes

A motion to approve the June 2015 RIC meeting minutes was made by Mike Flaagan and seconded by Klayton Eckles. Motion approved.

Review of Action Items from June RIC Meeting

Action items 1 & 2: Joel Uring and Bruce Holdhusen developed a scope for two TRSs, and a contract is being negotiated with Matt Oman of Braun Intertec to write the TRSs on the topics 'Options and Guidance When Using Base Stabilization Additive' (NS-400) and 'Best Practices for Managing Local Concrete Road Projects'.

Action item 3: Klayton Eckles attended the CEAM conference planning committee meeting, and reported the meeting agenda is full (in regard to adding a presentation on 'Best Practices for Managing Local Concrete Road Projects').

Action item 4: A list of potential projects or tasks for the scope of work in the next RIC support contract RFP has been developed, and a meeting was held with State Aid to trim the list. Further discussions of the list are on the agenda today, as well as identifying next steps for moving forward.

Action item 5: Mike Flaagan had a discussion with Lou Tasa about next steps for a research need statement on the topic of TZD benefits. The discussions are ongoing and will likely line up with the research cycle for next year.

Action item 6: Jim Grothaus will follow up with CTS staff to identify local agencies that have not registered anyone for the online sign maintenance class.

2. Budget and Meetings

Dates for 2016 RIC quarterly meetings

- March 14, 2016 (Monday) at City of Woodbury
- June, 2016 – wait for LRRB to set the dates for the joint LRRB/RIC meeting
- September 12, 2016 (Monday) at St. Cloud – MnDOT Training Center
- November, 2016 - TBD

Conferences

- Becky Lein included a list of 2015 and 2016 conferences in meeting materials.
- Northwest Pavement Management Conference; October 20-23, 2015 in Vancouver, WA
 - Joel Ullring and Jeff Hulsether are planning to go to the NWPMA conference; Guy Kohlhofer is interested.
- TRB Annual Meeting; January 10-14, 2016 in Washington, DC
 - Klayton Eckles, Guy Kohlhofer and Mike Flaagan expressed interest. Jeff Hulsether expressed interest if there is an unused spot available.

RIC Budget

There is \$83,186 remaining in the RIC budget for FY 2016, ending June 30, 2016.

3. Project Presentations

INV949: Tack Coat Testing; Measuring Field Bond Strength

Ed Johnson from the MnDOT Office of Materials and Road Research provided a short presentation on the results of a project he conducted for the LRRB. He recommended 100 psi minimum tack strength as measured by the Florida shear test using a Marshall load frame.

Proposal: NPDES Stormwater Post-construction Design Guidebook

Randy Neprash from Stantec Consulting presented a proposal for LRRB or RIC funding of a NPDES Stormwater Post-construction Design Guidebook. He requested \$90,544 for a 12-month project. The guide book will address linear projects constructed by city and county agencies. The project will distill existing guidance documents, regulatory requirements and expert experience to provide detailed information about navigating the NPDES approval process and designing stormwater management BMPs that will be cost effective to construct and maintain. The guide will not cover construction site NPDES stormwater compliance. The final deliverable from the project will be a web-based wiki document that will be easy to updated and will allow user-customized output to be printed or saved in PDF format.

The RIC members were very supportive of the proposed project. The RIC did not currently have budget to fund the project, and Tim Stahl was asked to voice RIC support for the proposal at the LRRB meeting on September 17, where Mr. Neprash was scheduled to present it again. [Staff note: Mr. Neprash was unable to give the presentation on September 17, and was asked by LRRB to present it at their meeting on October 26.]

INV939: Lightly Surfaced Roads, Stabilized Aggregate Applications and Design

Professor Chuck Jahren from Iowa State University gave a presentation on the uses of Otta seal technology, single and double chip seals, and how to strengthen subgrade/subbase. He also presented new information on a comparison of design methods that could be used for SFDR with lightly-surfaced road treatments.

Preservation Chip Seal Study

Joel Ulring gave an update on a project sponsored by MnDOT State Aid in cooperation with MnRoad that is intended to answer the question of whether or not to chip seal. The study will be conducted over a 10-year period by chip sealing one section per year for 5 years on two rural CSAHs and one MSAS. The evaluation will be based on IRI, surface condition, fracture energy and tracking maintenance.

Pavement Preservation Resource Center

Joel Ulring updated the committee on MnDOT State Aid efforts to provide pavement preservation technical support for city and county engineers. MnDOT hired Joel as the State Aid pavement engineer, and the SALT web site has had a section added to it for pavement preservation that will be updated.

4. RIC Support Contract Updates – Current Tasks

Traffic Sign Retro-Reflectivity Training Workshops (new project)

Jim Grothaus said the contract for CTS to conduct the workshops was executed on September 1, 2015 and he is in the process of getting the project started.

SRF Contract

Rena Kuehl and Mike Marti provided an update on the following tasks in SRF's contract for RIC and Outreach support:

- **Task 4: TZD Toolkit for Local Agencies**
The Guide Book is finished and Rena Kuehl handed out copies of it at the meeting. A powerpoint slide show template is available that can be modified as needed for presentations and it will be posted on the LRRB web site. The committee approved the task as complete.
- **Task 5.2: Sign Maintenance and Management Online Course**
Only 28 agencies have signed onto the training site. Mindy Carlson will have a booth and computer demonstration of the online course at the Maintenance Expo in St. Cloud October 7 & 8. There is an opportunity for marketing it also at the APWA conference.
- **Task 7: Impacts of Heavy Loads / Implements of Husbandry**
A TAP Meeting was held in early September. Mike Marti asked the RIC for a reference where he can find definitive data for a graphic showing how many passenger cars equals one heavy truck or implement in terms of pavement consumption.
- **Task 8: Best Practices for RAP Asphalt Mixtures on Low-volume Roads**
Next TAP meeting will be in October.
- **Task 9: Temporary Traffic Control for Low Volume Roads**
The MnMUTCD Field Manual does not cover many of the low volume or residential settings needed by local agencies, and it is too complicated for many field personnel to use. The Field Manual will be updated in January 2017 and this RIC task will attempt to provide draft layouts for the MnMUTCD committee to consider for adoption in the Field Manual.

- Task 10: ITS for Local Agencies
The scope of the task has been narrowed to ITS applications for two-way stop controlled intersections. It will be a guide book for where and when to use the devices, and experience with RICWS and LED stop signs.
- Task 13: Guidelines for Flashing Yellow Arrows Implementation
The research tool is only suitable for a small group of experts. The implementation deliverable will be an instructional video will be recorded at a training session at the NCITE traffic signal committee meeting on November 4.
- Task 15: Outreach Activities
SRF wrote an article for APWA Reporter about four traffic sign-related research and implementation projects conducted the LRRB and RIC. There will be a 40-minute session at the CEAM winter meeting; Jeff Hulsether volunteered to coordinate the presentation with SRF.

5. RIC Member and Chair Appointments

Jeff Hulsether is completing his 6-year term as an RIC member and completing his 3-year term as RIC Chair and LTAP Steering Committee liaison, and a new RIC Chair will need to be identified. Dave Robley is completing his term on the RIC and Mitch will name a county engineer as his replacement. Merle Earley is planning to retire and Mitch will name a DSAE as his replacement on the RIC. Tim Stahl's 6-year term on the RIC will be completed in 2016.

A motion by Tim Stahl, seconded by Guy Kohlnhofer, to elect Klayton Eckles as the next RIC Chair, with Mike Flaagan as vice-Chair. A friendly amendment was offered to nominate Mike Flaagan as the next RIC Chair because Klayton Eckles is currently serving as the President of CEAM. The motion was approved by voice vote to name Mike Flaagan as next RIC Chair, succeeding Jeff Hulsether.

A motion by Tim Stahl, seconded by Klayton Eckles, to keep the LTAP Steering Committee liaison position with the incoming RIC Chair, Mike Flaagan. The motion was approved.

6. LRRB Updates

Hafiz Munir provided a summary of the LRRB research RFP process and timeline that was included in the RIC meeting books. A total of 30 proposals were received in response to 22 research need statements and a select number will be heard at the LRRB meeting in December for funding consideration after prioritization by LRRB and RIC voting.

7. Future RIC Project Ideas and RIC Support Contract RFP for next 3 years

Hafiz Munir reminded the group about confidentiality for the RFP process.

The committee had a preliminary discussion about the list of potential future RIC tasks/projects and decided to schedule a special session of the entire RIC in October, rather than having a smaller TAP move forward with finalizing the project list for the RIC support contract RFP.

Action item: Bruce Holdhusen will send out a spreadsheet to RIC members for voting on the list of ideas, and send out an online poll to determine the best date for a special

session of the RIC in October. [Staff note: The RIC special session was scheduled for October 29 at the MnDOT conference center in St. Cloud.]

8. Adjournment

The Committee was adjourned by Chair Jeff Hulsether at 3:50 PM.

Special Session RIC meeting: 10AM-3PM October 29 at MnDOT St. Cloud conference center

Next RIC Quarterly Meeting: 10AM November 23 at City of Woodbury