

**Local Road Research Board
Program Review Meeting**

MINUTES

November 14, 2012
10:30 AM - 5:00 PM
MnDOT - MnROAD
Monticello, Minnesota

Attendees(Board Members):

Rick West, Chair, Otter Tail County
Bruce Hasbargen, Beltrami County
Lyndon Robjent, Carver County
Tim Stahl, Jackson County
Steven Koehler, City of New Ulm
John Powell, City of Savage
Laurie McGinnis, U of MN, CTS
Thomas Ravn, MnDOT, OCIC
Julie Skallman, MnDOT, State Aid
Linda Taylor, MnDOT, Research

Attendees(Staff):

Linda Preisen, U of MN, CTS
Maureen Jensen, MnDOT, Lab
Farideh Amiri, MnDOT, Research
Ann McLellan, MnDOT, Research
Nicole Peterson, MnDOT, Research

I. Call To Order, Welcome and Chairman's Report

Mr. Chair welcomed everyone and thanked Maureen Jensen and MnROAD for the tour and use of the facility. Attendees introduced themselves.

Mr. Chair also thanked Linda Preisen for her service to LRRB. *"We appreciate your work and positive attitude"* he said. Laurie McGinnis also thanked Linda Preisen. Linda thanked the Board for giving her the opportunities.

Agenda Review & Approval:

Motion: A motion to approve the agenda was made by John Powell and seconded by Steve Koehler. Motion approved.

Review & Approval of September 2012 Minutes:

Motion: A motion to approve the September 2012 minutes was made by Julie Skallman and seconded by John Powell. Motion Approved.

Membership Roster:

Chair appointments were added to the roster. Chair is up to 3 years; Rick West is at the end of his 2nd year and will be Chair for one more year. Rick West is willing to accept another term. Tom Ravn's term ends next year.

Pending Action Items from September Meeting:

Linda lists the following action items as active:

- Add Knowledge Building to the LRRB March 2013 meeting for one hour.
- John Powell will facilitate a TAP on Pavement Preservation and Rehabilitation and will present the scope of the work at the December 2012 LRRB meeting.

- Focus Group - No location yet and no date. One option is the Urban Research and Outreach-Engagement (UROC) Center, North Minneapolis, with free parking.

ACTION ITEM #1: John Powell will contact Linda Taylor with a time and location for the Focus Group.

Lyndon Robjent is a Focus Group TAP member.

II. Administration

Budget Spreadsheet

- INV 676 – MnROAD - \$285,000 transferred from FY13 to FY14
- INV 916 – Tech Transfer Contract – Amendment for \$28,088 added
- INV 941 & 942 – Add in since September meeting
- INV 939 & 940 – The contract is being processed
- INV 940 – The fiscal year encumbrances changed since the project was approved so the new encumbrances will be as follows:
 - FY13 - \$16,780
 - FY14 - \$170,068
 - FY15 - \$22,734
- INV 999 - \$11,873 transferred to general fund
- FY14 apportionment was reduced from \$3.2 M to \$3.1 M because the apportionment will remain flat due to the disaster funds for Duluth.
- There is \$833,586 available for projects presented at the December meeting for FY 14.

FY 13 INV 999

- The INV 999 has \$114,972 available.

FY 2012 Conferences

No changes were made.

ACTION ITEM #2: LRRB members to send their trip reports to Farideh Amiri before December meeting.

FY 2013 and 14 Conferences

The conferences were approved through May at the September meeting.

Motion: *A motion to approve the conferences from June 2013 to December 2013 was made by Julie Skallman and seconded by John Powell. Motion Approved. But open to send TRB notices around so may add more conferences during the year.*

Julie: “We need to see more connections between the USA and the rest of the world.”

Action Item #3: Ann McLellan will change the National Rural ITS conference in August 2013 to be open to all LRRB and RIC members.

ACTION ITEM #4: Ann McLellan to add Asphalt conference is and Concrete Conference in St. Paul to the list of conferences.

2012 LRRB & RIC Meeting Dates & Locations

- LRRB is scheduled for December 5-6 at the University of Minnesota, Coffman Union, Campus Club.
- RIC is scheduled for December 4 at MnDOT's District 3 headquarters.

2013/14 LRRB & RIC Meeting Dates & Locations

- December 4-5, 2013 – Campus Club
- July 2014 – Bemidji
- Dec 2014 – Tim Stahl has issues with the 1st and 2nd weeks in December.
- RIC – December 2013, 1st Monday and Tuesday in December

LRRB Funded Amendment Request Approvals

Member votes on the amendment have been added to the document.

III. Funding Request

Pedestrian Safety at Intersections vs. Mid-block

The following were presented and suggested by Julie Skallman:

- No TRS is needed
- Develop a class on how to use the HCM materials for pedestrian safety and short on-line refresher course
- We can do training/class through LTAP or consultant
- Provide handout to go with the training for references
- RIC funding could be available
- TAP should include DOT Traffic Engineers
- Mark Vizecky will be the TL
- The estimated cost will be \$70,000 and shared 50/50 by LRRB and State Aid

ACTION ITEM #5: Research Services will look into the cost of a training class and will provide the information to Julie Skallman. She will present and request funding at the December LRRB meeting.

Sign Life Expectancy

Maureen Jenson discussed the following;

1. A sign life expectancy research project was presented by TTI, however, the Board rejected the project primarily because of costs.
2. The Technical Advisory Panel met and discussed the project:
 - MnDOT has a blanket sign life replacement plan at the end of warranty period, but they have strong evidence to support that retroreflectivity is not deteriorating so they could get more life out of the existing signs.
 - Color fading actually has been identified as a problem for both MnDOT and the local system.
 - MnDOT OTST has identified this as priority to be addressed.
3. The project which is being proposed by the Maplewood Lab will include:

- A Test Deck at MnROAD of samples from older salvaged signs will be developed and a long term monitoring program developed.
- Data collection from volunteer cities and counties from across the state will be used
- Retroreflectometers will be shared amongst the TAP members for the data collection. The project identified one retroreflectometer to be purchased.
- An Expert Panel is to be developed to determine Minnesota's Sign Life Expectancy to address the revised FHWA rule which extended the date of management method implementation to June 2014 for regulatory and warning signs.
- The project needs to get underway as soon as practicable to hit this June 2014 deadline for Minnesota Cities and Counties, and CH2MHill will be hired to develop this aspect of the project.

Howard Preston is a subcontractor.

Motion: A motion to approve funding \$75,655 for "Sign Life Expectancy" proposal was made by John Powel and seconded by Bruce Hasbargen. Motion Approved.

Discussion: We should test and evaluate different colors and different angles.

Abstained from voting: Laurie McGinnis.

Real-Time Quality Control Monitoring and Characterization of Aggregate Materials in Highway Construction Using Laser Induced Breakdown Spectroscopy

- This is a Pooled fund solicitation lead by Kansas DOT
- Proof of concept was done by labs from Kansas, New York and Texas.
- Three levels of funding are available:
 1. Monitoring fund - \$30,000/per year, three years
 2. Aggregate - \$50,000/year, three years
 3. State 1 & Stage 2 - \$75,000/year, three years

Maureen: It doesn't fit into our process.

Tom: This is not going to help us with less testing; this is what we are doing.

ACTION ITEM #6: Linda will monitor TPF website and update the Board on the "Real-Time Quality Control Monitoring and Characterization of Aggregate Materials in Highway Construction Using Laser Induced Breakdown Spectroscopy" pooled fund solicitation at the December meeting. Maureen will ask her staff for review and comment and will present the results at the December meeting. The solicitation ends the end of December.

IV. FY 2014 Proposal Rating & Selection

Nicole Peterson went over the LRRB member votes for FY14 proposals and asked the Board which proposals they want to hear a presentation about.

Motion: A motion to hear “Tack Coat Testing-Measure Field Bond Strength” proposal from MnDOT Lab only was made by Tim Stahl and seconded by John Powell. Motion Approved.

See attached spreadsheet for the list of projects selected by the Board for presentation.

Motion: A motion to approve attached spreadsheet list of proposals for presentation at the December meeting was made by Tim Stahl and seconded by Steve Koehler. Motion Approved.

Rick West brought forward the ITS proposal “Development of a Digital Highway Framework to Facilitate Crash Avoidance Serving County Roads” from Max Donath for \$86,469. He asked Board to have this proposal at December meeting. The funding will be shared 50/50 by the Office of Traffic Safety and Technology (OTSO).

Motion: A motion to add “Development of a Digital Highway Framework to Facilitate Crash Avoidance Serving County Roads” for presentation at the December meeting was made by Tim Stahl and seconded by Steve Koehler. Motion Approved.

Round Robin

- CTS will host a social at TRB on Sunday, January 13th from 5:30 to 7:00.
- Julie Skallman will send information about MN night.

Meeting Adjourned

Motion: A motion to adjourn the November 2012 LRRB meeting was made by Tim Stahl and seconded by Steve Koehler. Motion Approved.

Next Meeting

December 5-6, 2012 at the University of Minnesota, Coffman Union, Campus Club

Action Items
November 14, 2012
LRRB Meeting

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