

Local Road Research Board
2011 Winter Meeting Minutes
2013 Project Presentation/Selection Meeting
University of Minnesota - Coffman Union Room 303
December 14 (8:00-4:00), 2011
December 15 (8:00-12:00), 2011

LRRB Members Present:

Rick West, Otter Tail County
Julie Skallman, MnDOT - State Aid
Bruce Hasbargen, Beltrami County
Sue Miller, Freeborn County
Deb Bloom, City of Roseville
Steve Koehler, City of New Ulm

Laurie McGinnis, U of M – CTS
Tom Ravn, MnDOT- Construction
Linda Taylor, MnDOT- Research Services
Lyndon Robjent, Carver County (for Mitch
Anderson, Stearns County)

Others Present:

Farideh Amiri, MnDOT-Research Services
Maureen Jensen, MnDOT-Office of Materials
Ann McLellan, MnDOT- Research Services
Sandy McCully, MnDOT- Research Services

Nicole Peterson, MnDOT- Research Services
Linda Preisen, U of M - CTS

2013 LRRB Member Present:

John Powell, City of Savage

LRRB Member Absent:

Mitch Anderson, Stearns County

Call to Order

Chairman's Report:

Chair Rick West welcomed members and explained the focus of the December 14th and 15th, 2011 meeting which was to listen to the proposal presenters, to discuss and to select proposals for the FY 2013 research cycle.

Introductions were made by each participant and Mr. Chair welcomed new members Mr. John Powell from the City of Savage and Mr. Lyndon Robjent from Carver County.

Agenda Review:

Add "Field Imaging Based Aggregate Size and Shape Characterization" and "FY 2011 Gravel Road – on line course amendment" to the funding discussion agenda.

Motion to approve the December meeting agenda was made by Steve Koehler and seconded by Tom Ravn, Motion Approved.

November 2011 Meeting Minutes Review and Approval:

Linda Taylor reviewed the pending action items from the September meeting and all action items from the November meeting.

Pending Action Items:

- Sue Miller will give an update on “System Preservation Guide” at June 2012 LRRB meeting and she will provide a milestone update at future LRRB meetings as requested by the Board.
- Julie Skallman will distribute the Social Media TRS to City and County Engineers.
- The “Field Imaging Based Aggregate Size and Shape Characterization” proposal will be reviewed at the March meeting. Rick West will follow up and present at the March meeting.
- RS will follow up on the following two need statements: 1- A System for Sampling and Characterizing Repairable Road Dust and 2- Construction Inspection for Better Long Term.
- Deb Bloom will contact the City of St. Paul about their ITS/Snowplow proposal and will present the information at the summer meeting.

Motion to approve the November 21st meeting minutes was made by Steve Koehler, Seconded by Deb Bloom, Motion Approved.

Membership Update:

Mr. Chair, Rick West acknowledged Sue Miller and Deb Bloom work on the processing committee. He also thanked them for their years of service, their dedication to the research program and for utilizing their personal skills to improve research and implementation programs.

Deb Bloom said that this is the most rewarding award she had ever received. She said that the city engineers don't have a lot of opportunities to interact with county engineers and to get to know them, and LRRB gave her this chance. She will continue her responsibilities as TAP member or TAP chair.

Sue Miller said she believes in research and what research can accomplish. She also mentioned the great opportunity provided by the Board to work with city engineers and other county engineers.

The Board members thanked both Sue Miller and Deb Bloom.

Bruce Hasbargen accepted a second four-year term.

Mitch Anderson is going to retire soon.

Action Item #1: Julie Skallman and Rick West will coordinate getting Mitch Anderson his LRRB plaque at upcoming events.

Laurie McGinnis said that U of M, CTS will host a hospitality social time at TRB from 5:30 to 7:00 PM on Sunday, January 22nd at Marriott, Wardman Lobby.

Budget Report

Ann reviewed the 2011 LRRB budget report.

- INV 906 – Gravel Road Maintenance Online Learning – There is an amendment request for \$5,000.

Motion: To approve \$5,000 for the “Gravel Road Maintenance online Learning” for Task 4 was made by Sue Miller and seconded by Deb Bloom, Motion Approved.

Discussion: Linda Taylor asked the Board if small dollar amendments need to be presented to the Board or whether RS could approve them. Julie Skallman said if it is in the scope of the work then RS could review and approve. Rick West said if it is outside the scope of the work, the request should again come before the Board for its review.

Action Item #2: Linda Taylor and Ann McLellan will bring more information about the number and the dollar size of amendments that have been approved within the last three years to the March meeting and the Board will decide how to handle future amendment requests.

Discussion: Bruce Hasbargen said if no decision is made at the March meeting, the Chair will make the decision.

- INV 921 – Frost Video – Ben Worel is working on this project with SRF and MnDOT video services. In order to do this video, MnDOT needs to purchase equipment that will cost \$15,000, because the equipment that MnDOT currently owns is not advanced enough.

Motion: Board approved \$15,000 in LRRB funding to be used for MnDOT to purchase the equipment.

- INV 922 – System Preservation Guide - The budget will be updated to reflect the updated budget for this project. (Reduce from \$700,000 to \$698,866.55.)

Action Item #3: Julie Skallman will coordinate with Rick Kjonaas to determine the state aid representative on the system preservation guide project.

- INV 924 – The title was changed from “Pothole Video” to “YouTube Video” - \$50,000 is allocated for a series of YouTube videos.
- INV 928 – UTC Match is in the budget temporarily, until we determine the final decision on the UTCs funding approval in January.

Discussion: Deb Bloom will stay on the ITS Board until we know what the new Board will look like.

- There is currently \$2.9 million is available.
 - Subtract out Annual Program Costs -\$1.7M
 - \$1.2 million is remaining for proposal selection at the December meeting.

- Requesters for the on-going program can request multiple year allocations.

Action Item #4: Linda Taylor will send out note to presenters notifying on-going program requesters the ability to request multiple years funding at the March meeting.

Conferences:

- Only TRB attendance is approved at the September meeting.
- Rich Sanders will fill Mitch Anderson's position at the TRB Annual conference.
- Pavement Conference:

Motion: To approve two LRRB or RIC members or the Lab staff to attend the Pavement Preservation Conference was made by Julie Skallman and seconded by Deb Miller, Motion Approved. The conference is on hold until the March meeting because Julie needs to check about international travel.

- Add Dust Control 2012 conference time and location to the conference list.
- Add ITS World Congress and Julie will let the Board know prior to the March meeting if members can attend.

Action Item #5: Linda will check with Maureen on Lab attendees for AAPT conference.

- Julie Skallman and Rick West expressed interest in attending NLTAP.

Action Item #6: RS will send out the expense report procedure to the new members.

Motion: To approve 2012 Conference list was made by Sue Miller, and seconded by Tom Ravn with changes discussed, Motion Approved.

LRRB and RIC Dates and Locations

Action Item #7: Farideh Amiri will ask RIC to schedule their meetings in advance so RS could add them to the roster.

Proposal Presentations and Selection

See attached spreadsheet with action items, motion and discussion for each proposal.

Round Robin

- Rick West proposed to have focus group to develop more research need statements.
Action Item #8: RS will look into options and locations and will present it at the March meeting.
- Tom Ravn provided information about legal claims against MnDOT due to government shutdown.
- Steve Koehler provided information about fighting flood at his county. He also provided information about his airport project.

- Define working relationship between LRRB and CTS
Action Item #9: Julie Skallman and Laurie McGinnis will discuss how CTS and LRRB can work together at the March meeting.
- March Meeting
Action Item #10: Add Strategic plan and Operations Procedure to the March meeting.
Action Item #11: Add need statement noise walls from Ryan Peterson to the March meeting.

Meeting Adjourn

Motion: to adjourn the meeting at 4:30 PM for December 14th was made by Steve Koehler, Seconded by Bruce Hasbargen, Motion Approved.

Motion: to adjourn the meeting at 12:00 noon on the December 15th was made by Sue Miller, Seconded by Steve Koehler, Motion Approved.

Next Meeting

Next Meeting is scheduled for March 22, 2012 at the Carver County Public Works Headquarters, Cologne, MN, from 8:00 AM to 4:30 PM.

List of Action Items from December 2011 Meeting:

Action Item #1: Julie Skallman and Rick West will coordinate getting Mitch Anderson his LRRB plaque at upcoming events.

Action Item #2: Linda Taylor and Ann McLellan will bring more information about the number and the dollar size of amendments that have been approved within the last three years to the March meeting and the Board will decide how to handle future amendment requests.

Action Item #3: Julie Skallman will coordinate with Rick Kjonaas to determine the state aid representative on the system preservation guide project.

Action Item #4: Linda Taylor will send out note to presenters notifying on-going program requesters the ability to request multiple year funding at the March meeting.

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LRRB FY13 Research Proposals

Document Title	Proposal Title	RNS	Principal Investigator (PI)	University	Requested Budget	Duration Months	FY 13	FY 14	FY 15	Award	Action Item	Motion	Discussion
KB#004 Quick Local Agency Public Engagement	Building Local Agency Capacity for Public Engagement in Local Road Systems Planning Decision-Making	NS000	Quick, Kathryn	UofMN	\$140,062	18	\$78,794	\$61,268		Funded	Laurie McGinnis will ask Kathryn Quick to add local expertise (MN Cities and Counties information) to her proposal	To approve funding was made by Sue Miller and seconded by Deb Bloom, Motion Approved	The Board is open to an amendment for performance following the Systems Preservation Guide project.
KB#005-010-011 Gulliver Effective Impervious Area	Determination of Effective Impervious Area in Urban Watersheds	NS000	Gulliver, John	UofMN	\$150,000	34	\$32,000	\$90,000	\$28,000	Funded		To approve funding was made by Deb Bloom and seconded by Steve Koehler, Motion Approved.	
KB#007 Rajamani Friction measurement control system	Field Evaluation of Friction Measurement and Applicator Control Systems for Winter Road Maintenance on Low Volume Roads	NS000	Rajamani, Rajesh	UofMN	\$40,000	18		\$40,000		Funded			Polk county support this proposal
NS#091 Edwards Lighting Levels for Isolated Intersections	Lighting levels for Isolated Intersections Leading to Safety Improvements	NS091	Edwards, Christopher	UofMN	\$94,170	16	\$81,964	\$12,206		Funded	RS will follow up on the equipment if the researcher needs to purchase or will borrow it from the MnDOT Traffic Office	To approve funding at 50% was made by Bruce Hasbargen and seconded by Steve Koehler, Motion Approved	
NS#208 Akkari Colored Concrete	Investigation and Assessment of Colored Concrete Pavement	NS208	Akkari, Alexandra Burnham, Tom	Office of Materials	\$65,000	36	\$25,000	\$33,000	\$7,000	Funded		To approve funding was made by Deb Bloom and seconded by Laurie McGinnis, Motion Approved	
NS#211 Brashaw Timber Bridge Inspection NBIS	Development and Integration of Advanced Timber Bridge Inspection Techniques for NBIS	NS211	Brashaw, Brian	UofMN	\$199,786	24	\$89,903	\$109,883		Funded		To approve funding was made by Bruce Hasbargen and seconded by Sue Miller, Motion Approved.	
NS#219 Taylor Embankment Protection Overlapping	Design Considerations for Embankment Protection during Road Overlapping Events	NS219	Taylor, Craig	UofMN	\$149,507	26	\$98,393	\$51,114	\$9,287	Funded	Add slope consideration and more county locations.	To approve funding at 50% was made by Steve Koehler and seconded by Sue Miller, Motion Approved.	
NS#208 Wang Investigation and Assessment of Colored Concrete Pavement	Investigation and Assessment of Colored Concrete Pavement	NS208	Wang, Kejin	Iowa State University	\$118,500	18	\$108,000	\$10,500		Not Funded		Not Funded	
NS#210 Phares Development of Cost-Effective Timber Bridge Repair	Development of Cost-Effective Timber Bridge Repair Techniques for Minnesota	NS210	Phares, Brent	Iowa State University	\$299,582	24	\$130,345	\$169,237		Not Funded	RS will check into any partnership with Iowa on this project and will present it at the March meeting		A detailed manual is essential since 20% of bridges in Minnesota are timber bridges, a pooled fund and/or partnership with Iowa should be discussed, both inspection and repairs are issues.
NS#223 Hawkins Traffic Sign Life Expectancy	Traffic Sign Life Expectancy	NS223	Hawkins, Gene	TTI	\$167,800	16	\$60,534	\$107,266		Not Funded	RS lead the TAP and rescope this proposal will present it at the March meeting. The TAP should include Tim Plath, Kristi Sebastian, Ken Schaefer, Jim McGraw, Howard Preston, Mark Vizecky and TTI.	Laurie McGinnis abstained from voting.	The Board discussed if the project can be set up at MnROAD and if the products meet the market requirements.
NS#224 Sritharan State Aid Geotechnical Instrumentation (LRF Code Calibrations)	State Aid Geotechnical Instrumentation (LRF Code Calibrations)	NS224	Sritharan, Sri	Iowa State University	\$119,852	18	\$85,739	\$34,113		Not Funded		Not Funded	
NS#228 Filipovitch Excellence in Customer Involvement and Engagement	Excellence in Customer Involvement and Engagement	NS228	Filipovitch, Anthony	MnSCU-Mankato	\$85,791	13	\$84,791	\$1,000		Not Funded		Not Funded	
NS#235 Wilde Lightly Surfaced Roads	Lightly Surfaced Roads; Stabilized Aggregate Applications	NS235	Jim Wilde	MnSCU-Mankato	\$94,306	23	\$41,957	\$52,349		Not Funded	Research Services to develop a TRS and present it at the March meeting		
NS#235 Gransberg Lightly Surfaced Roads; Stabilized Aggregate Applications	Lightly Surfaced Roads; Stabilized Aggregate Applications	NS235	Gransberg, Douglas	Iowa State University	\$87,764	24	\$44,498	\$43,266		Not Funded	Research Services to develop a TRS and present it at the March meeting		
NS#230 McCullough Underinvestment in Minnesota Highways	Economic Cost of Underinvestment in Minnesota Highways	NS230	McCullough, Gerard	UofMN	\$75,000	18	\$64,000	\$11,000		Potentially Funded	The Board asked TRIG to cost share. If TRIG doesn't fund this project for the remaining 50%, then it should be presented again at the March meeting	To approve funding up to \$50,000 or 50% funding was made by Sue Miller and seconded by Bruce Hasbargen, Motion Approved	