



# The Local Road Research Board Needs You!

## 2023 Fall – RIC TAP Sign-Up



[www.surveymonkey.com/r/YYMGRBT](https://www.surveymonkey.com/r/YYMGRBT)

If you would like to serve on a technical advisory panel for any of the following LRRB projects, please scan the QR code or visit the [website](#). *Questions? Contact [Sue Miller](#) and [Mike Marti](#)*

### Bridge and Structures

<b>Precast vs. Cast-in-Place Culverts</b>	Conduct a high-level review/evaluation of pre-cast vs cast-in place box culverts (cost vs. performance, deliverability, and time of construction). Survey neighboring states to gather information on their use of cast-in-place. Monitor and summarize the ongoing pilot projects. Identify a list of barriers for using cast-in-place and provide steps to address the barriers. Work with MnDOT State Aid to develop an approved design standard plan and detail for cast-in-place box culverts.
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### Maintenance Operations

<b>Best Practices: Texas Underseal</b>	Synthesize information on Texas underseal: pros/cons, who has used, performance, cost, when to use, etc.
<b>CDL Certification</b>	Synthesize the skills and knowledge areas necessary to become CDL certified. Summarize the requirements to become a Certified Training Provider as recognized by the Federal Motor Carrier Safety Administration. Identify resources that provide contracted training (i.e., MN technical colleges and labor unions (e.g. Local 49ers).
<b>Deicing Products User Guide</b>	Develop a matrix of deicing products and how do their effectiveness. Include data on proprietary materials (Skyline Solutions, Ice Be'Gone, Ice magic, ClearLane, etc.). Best practices for mitigating re-freezing. Provide an understanding of the most efficient and effective practices to collaborate with neighboring agencies (including MnDOT) on procuring. Investigate if/how local agencies can partner to produce their own materials to maximize cost efficiencies.
<b>Best Practices on Roadside Vegetation Management</b>	The focus of this study would be to: Survey agencies to obtain an understanding of current peer practices for managing and maintaining roadside vegetation, including mapping/GIS (some newer equipment has this as built-in feature). Review and synthesize past research projects. Explore changes to MnDOT seed specification to include a friendly pollinator mix. Provide a quick reference guide on various practices and market products, including ideal times of year to employ mitigation practices. Include best practices for mowing, including both techniques and timing.

### Policy and Planning

<b>Right-Of-Way Management (Utilities) including abandoned utilities</b>	Develop a quick reference guide that summarizes different ROW management practices for both rural and municipal settings, with an understanding of why particular practices are employed within different contexts from installation requirements to abandonment options. Include a guide to regulatory tools available to agencies to allow them address concerns when utilities are abandoned within the ROW.
<b>FHWA Pavement Marking Retroreflectivity Mandate</b>	The purpose of this study is to review and summarize the requirements, dates and procedures and communicate them, both in print and via a series of workshops, to local agencies throughout Minnesota.

### Traffic and Safety

<b>Pedestrian Crossings</b>	What information/technology is available to address concerns/issues with pedestrian safety crossing high speed, multi-lane roadways where there is no dedicated crosswalk?
<b>Crash Benefit of Bike/Ped Facilities</b>	The focus of this study will be to: Develop a final list of facilities/treatments to investigate. Obtain locations of existing facilities in Minnesota and nationwide (both state and local roads). Obtain crash data for each location (local and nationwide (i.e., IHS)). Conduct safety analysis and develop crash reduction factors for each facility type.