

UPPER GREAT PLAINS TRANSPORTATION INSTITUTE NORTH DAKOTA LOCAL TECHNICAL ASSISTANCE PROGRAM

News Bulletin

No. 52- September 2015





2015-2017 Road Need Study Update

County Leaders

Quick Links

NDLTAP website

This notice is being sent to you as the lead Road Needs Study contact in your county. Generally, the county engineer, road superintendent or auditor has been selected as the lead contact in each county. Please pass this on to others in your county as you see fit.

TLN Website

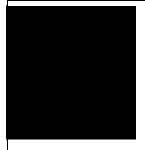
Non-destructive data collection

UGPTI website

This process begins in various counties next week.

Andrew Wrucke, 701-231-6448 is leading the charge for coordinating the testing schedule. Please contact Andrew for information about when, where, what...data is planned for collection.





Survey How-To Webinar

A webinar later this month will review the Needs Study Survey that Alan Dybing sent to you. The webinar will provide information on the data fields on the survey and will walk you through the process of completing the survey. An invitation will be sent to you next week.

Deadline fast approaching

On August 19, UGPTI Associate Research Fellow Alan Dybing mailed you a copy of 2015-2015 Needs Study Survey for your county. A photo of part of the survey is shown below. **Please return your data no later than Oc**Andrew.wrucke@ndsu.edutober 15.

Asking for a little more information.

If you filled out previous Needs Study surveys, you will notice that some data fields have been enhanced. Alan put together a relatively short and simple form that will gather some of the information needed for the road network model that generates the

20-year projections that will be used for the estimates in the next legislative Needs Study report.

As with prior studies, the projections will likely be used to help Legislators estimate funding distribution levels.

Please call Alan Dybing at 701-231-5988 or Dale Heglund at 701-318-6893 if you have any questions on how to complete the survey.

County Road Needs Study County: Preparer: Date Prepared: Aggregate Description To determine the type and quality of aggregate used in your county, please check all apply. For example, if your county uses crushed, spec gravel - select crushed materia specifications. Gravel 0 Scoria Pit Run Crushed Material Specifications Tested Other **Placement Practices** When aggregate overlays are placed in your county, please select the typical practice used to apply an aggregate overlay. Truck Drop and Blade Windrow/Equalize

More data for better results.

Water/Rolling/Compaction

Additional traffic model data has already been collected or will soon be collected. We want to keep you up to date on this process.

- 1. The NDDOT Pathways van collected paved roadway data in July and August. The van's video and laser systems generate roadway ratings (e.g., rutting, distress, ride quality, etc...) and photo logs.
- 2. Additional traffic counts were taken in July and August to better define the roadway demand
- 3. UGPTI has contracted with Dynatest and Infrasense to collect pavement strength (i.e., via FWD) and thickness information (i.e., via GPR) through non-destructive testing. This data collection

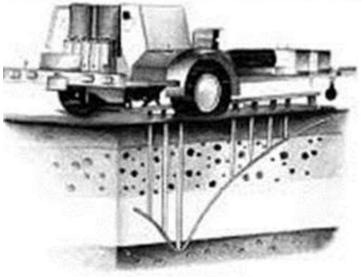
will start next week in the eastern part of the state and progress counter-clockwise around the state (southeast to northeast, northeast to northwest, northwest to southwest, and southwest to southeast) finishing in the central part of the state in October. The testing is intended to be at planning-based intervals, not project-level intervals.

• The testing progresses quite quickly so this process may not be apparent in many counties unless you see the equipment at work. Testing of an area by Dynatest, planned to start Sept. 21, may take approximately 20 minutes per test area. A truck mounted attenuator will be provided to shadow the Dynatest testing equipment to protect the public.

Testing by Infrasense, planned to start next week, will be at roadway speeds with no stopping so there will be little impact to public traffic. UGPTI Associate Research Fellow Andrew Wrucke, PE, at 701-231-6448, is coordinating these non-destructive testing efforts.







Pictured above: GPR, Pathways Van and FWD

Your efforts are greatly appreciated.

Respectfully,

Dale C. Heglund, PE/PLS, Program Director

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NDLTAP - partnering with the NDDOT/FHWA to provide learning opportunities for N Dakota's transportation system leaders.

Partners in progress.

This news bulletin produced by NDLTAP will be emailed on a regular basis to keep you informed of new transportation-related issues. Please share this publication with anyone who may benefit from this information.

If you have any comments or suggestions for this publication please contact NDLTAP.

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