

UGPTI DRAFT REPORT

North Dakota's County, Township and Tribal Roads and Bridges: 2022-2041

The draft North Dakota Local Roads Needs Study report is now available on line at https://www.ugpti.org/downloads/road_needs/, under the view draft report section. Additionally, info from the July regional meetings are also posted on line and provide a good means to understand the data collection and analysis processes. The report is open for public comment until August 25, 2022.



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Assessment of ND County and Local Road Needs

2021-2023 Legislative Study

This effort responded to the North Dakota Legislature's request for a study of the transportation infrastructure of all county, township, and tribal roads and bridges in the state. UGPTI developed and analyzed traffic, bridge, pavement and unpaved road data in order to forecast investment needs for the next 20 years. Infrastructure needs were estimated using the most current crop and oil production forecasts, traffic estimates, and roadway condition data. Agricultural and oil related traffic was modeled in detail at sub-county level. Oil related traffic was predicted for individual spacing units, whereas agricultural production is estimated at the township level. The draft report and supplemental information and meeting presentation material is shown below.

Related Links

- [Study Overview](#)
- [Study Updates](#)
- [Geographic Roadway Inventory Tool \(GRIT\)](#)

- [View the Draft Report](#) (PDF, 7345K)
- [View the Supplemental Information](#)

For questions on the report, contact ndsu.roadneeds@ndsu.edu.

Final Reports from Past Legislative Studies

- [2019-2021 — Study of County and Local Roadway Needs](#)
- [2015-2017 — Study of County and Local Roadway Needs](#)
- [2013-2015 — Study of County and Local Roadway Needs](#)
- [2011-2013 — Study of County and Local Roadway Needs](#)

The study is the sixth biennial local road investment need study conducted by UGPTI since 2010. “With each study we’ve improved the quality and scope of the data collected and the quality of the analysis methods,” explained Alan Dybing, a UGPTI economist and one of the researchers leading the project. “The intent is to provide the most comprehensive analysis of North Dakota’s local roads and bridges.”

The 2019-2021 Study noted a 20-year investment need of \$9.3 billion. The current 2021-2023 Study reports that North Dakota will need to invest more than \$10.5 billion over the next 20 years to maintain local, township and tribal roads and bridges, an increase of 14% over the last biennium. The current needs include \$6.5 billion for unpaved roads, \$3.25 billion for paved roads and \$715 million for bridges.

The local roads research report responds to the N.D. Legislature’s request for a study of the transportation infrastructure of all county, township, and tribal roads and bridges in the state. Infrastructure needs were estimated using traffic estimates, Geographic Roadway Inventory Tool (GRIT) data, roadway condition data, crop and oil forecasts and detailed traffic models. The data from the Study will be used in the county distribution formula for Operation Prairie Dog (OPD).

UGPTI researchers are accepting public comments on the report until August 25. Public review and feedback are critical to provide an accurate assessment of our local roadway system. Report feedback and questions can be submitted to the UGPTI research team at ndsu.roadneeds@ndsu.edu. The report will be revised and delivered to the North Dakota Legislature this fall.

Grateful for your support,



July 26, 2022

