Objectives of GRIT

- Developed for Legislative Needs Study
- Easy to use web based tool
- Build on Google Maps
- Compatible with DOT’s
- Add other transportation assets
- Must provide with minimal cost
- **Make data easily available for Counties to make informed decisions.**
GRIT Editing Tool
- Four Layers with many attributes
- All Counties have entered data
- GRIT Web Map Viewers

Asset Inventory Toolkit

Development of the Asset Inventory Toolkit is a team effort, led by USGTT. A steering committee comprised of ten county transportation leaders, NDOT representative, and NDAQ representatives are providing guidance for the USGTT’s inventory footprint development.

GRIT Help Videos
- Overview and Navigation
- Editing Locations
- Construction Segment Layer
- Load Restrictions Layer
- Minor Structures Layer
- Construction Planning Layer

Related Links
- Geography
- Roadway Inventory Tool (GRIT)
- GRIT Web Map Viewers
- Steering Committee

Presentations
- Jan. 11, 2018 Webinar: GRIT Photo Logging
- Oct. 11, 2017 Webinar: GRIT Highlights and Enhancements
- Aug. 8, 2018 Webinar: GRIT Construction Layer
- Mar. 21, 2016 Webinar: GRIT Viewer Release
- Dec. 9, 2015 statewide kickoff webinar: GRIT 1.0
- Nov. 18, 2015 Webinar: GRIT 1.0
- Aug. 26, 2015 Webinar
- Aug. 12, 2015 kickoff webinar
GRIT Layers plus Maintenance and other layers along with sub-layers each telling a Story.
Bridges
Structure Condition

Bridges
Type / Material
Maintenance History
Seal Coat Age

Maintenance History
Gravel Grading Frequency
County with their own GIS can add GRIT layers

Other specific web map applications such as Load Restrictions
A Few Updates on Enhancements and Related Projects

- Addition of Pavement Condition Forecasting
- Smartphone App for Roadway Image Capture
- Smartphone App for Pavement Ride Condition Capture
- Enhance web maps and customize for County websites
- Integrate with NDDOT 511 Maps
Pavement Forecasting
- Consider current age and condition
- Pick projects based on that

Future Year – Seeing old data
- Will show condition of year selected
Roadway Image Capture
- Collect with mobile phone
- Uploaded and available on GRIT viewers

UGPTI COUNTY ASSET INVENTORY
Geographic Roadway Inventory Tool
GRIT

Brad Wentz P.E.
Upper Great Plains Transportation Institute