Construction Planning with GRIT

ND Association of County Engineers
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GRIT - https://www.ugpti.org/resources/asset-inventory/
- Geographic Roadway Inventory Tool (GRIT)
  - Developed by UGPTI for ND Needs Study
  - Custom web application with map viewers
- Geographic Roadway Inventory Tool (GRIT)
  - Currently 4 Layers of Data
- **GRIT - Construction Planning (5 Yr Plan)**
  - Start with the location Tab
  - Insert a begin and end point - easy
GRIT - Construction Planning (5 Yr Plan)
- Background layers like age to help select projects
  - Fill in dropdowns like type and age
- GRIT - Construction Planning (5 Yr Plan)
  - Scroll down for other items such as costs
• **GRIT - Construction Planning (5 Yr Plan)**
  - Next tab - public impacts
  - Dropdowns such as road closed
• **GRIT - Construction Planning (5 Yr Plan)**
  - Next tab - Finance
  - Funding source and % of costs
• GRIT- Webmap Viewer
  - Easy access to all data items
  - Showing pavement age and condition together
• GRIT- Webmap Viewer
  - Easy access to all data items
  - Showing pavement age and condition together
- GRIT- Condition Forecasting - coming soon!
  - Needs Study Model to predict condition
  - Select Year to see future condition data and map
• GRIT- Condition Forecasting - coming soon!
  - System performance reports
  - % miles in good fair poor based on your planning layer
Items to Consider

- **Update Construction History for the Needs Study**
  - Any projects since 2015
  - Just edit existing segments - no overlaps
  - Update other items such as pavement and base info

- **Update Construction Planning**
  - With dedicated funding - build out a 5 to 10 year plan
  - Webmaps with construction status
  - Show where legislative funding will be used

- **Pavement Condition Forecasting coming...**
  - Will probably be available at conclusion of Needs Study
• **Load Restrictions Layer**
  - Almost all counties complete or started
  - NDDOT would like to bring into ND Traveler Information Map
• Load Restrictions Layer
  – Same location Tab
  – Easy dropdown menus for Seasonal and Year round
More Information/Resources

- See the UGPTI Website at https://www.ugpti.org/
  - Resources/Asset Inventory

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