UGPTI COUNTY ASSET INVENTORY TOOLKIT

Statewide Rollout Webinar
GRIT 1.0

Brad Wentz and Andrew Wrucke
Upper Great Plains Transportation Institute

12/9/15
Today’s Agenda

Overview of Asset Inventory Program
Steering Committee Input
Demonstration of GRIT
Data Entry Pointers
Summary and Takaways
Questions – by chat box
Local Roads Asset Inventory Toolkit

• Advanced by UGPTI Advisory Council
• 2015 Legislature Appropriated Funds for an Asset Management Initiative.
  – Provide tools for local governments to preserve and maintain roads and bridges.
Local Roads Asset Inventory Direction

Establish Advisory Group
- Regional
- NDACO

Data Important to Counties
- Improve Studies
- Web Maps
Local Roads Asset Inventory Direction

- Web/Map based input system
- Paved Roadways Data Set
- Gravel Roads Data Set
- Minor Structures (less than 20 ft.)
- Other critical infrastructure items as per Steering Committee
Asset Inventory Tool Objectives

- Easy to use software – free
- Map based – Google Maps
- Web browser based – any platform
  - Mobile/touchscreen capable with GPS
- Initial data to support Needs Study
- County independent data editing
- Compatible with existing interactive map
- Linear Referencing or compatible with...

DOTSC Team Develops
Steering Team
Steering Committee Meetings

- Cass/Stutsman – Sept 29
- Burleigh/Stark/Tribal/NDACO – Oct 5
- Walsh/Ramsey – Oct 7
- McLean/Sheridan – Oct 13
- Ward/Mountrail – Oct 14
Steering Committee Input

- Changes to Inventory Layers
- Changes to data items and values
- Program changes
- Suggestions for new Layers
Demonstration of GRIT 1.0
Geographic Roadway Inventory Tool

Brad Wentz and Andrew Wrucke
General comments on data input

Location data entry

- Accuracy +/- 10 feet
- Direction West to East and South to North
- Waypoints in order between start and end
- No overlapping segments – County line
- Create or copy new segments for gaps

Plans or no Plans – best available data

Data conversion from existing data

- If construction segment data shapefile available - yes
General comments on data input

Which roads should we inventory?

- All paved roads County or Township –
  - Initial data - type, year, depth, shoulder width, cost
- Gravel roads - County only for now
- Unorganized Townships – probably just major or CMC

Maintenance data – Summary for year

- Seal coat data for now
Summary and Takaways

- GRIT link will be emailed today
- Login soon & start with a recent project
- Complete all paved local roads – Feb15
- Other layers as you have time
- If necessary – one-on-one training available.
- Contact Brad or Andrew with any questions, problems or suggestions.
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