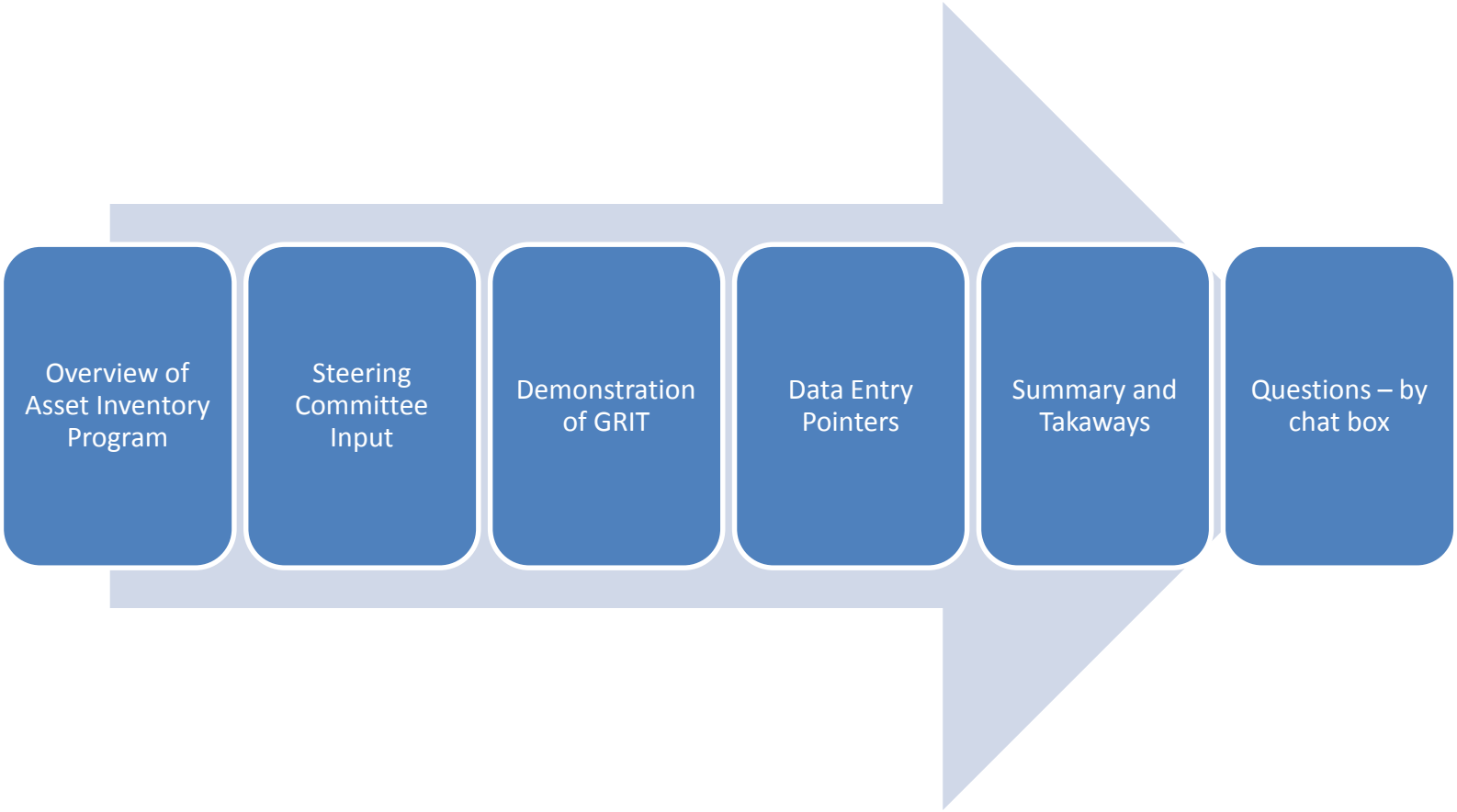
UGPTI COUNTY ASSET INVENTORY TOOLKIT

Statewide Rollout Webinar

GRIT 1.0

Brad Wentz and Andrew Wrucke
Upper Great Plains Transportation Institute

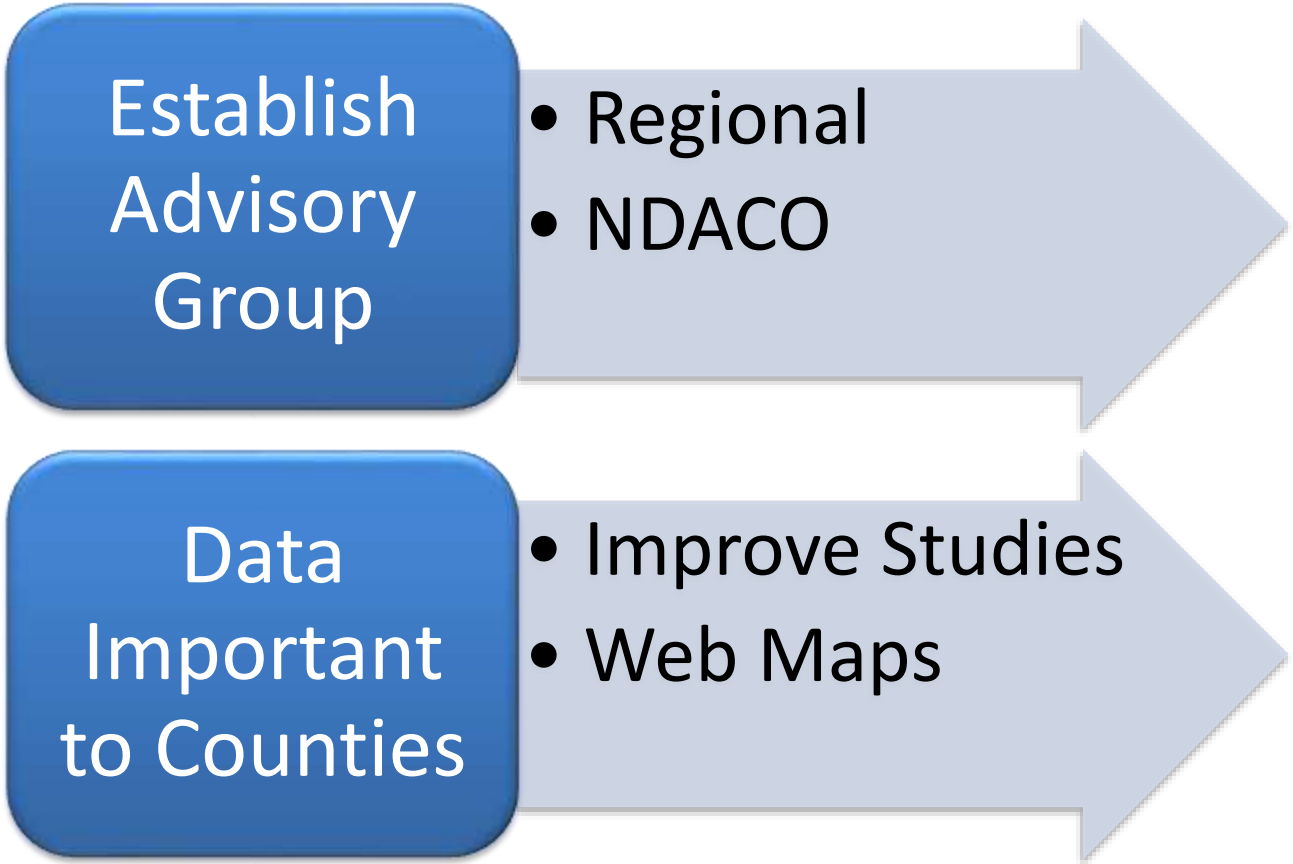
Today's Agenda



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



Local Roads Asset Inventory Direction

Initial Data to Develop

- 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

Initial data to support Needs Study

Map based – Google Maps

County independent data editing

Web browser based – any platform

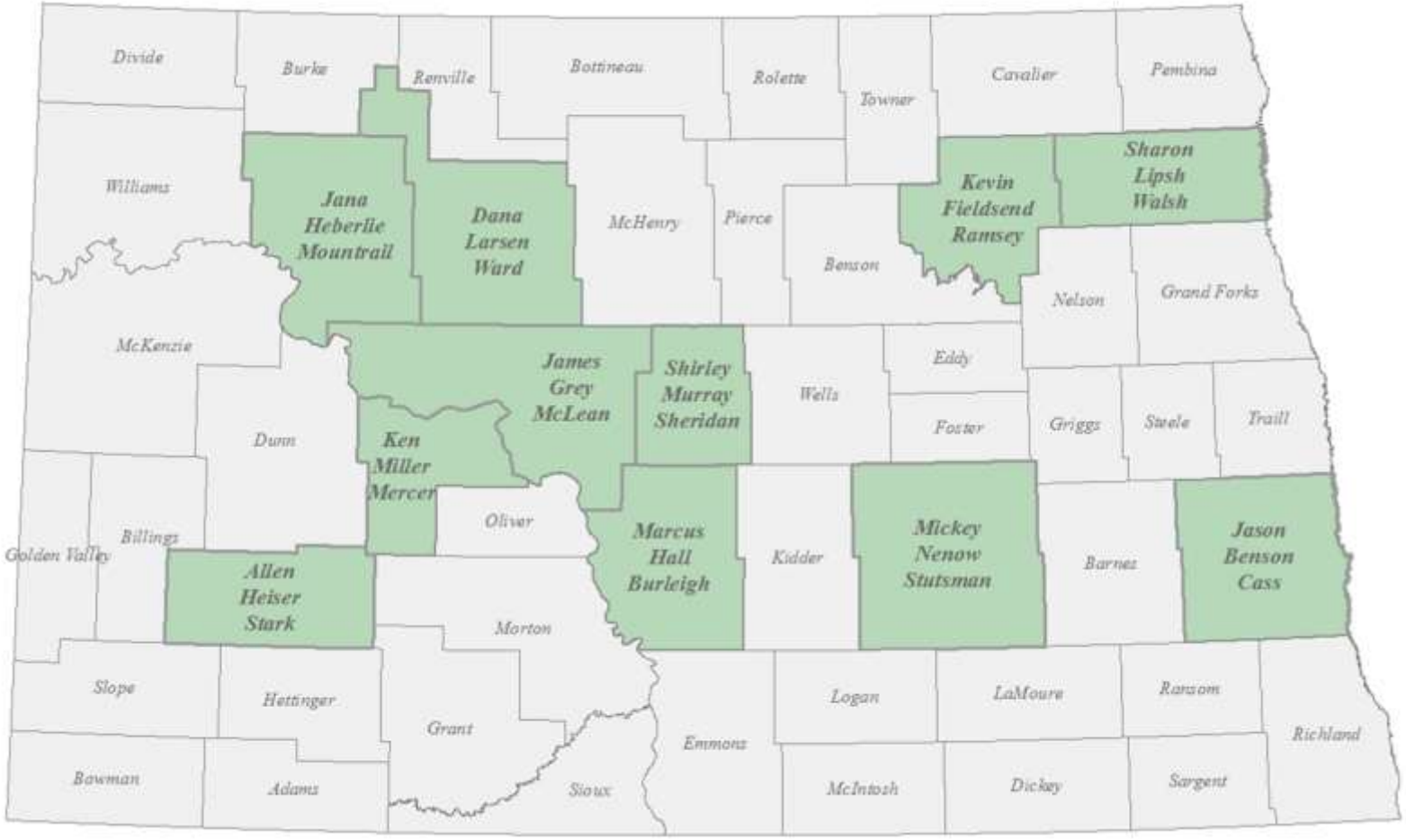
- Mobile/touchscreen capable with GPS

Compatible with existing interactive map

Linear Referencing or compatible with…

DOTSC Team Develops

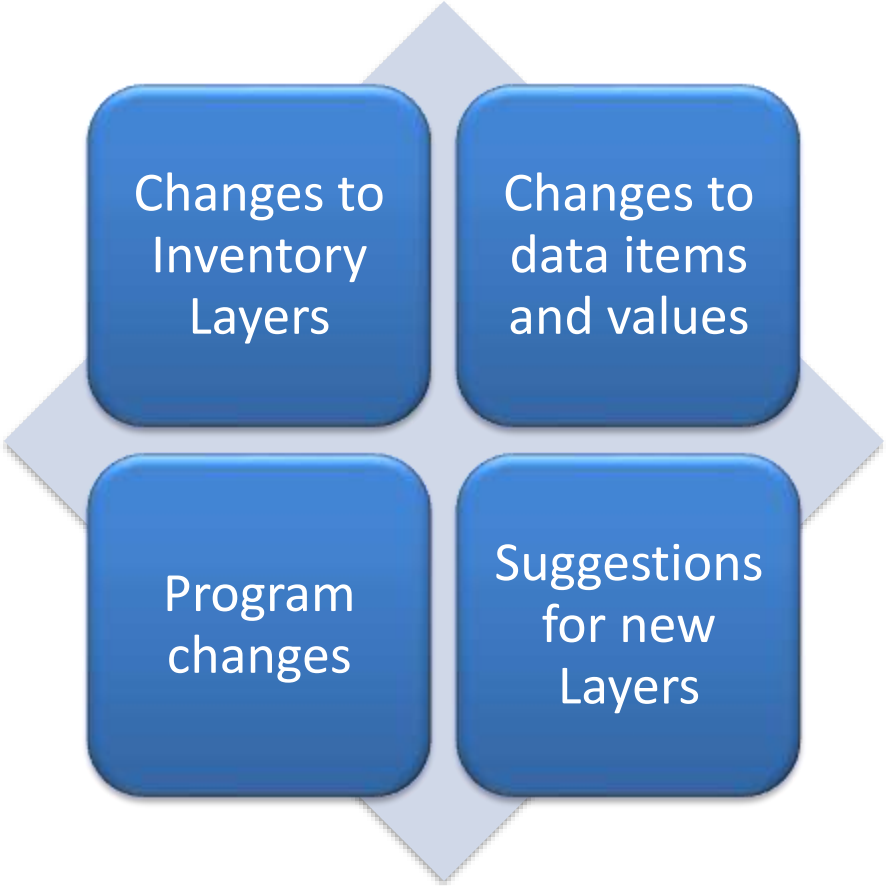
Steering Team



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



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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