



MnDOT Office of Materials & Road Research

Services and Assistance

Jerry Geib, PE
Research Operations Engineer





MnDOT Office of Materials & Road Research

- Keith Shannon, Director
 - Road Research
 - Pavement Engineering
 - Materials Engineering
 - Geotechnical Engineering



Road Research

- **Maureen Jenson, Research Manager**
 - **Asphalt**
 - **MnROAD**
 - **Concrete**
 - **Pavement Design**



Asphalt Research

- **HMA**
- **Chip Seal**
- **Micro Surfacing**
- **Crack Sealing**
- **Any preventive maintenance work**





Thank You!

- **Jerry Geib, PE**
 - **Research Operations Engineer**
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Pavement Design

- **Ground Penetrating Radar**
- **Stabilized Full Depth Reclaim**
- **Resilient Modulus (M_r) testing of granular and recycled materials**



Concrete

- Pervious Concrete
- Thinner Designs
- Diamond grinding





Video Resource

- National Center for Pavement Preservation.
 - <http://www.pavementpreservation.org/>
- 90 videos - 2012 Conference
 - <http://nationalpavement2012.org/presentation-multimedia/>



MnROAD

- **Low Volume loop**
 - A 2.5- mile closed- loop, roadway carrying a controlled 5-axle tractor-semi-trailer to simulated conditions of rural roads.





LRRB funding

- \$70,000 / year
- Not position specific
- Wide range of activities

