



North Dakota Division Office

Rugged North Dakota Landscape

# North Dakota Asphalt Conference

April 10-11, 2018

## Pavement Preservation with a STIC

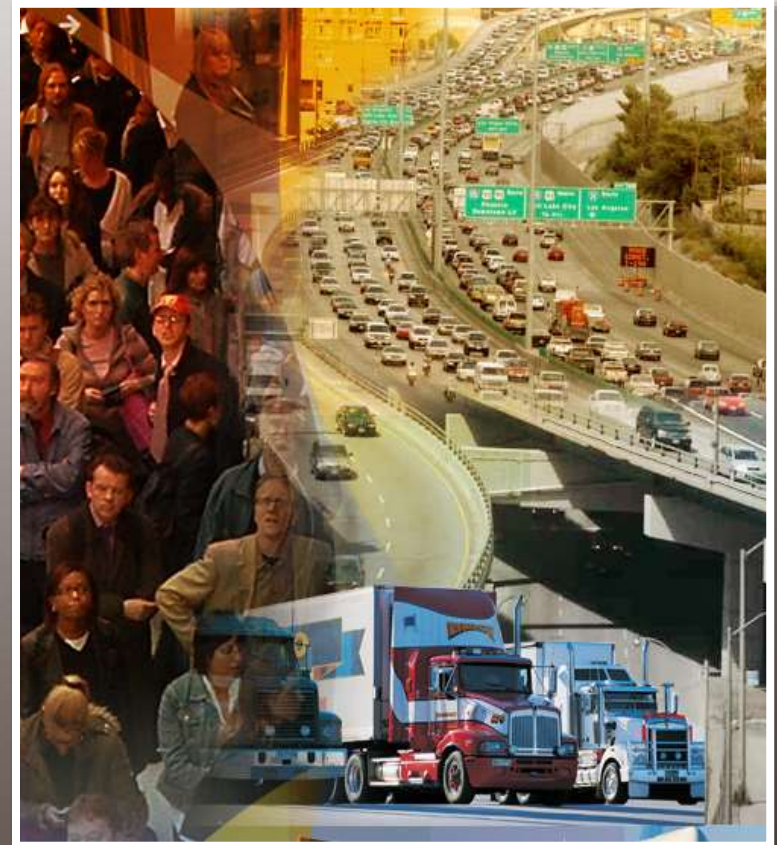


# FHWA Briefly: Who are we?

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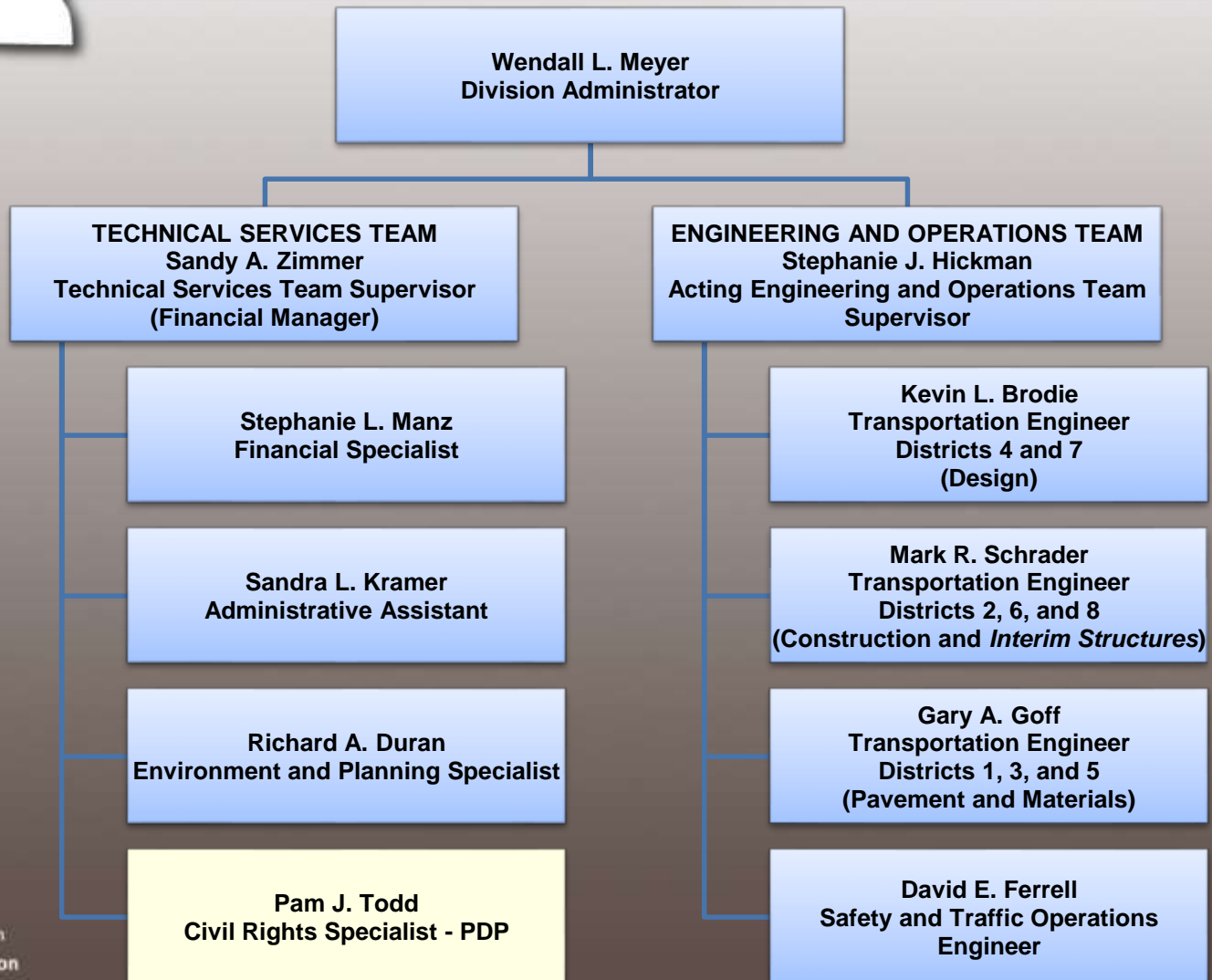
- **What we aspire to through our Mission:** Improve Mobility on our Nation's Highways Through National Leadership, Innovation, and Program Delivery.
- **Legislated Mission:** "...provide for a strong and vigorous national economy..." 23 USC 101(b) *(and associated regulations)*
- **Money:** About \$41B → \$47B Federal Highway Funds (\$44B)
- **What the public expects:** Safety and fiscal integrity, emergency response...



# North Dakota Division Organization

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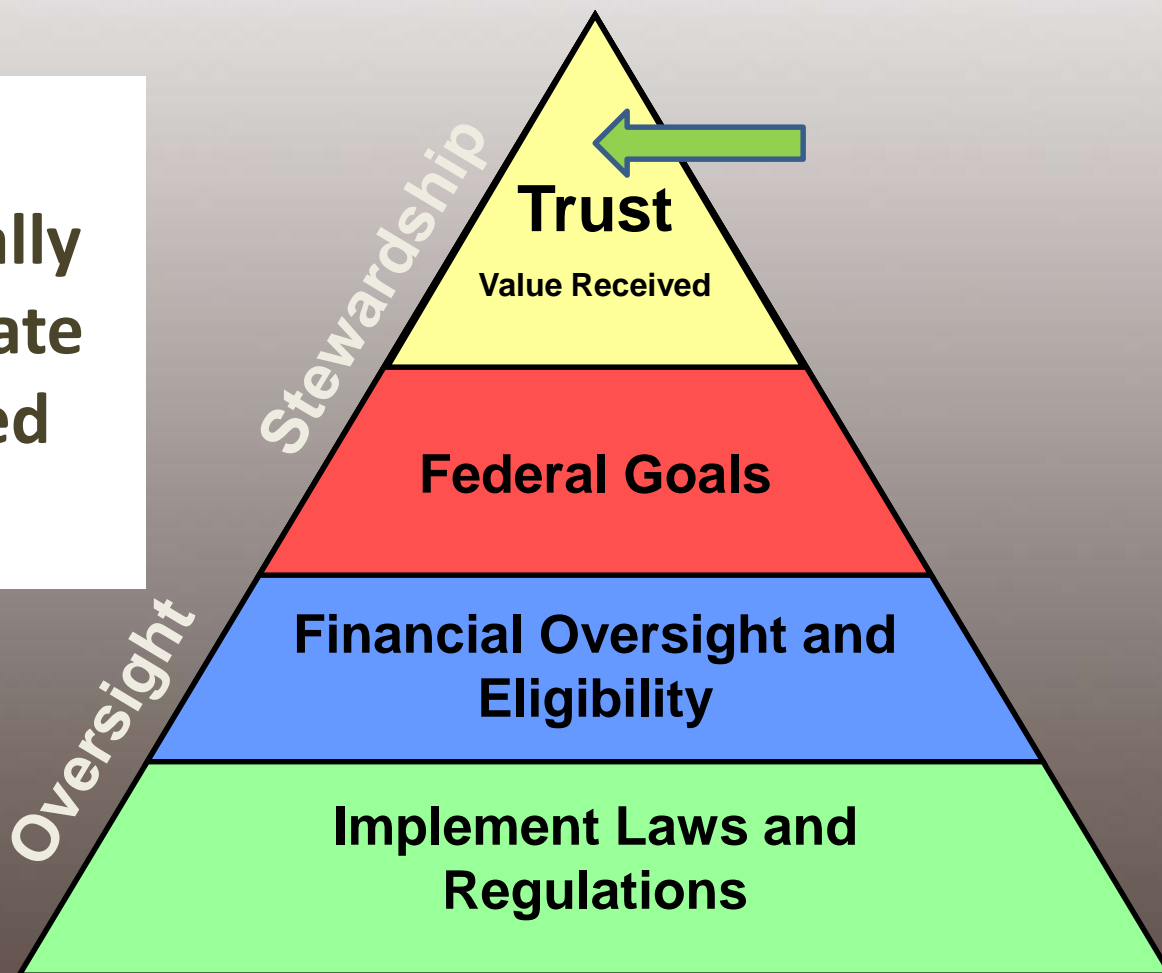
# FHWA Role: What do we do?

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## A Partner...

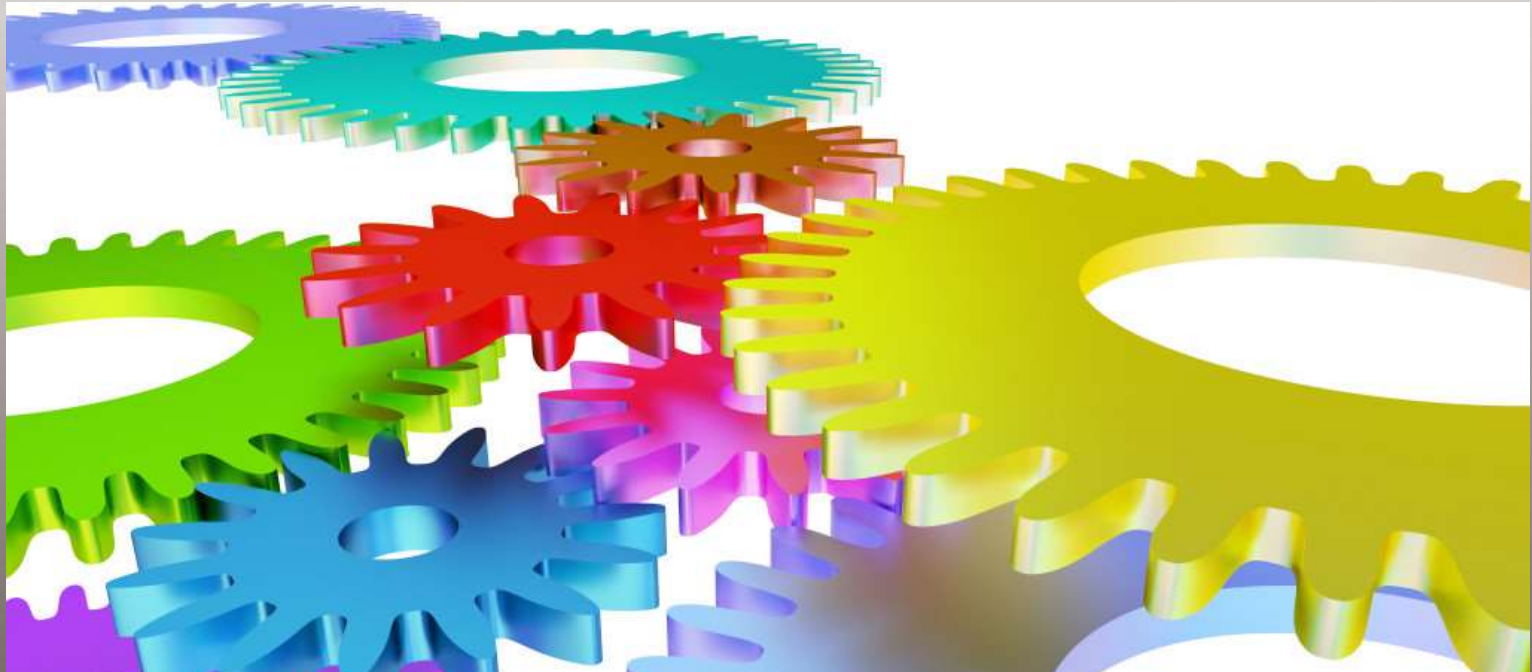
In “A Federally Assisted, State Administered Program”



# “Culture of Innovation”

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**Where are the opportunities to accelerate innovation in your organization?**





# When do we use the STIC?

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<https://www.youtube.com/watch?v=roN1jUPpxyk>



# Are you an Innovator?

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[https://www.youtube.com/watch?v=UqjWNryw\\_xl](https://www.youtube.com/watch?v=UqjWNryw_xl)



# Every Day Counts

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## EDC-4 Innovations (2017-2018)



EDC Overview Video



ATSPMs



Collaborative  
Hydraulics (CHANGE)



Community  
Connections



Data-Driven Safety  
Analysis



e-Construction and  
Partnering



Integrating NEPA and  
Permitting



Pavement  
Preservation (When,  
Where, How)



Road Weather  
Management –  
Weather-Savvy Roads



Safe Transportation for  
Every Pedestrian



Ultra-High  
Performance Concrete  
Connections



Using Data to Improve  
Traffic Incident  
Management





# Pavement Preservation

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## Innovation Spotlight

Pavement Preservation  
(When, Where, and How)



<https://www.youtube.com/watch?v=qNXFD6LSoxo&feature=youtu.be>



# Pavement Preservation

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- The importance of Pavement Preservation:
  - Good roads are vital for our economy
  - Preservation preserves the significant investment in pavements
  - Preservation is six times less expensive than rehabilitation and requires fewer resources/energy



# Pavement Preservation

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- FHWA is promoting a network-level approach to managing pavements that:
  - Considers economic treatment strategies over the life of the asset – including preservation
  - Combines capital and maintenance needs in life cycle planning
  - Reduces annual preservation costs without sacrificing performance





# Federal Legislation Promotes:

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- Performance-based investment decisions
- Development of a 10-year Transportation Asset Management Plan
  - Includes consideration of life cycle planning and risk
  - Sets minimum standards for the use of pavement management systems
  - Links investments to performance targets







Good roads are vital for our economy,  
and preservation preserves the  
substantial investment that has been  
made in the system.



# Thank You!

**VISION ZERO**  
Zero fatalities. Zero excuses.

North Dakota Division Office

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*Buckle Up...Zero Fatalities, Zero Excuses*



U.S. Department of Transportation  
Federal Highway Administration