



Rugged North Dakota Landscape

North Dakota Division Office

North Dakota Asphalt Conference

April 10-11, 2018

Pavement Preservation with a STIC

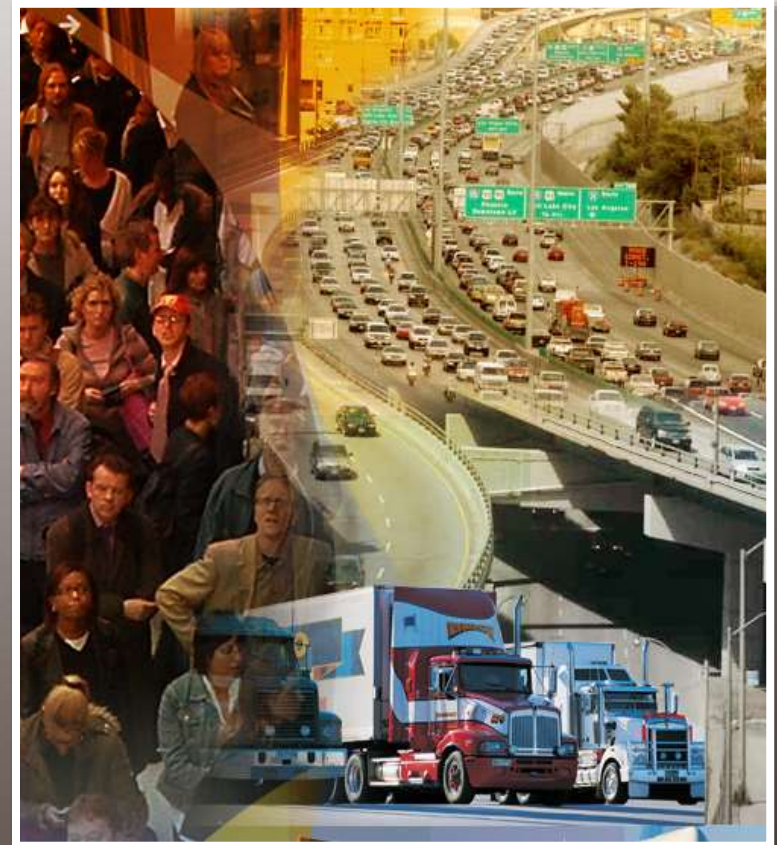


FHWA Briefly: Who are we?

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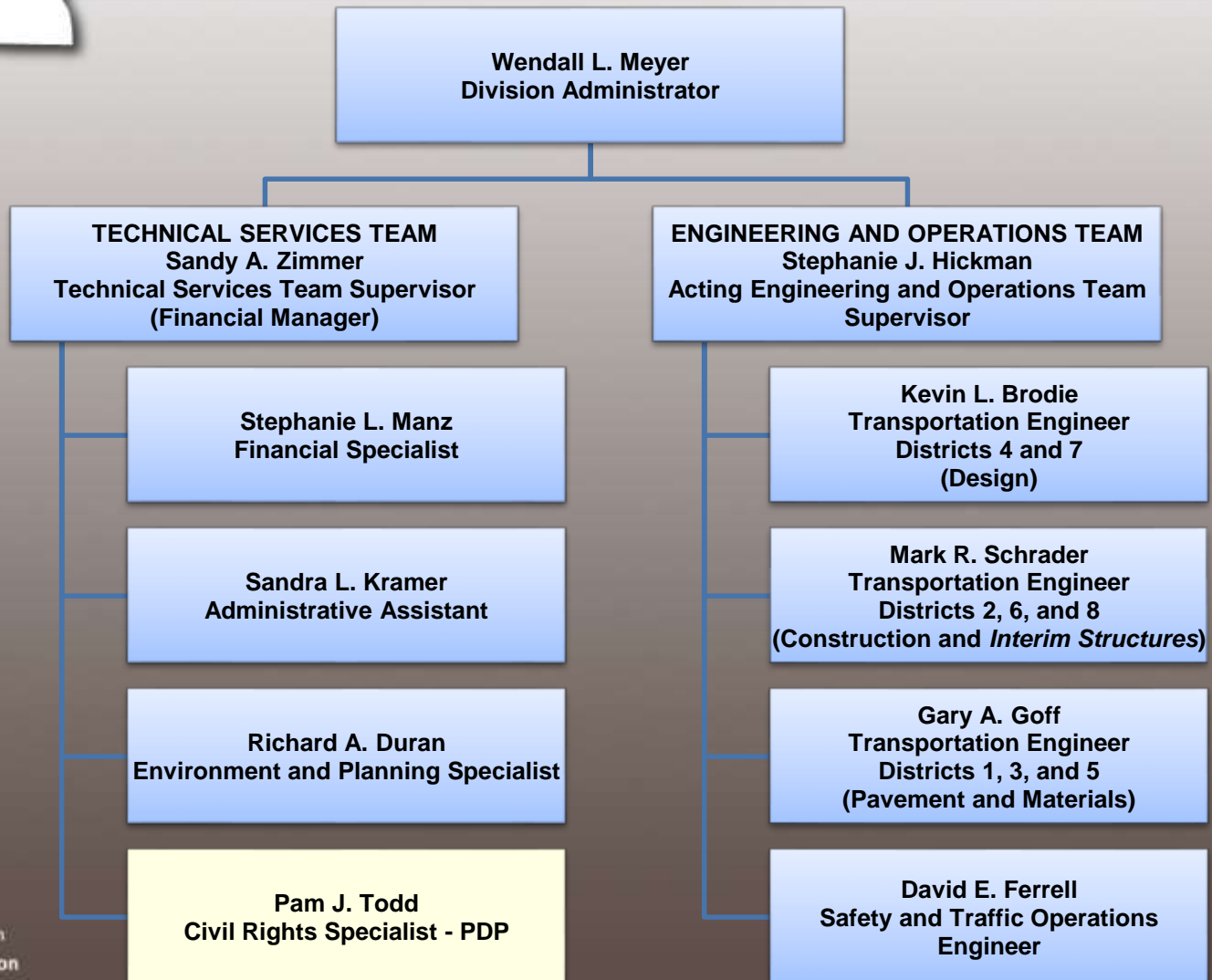
- **What we aspire to through our Mission:** Improve Mobility on our Nation's Highways Through National Leadership, Innovation, and Program Delivery.
- **Legislated Mission:** "...provide for a strong and vigorous national economy..." 23 USC 101(b) *(and associated regulations)*
- **Money:** About \$41B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



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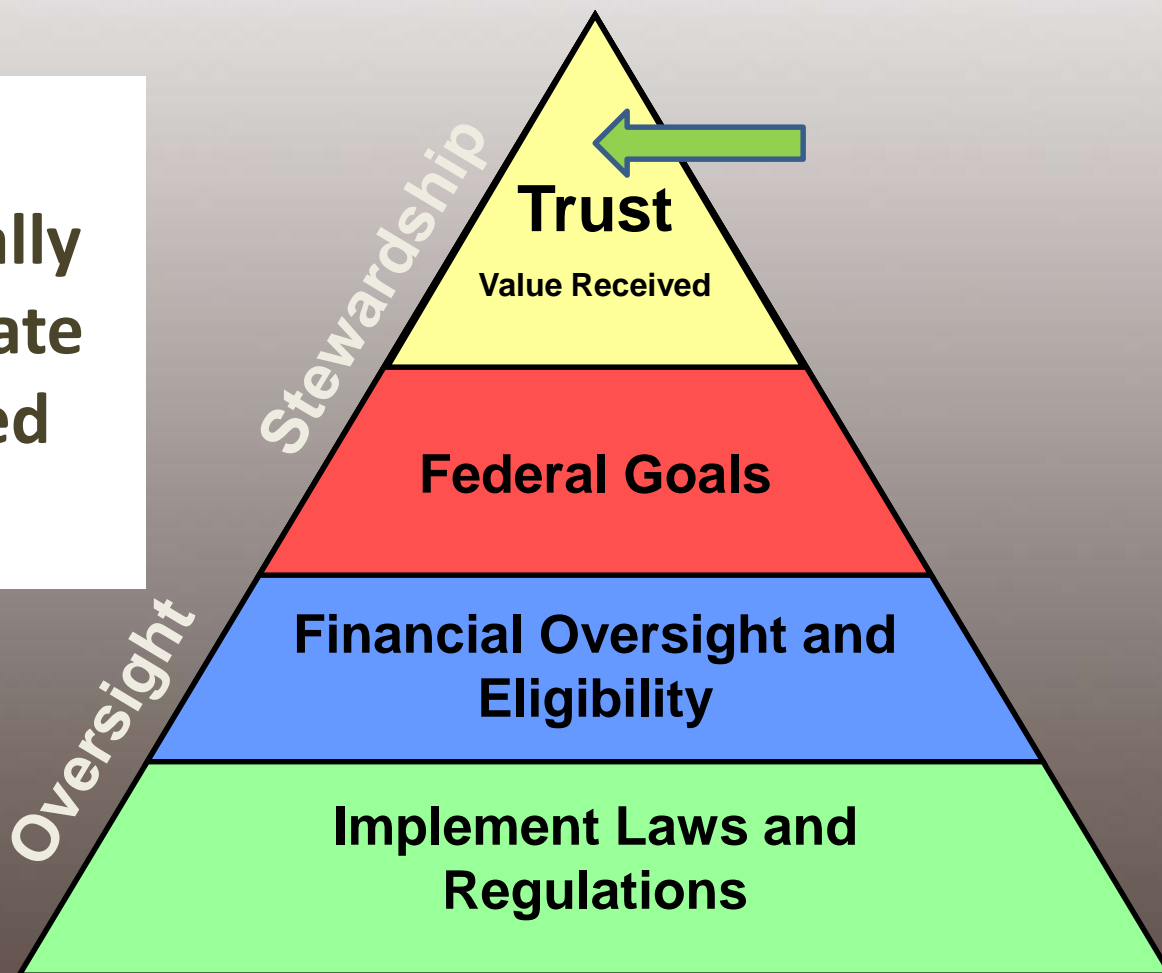
FHWA Role: What do we do?

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A Partner...

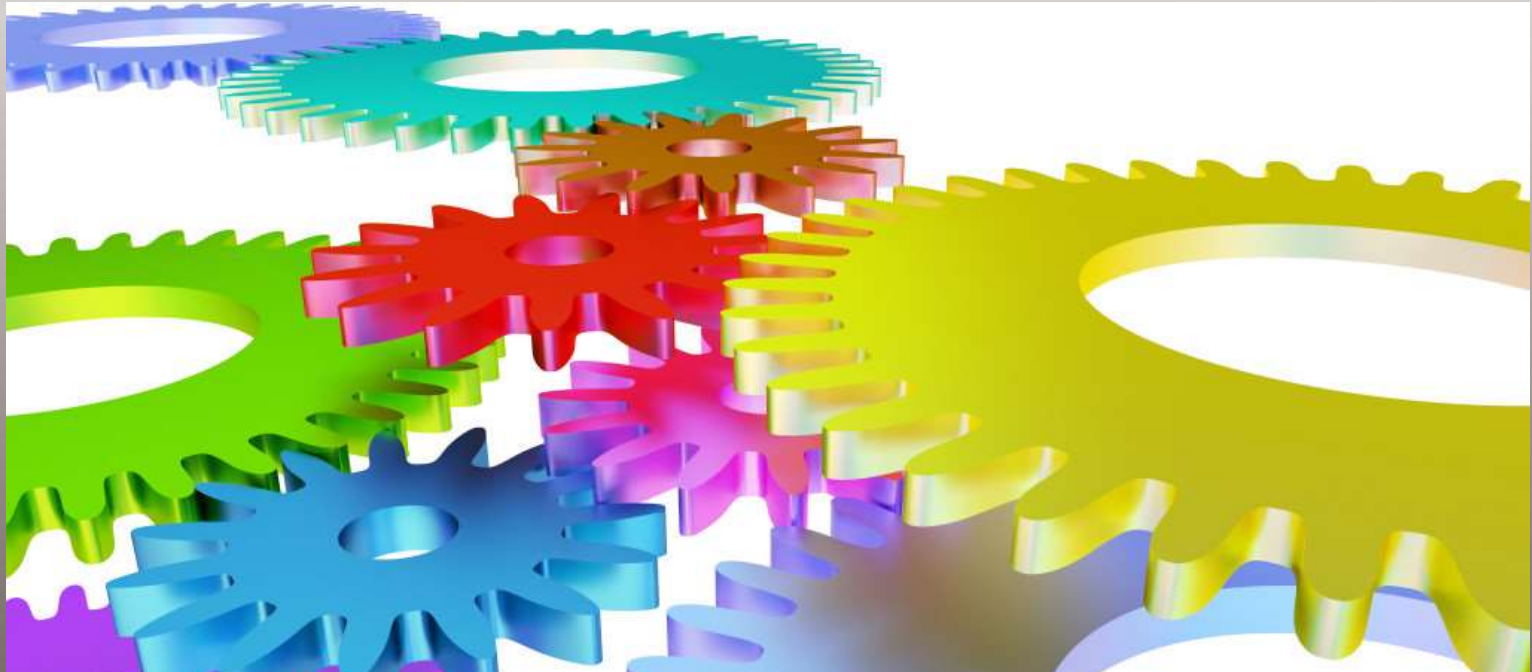
In “A Federally Assisted, State Administered Program”



“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



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

Wendall L. Meyer
Division Administrator
Federal Highway Administration
North Dakota Division
4503 Coleman Street, Suite 205
Bismarck, ND 58503

Phone: 701-221-9460

Email: NorthDakota.FHWA@dot.gov

Buckle Up...Zero Fatalities, Zero Excuses



U.S. Department of Transportation
Federal Highway Administration