

2019 Annual North Central Regional Local Road Conference

Rapid City, South Dakota

October 16, 2019

Kirk Fredrichs, FHWA South Dakota Division

Division Administrator

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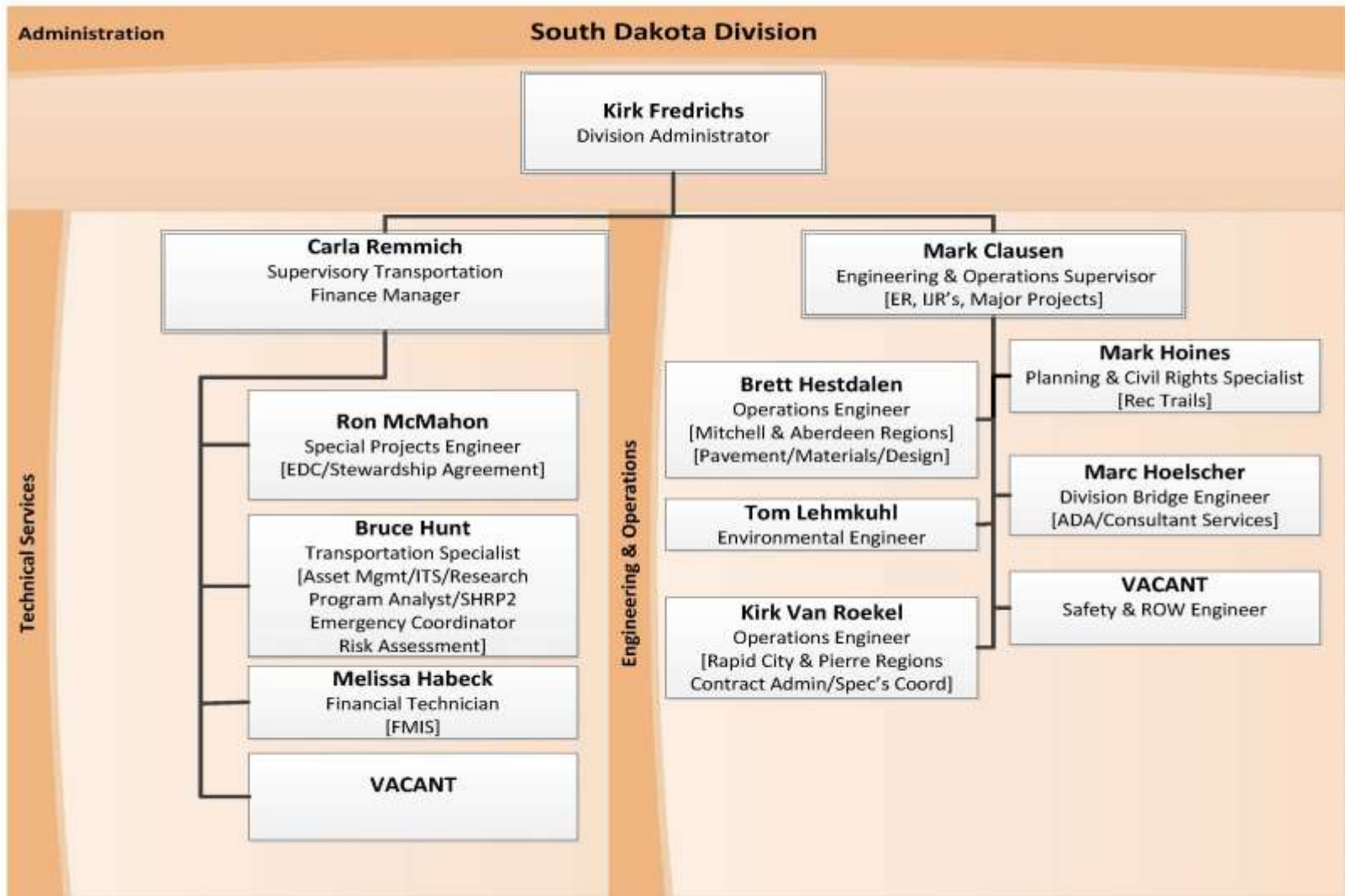
Discussion Topics

- SD Division Office Overview
- Transportation Funding & Infrastructure Bill
- National Safety Picture Data & EDC Initiatives
- Rural Opportunities to Use Transportation for Economic Success (ROUTES)
- LTAP & TTAP Update
- Transportation in the Future?

Trip to Ireland

Bucket List Trip

- Lane Stripe Differences
- Signing Differences
- Intersections



Chris Kwilinski – Safety Engineer

Ron McMahon – ROW Program

Patricia Dean – Finance Professional Developmental (PDP) Program

FHWA SD Division Overview

- FHWA Stewardship & Oversight Agreement w/ SDDOT
 - SDDOT is our Direct Partner
- **FHWA uses a Risk-Based Approach**
- National & Division Annual Work Plans
 - National – Strategic Plan, National Reviews
 - Division – Unit Plan, Program/Project Local Risks
- Innovation, EDC, Delegation, TPM, Freight, etc.
 - TPM Pavement Condition Thresholds
- “Federally-assisted, State-administered” program

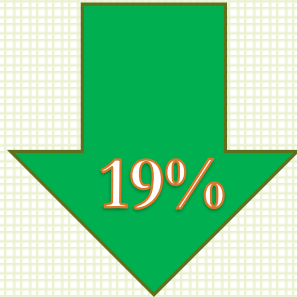
FHWA General Topics

- **New Infrastructure Act or Re-authorization Bill?**
 - Bipartisan Support for Transportation
 - FAST Act ends September 2020 (\$225B for highways)
 - How to Fund (Federal, state, local, private, VMT, Increase Taxes)?
 - Proposals being worked on by many sources
 - House & Senate Committees, Highway Policy Board, AASHTO, etc.
 - Must provide “sustainable, long-term federal funding”
- **Highway Trust Fund (HTF) Future?**
 - Revenues come from taxes on highway users
 - 18.4 cents/gal on gas, 24.3 cents/gal on diesel
 - Has become financially unsustainable
 - Since 2008, \$115B has been moved from the General Fund to the HTF
 - The HTF is likely only solvent for the next few years

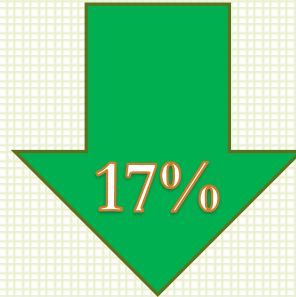
102

Change in Fatalities by Type (2007 to 2016)

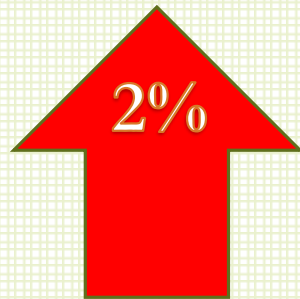
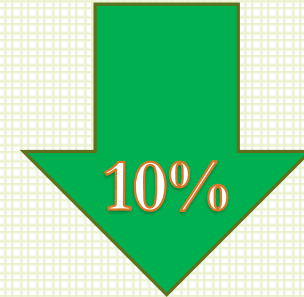
Passenger Car
Occupants



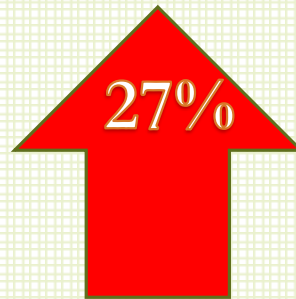
Light Truck
Occupants



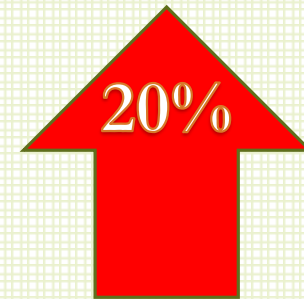
Large Truck
Occupants



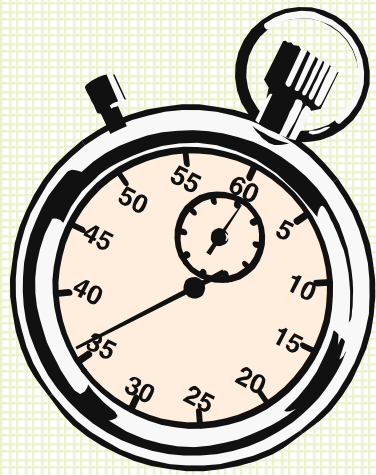
Motorcyclists



Pedestrians



Pedalcyclists



United States Crime Crash Clock (2017)

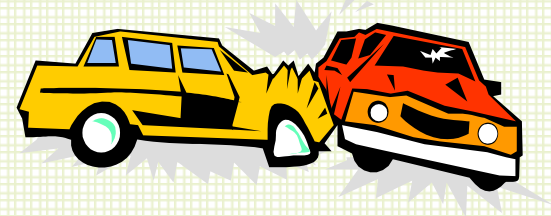
Crime



47 murders

each day

Crashes



102 fatalities

each day

What Can We Do?

Crashes are caused by the alignment of factors that can be both ANTICIPATED and ALTERED.



CRASHES
aren't
Accidents

1. FHWA's Proven Safety Counter-Measures



Roadside Design Improvement at Curves



Reduced Left-Turn Conflict Intersections



Systemic Application of Multiple Low Cost Countermeasures at Stop-Controlled Intersections



Leading Pedestrian Interval



Local Road Safety Plan



USLIMITS2



Enhanced Delineation and Friction for Horizontal Curves



Longitudinal Rumble Strips and Stripes on Two-Lane Roads



Median Barrier



Safety Edges_{SM}



Backplates with Retroreflective Borders



Corridor Access Management



Dedicated Left- and Right-Turn Lanes at Intersections



Roundabouts



Yellow Change Intervals



Medians and Pedestrian Crossing Islands in Urban and Suburban Areas



Pedestrian Hybrid Beacon



Road Diet



Walkways



Road Safety Audit

Rural Opportunities to Use Transportation for Economic Success (ROUTES)

- New Initiative from USDOT (rolled out last week)
- 70% of America's road miles are in rural America
- 20% of Americans live in rural areas, but account for almost 50% of fatalities
- 90% of bridges posted for weight limits are in rural areas
- ROUTES will ensure discretionary funding and financing opportunities are available to rural stakeholders
- Engage rural transportation stakeholders to educate project sponsors about grant funding and financing opportunities
- Projects in SD – 4 TIGER, 2 BUILD, 2 INFRA

LTAP and TTAP Updates

- LTAP
 - LTAP Strategic Plan is currently being updated
 - Drafting Updated Goals, Objectives & Reporting Needs
 - Winter 2019/20 – Stakeholder Engagement, Public Comment (FR?)
 - May 2020 – 2020-2025 Strategic Plan Roll-out
- TTAP
 - National Pilot Summary Webinar(s) in November?
 - Provide Feedback and Analysis of the 2-year TTAP Pilot that ends December 2019

Transportation in 20 years?

What will it be?

EDC-6 requests start in November

Questions??

Thank you for your attention.

Kirk Fredrichs

FHWA South Dakota Division

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