

Commercial Vehicle Safety Summit

*Issues in Oilfield Areas with CMV-Related
Crashes*

Lt. David Wolf and Lt. Adam Dvorak

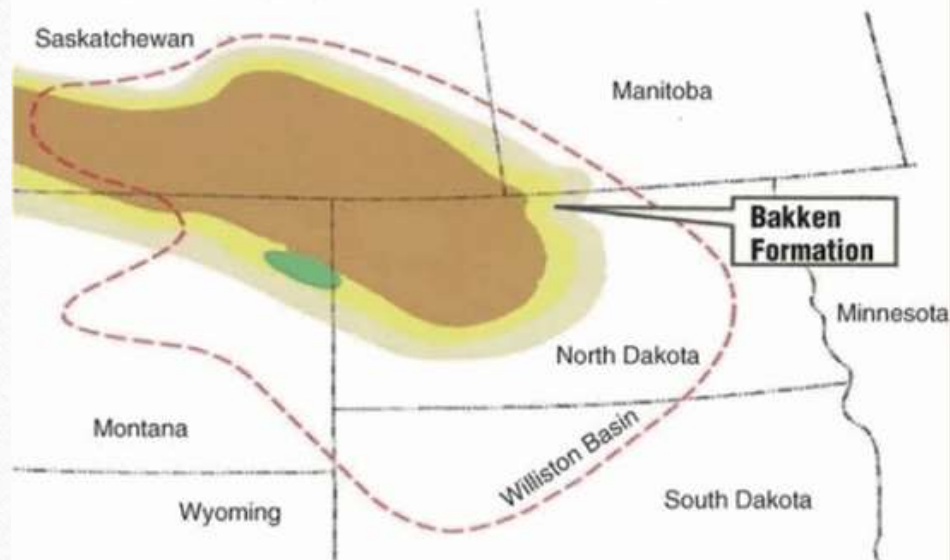
Primary Mission

STATE AND FEDERAL PARTNERS

To reduce crashes, injuries and fatalities involving large trucks and buses

The Bakken Shale Formation

The Bakken Formation was deposited in the more central and deeper portion of the Williston Basin.



Source: USGS



History of Oil Boom 2006-2015

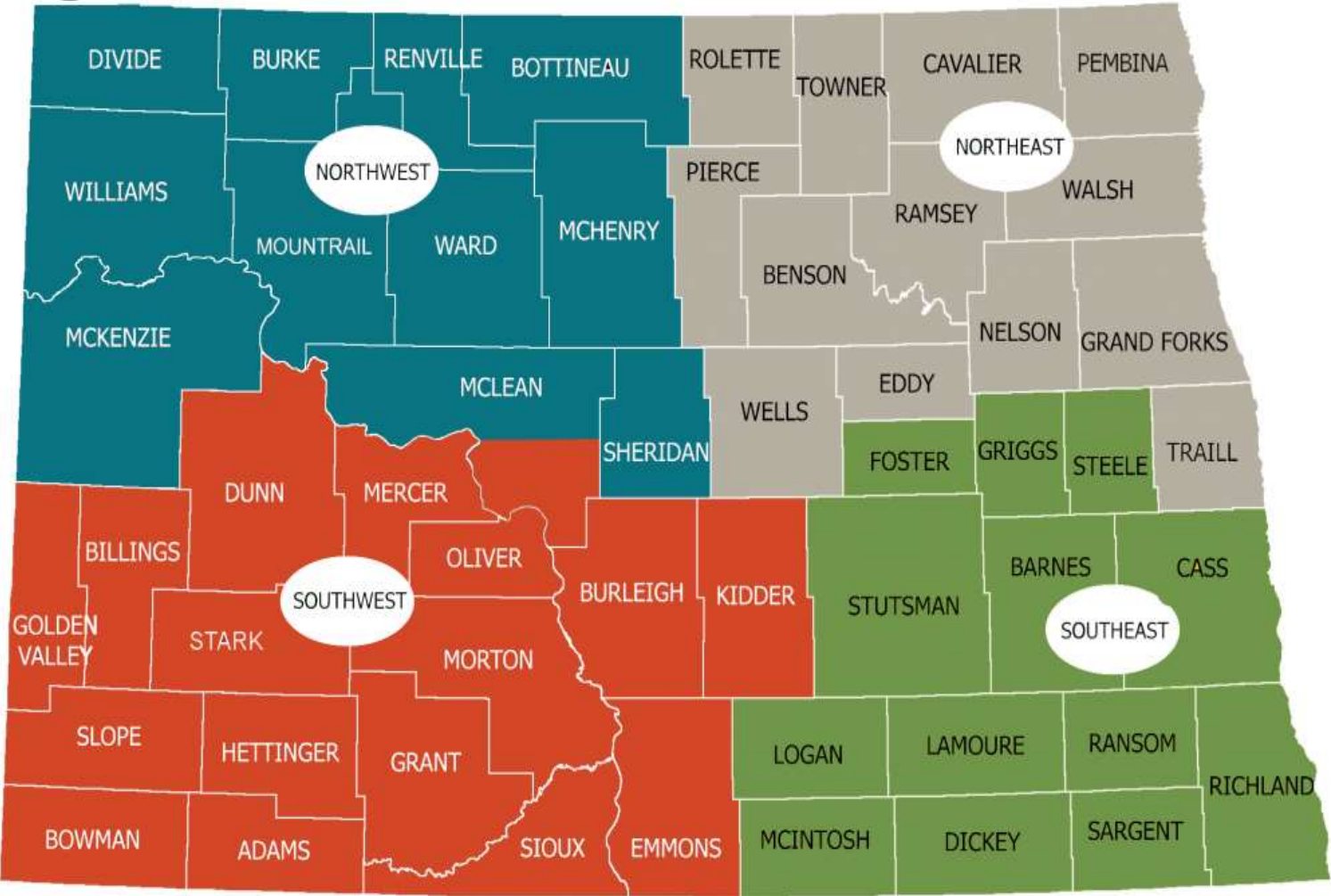
Bakken Formation discovered in 2008 and lasted until 2015

- USGS Estimated between 3.0 – 4.3 billion barrels of recoverable oil (Estimated 24 billion)
- Peaked in 2012 with rig count at 217
 - 2nd leading oil producer next to Texas (900,000 barrels per day)
 - Each rig produces 125 full-time jobs
 - Oil peaked in 2008 at \$126.68 per barrel
 - Today Bakken crude is at \$56.14 per barrel
 - Lowest price was April 2020 at \$11.76 per barrel
 - Currently only 19 full time rigs drilling in North Dakota (15,000 active wells)

North Dakota Highway Patrol Regions



NORTH DAKOTA HIGHWAY PATROL REGIONAL MAP



CMV Crash issues

Manpower Issues

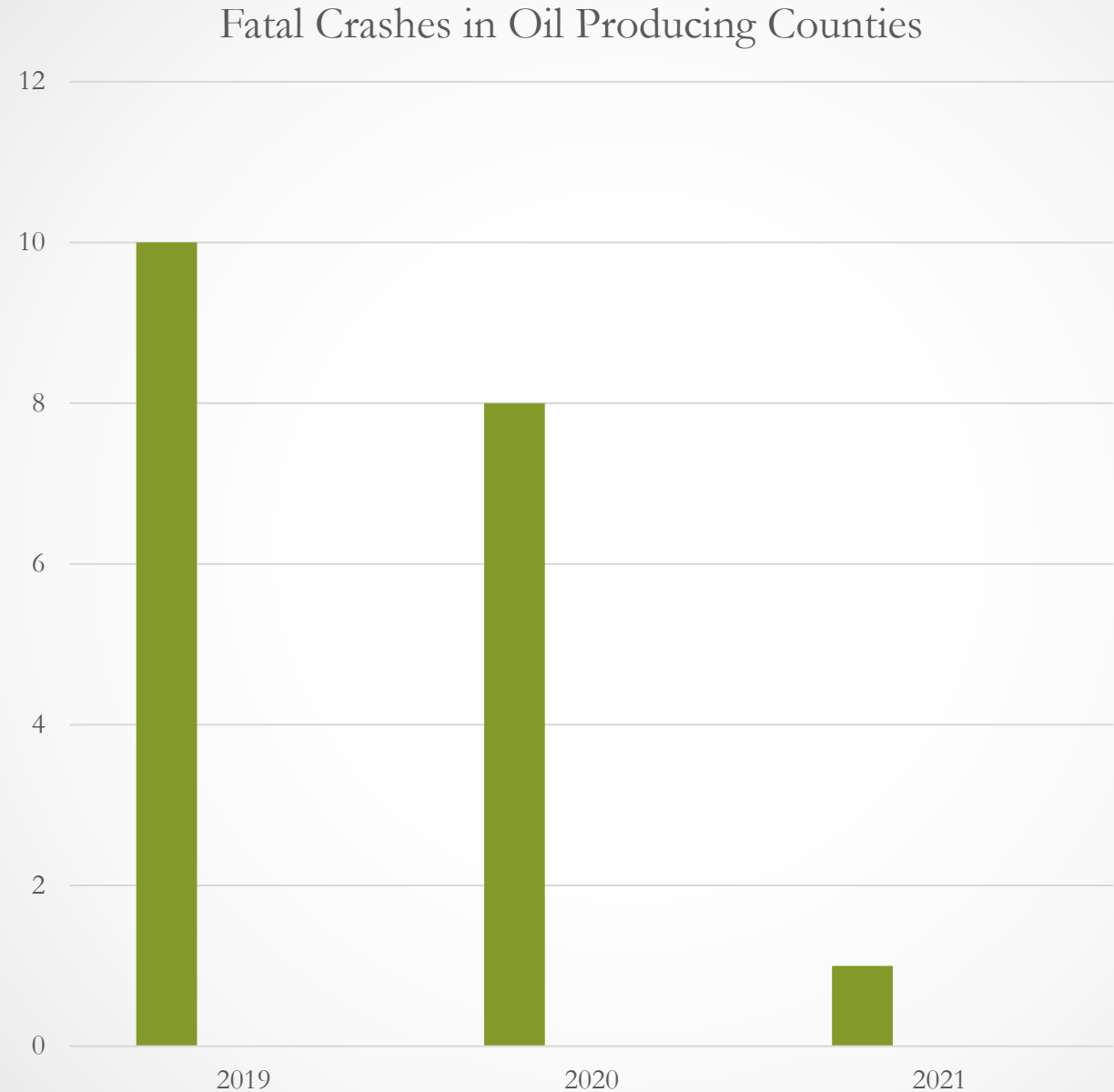
- Northwest Region
 - 12 Traffic Troopers/2 Sgts
 - 2 Motor Carrier Enf. Troopers/1 Sgt.
 - 1 Size and Weight trooper



ND Traffic Fatality History



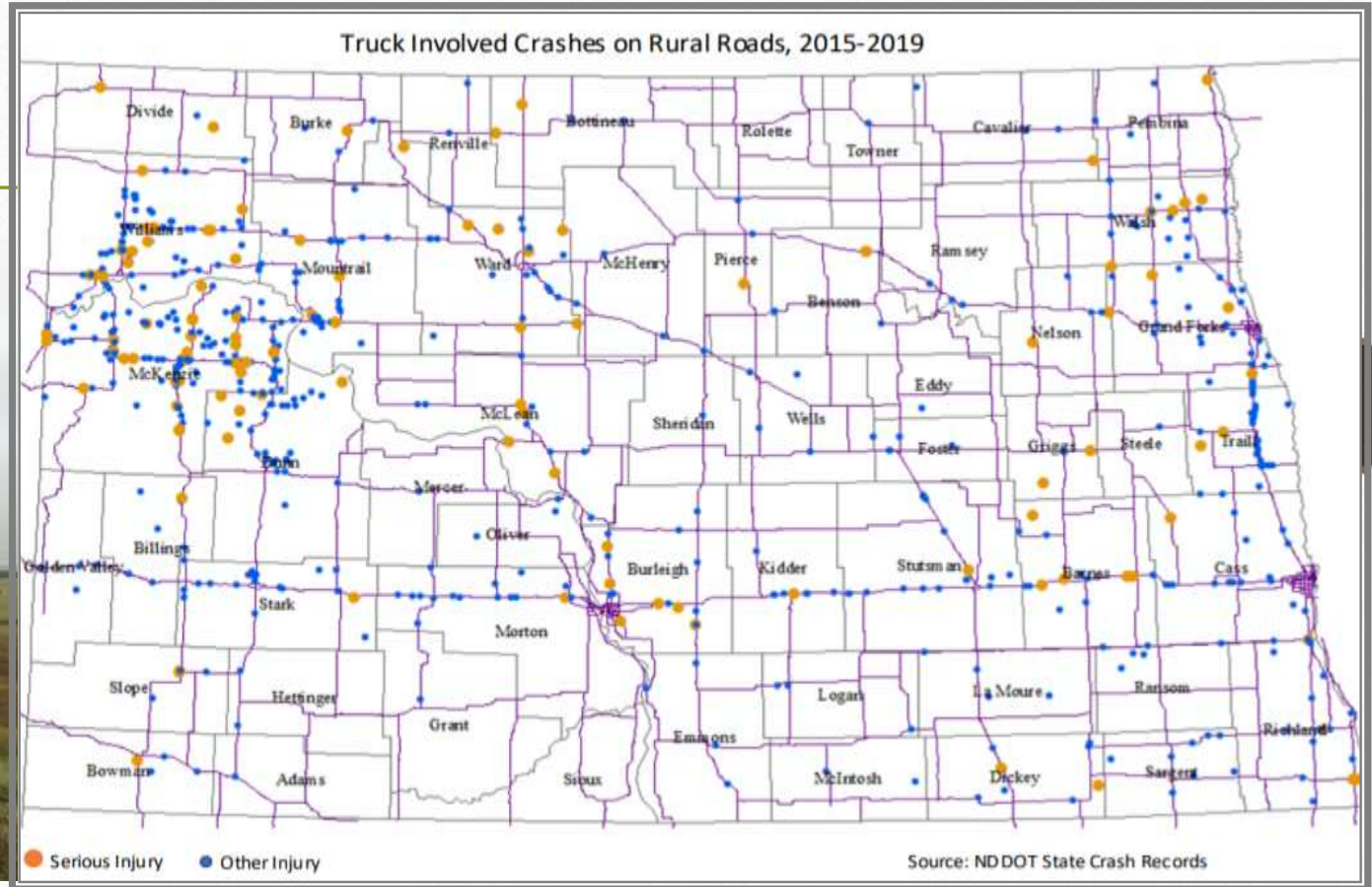
2021 CMV
Fatal
Crashes in
Oil Counties
(Williams,
McKenzie,
Dunn,
Mountrail
and Divide)



CMV Crashes in the Oilfield

- Unique challenges in the Oilfield/No Interstates in ND oilfields
- Large amount of County roadways that the NDHP normally doesn't patrol
- Out of State workers/Unaware of driving in inclement weather
- Increased CMV vehicle traffic servicing and supporting oil rigs/wells
- Roadways that were engineered for traffic patterns decades ago
- Oil industry – sense of urgency
- Tribal land jurisdiction issues

Statewide CMV Truck Crashes



Crash Related Traffic Issues in Oilfield

Speeding

Right of Way/Failure to Yield

Lack of seatbelt usage

Impaired/Distracted driving

Weather related events/Too fast for conditions

The 3 “E”s

Education

Enforcement

Engineering

Vision Zero Video



<https://youtube.com/watch?v=gWN6zZ5bbvY>

Education

- Vision Zero Strategies - Vision Zero Heavy Vehicle Committee
- Routinely visit trucking companies and provide information on FMCSR's
- Ad campaigns dealing with No-zones – Hands free driving
- NDMCA partnership for safety seminars/hosted virtually
- Legislative changes – Proposed primary SB law
- Radio Appearances
- Heavy Social Media presence
- Partnership with FRA for rail crossing education and enforcement

Social Media Post

Post Details



North Dakota Highway Patrol

5d · 🌐

#NDHP troopers encounter professional drivers who are committed to safety. We commend Mr. Sheets who is 89 years old and keeps his 2000 Peterbilt in top condition. His dedication to safety earned him a Commercial Vehicle Safety Alliance decal after an inspection yesterday during #InternationalRoadcheck.



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1,318,023

People Reached

148,598

Engagements

Boost Post

👍❤️👍 6.9K

298 Comments 4,929 Shares



Like



Comment



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Performance for Your Post

1,318,023 People Reached

60,271 Reactions, Comments & Shares

43,078



Like

6,151

On Post

36,927

On Shares

5,954



Love

808

On Post

5,146

On Shares

101



Haha

4

On Post

97

On Shares

905



Wow

90

On Post

815

On Shares

9



Sad

0

On Post

9

On Shares

3



Angry

1

On Post

2

On Shares

5,397

Comments

447

On Post

4,950

On Shares

4,929

Shares

4,929

On Post

0

On Shares

88,327 Post Clicks

21,073

Photo Views

22

Link Clicks

67,232

Other Clicks

NEGATIVE FEEDBACK

115 Hide Post

166 Hide All Posts

0 Report as Spam

0 Unlike Page

Reported stats may be delayed from what appears on posts



Vision Zero Strategies

- Promote Responsibility
- Serious Injuries and Fatalities are preventable
- Mission = Eliminate fatal and injury crashes on ND Roadways
- Goal of 75 traffic deaths by 2025

Vision Zero Crash Dashboard

The screenshot shows a web browser window displaying the Vision Zero Statistics page. The browser's address bar shows the URL <https://visionzero.nd.gov/statistics/>. The page header includes the North Dakota logo and the text "nd.gov Official Portal for North Dakota State Government". The Vision Zero logo is prominently displayed with the tagline "Zero fatalities. Zero excuses." To the right of the logo are navigation links for "press releases", "about", "contact", "events", and a search icon. Below these links is a red navigation bar with buttons for "Strategies", "Safety Plans", "Statistics", "Partners", and "Crash Memorial Wall". The main content area features a "Home" link and a large "Statistics" heading. A featured section titled "2019 Crash Summary" includes a thumbnail image of the "2019 NORTH DAKOTA CRASH SUMMARY" report and a text box explaining that the summary is prepared annually by the North Dakota Department of Transportation (NDDOT) to provide information about motor vehicle crashes, fatalities, and injuries in North Dakota. A button labeled "Priority Emphasis Area Data" is visible to the right of the summary text. The Windows taskbar at the bottom shows the time as 11:03 AM on 5/26/2021.

CMV
Enforcement
in 5 oil
producing
Counties

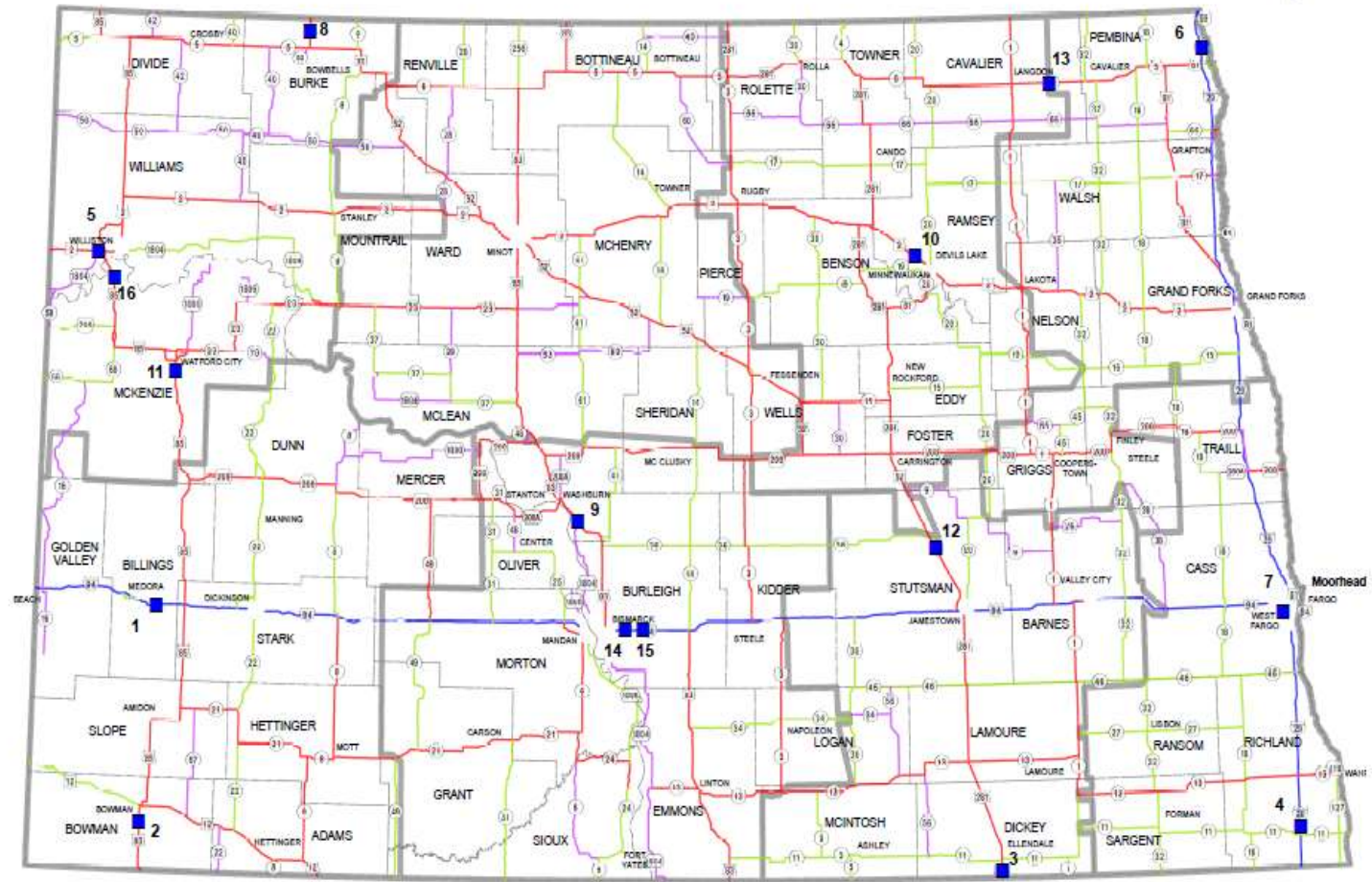
- 2 full time MCSAP inspectors/troopers conduct NAS level 1, cargo tank and hazmat (11 Statewide)
- 85% time spent on high quality CMV inspections on a daily basis
- 1 full time MCSAP Sgt. (3 Statewide)
- 1 full time Size and Weight Trooper (90% dedicated) 5 Statewide
- Traffic troopers are certified to a NAS level 2 and conduct minimum of 32 inspections
- 3 Troopers assigned 6 months/year to compliance reviews/Oil field blitz
- New Entrant Program/Oilfield details

CMV Enforcement Cont'd

- Vision Zero Corridors
- Quarterly traffic enforcement efforts in CVSP
- High emphasis team details/blitzes during International events such as Roadcheck, Operation Safe Driver, Brake safety campaigns
- PBBT machine
- Maintaining high level of presence at fixed sites conducting level 1,2,3 and hazmat/cargo tank inspections
- Large oilfield strikes scheduled throughout the year – focus on hazmat
- Increasing our Troopers screening capabilities using Drivewyze/PrePass/Trooper Portal Accounts

Weigh in Motion Sites

Weigh - In - Motion Locations



■ WIM Sites

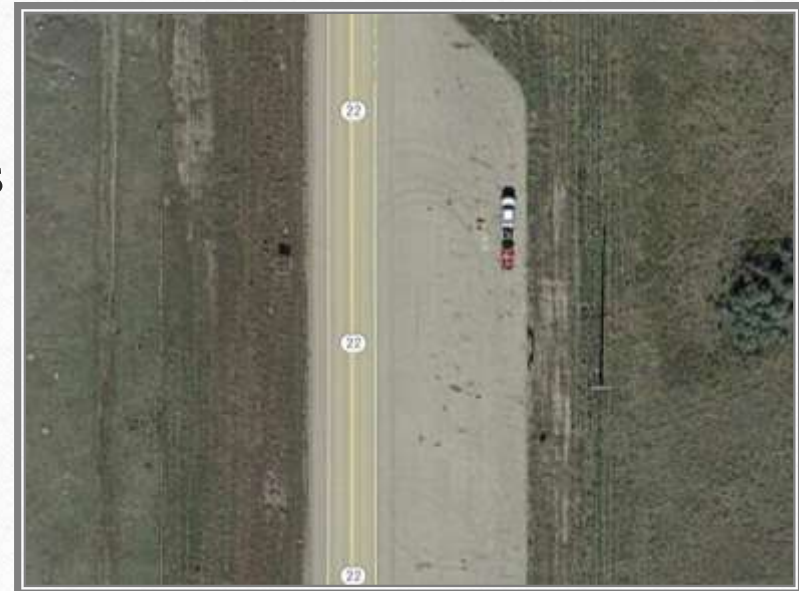
- | | | | |
|---------------|----------------|-------------------|-----------------------|
| 1 - Belfield | 5 - Williston | 9 - Washburn | 13 - Langdon |
| 2 - Bowman | 6 - Joliette | 10 - Devils Lake | 14 - Apple Creek East |
| 3 - Ellendale | 7 - West Fargo | 11 - Watford City | 15 - Apple Creek West |
| 4 - Wahpeton | 8 - Portal | 12 - Jamestown | 16 - Panger |

Planning & Asset Management Division
Traffic Data Section
January 2020

File pathway: F:\PLANNING\WRE\GIS\jeto\Reports\Annual 2019\ArcMap\WIM Locations 2020.mxd

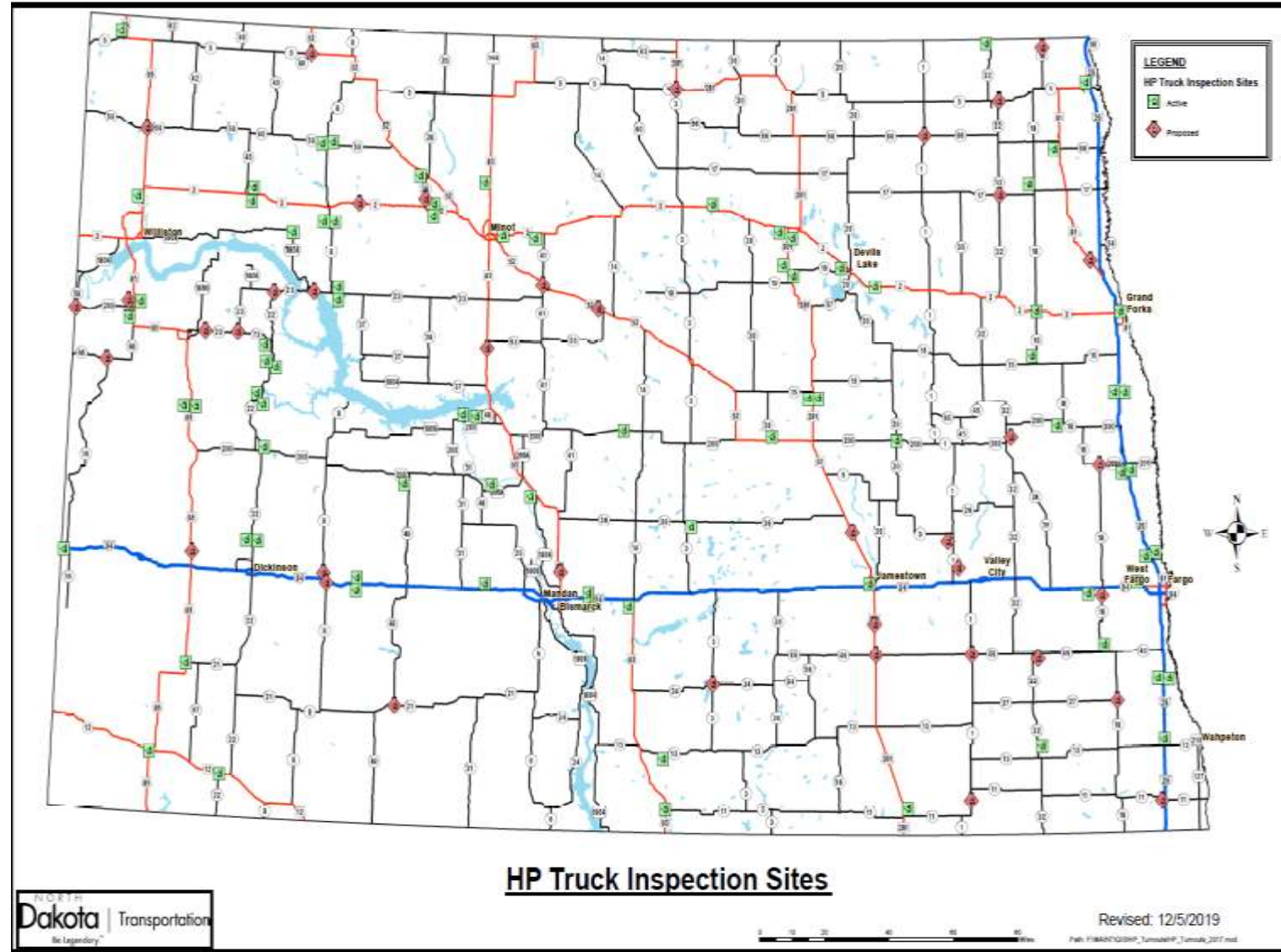
Engineering

- Work closely with NDDOT on planning new inspection sites
- Improve signs for drivers
- Ensure safety of inspectors and CMV operators during routine inspections



CMV inspection sites

- Active and Proposed



Completed 6
Roundabouts
in Oil
Impacted
Areas



What we can do better

- Add more inspectors/troopers to the oil regions
- Expand our outreach efforts
- Develop our CVSP to identify changing issues
- Utilize data better to focus enforcement efforts/Combine w/NDDOT data
- Utilize outside LE agencies to conduct inspections

Questions or Comments?

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*Public safety through
quality service.*

