



2017 – 2020 Statewide Transportation Improvement Program (STIP)

Joel Jundt
Deputy Secretary
South Dakota DOT

Delivering the Payload



South Dakota's Transportation System

- **Crane** – Represents our funding and construction plan
- **Rope/cable** – Represents our current transportation system
- **Payload** – Represents the freight and people moved throughout the state

Crane



- Federal Funds
 - Highway Gas Tax – 18.4 cents/gallon
- State Funds
 - State Highway Gas Tax – 28 cents/gallon
 - Excise tax - 4 % on sale of vehicle sales

Federal Funds

- Eligible Usage
 - Construction & Planning activities only
 - Not Allowed for Maintenance activities
- Construction program (STIP)
 - Approximately 75% federal funds

Federal Funds

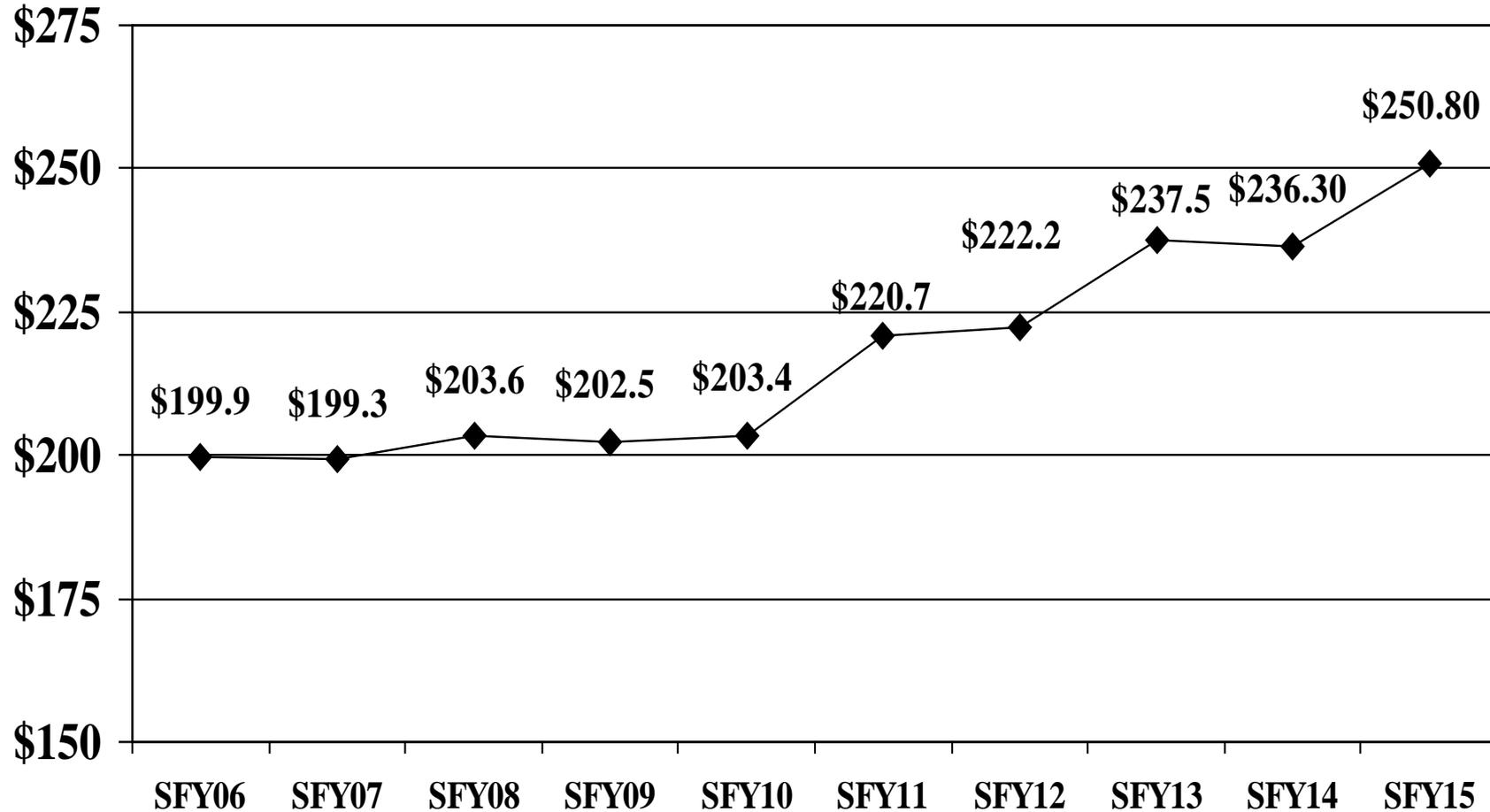
FAST ACT

- Signed by the President December 2015
- Expires September 30th, 2020
- Provides for 3% annual increase
 - Funded mainly through federal fuel tax and general funds

Total State Highway Fund Revenues

SFY 2006 – SFY 2015 COLLECTIONS

MILLIONS OF DOLLARS



Changes

Senate Bill 1

- Additional Funding
 - State
 - Local
- Bridge Improvement Grant
 - Highway Transportation Plan
 - Wheel Tax



Bridge Improvement Grant

- Available for Eligible Local Government Bridges
 - Preliminary Engineering
 - Preservation Treatments
 - Replacement/Major Rehabilitation
- \$9 M / annually thru 2018
- Applications for 2017 funding are due in early January



Moving the Payload



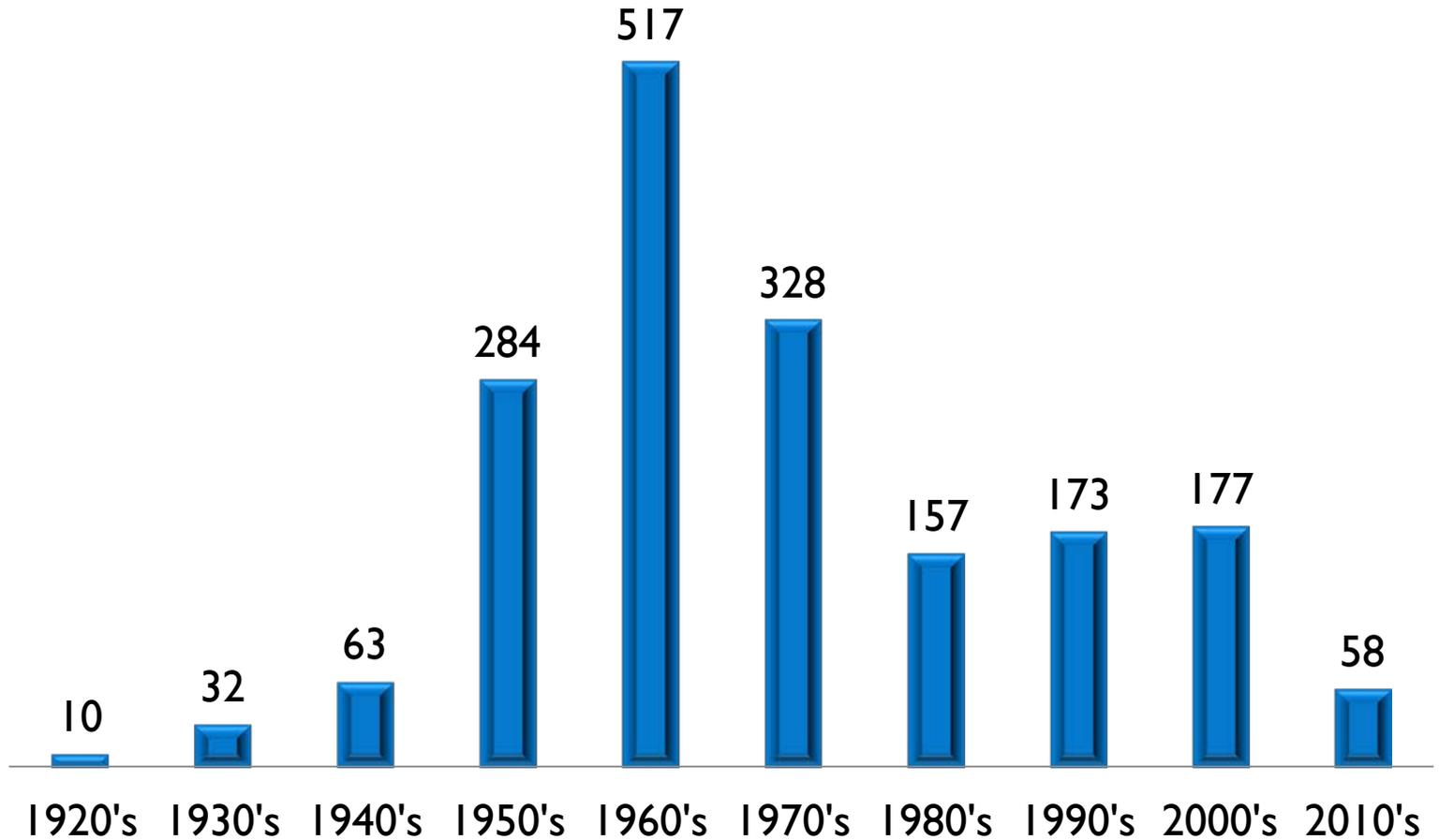
Mike Behm
P/E Division Director
South Dakota DOT

Structures

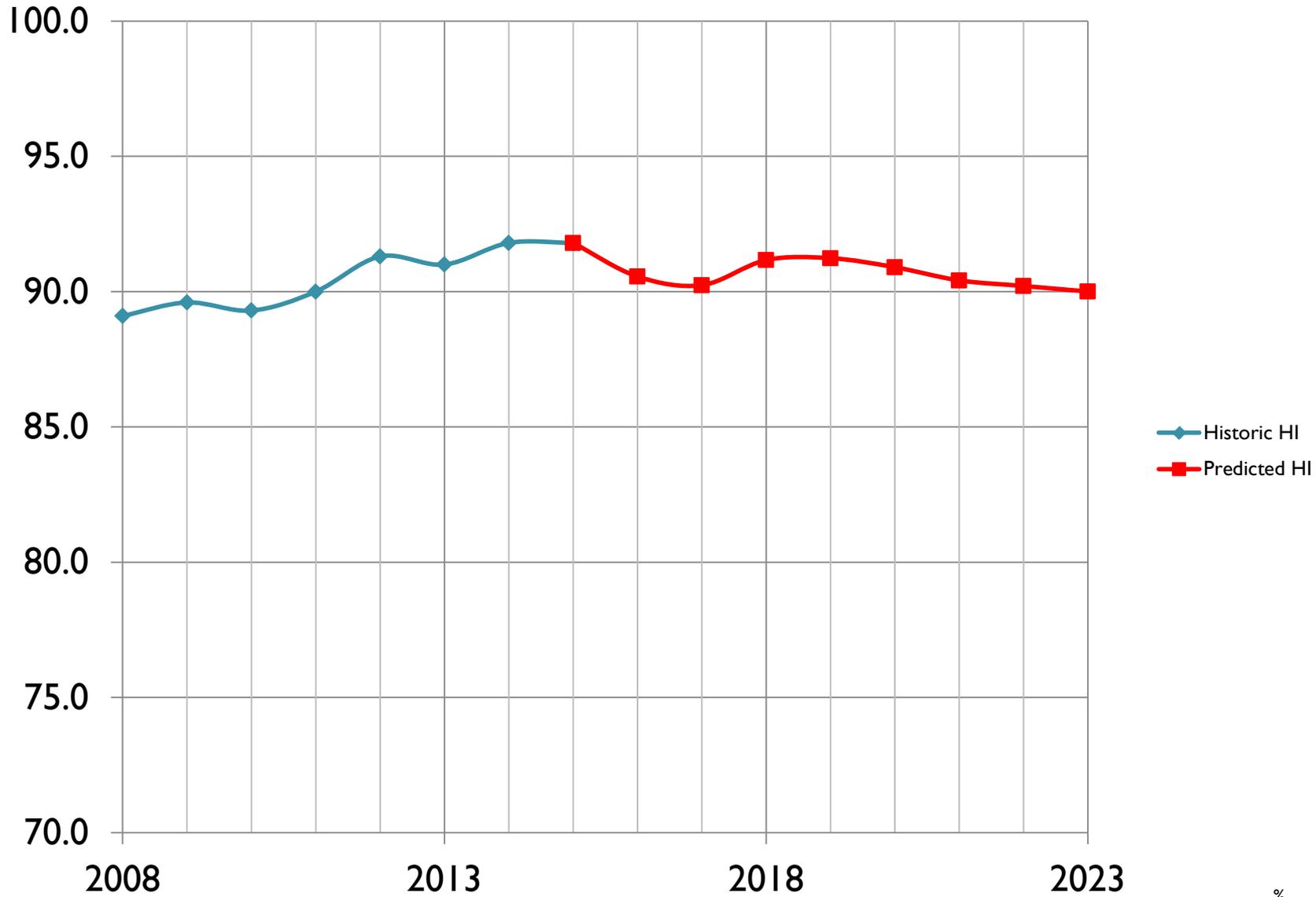


Structure Age

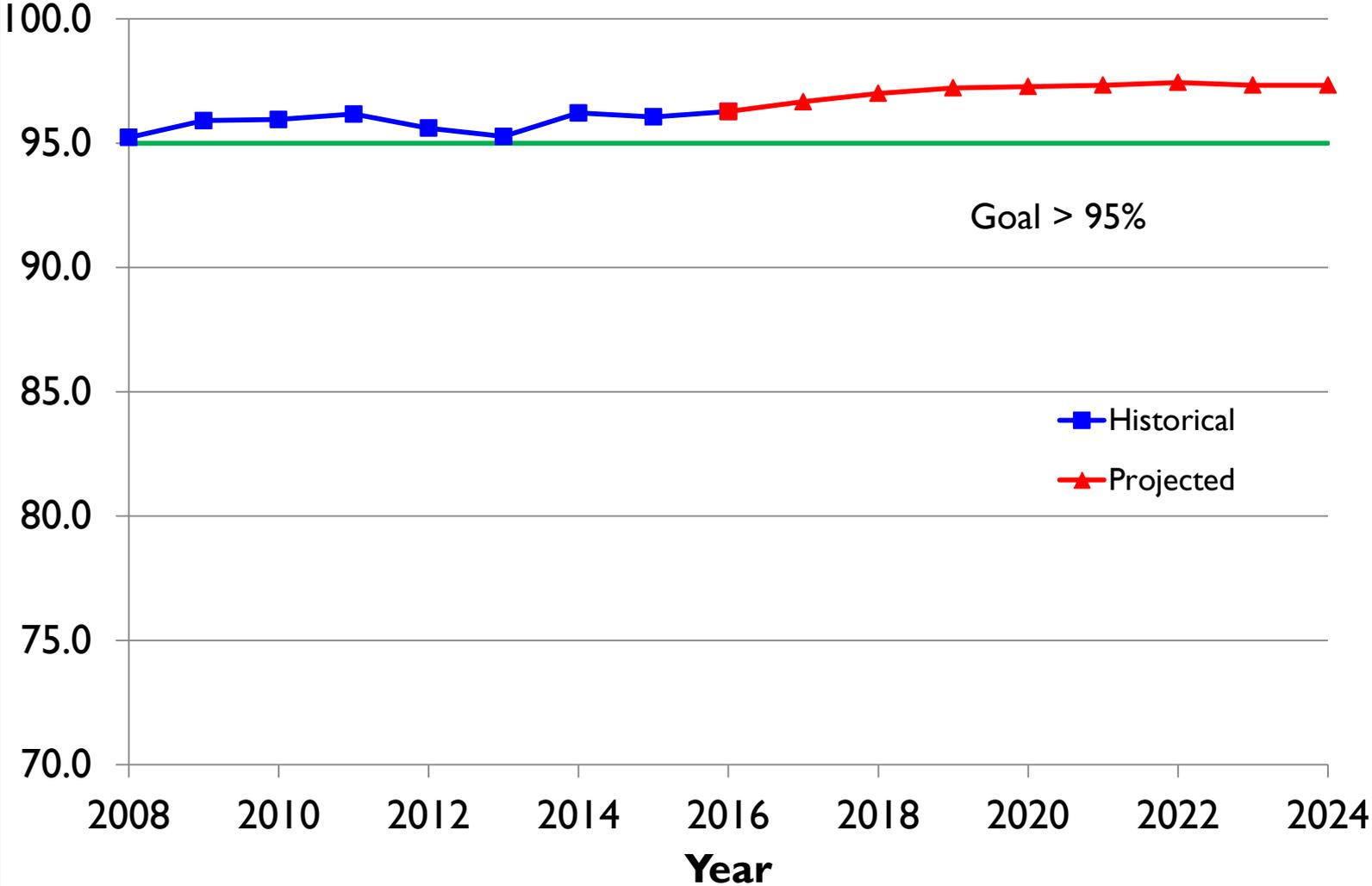
Structures Built in South Dakota by Decade



Structure Health Index



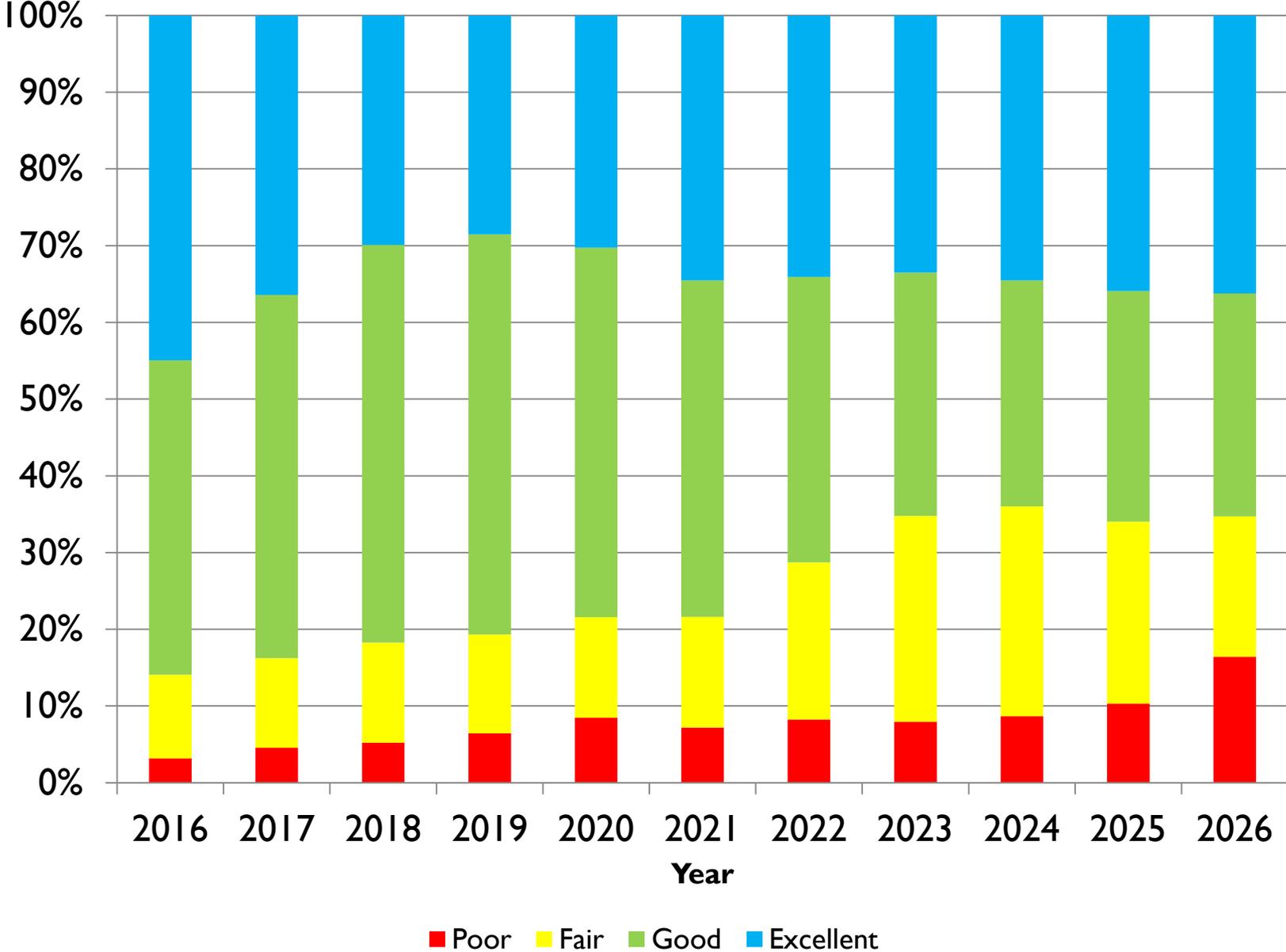
Structures in Good or Fair Condition



Pavements



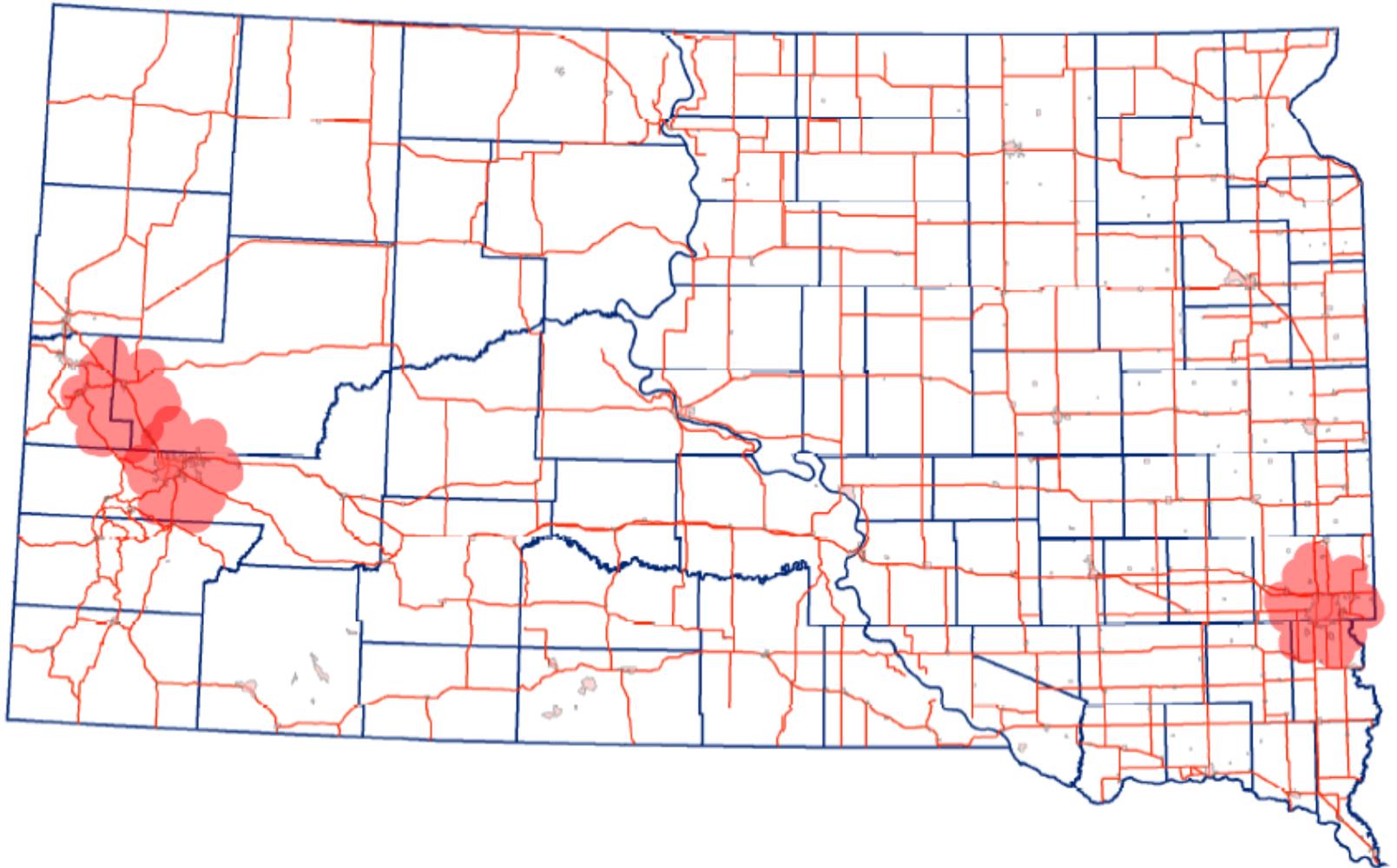
2016 Condition Distribution - Current Budget



Capacity Needs



Capacity Needs



CRASHES

aren't

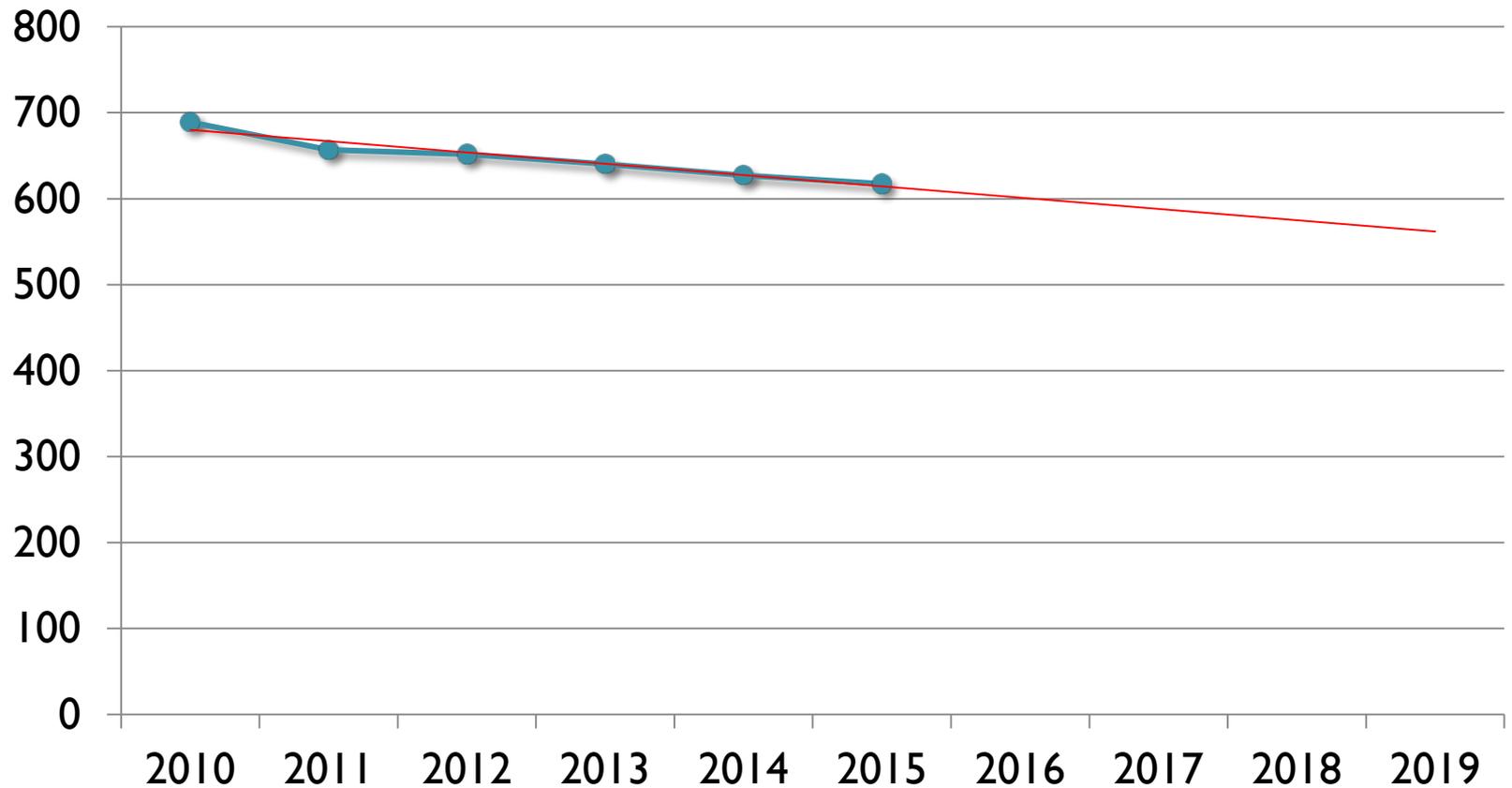
~~Accidents~~

There is Room to Live



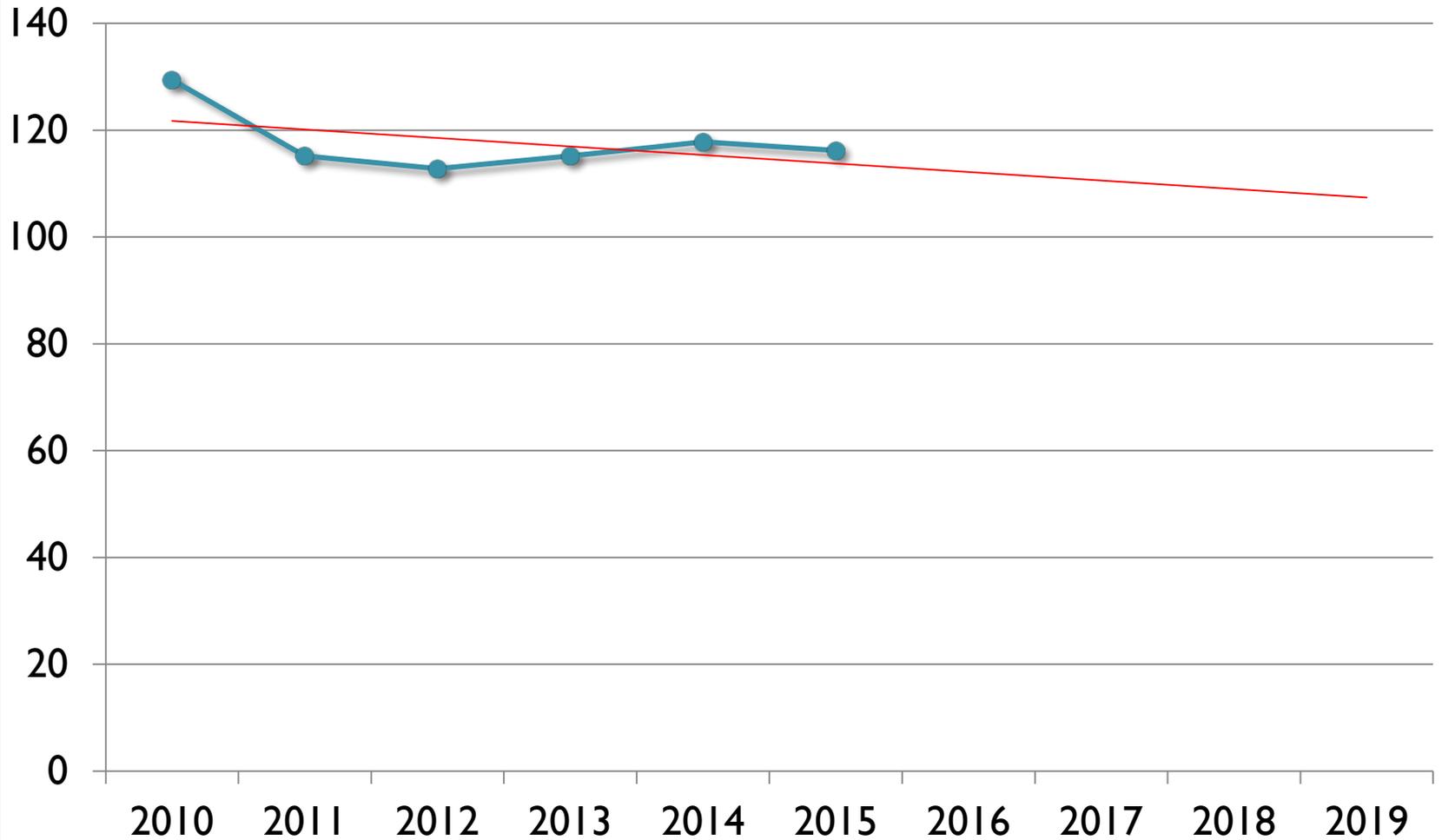
Serious Injury Crashes

Serious Injury Crashes Five Year Rolling Average



Fatal Crashes

Fatal Crashes Five Year Rolling Average



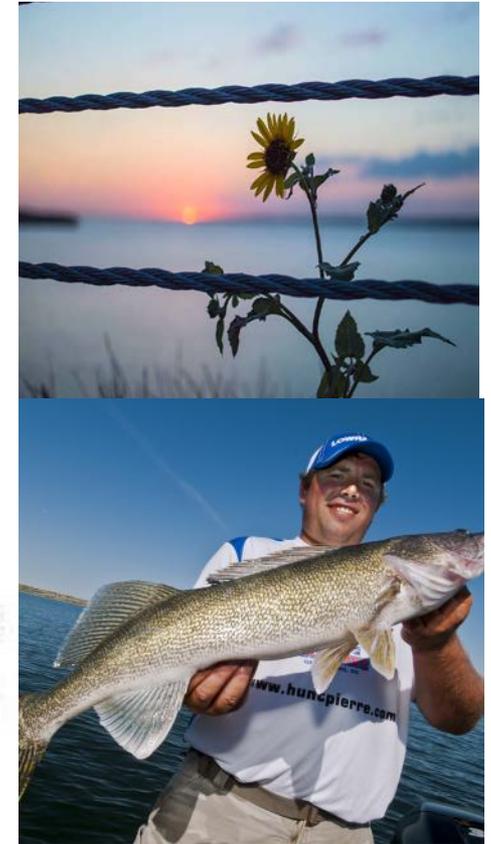
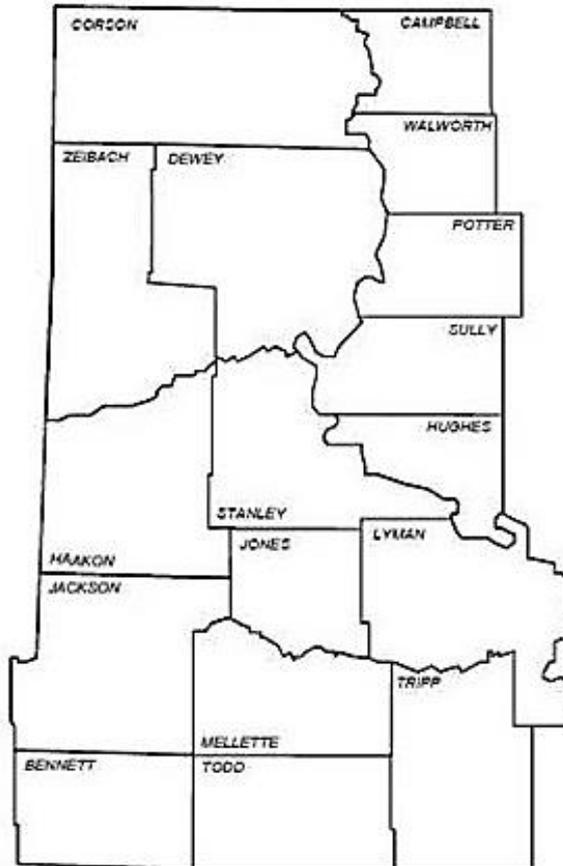


Region Projects



John Forman
Pierre Region Engineer
South Dakota DOT

2017-2020 SOUTH DAKOTA TRANSPORTATION IMPROVEMENT PROGRAM(TENTATIVE)



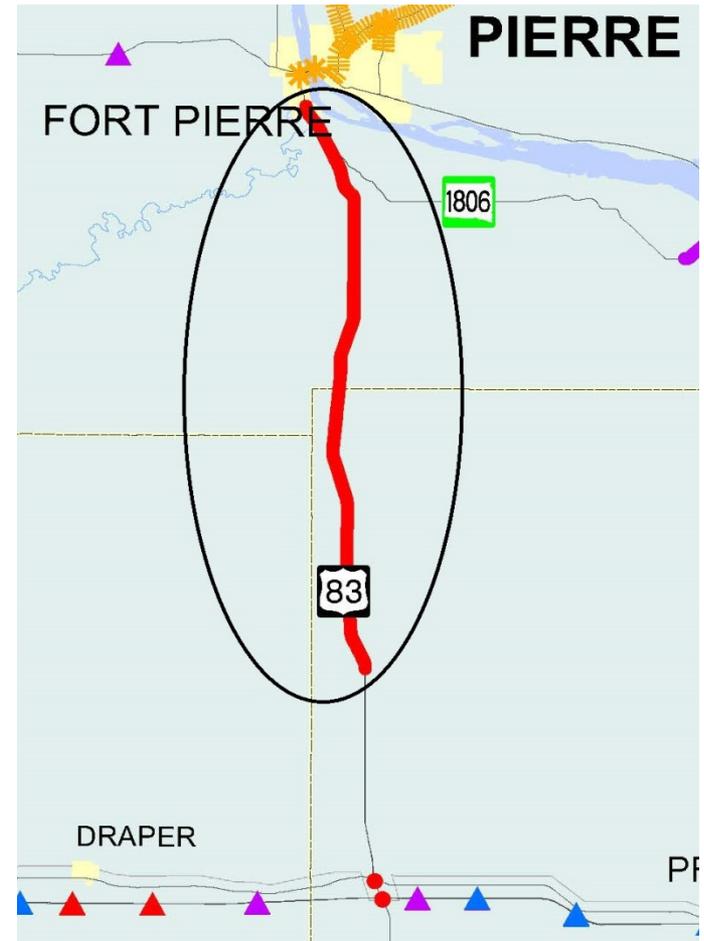
**Projects in the Pierre Region
July 14, 2016**

2016 – US83 Fm S. of the Lyman/Stanley Co line to Ft Pierre

- Mill & AC Resurf.
- Pipe Work

2017 Construction

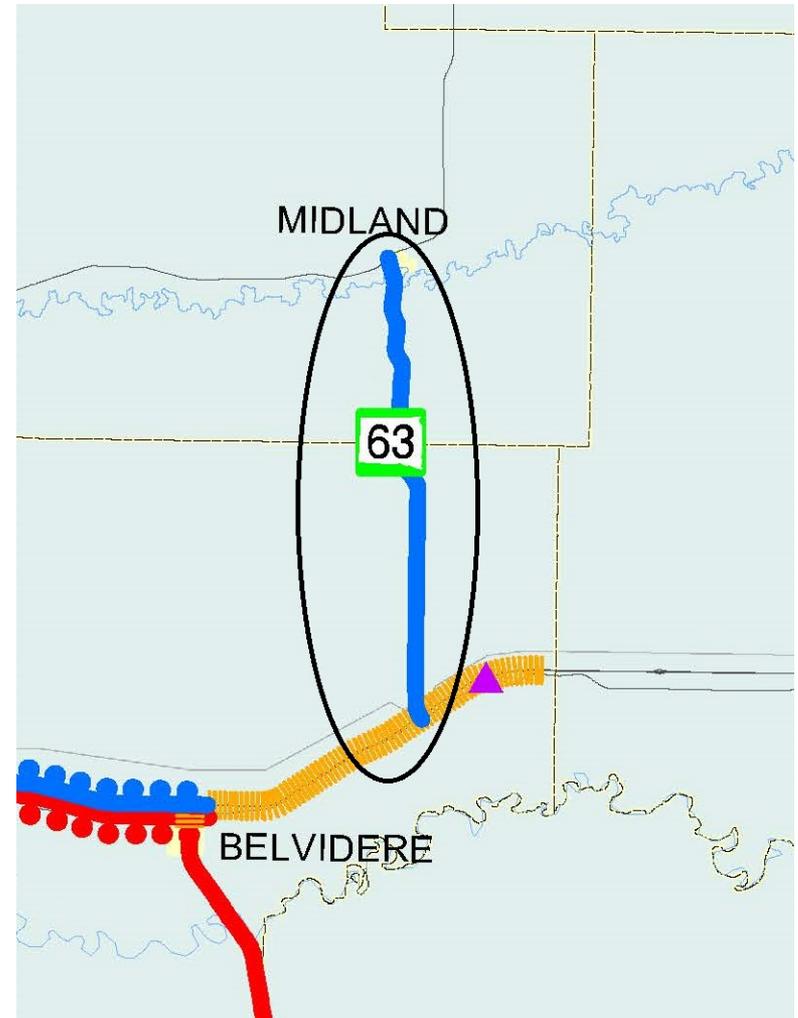
- \$15.621 Million



2017 – Item #11: SD63 from WB I90 Ramps to US14 in Midland

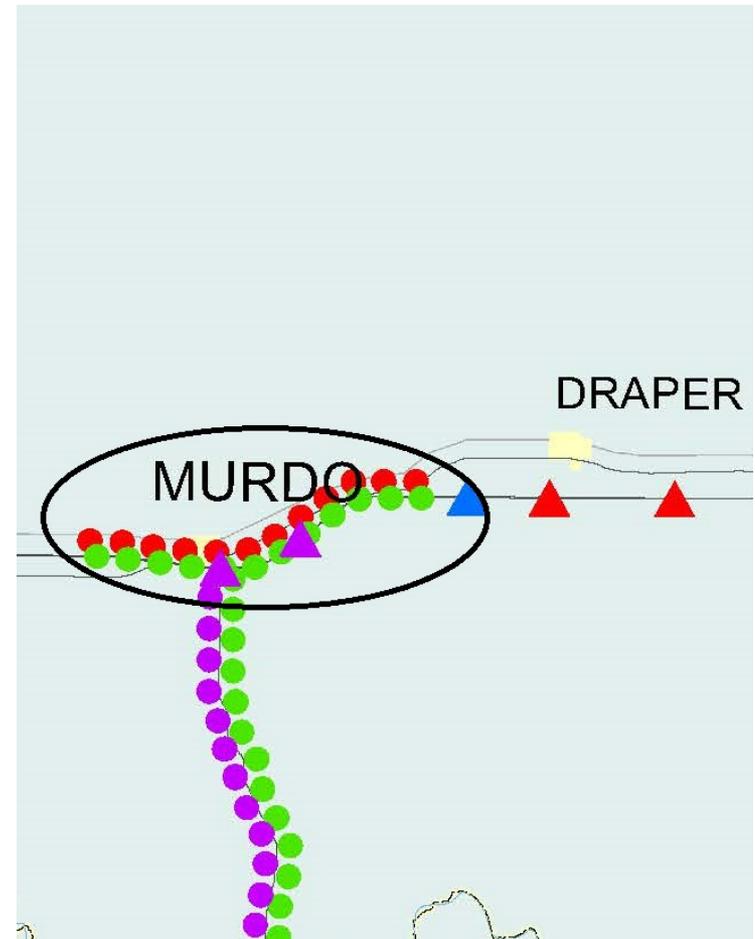
- Mill & AC Resurfacing
- Pipe Work

- \$3.671 Million

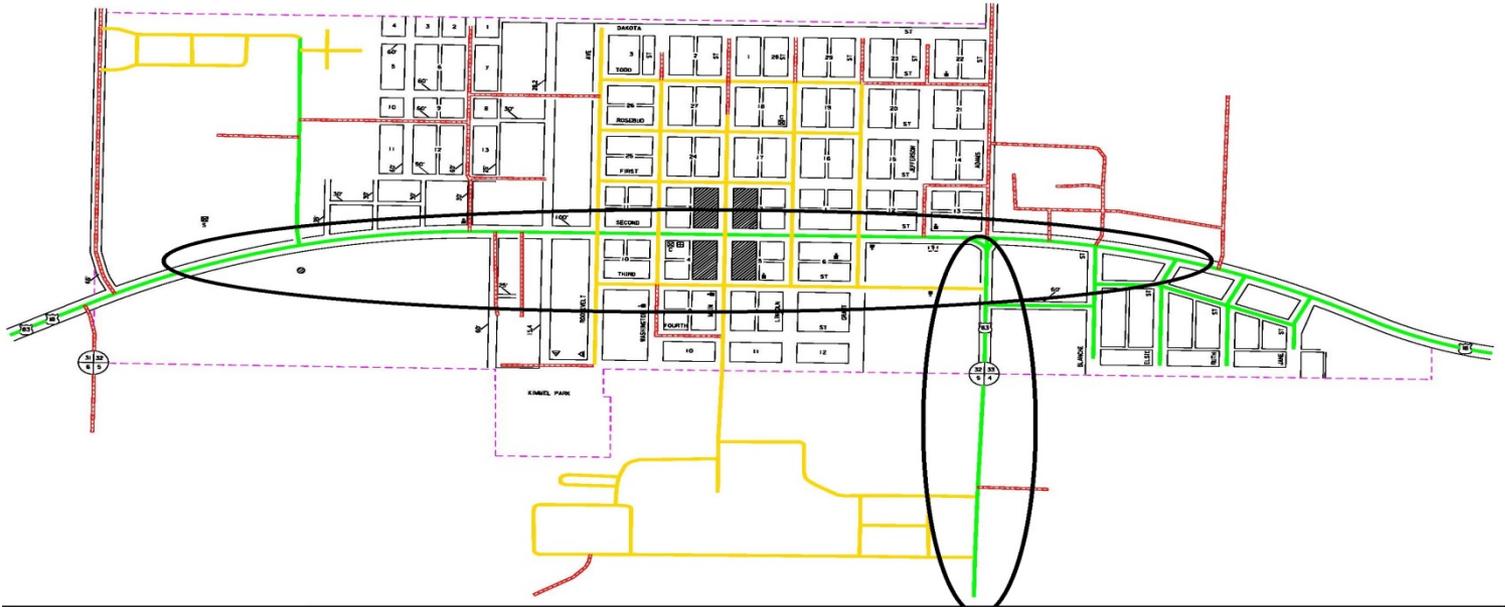


2017 – Item #21: I90E EBL fm 3 Mi. W of Murdo to 3 Mi W. of Draper

- PCC Re-surfacing
- Mill & AC Resurf of Ramps and Shoulders
- Pipe Work
- Edge Drains
- \$9.032 Million



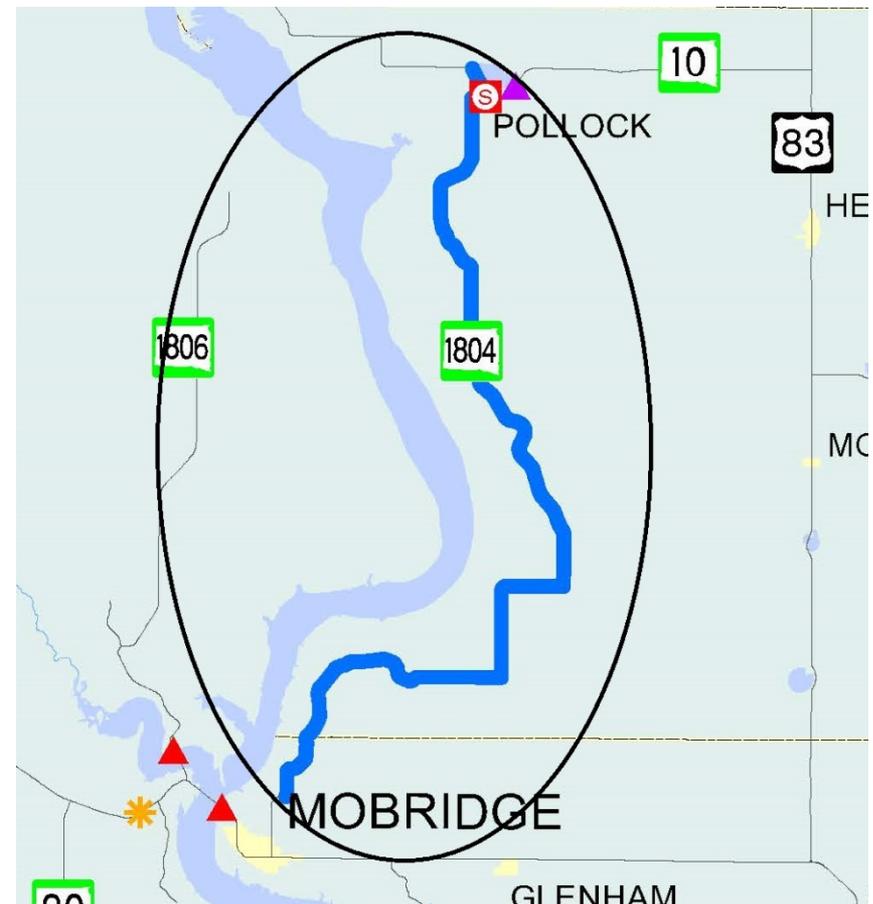
2017 – Item #28: US 18 & US83 Through Mission



- Urban Grading, PCC Surfacing, Storm Sewer, Curb and Gutter, ADA Upgrades, Sidewalks, Traffic Signals and Roadway Lighting
- \$13.482 Million

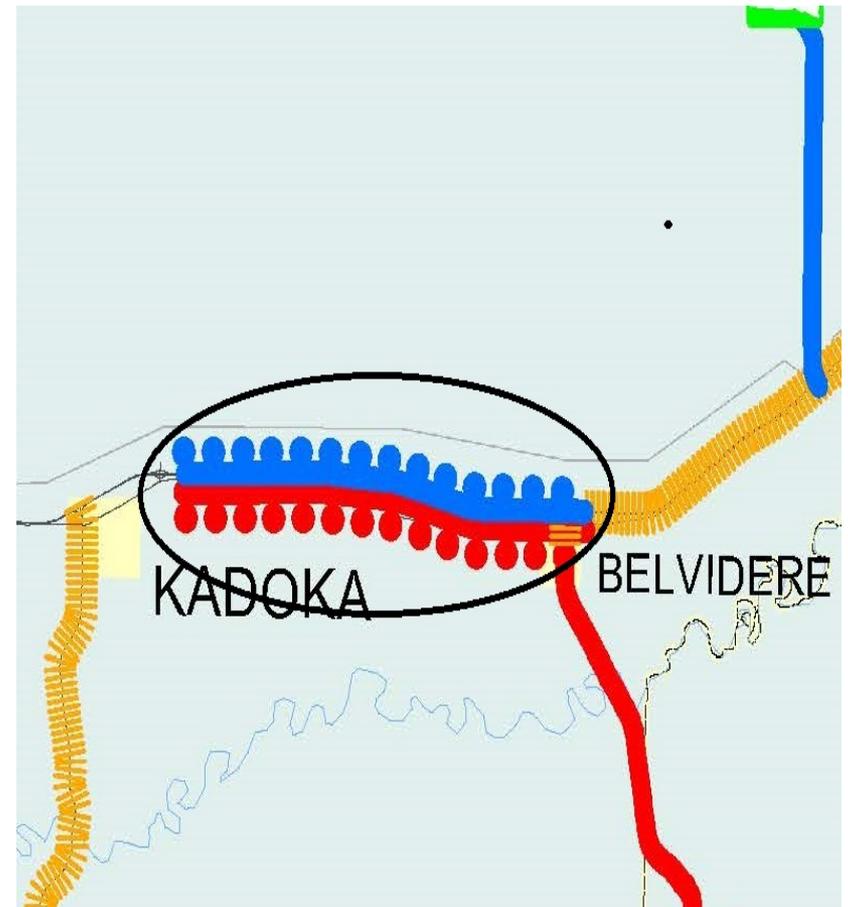
2018 – Item #58: SD 1804 from N of Mobridge to Pollock

- Mill & AC Resurfacing
- Structure Rail Retrofit
- \$7.042 Million



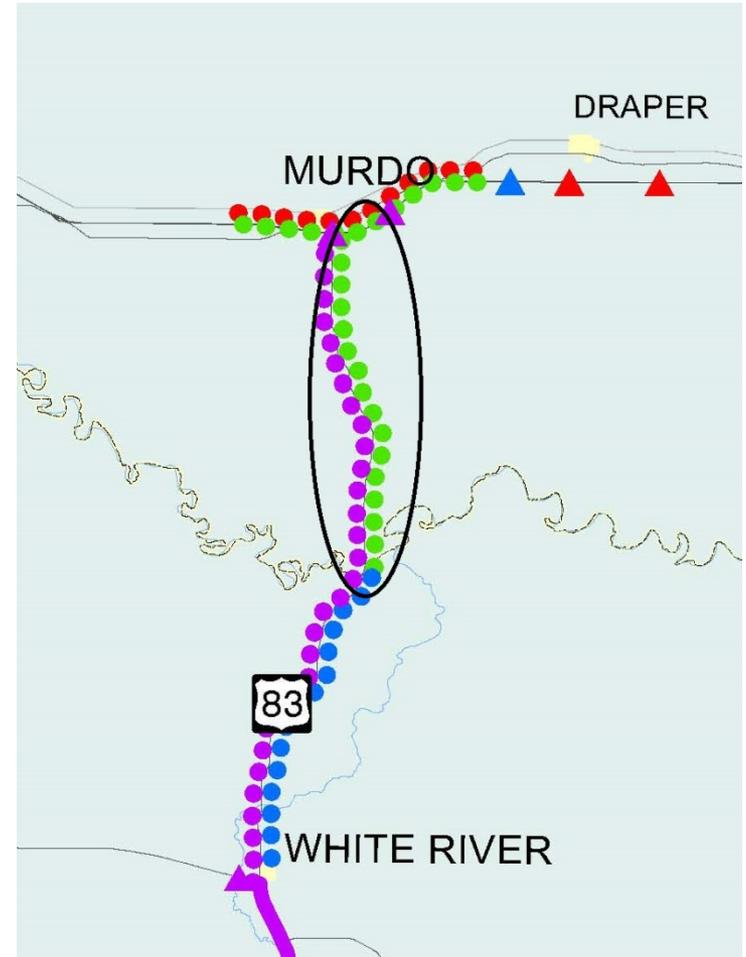
2018 – Item #66: I90W & SD73 I90 WBL fm Kadoka to Belvidere

- Remove & Replace PCC Surfacing
- Edge Drains
- Inslope Flattening
- Pipe Work
- Extend Culverts
- AC Resurfacing on SD73
- \$19.342 Million



2018 – Item 67: US83 Fm N. of Mellette/Jones Co Line to south of Murdo

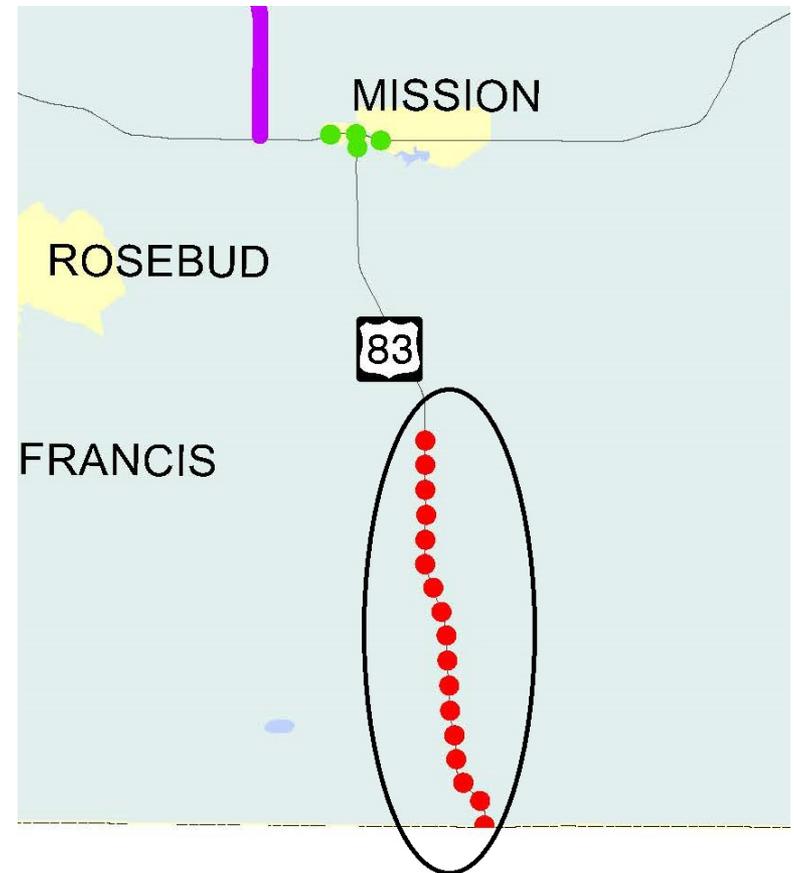
- Grading
- Replace Bridge over Horse Creek
- Interim Surfacing
- \$16.955 Million



2018 – Item #78: US83 from the Nebraska State Line to south of Mission

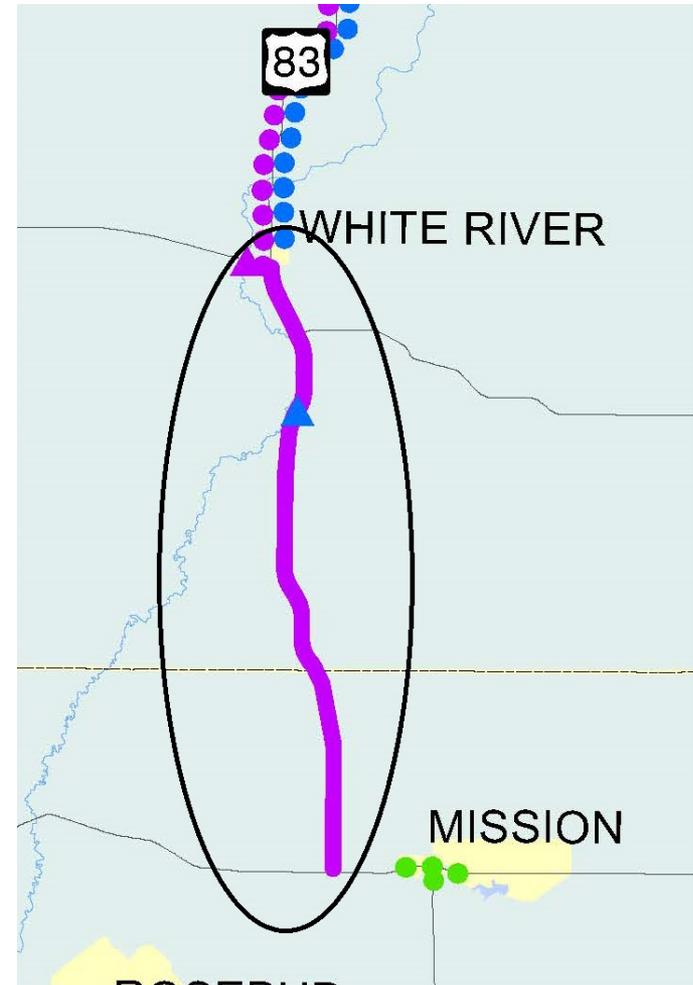
- Shoulder Widening
- Spot Grading
- AC Surfacing of Shoulders

- \$8.255 Million



2019 – Item #108: US83 from the W Jct of US18 to North Jct of SD44; US18 Fm E of Martin to White Horse

- Mill & Asphalt
Concrete Resurf.
- Drainage Improve.
- Bridge Berm Repair
- US18 – Spot AC
Resurfacing of
Shoulders
- \$8.539 Million



2019 – Item #109: US 18 From the West Jct of SD73 thru Martin to Bennett/Todd Co. Line

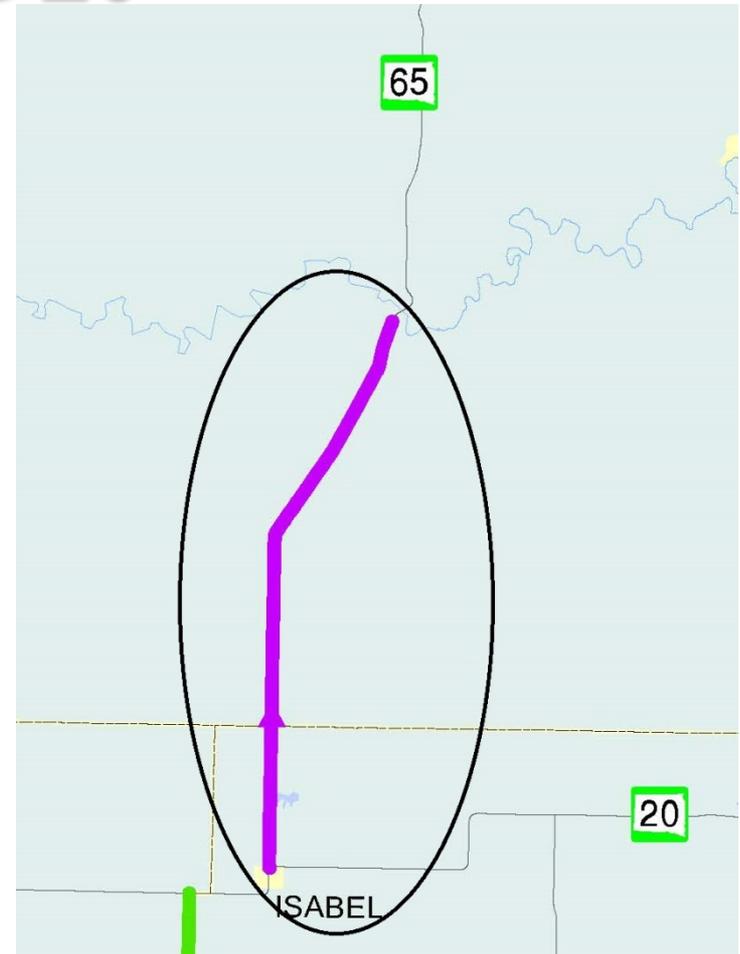
- Mill & Asphalt Conc. Resurf.
- ADA Upgrade
- Pipe Work
- \$7.190 Million



2019 – Item #113: SD65 From Isabel to the Grand River; SD65 from US212 to SD20

- Mill & Asphalt
Concrete Resurf.
- Pipe Work
- Pipe Work and
Erosion Repair

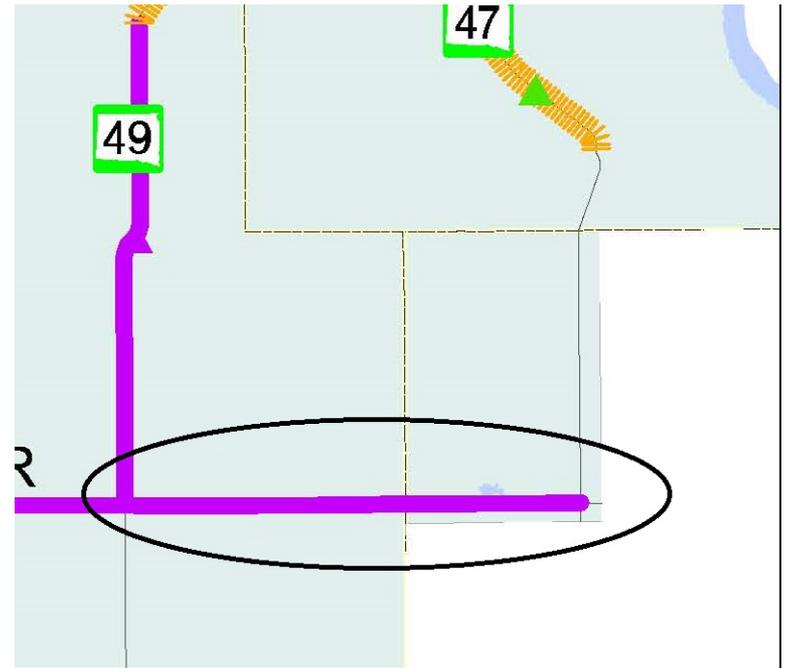
- \$5.816 Million



2019 – Item #115: SD44 from SD49 to SD47

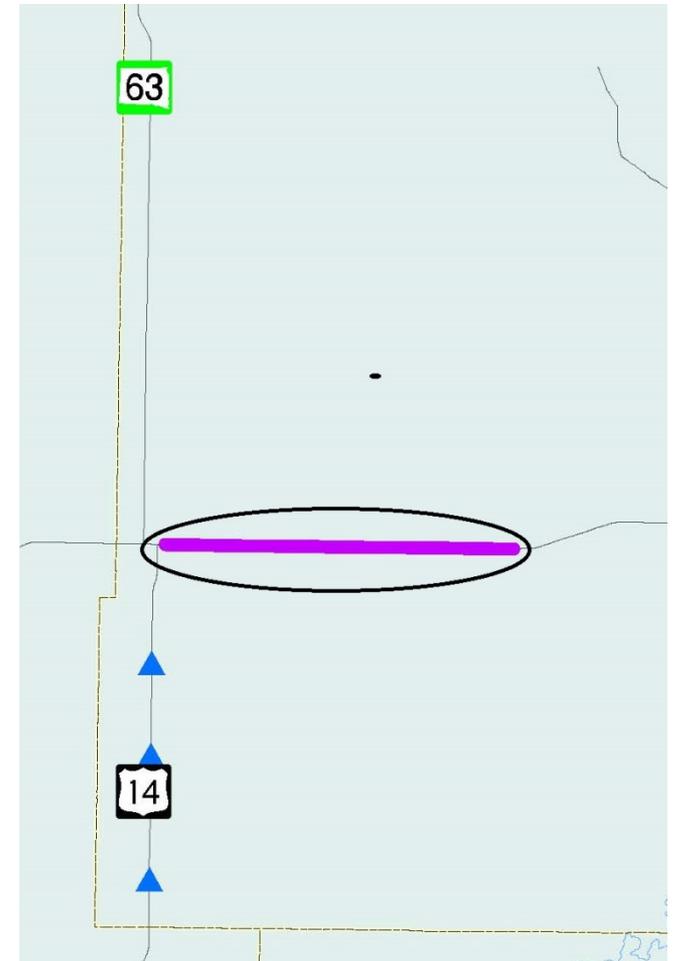
- Process in Place
- AC Resurfacing
- Pipe Work

- \$8.490 Million



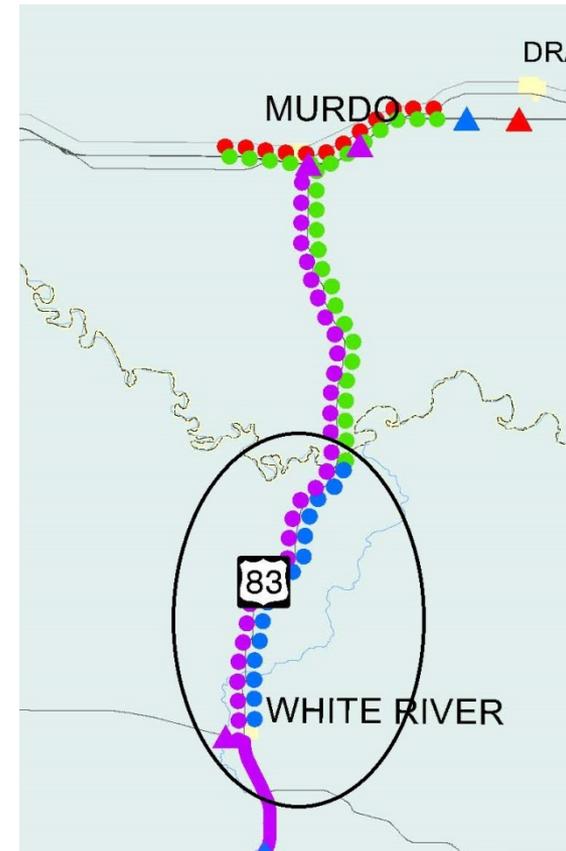
2019 – Item #116: US14 From SD34 to E of Hayes; etc.

- Mill & Asphalt
Concrete Resurf.
- Pipe Work
- Culvert Repair
- Replace RCBC Inlet
Apron
- Zone Painting
- \$5.067 Million



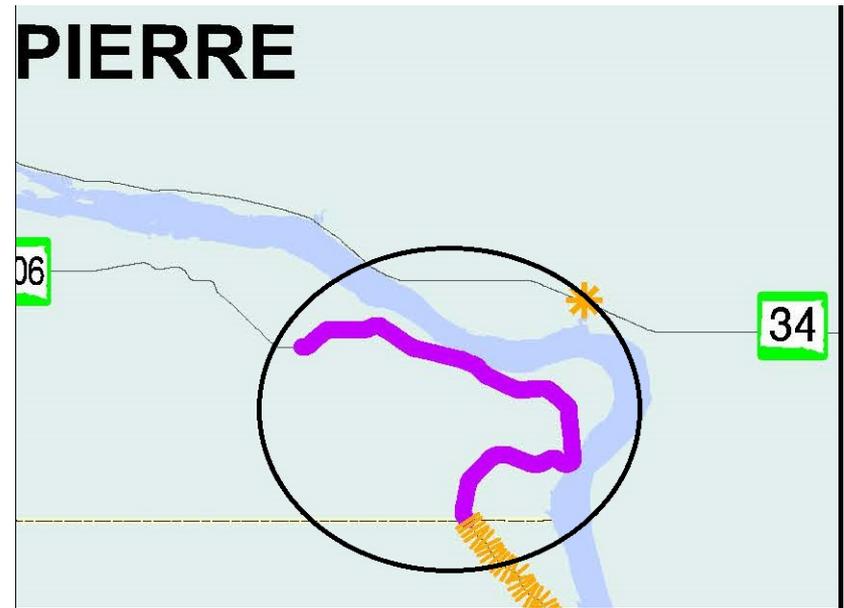
2019 – Item #122: US83 From N of White River to North of the Mellette/Jones Co Line

- Grading
- Interim Surfacing
- Structure
Replacement over
the White River &
Little White River
- \$23.507 Million



2019 – Item #128: SD I 806 From Lyman/Stanley Co Line N 14.7 mi.

- Mill & Asphalt Conc. Resurf.
- Deck Overlay
- Guardrail
- Erosion Repair



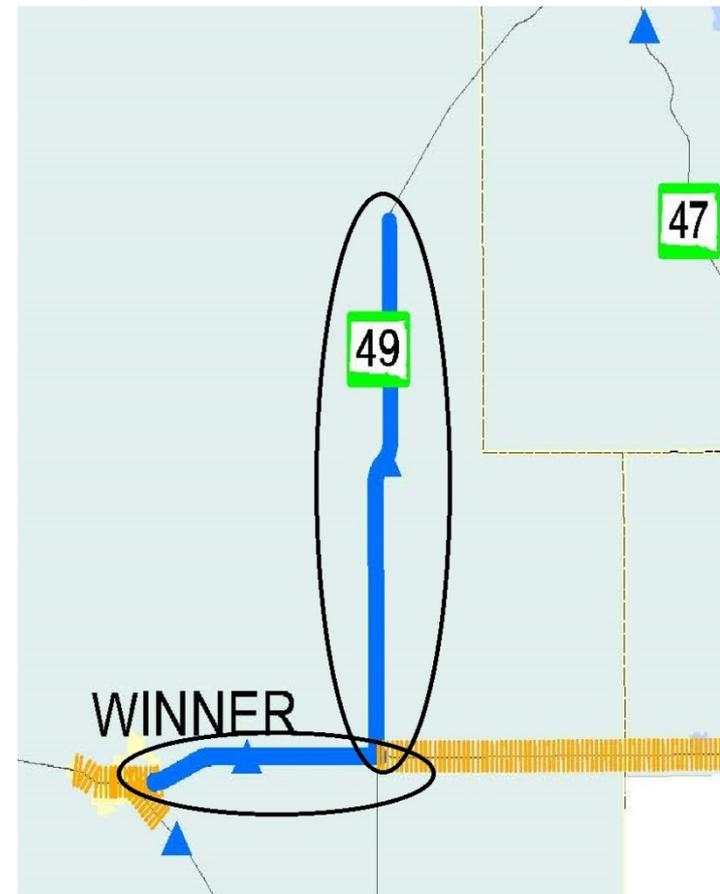
- \$6.672 Million

2019 – Item #129: SD44 & SD49

SD44 – From Winner to SD49
SD49 – From SD44 North 14 Mi.

SD44 – Process In Place, Asph. Conc. Resurf., Pipe Work
SD49 – Mill & Asph. Conc. Resurf, Pipe Work

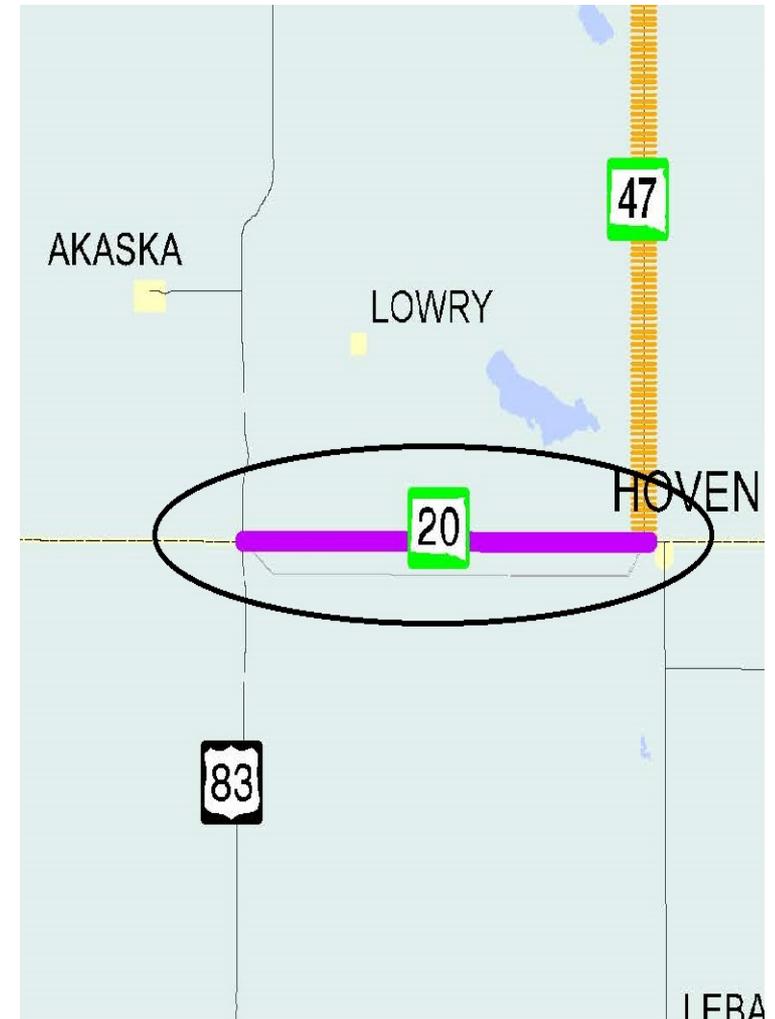
\$9.143 Million



2019 – Item #130: SD20 from US83 to Hoven

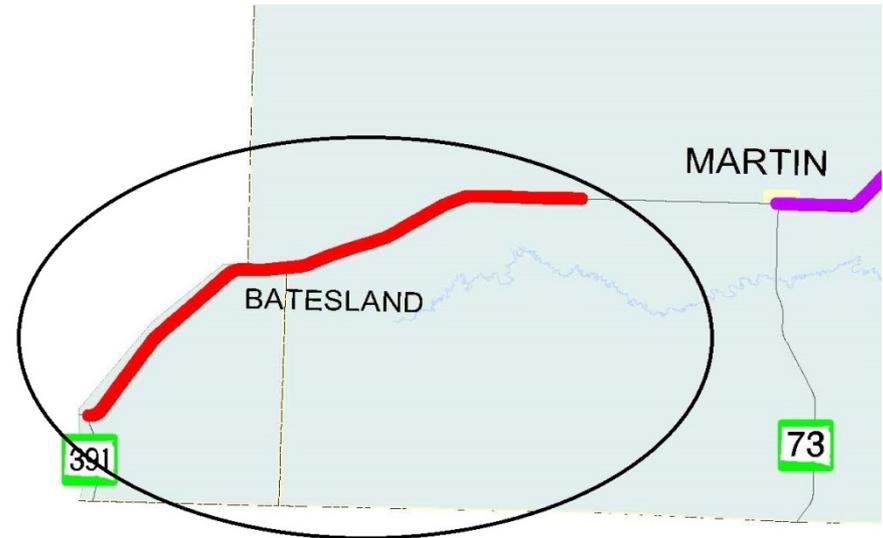
- Mill & Asphalt
Concrete Resurf.
- Pipe Work

- \$2.803 Million



2020 – Item #156: US18 fm the Jct of SD391 to West of Martin

- Mill & Asphalt Concrete Resurfacing
- Pipe Work



- \$5.963 Million

2020 – Item #157: US12- Strs. 7.9 mi. E. of Perkins Co Line & 0.2 mi W of SD65S over the BNSF railroad.

- Structure Replacement
- Approach Grading
- \$6.031 Million



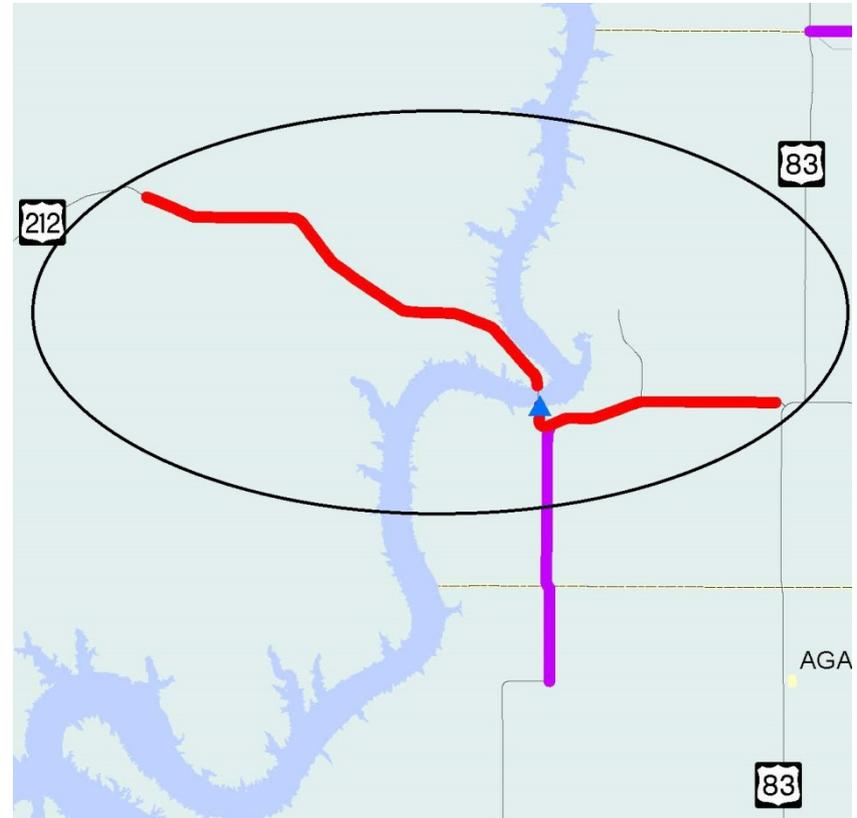
2020 – Item #158: US12 fm McLaughlin East 12 Miles

- Mill & Asphalt
Concrete
Resurfacing
- Pipe Work
- \$4.148 Million



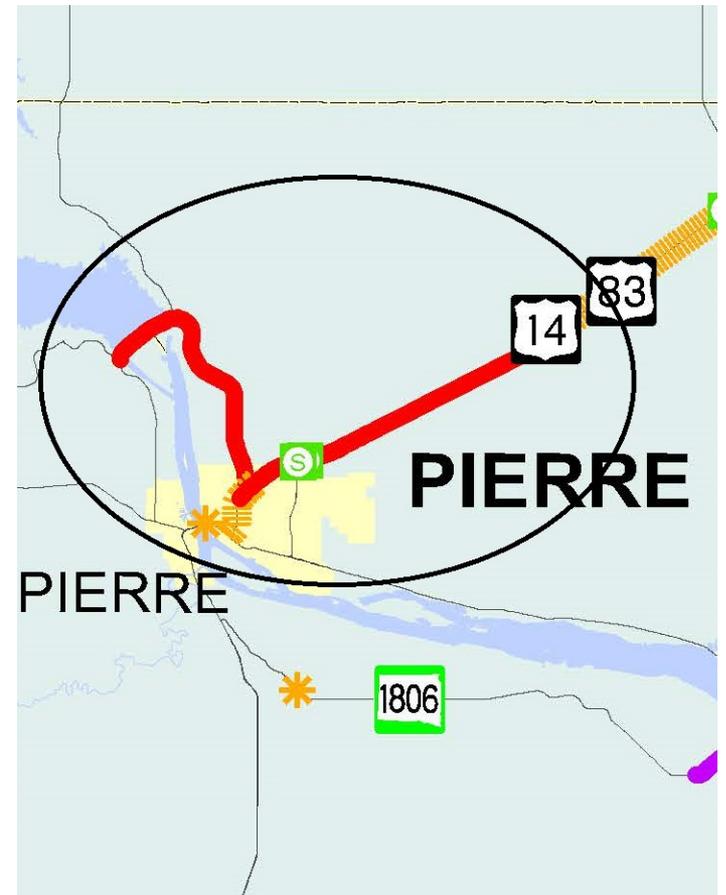
2020 – Item #159: US212 fm LaPlant to the W Jct of US83

- Mill & Asphalt
Concrete
Resurfacing
- Pipe Work
- \$8.485 Million



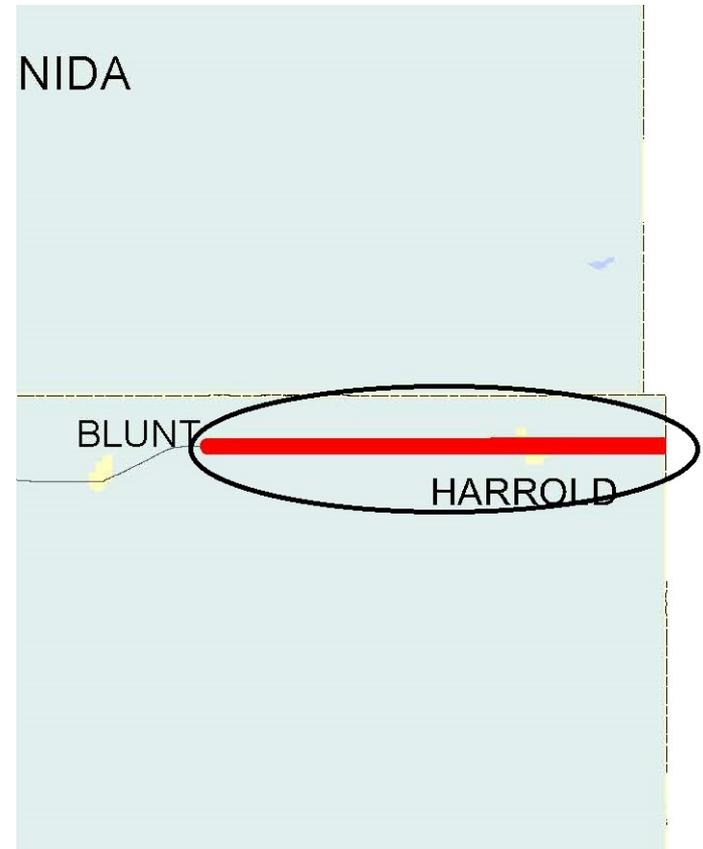
2020 – Item #160: SD 1804 fm N of US 14 to SD204; US 14 fm W of SD 1804 E 9 mi; SD204 across Oahe Dam

- Mill & Asphalt
Concrete
Resurfacing
- Pipe Work
- \$4.642 Million



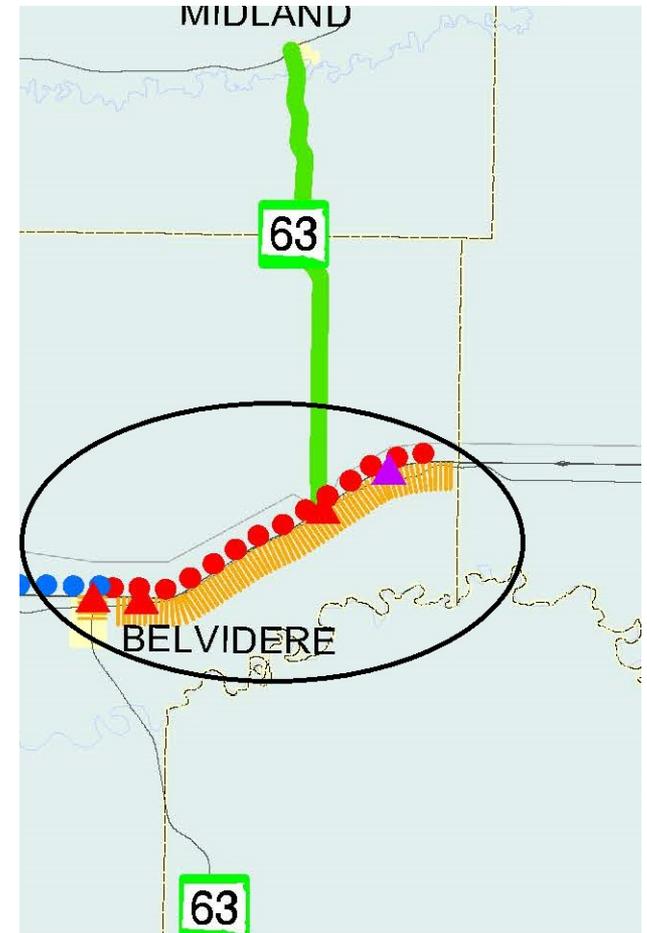
2020 – Item #161: US14 from E of Blunt to the Hughes/Hyde Co Line

- Cold In Place Recycling
- Asphalt Concrete Resurfacing
- Pipe Work
- \$5.389 Million



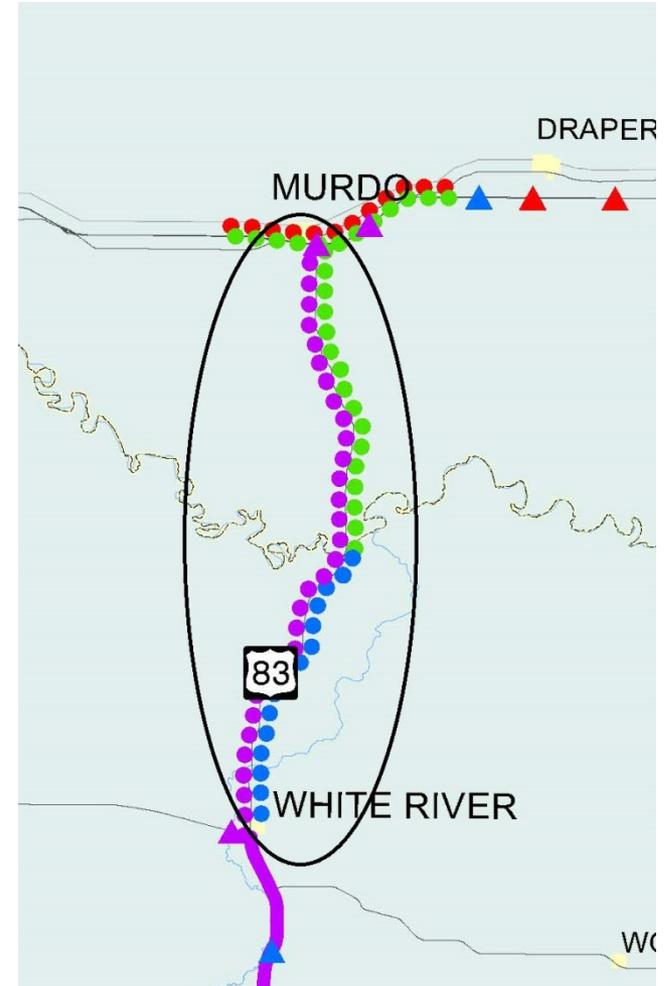
2020 – Item #162: I90 WBL fm E of Belvidere to W of the Jackson/Jones Co Line

- Subgrade Repair
- PCC Surfacing
- AC Resurfacing of Rest Area
- Pipe Work
- \$17.613 Million



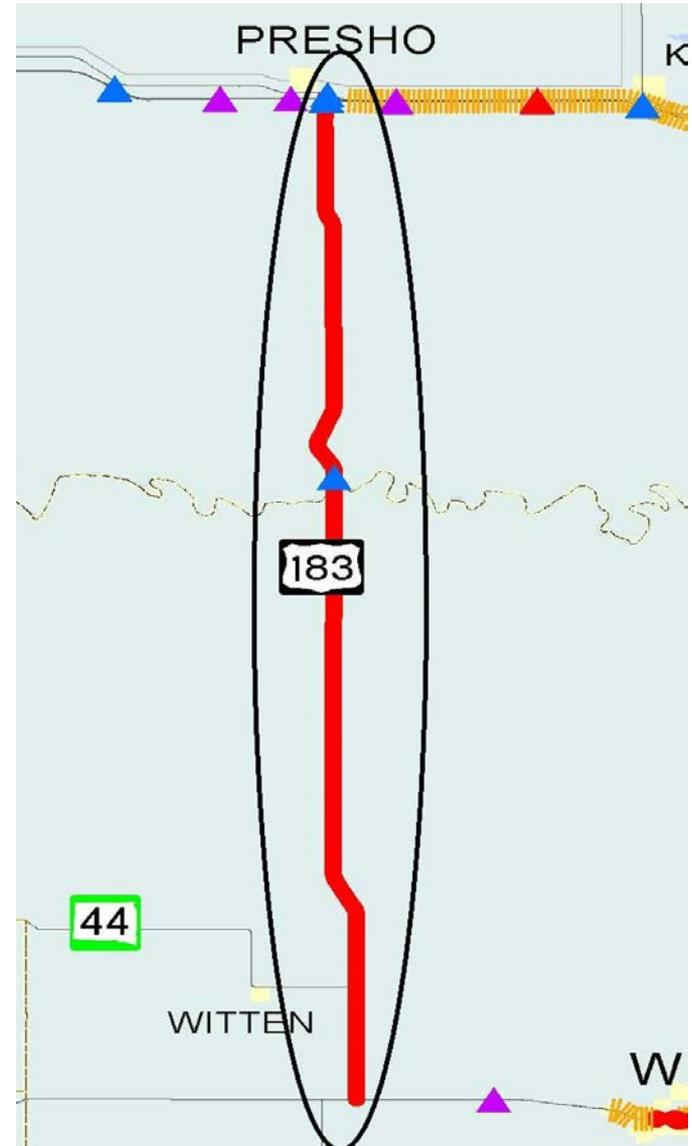
2020 – Item #167: US83 From White River to S. of Murdo

- Asphalt Concrete Surfacing
- ADA Upgrades
- \$15.416 Million



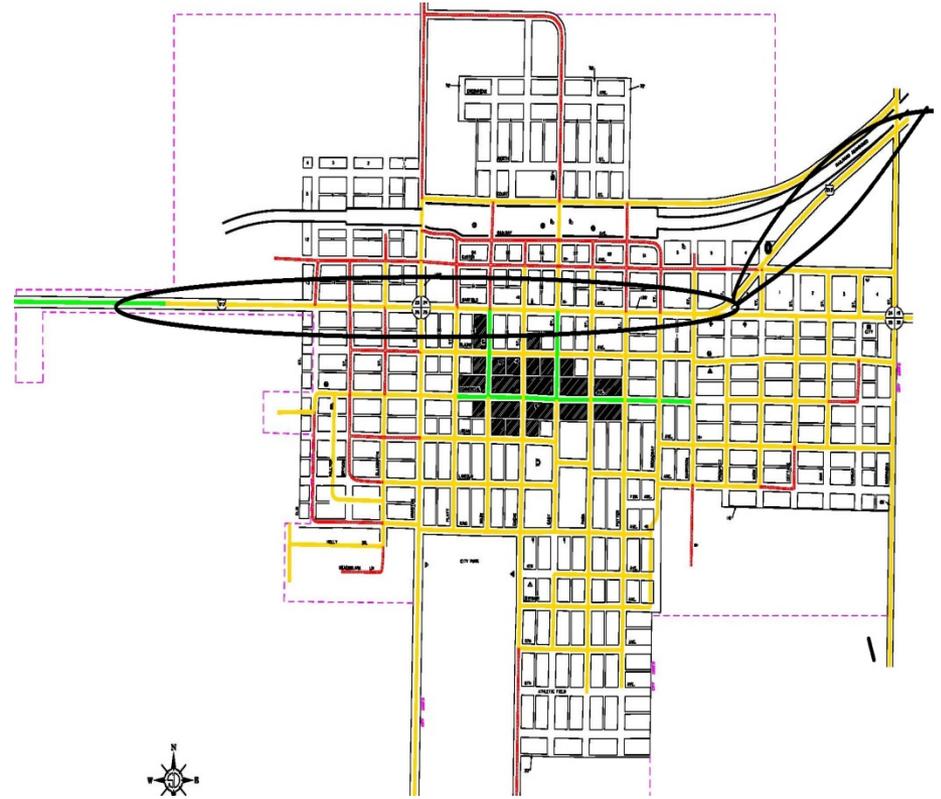
2020 – Item #168: US183 fm US18 to 190

- Mill & Asphalt Concrete Resurfacing
- Pipe Work
- \$15.725 Million



2020 – Item #171: US212 through Gettysburg

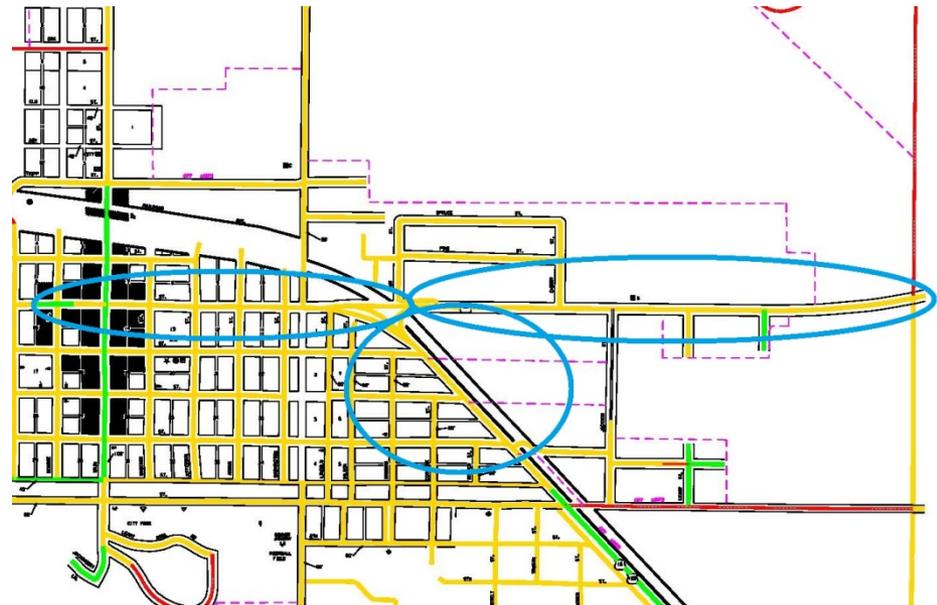
- Urban Grading
- PCC Surfacing
- ADA Upgrades
- Storm Sewer
- Roadway Lighting



- \$9.672 Million

2020 – Item #174: US 18 fm W of Monroe St to 7th St in Winner; SD44 fm Jct of US 18 E to Plum St

- Urban Reconstruction
- PCC Surfacing
- Intersection Improvement
- \$6.173 Million





Thank You!

Questions concerning these or other projects will be taken at the conclusion of this presentation.

Payload



Payload

- 2014 – \$29.9 Billion of Domestic Outbound shipments
 - \$16.3 Billion was trucked
- 2015 – 9.3 Billion Vehicle Miles traveled throughout the state
 - 6.3 Billion Vehicle Miles traveled on State Highways

Customer Satisfaction Survey

- Maintenance
 - Maintaining Surfaces
 - Winter Operations
 - Maintaining Bridges
- Design
 - Smoothness of rural 2 lane highways
 - Adequacy of shoulders - rural 2 lane highway
 - Condition of Bridges
 - Smoothness of interstate / 4 lane highways

Customer Satisfaction Survey

- Information

- Provide traveler information (511, Safe travel, camera images)
- Accurate Information
- Easy / accessible information



- Top 5 Priorities

- Repairing/maintaining existing highways
- Adding turning/passing lanes to highways
- Adding shoulders to highways
- Expanding transportation services for seniors
- Relieving traffic congestions in the cities

Delivering the Payload

FY 2017 Program by Facility

Excluding Planning Funds

