

2025 State of the Structures

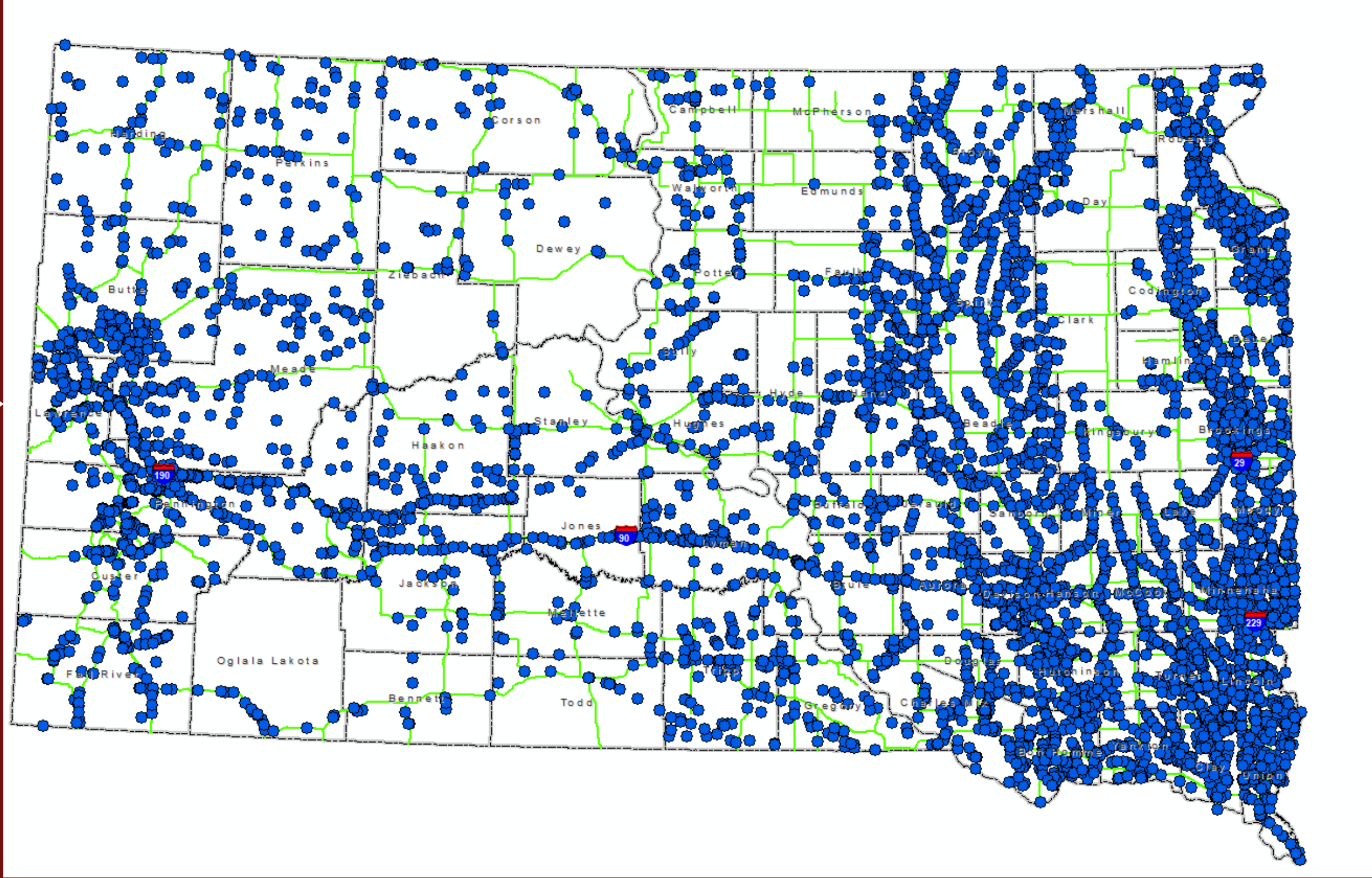


SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION

Steve Johnson PE, Chief Bridge Engineer

Joanne Hight, Administration Program Manager

Structures in South Dakota



STATE STRUCTURES

1,844 Total Structures

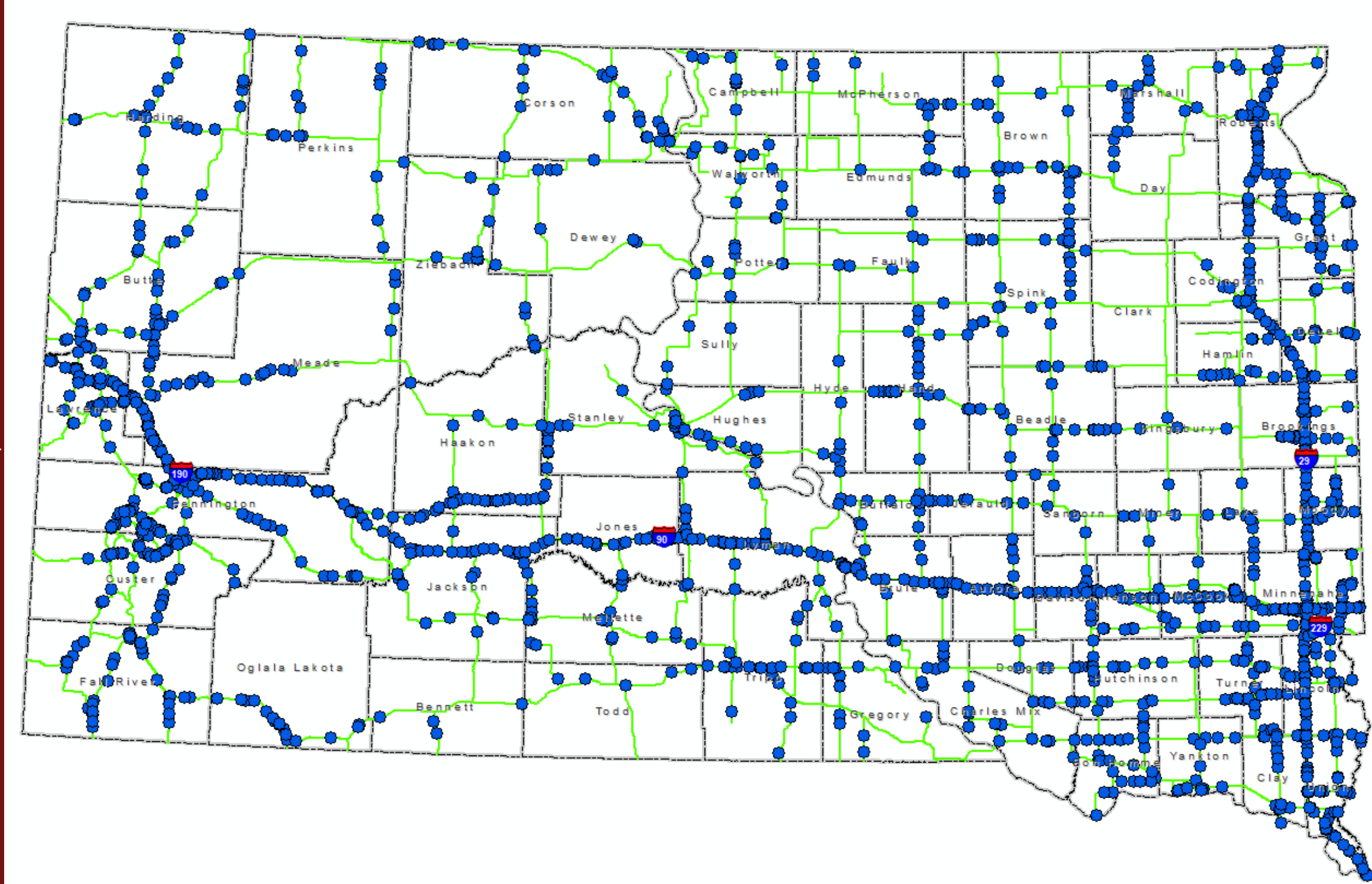
1824 SDDOT & 20 SDGF&P

1260 Bridges

584 Culverts

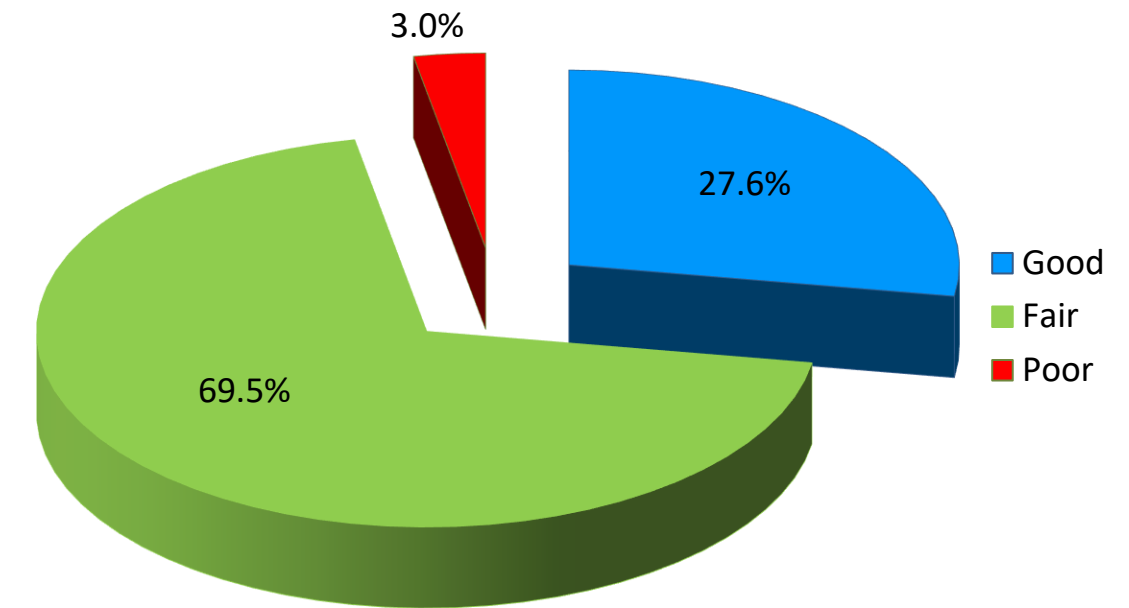


State Highway Structures

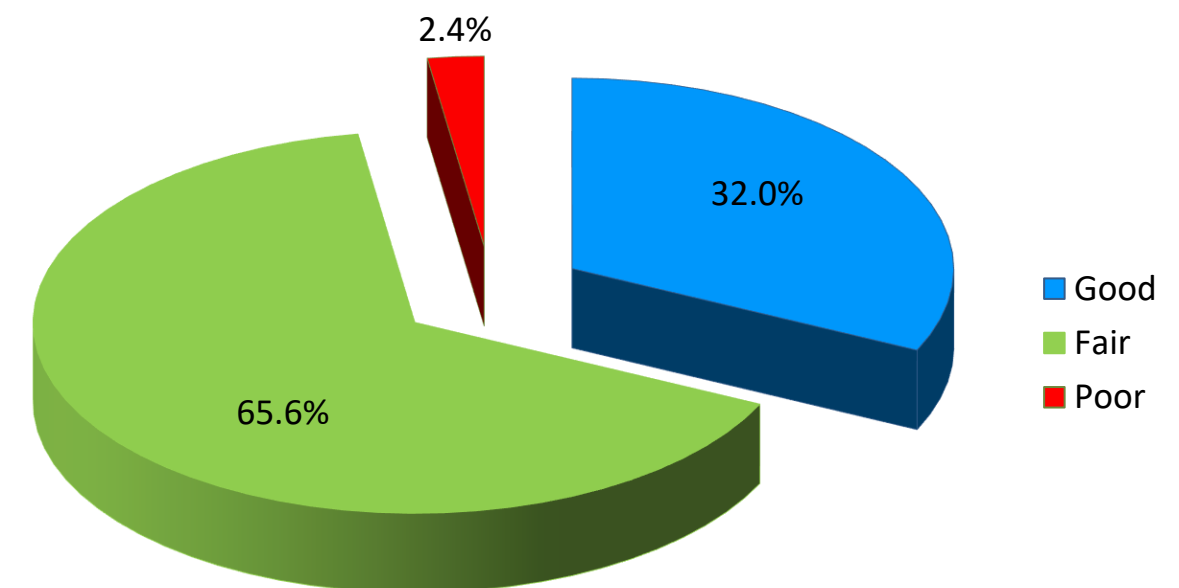




**2025 Condition of State owned Structures
(as a percentage of deck area)**

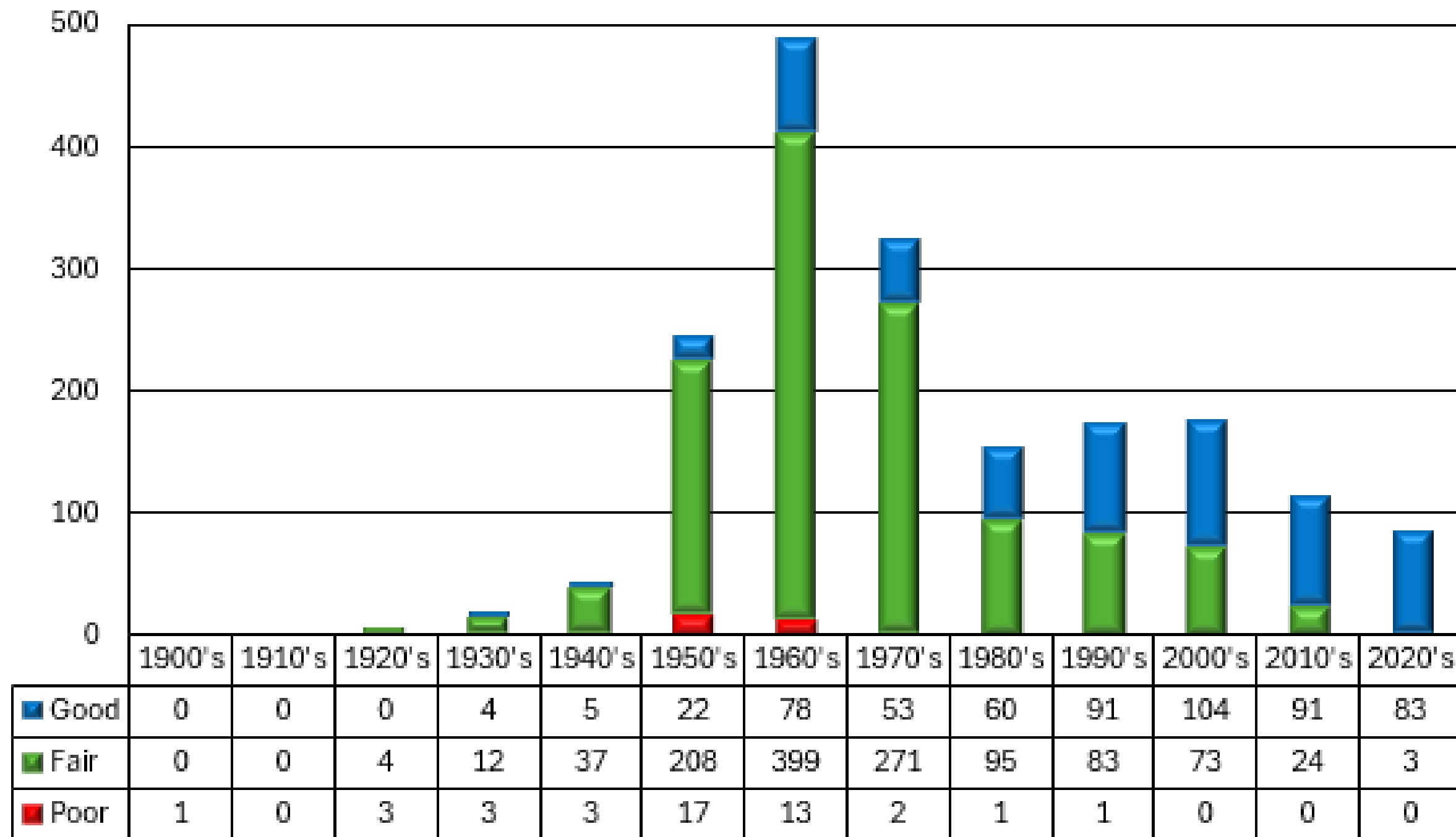


**2025 Condition of State owned Structures
(as a percentage of total structures)**



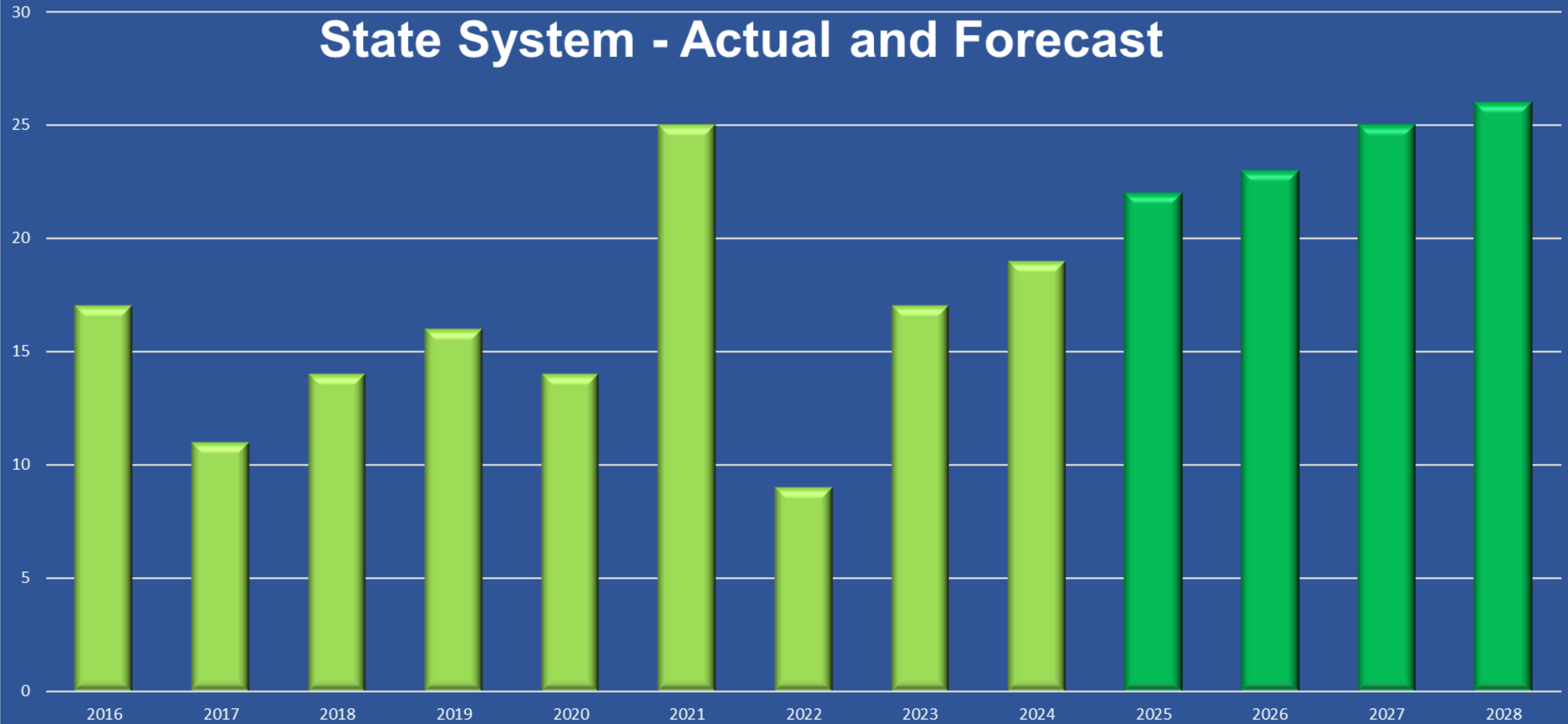
The Average State-owned Structure in South Dakota is 47 years old
58% of state-owned bridges are at least 50 years old
National average bridge age is 47 years old

State Structures by Decade of Original Construction



■ Poor ■ Fair ■ Good

Number of New Structures Constructed on the State System - Actual and Forecast



Major Bridge Project *In the Works:*

Platte-Winner Bridge on SD44

FY 2026

\$250 Million

Final Plans Complete



Major Bridge Project *In the Works:*

Deadwood “Box”

2029 Letting

\$50 Million

Route Location Study
& Design Underway



Major Bridge Project *In the Works:*

US 212 over Missouri
near Forest City

2032 Letting

\$400 Million

Route Location Study
Underway



Major Bridge Project *In the Works:*

US 12 over the Missouri River along with a BNSF Crossing in Mobridge

FY 2034

\$313 Million

Study to begin soon



**Major Bridge Project *In
the Works:***

**I90 over the Missouri
River near Chamberlain**

FY 2038

\$298 Million

Long Range Planning



Major Bridge Project *In the Works:*

SD 1806 over the Grand River (Singing Bridge)

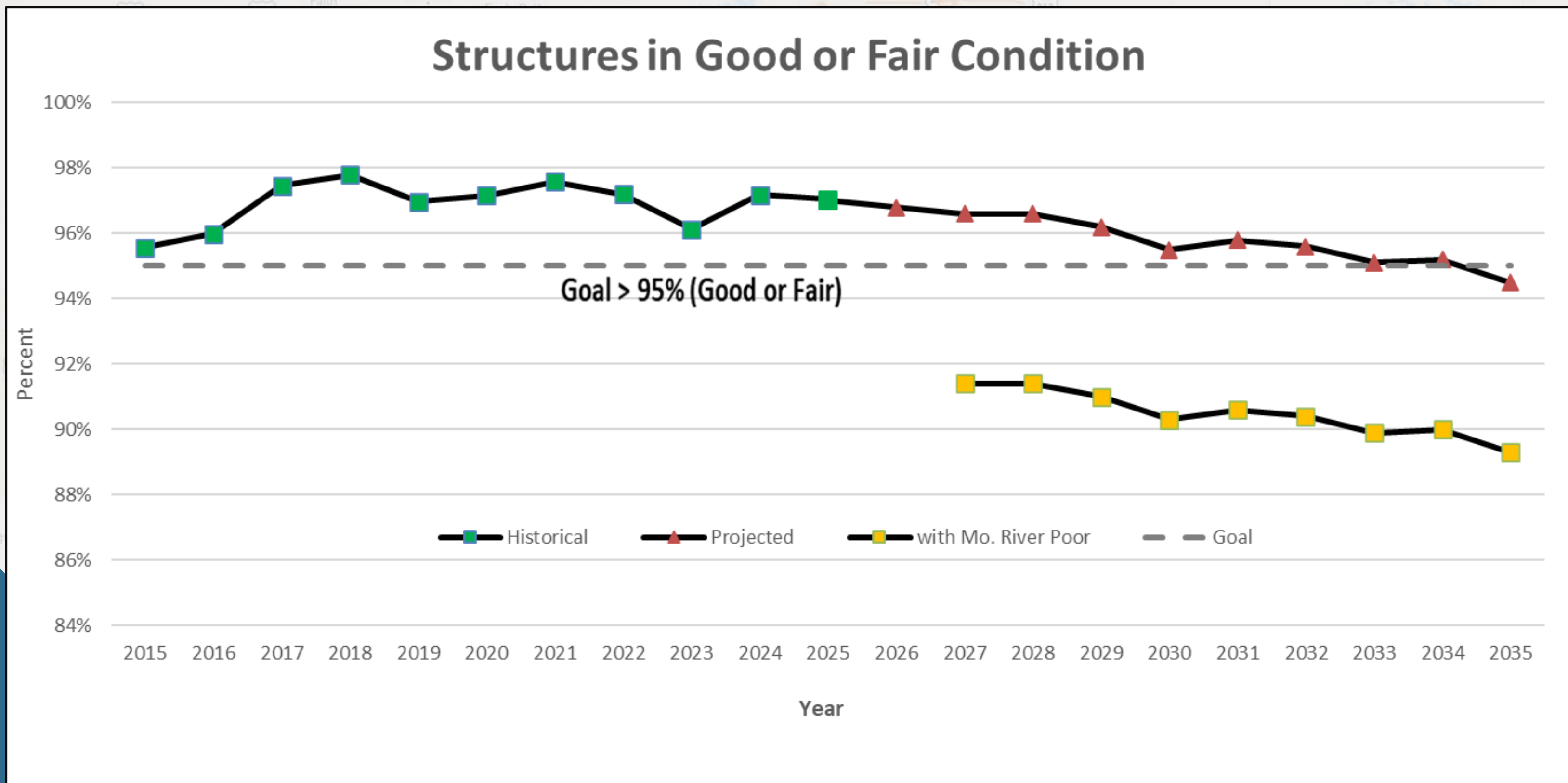
FY2039

\$218 Million

Long Range Planning



Historical & Projected Condition – Including if 4 Missouri River Bridges are Poor



FUNDING FOR STATE STRUCTURES

▶ STATE FUNDS

Fuel Tax & Excise Tax

- Match for federal funds
- Structure maintenance

▶ FEDERAL FUNDS

Federal legislation-IIJA

- Bridge Formula Funds
- Highway Infrastructure Program (HIP) funds
- Competitive Bridge Grants

Local Government Inventory

Total Structures – 3,919

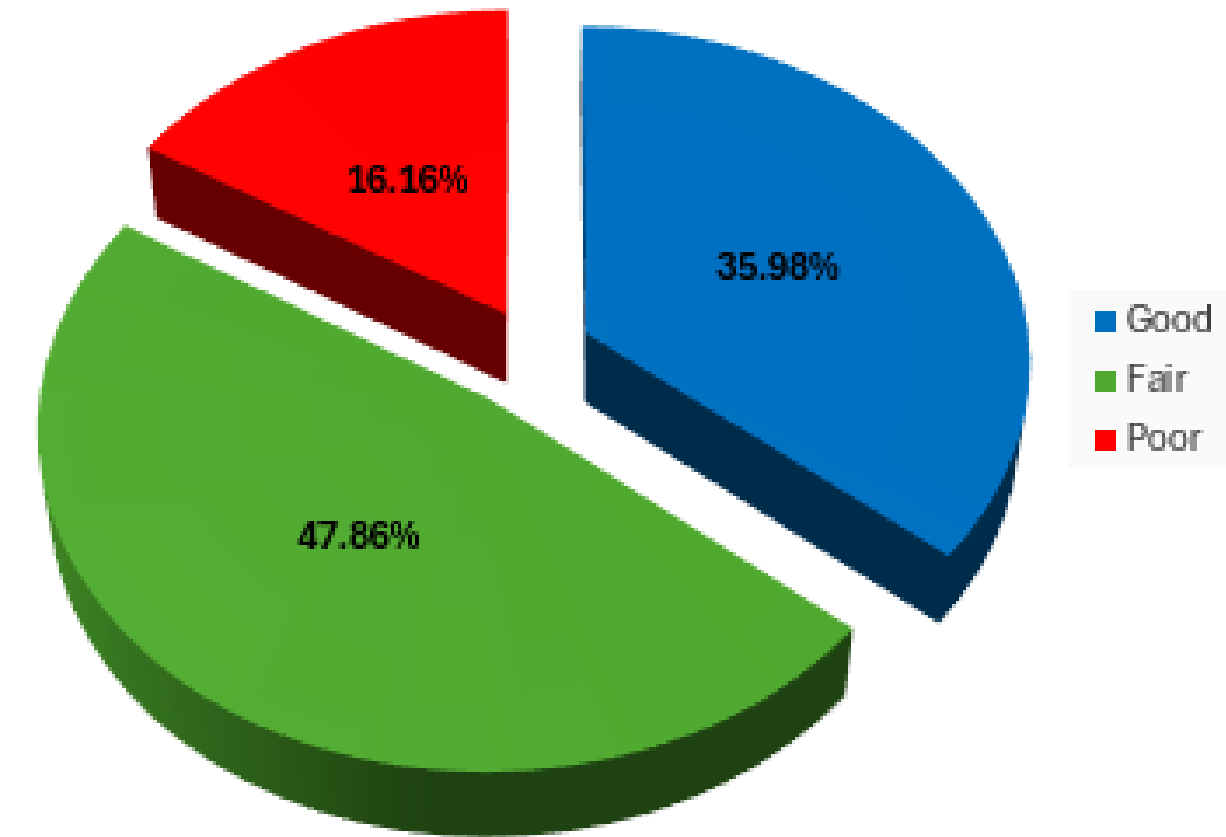
- County – 3,661
- City - 186
- Town – 72



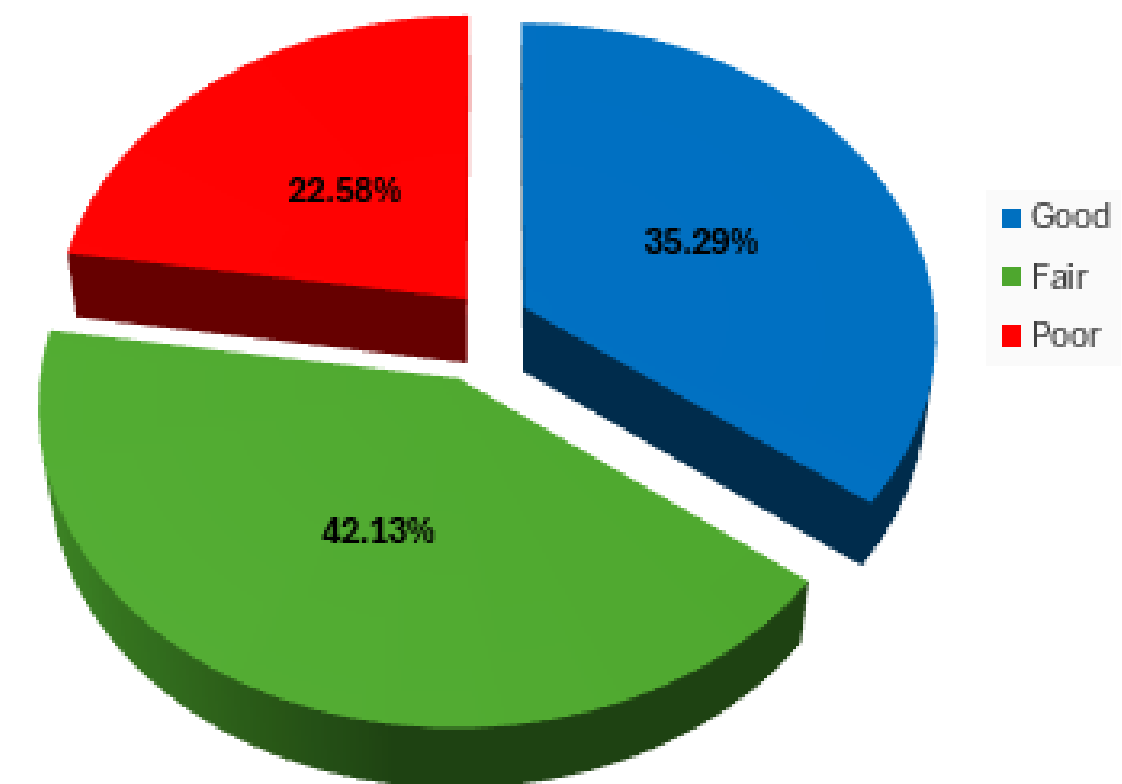




2025 Condition of Local Owned Structures
(as a percentage of deck area)

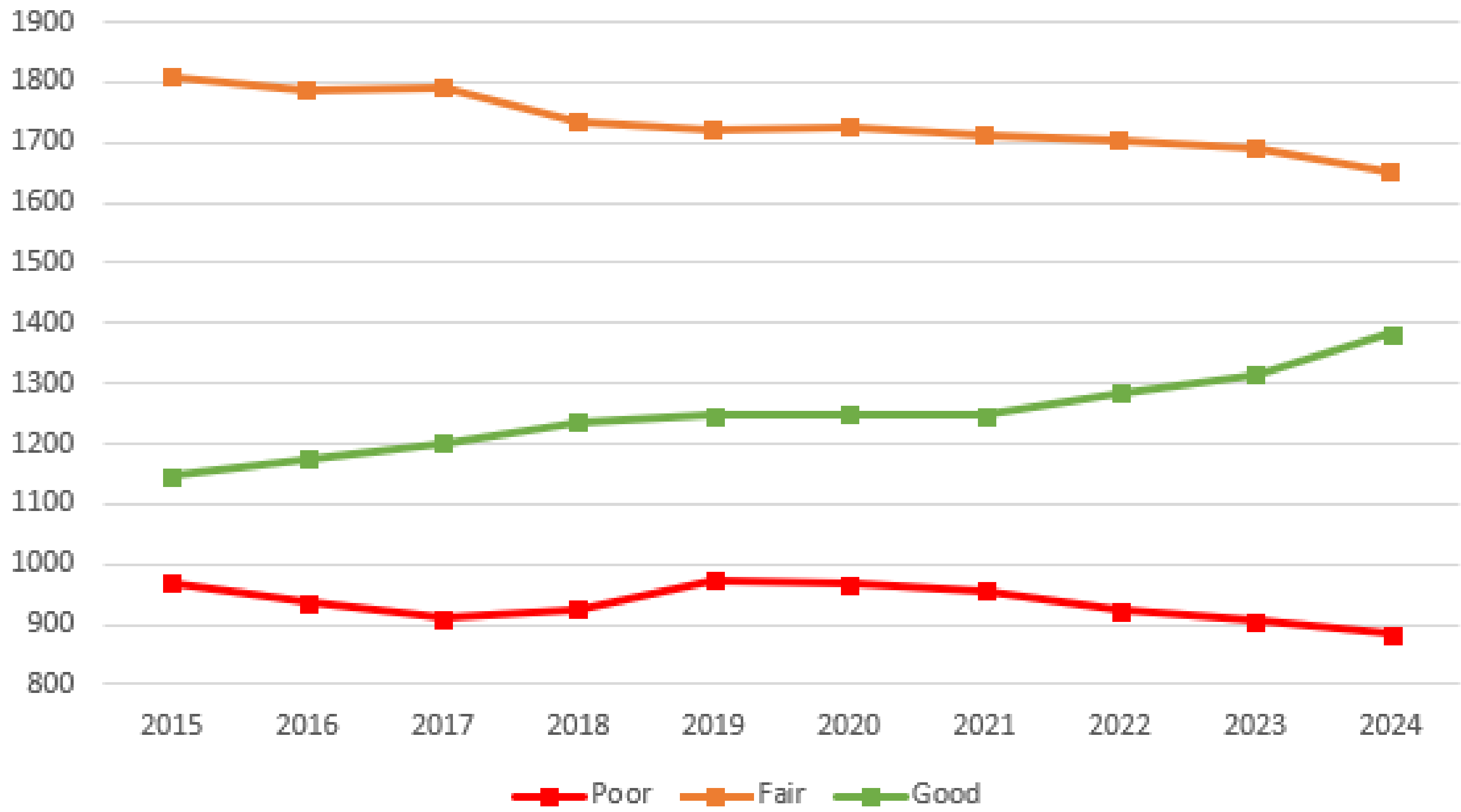


2025 Condition of Local Owned Structures
(as a percentage of total structures)



We Are Making Progress!

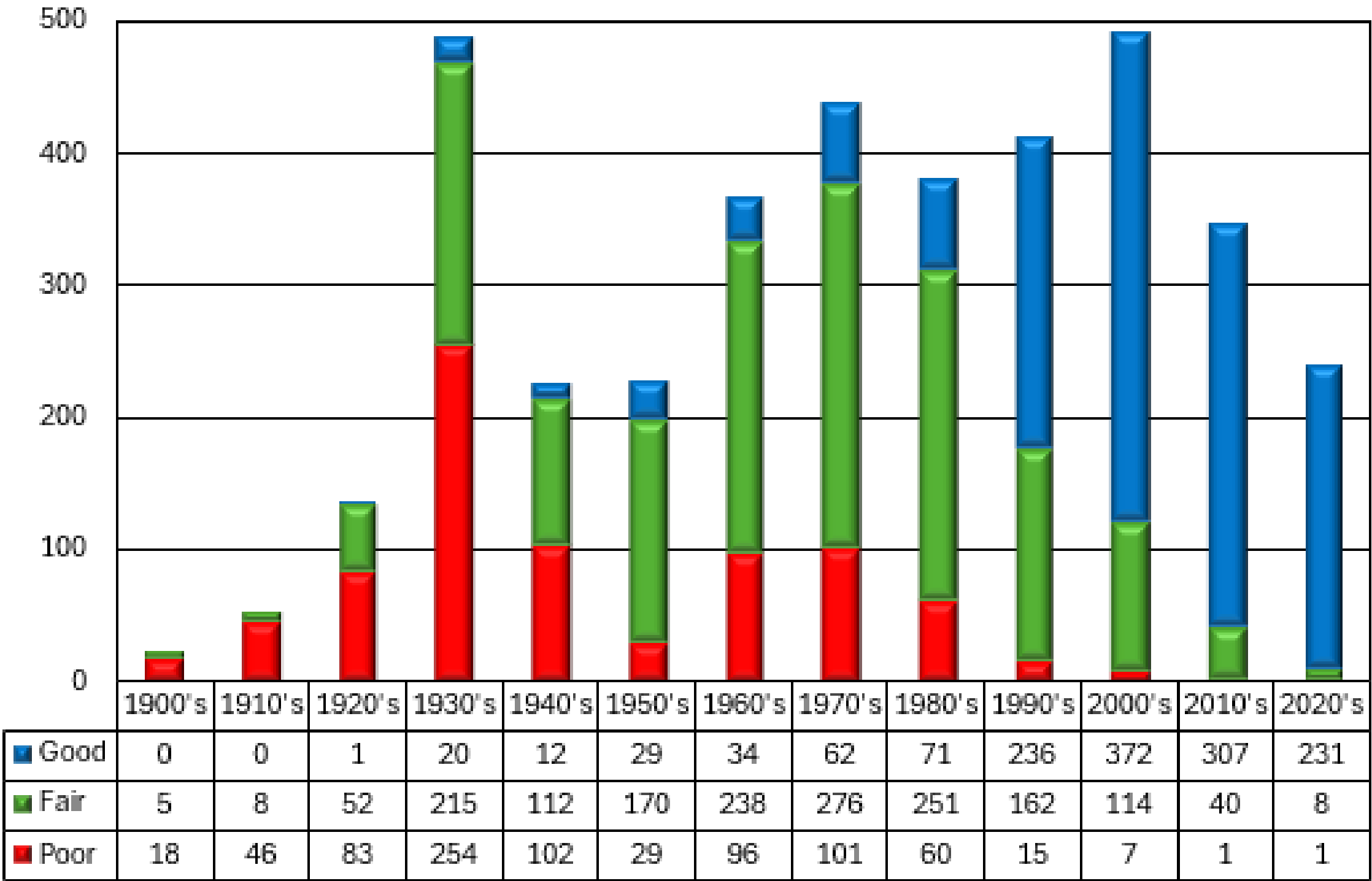
SD Local Government Bridge Conditions



Average age of local government structures in South Dakota is 50.5 years old

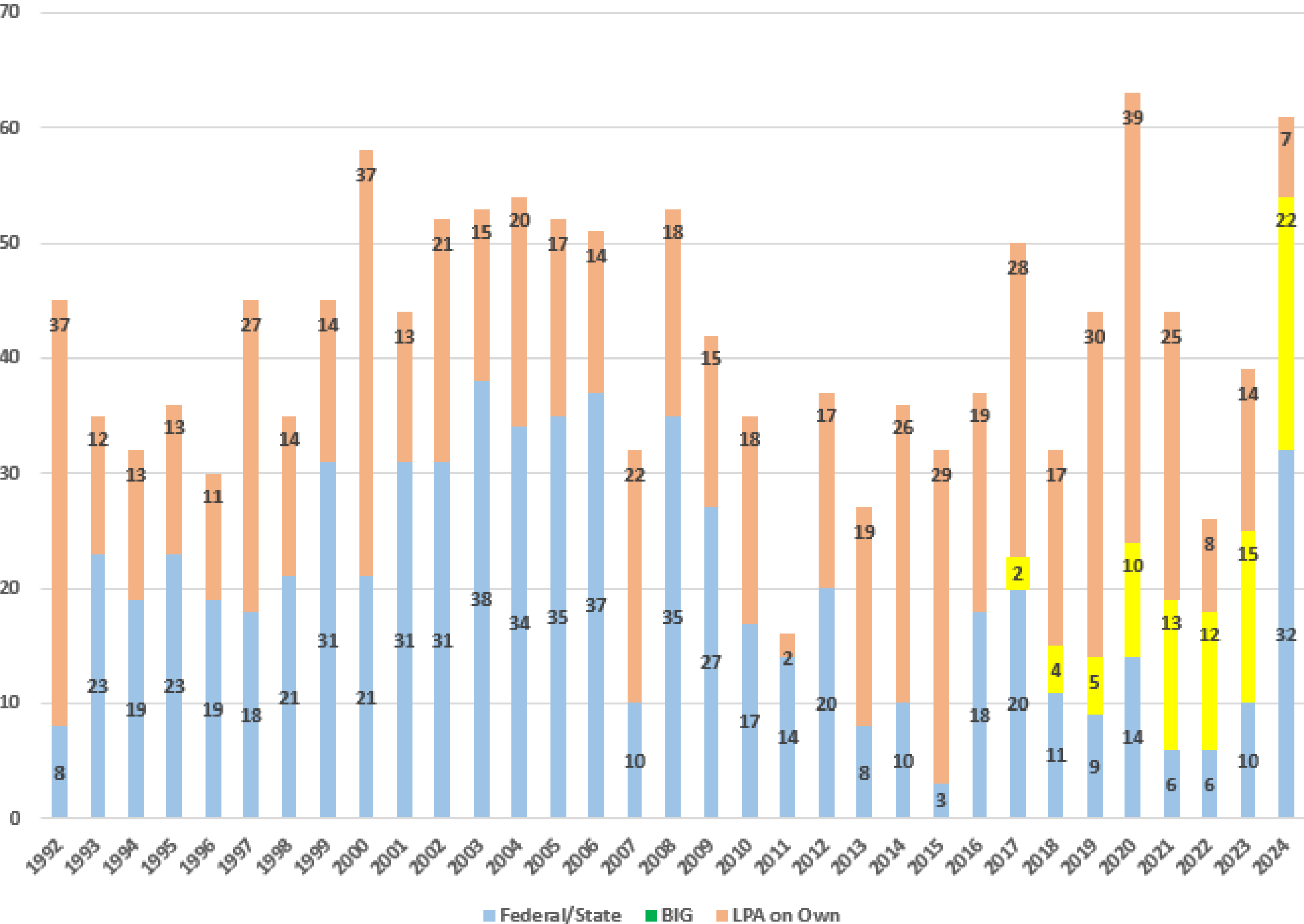
National average age is 47 years old

Local Bridges - 2025 Data



■ Poor ■ Fair ■ Good

Local Government Bridges Replaced By Entity



FUNDING FOR LOCAL GOVERNMENT STRUCTURES

▶ LOCAL FUNDS

Vehicle Registration,
Wheel Tax, County
General Funds, etc.

- Match to Federal Funds
- Match to BIG Funds
- Structure Replacement
- Structure Rehabilitation
- Structure Maintenance

▶ BIG

State Law, Transportation
Commission

- Preliminary Engineering
- Preservation
- Structure Replacement/
Rehabilitation

▶ FEDERAL FUNDS

Federal legislation-IIJA

- Bridge Formula Funds
- Highway Infrastructure
Program (HIP) funds
- Competitive Bridge Grants

Summary BRIDGE IMPROVEMENT GRANTS (BIG)

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
PE BIG Funding Awarded	\$0.9 M	\$0.9 M	\$0.99 M	\$1.34 M	\$1.41 M	\$1.51 M	\$1.42 M	\$2.4 M	\$1.54 M	\$1.85 M	\$1.5 M
Preservation BIG Funding Awarded	\$4 M	\$3.0 M	\$2.65 M	\$3.26 M	\$3.7 M	\$7.3 M	\$3.09 M	\$4.7 M	\$7.9 M	\$1.68 M	
Replacement BIG Funding Awarded	\$4.1 M	\$5.1 M	\$5.33 M	\$10.67 M	\$10.28 M	\$10.28 M	\$19.71 M	\$34.34 M	\$11.86 M	\$14.93 M	
Toatal Amount Awarded	\$9 M	\$9 M	\$8.97 M	\$15.27 M	\$15.39 M	\$19.09 M	\$24.22 M	\$41.44 M	\$21.3 M	\$18.46 M	\$1.5 M

Since 2015, 487 structures have had PE completed, been replaced, rehabilitated, or had preservation work completed.

132 structures are programmed to have PE completed, be replaced or rehabilitated, or preservation work done in the next 3 years using BIG Funds.

Questions?

