

County Plan & Bridge Improvement Grant

Summary

Doug Kinniburgh

Local Government Engineer

DOT's promotion of the program

- 1.6 County Conventions/
Workshops per year.
2. Legislative District Mtgs.
3. Individual Invites.

Eligibility

Counties

- ▶ Approved 5-Year Plan to apply the next calendar year
- ▶ Wheel Tax
- ▶ Bridge shown as a need in their 5-year Plan

Counties & Municipalities

- ▶ Serve multiple residences, farms, ranches or multi-lot development
- ▶ Located on a full maintenance road
- ▶ LPA be in compliance with Nat. Bridge Insp. Standards
- ▶ Bridge cannot already be under contract or advertised for bid at time of award

COUNTY 5-YEAR PLANS

“If you don’t know where you are going, you might wind up somewhere else.”

Yogi Berra



COUNTY 5-YEAR PLANS

Deadline October 15 each year

- ▶ 2015: 46 received, 44 approved.
- ▶ 2016: 50 received, 47 approved.
- ▶ 2017: 50 received, 50 approved.
- ▶ 2018: 51 received, 51 approved.



Bridge Improvement Grant (BIG)



1. Preliminary Engineering
2. Preservation
(Maintenance/Preventative
Maintenance/Minor Rehab)
3. Rehabilitation/Replacement

Preliminary Engineering (PE) BIG

Purpose of the PE BIG's is to perform an engineering analysis to determine:

1. Does the existing structure need to be replaced
2. The type and size of the replacement
3. Location of the replacement
4. Estimated cost and timeline

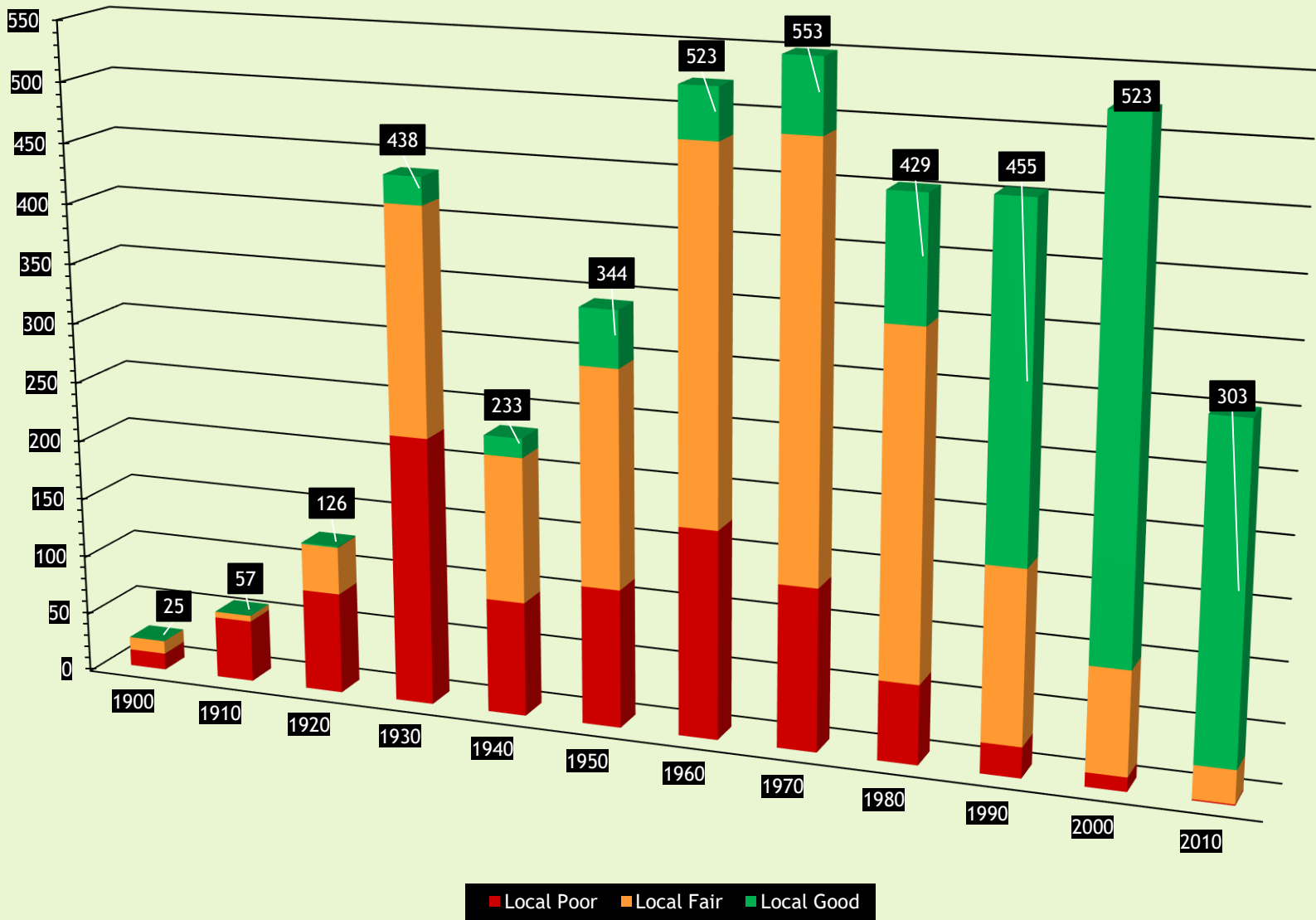
Preservation BIG

Purpose of the Preservation grants is to extend the service life of the existing structure

Examples:

- ▶ Deck seals
- ▶ Deck Overlays
- ▶ Spall repair
- ▶ Scour protection
- ▶ Joint repair

Local Owned Bridge Conditions - 5/10/19



Rehab/Replacement BIG

- ▶ Partnership in tackling the needs
- ▶ In the last 8 years, DOT has only participated in aprox. 18% of the bridge replacements in SD on the local systems
- ▶ 1004 Local bridges in poor condition
 - ▶ 1,419,710 sqft deck
 - ▶ \$288 M



Map & Info on BIG's

► [Tableau Public](#)



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BIG

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[Doug Kinniburgh](#), Engineering Supervisor, 605.773.4284

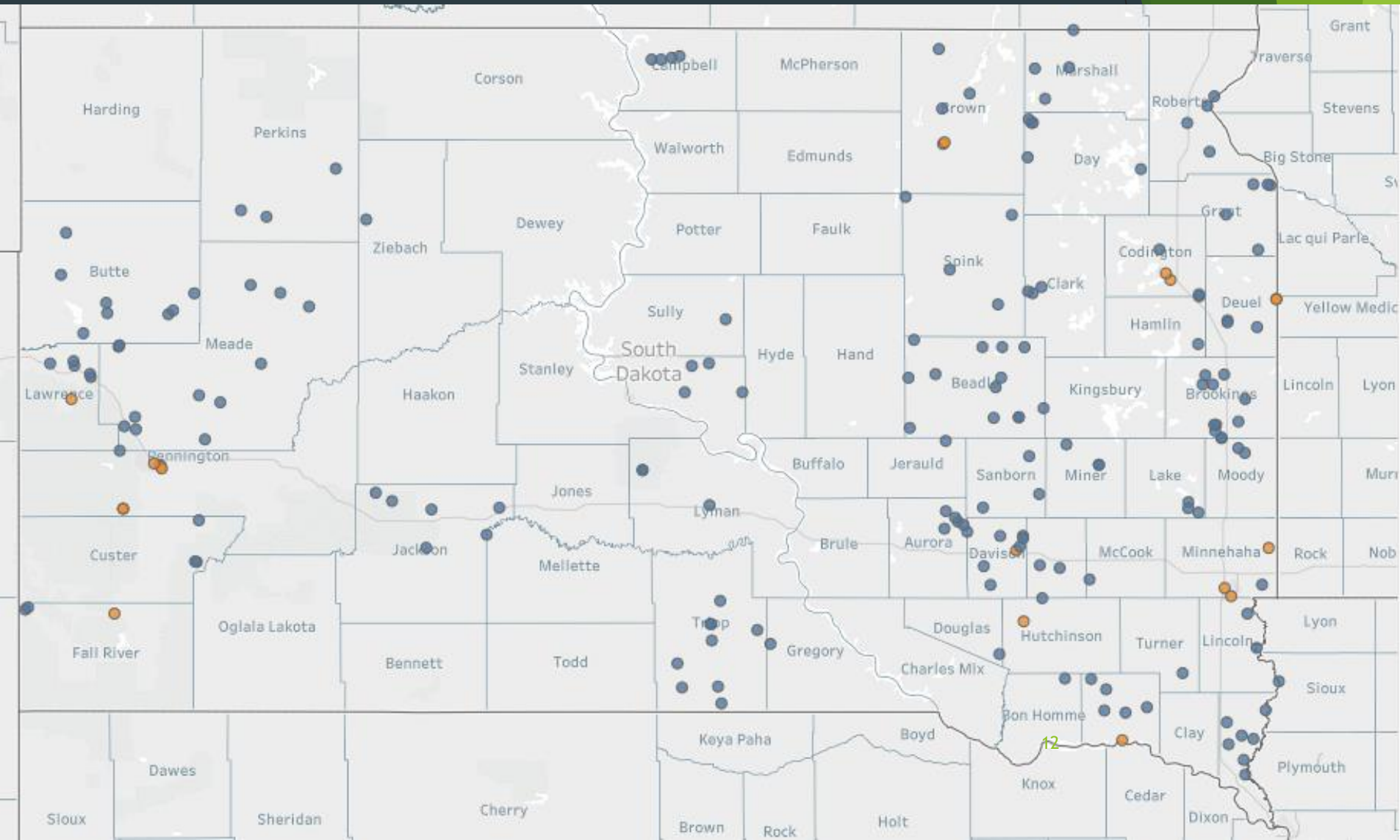
REMINDER - Preservation and Rehabilitation/Replacement Grant applications are to be submitted to Wade Dahl at wade.dahl@state.sd.us January 2, 2019.

2019 Grant Awards

- [Preliminary Engineering](#), awarded Aug. 23, 2018
- [Preservation](#), awarded March 28, 2019
- [Rehabilitation/Replacement](#), awarded March 28, 2019

[Map of BIG projects in South Dakota counties and cities, 2016-2019](#)

BIG Awards to Date



BIG's to Date

► Bridge Improvement Grant (BIG)

		2016	2017	2018	2019
Preliminary Engineering	# of Projects	40	30	26	35
		\$0.9 M	\$0.9 M	\$1 M	\$1.3 M
Preservation	# of Projects	14	17	9	10
		\$3.8 M	\$2.7 M	\$2.6 M	\$3.3 M
Rehab/Replacement	# of Projects	5	7	8	18
		\$3.8 M	\$4.7 M	\$5.3 M	\$10.7 M
Total		\$9.0 M	\$9.0 M	\$9.0 M	\$15.3 M



Gateway to Bridge Performance Information

 <https://infobridge.fhwa.dot.gov/Home>



HOME

DATA

ANALYTICS

LIBRARY

New: 2018 NBI and NBE data are now included in InfoBridge!







Challenge
BIG
THE GREAT
ADVENTURE
AHEAD



Questions?

