

# Bridges

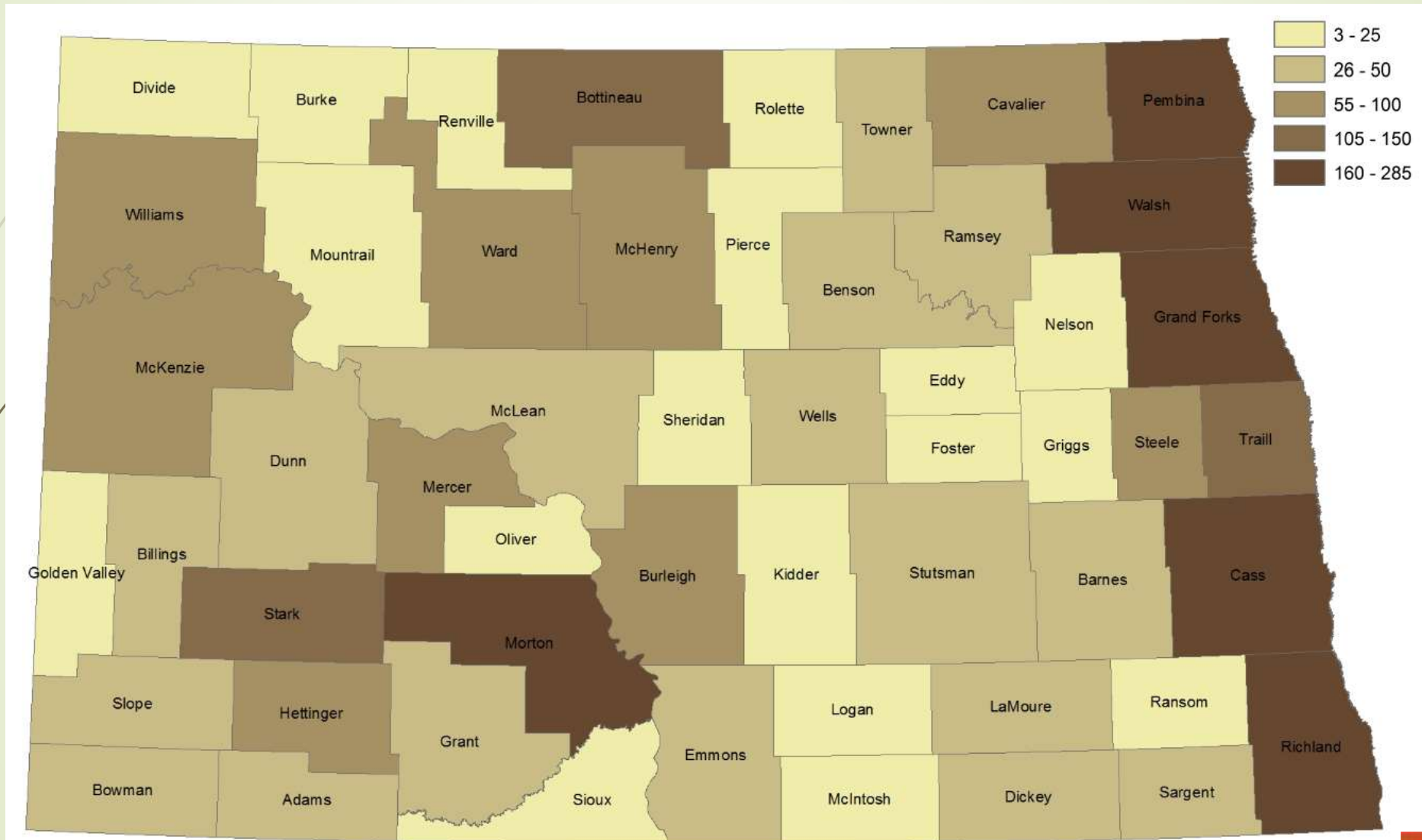


2022 Regional Meetings  
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NDDOT

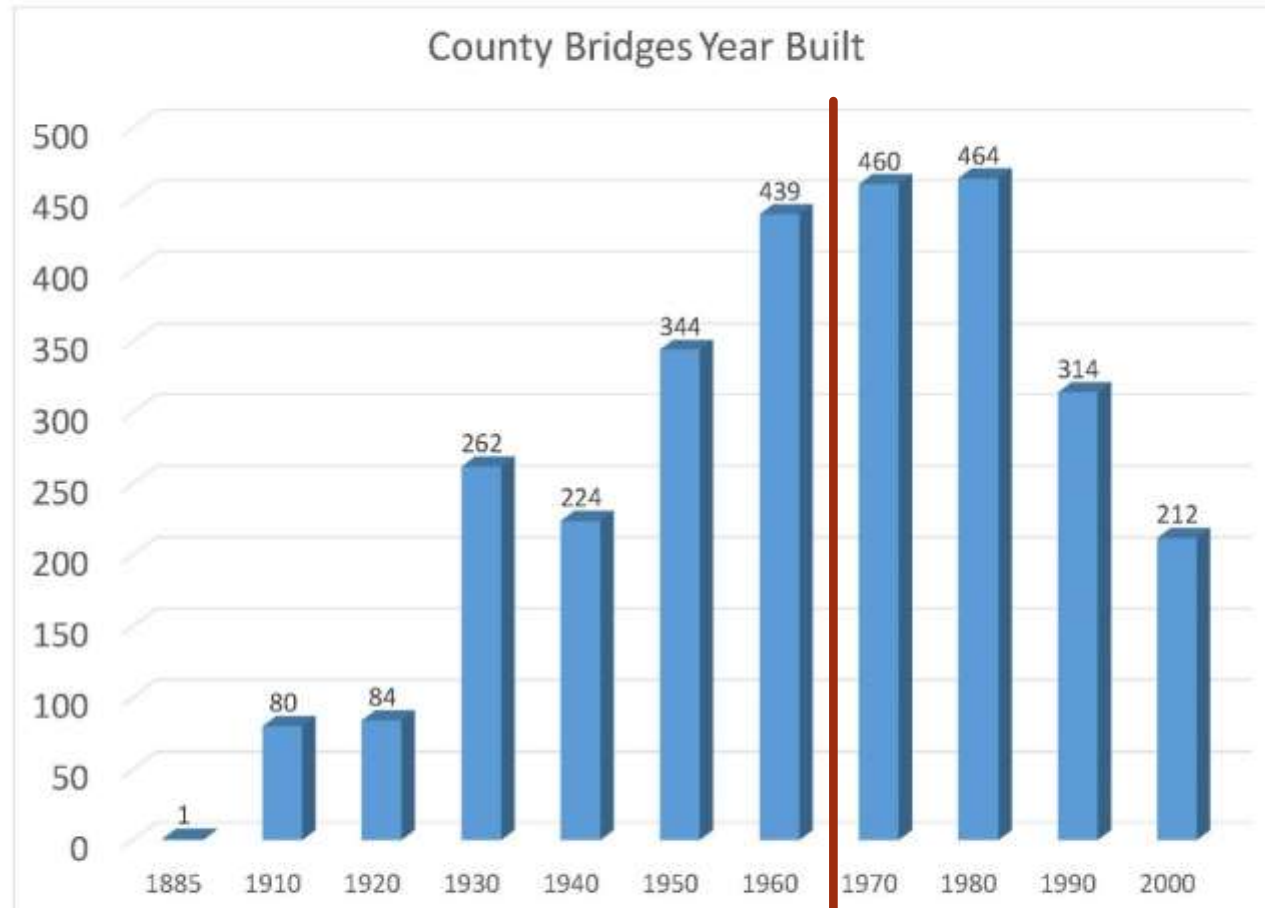
# Importance of Bridges

- ▶ Allow Safe travel (mobility) across difficult terrain, waterways, & other Transportation facilities
- ▶ Allow Movement of freight (agriculture, oil, etc.)
  - ▶ Vital link in the transportation network
- ▶ Allow movement of Emergency Services
- ▶ Carrying buses full of children

# Asset Management of Bridges



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- Approximately 3,100 bridges (=> 20') owned by a County or City
- Bridges are expensive and Large Asset for any agency
  - Dickey County – 38 bridges, \$40 million
  - Bottineau County – 118 bridges, \$60 million
  - Williams County – 59 bridges, \$35 million
  - Grand Forks County – 285, \$169 million

\*\*Value of bridges vary based type and size of bridges



# How do you protect your Asset?

- Bridge Inspections and load rating
- Proper Repair and Maintenance
- Load post them if necessary
- At times, you may need to close

# Bridge Inspections and Load Ratings

- ▶ Consultant led Inspections (2020)
- ▶ Load ratings of bridges (not all load ratings have been completed and reviewed yet)
  - ▶ 325+ new or reduced load postings based on load rating of bridges to date
  - ▶ Over a dozen closures due to load ratings to date
- ▶ Inspection Reports (InspectX)
- ▶ Load rating models (if available) and reports are available by asking NDDOT

# Load Postings and Closure

- ▶ Make sure your load postings signs are up, visible & readable, and correct
- ▶ When we notify you, need to be posted within 30-days
- ▶ If you notice damage, highwater, scour issues – close the bridge until it can be inspected and repaired if needed



# When does your bridge go from an Asset to Liability?





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# Funding

- ▶ Annual solicitation was completed for 2023, 2024, & 2025
  - ▶ 128 apps received covering 152 bridges
    - ▶ 20 these were truss bridges
    - ▶ 24 were removals
    - ▶ Selection process is on going right now
- ▶ \$20M available per year
  - ▶ Priority is given to removals or rehab (depending on rehab)
  - ▶ Poor bridges, load posted, higher ADT, detour length and classification are used to score
    - ▶ Additional points are given if you remove 1 or more bridges beside your replacement structure submitted



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