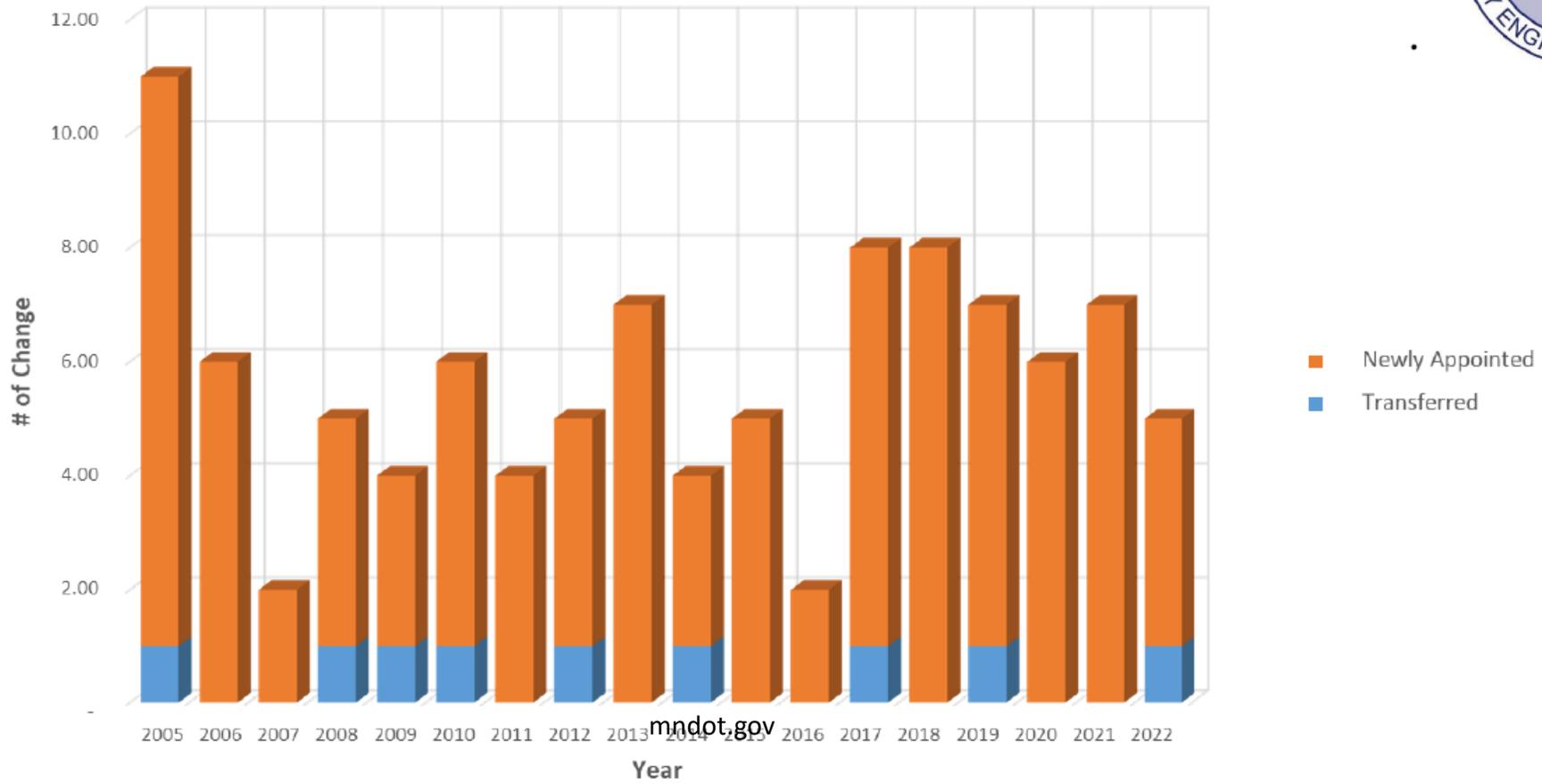


# State Aid Update – Day 1 MCEA Annual Conference 2023

# Number of Counties with Newly Appointed Engineers





To provide world-class customer service to local governments as they deliver a safe, accessible, and efficient transportation system for all users.



***Dedicated to the success of Minnesota's local transportation system.***

# State Aid Staff Update

- Operations
  - Mark Vizecky
  - Bill Meinholz
- Other MnDOT
  - Clay Ebeling
- DSAE's and DSAA's
- Kristine and Ted



# Federal Aid Items – IIJA and More

Elisa Bottos | State Aid Project Delivery Engineer

Dale Gade | State Aid Project Development Engineer

# State Aid Staff Update

- Project Delivery (Federal Aid)
  - Elisa Bottos
  - Angela Murphy
  - Chris Nobach
  - Rachel Broughton
  - Kevin Joyce
  - Dale Gade

# Bipartisan Infrastructure Law

- \$350 Billion over 5 years
- Minnesota is expected to receive \$4.8 Billion over 5 years- 30% increase
- More than a Dozen New Programs
- More Opportunities for Local Governments and Other Entities.

# Fiscal Year 2022 & 2023 Formula Funds- PUW

Program Update Workgroup(PUW) consists of MnDOT, ATP members and local partners

Federal Funding recommendations to MnDOT

For the sake of time, MnDOT used all of the additional FY 2022 funds not already programmed

Future targets to ATPs will be increased to compensate

FY 2023 funds are going to be distributed to ATPs to program

ATPs are adding projects as well as adding funding to existing projects

# On System Bridge Conversion

- Bridge Formula Program \$9.8 million / year to Off System Bridges
- Accumulated BROS funds, \$19.7 million to Off System Bridges
- STBG set aside \$8 million/ year to Off System Bridges
  
- Requested to reduce the STBG set aside and dedicate to on-system bridge projects
- Waiting on approval from FHWA

- 1. Resilience Planning – Development of Resilience Improvement Plans, resilience planning activities, capacity building, and evacuation planning and preparation**
- 2. Resilience Improvements – Projects to make existing surface transportation assets more resilient, such as improving drainage, upgrades to meet or exceed design standards, relocating roadways, or elevating bridges**
3. Community Resilience and Evacuation Routes – Improvements to make evacuation routes more resilient or add capacity and redundant evacuation routes
4. At –Risk Coastal Infrastructure – Protecting strengthening or relocating coastal highway and non-rail infrastructure

## Example projects

- Increase marsh health adjacent to highways to promote flood storage
- Upgrade/install culverts for 100-year flood events
- Tide and flood gates to protect highways and tunnels
- Stormwater controls, including inventory inspections and upgrades to BMPs to protect surface transportation infrastructure

# Carbon Reduction Program

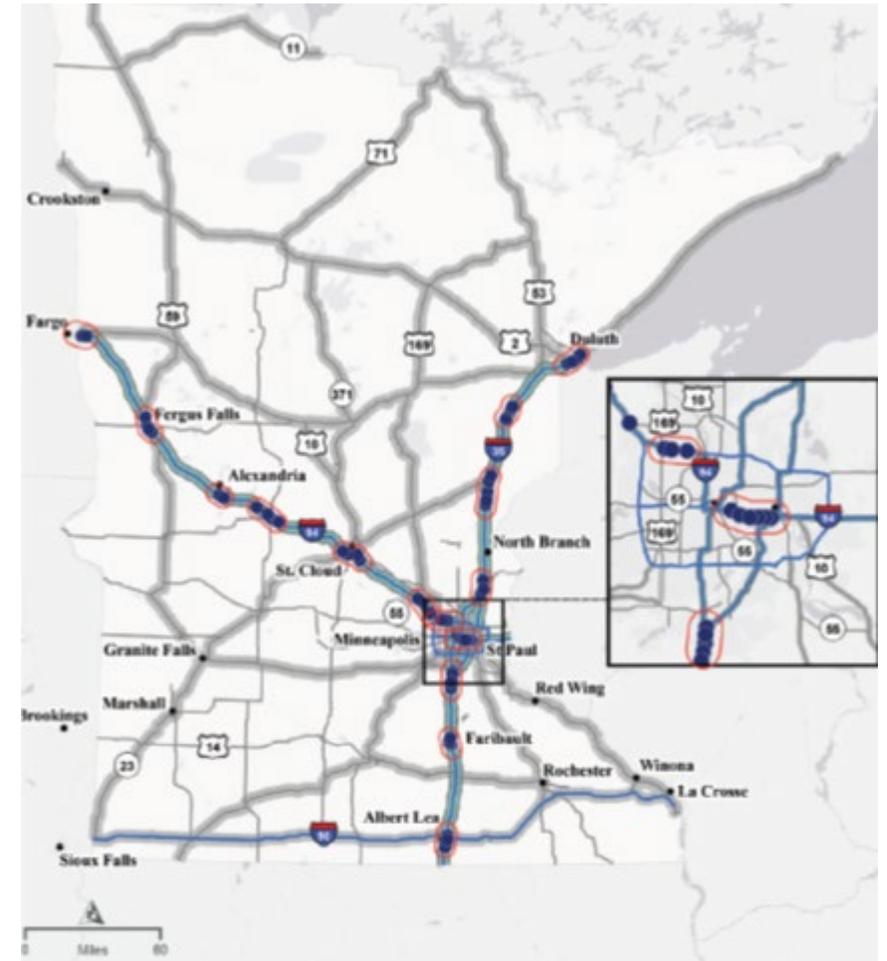
- Reduce transportation emissions
- Develop state carbon reduction strategies
- Fund projects designed to reduce transportation emissions

# Carbon Reduction Program

- Traffic monitoring/management
- Truck stop electrification systems
- Public transportation
- Trails (non-motorized)
- Advanced transportation and congestion management
- ITS and V2I
- Energy efficient lighting and traffic control
- Carbon reduction strategy
- Congestion pricing, TDM, tolling and VMT reduction
- Reduce environmental and community freight impacts
- Alternative fuel vehicles and charging/fueling
- Zero-emission construction equipment and facilities
- Diesel engine retrofits
- Projects that do not add new capacity

# National Electric Vehicle Infrastructure

- Formula Program \$68 Million for FY 2022-2026
- Requires a 20% non-federal match
- Minnesota Electric Vehicle Infrastructure Plan approved by the Joint Office in September 2022
- Plan includes 56 potential exits for fast charger station sites along I-94 and I-35



# Discretionary Grants

Bridge Investment Program BIP

Multimodal Projects Discretionary Grants MPDG- INFRA  
RURAL MEGA

National Scenic Byways Program Grants

Rail Road Crossing Elimination Program Grants

RAISE Grants

Reconnecting Communities

Safe Streets for All Grants SS4A

Strengthening Mobility and Revolutionizing Transportation  
SMART

Tribal Transportation Program Safety Fund TTPSF

Thriving Communities

Advanced Transportation Technology & Innovative Mobility  
Deployment

**Charging and Fueling Infrastructure Grants**

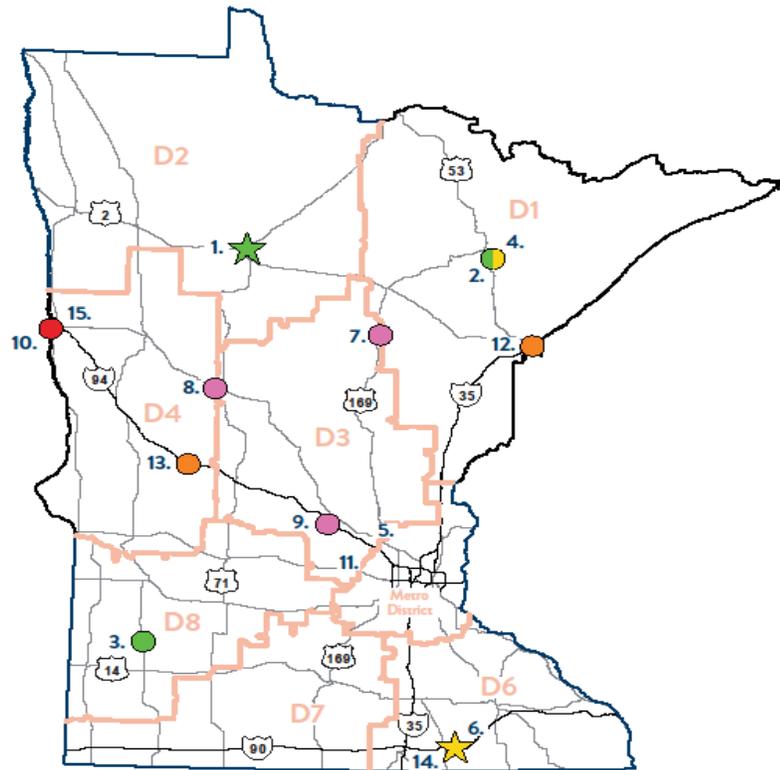
**Promoting Resilient Operations for Transformative,  
Efficient, and Cost Savings Transportation PROTECT**

# Discretionary Grants

- Agreement with subrecipient and FHWA – 6 months
- No spending until agreement is in place and project is authorized.
- Preliminary Engineering and Design, build in time for DBE goal, agreement with MnDOT, pre-award audit of consultant, Brooks Act-qualification based selection.

# MnDOT's Discretionary Grants Submitted & Awarded

## MnDOT FFY 2022 IIJA Submitted and Awarded Projects

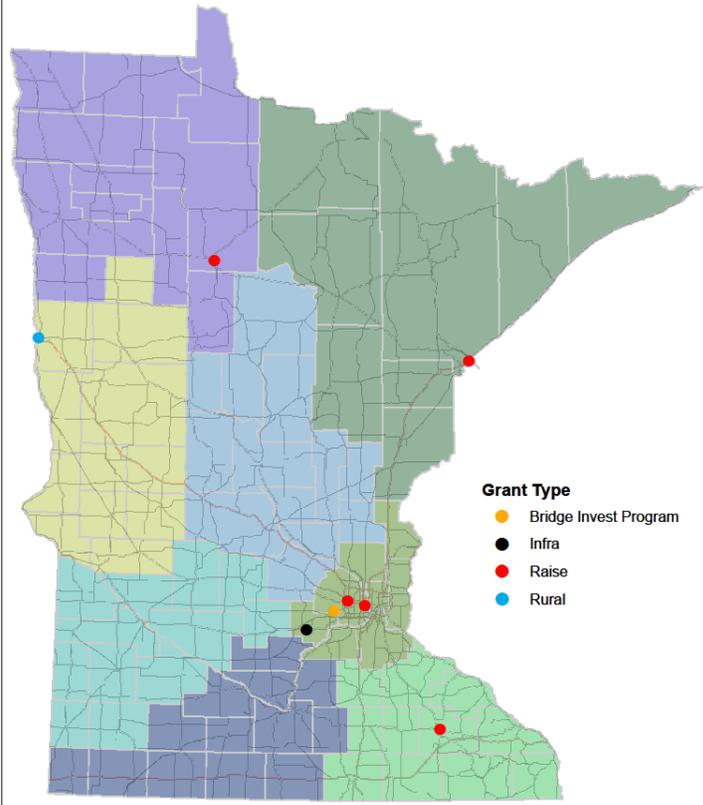


- 1. TH 197/ Paul Bunyan Drive in Bemidji  
AR: \$18 million | AA: \$18 million
- 2. / 4. TH 53 Improvements at Rock Ridge Public Schools  
AR: \$25 million (RAISE) | \$24 million (INFRA)
- 3. TH 19 in Marshall  
AR: \$13 million
- 5. / 11. I-94 General Purpose Lane  
AR: \$60 million (MEGA and INFRA)
- 6. / 14. I-90 Bridges Improvement & Mobility in Austin  
AR: \$25 million (INFRA and BIP) | AA: \$25 million (INFRA)
- 7. TH 169 Reconstruct from the Mississippi River to Hill City  
AR: \$19 million
- 8. TH 10 Reconstruction in Wadena  
AR: \$11.81 million
- 9. TH 24 in Clearwater  
AR: \$19 million
- 10. / 15. TH 10/75 in Moorhead  
AR: \$33.5 million | City of Moorhead applied for FFY 2022 RAISE, INFRA, RURAL & MEGA grants.
- 12. Blatnik Bridge in Duluth/Superior  
AR: \$895 million
- 13. I-94 Bridge Bundle in Alexandria  
AR: \$5.7 million

Legend				
★/● RAISE (1-3)	★/● RURAL (7-9)	★/● BIP (12-14)	AR Amount Requested	— MnDOT District Boundaries
★/● INFRA (4-6)	★/● MEGA (10-11)	★/● RCE (15)	AA Amount Awarded	

# Discretionary Grant Awards 2022

IIJA Discretionary Grant Awards 2022



November 2022

Applicant	Description	Amount
City of Rochester	6 <sup>th</sup> Street Bridge <b>RAISE</b>	\$19,000,000
Hennepin County	Lake Street Multimodal BRT <b>RAISE</b>	\$12,000,000
City of Plymouth	Station 73 Transit and Regional Improvements- <b>RAISE</b>	\$15,000,000
City of Duluth	West Superior Street Active Transportation Corridor- <b>RAISE</b>	\$24,999,160
City of Bemidji/MnDOT	Hwy 197 <b>RAISE</b>	\$18,000,000
Carver County	US 212 Freight and Mobility INFRA	\$10,000,000
City of Excelsior	Minnetonka Blvd Bridge, St. Albans Bay Bridge Investment Program- <b>Design</b>	\$269,900
City of Moorhead	Moorhead Downtown Grade Separation <b>Rural</b>	\$26,309,600

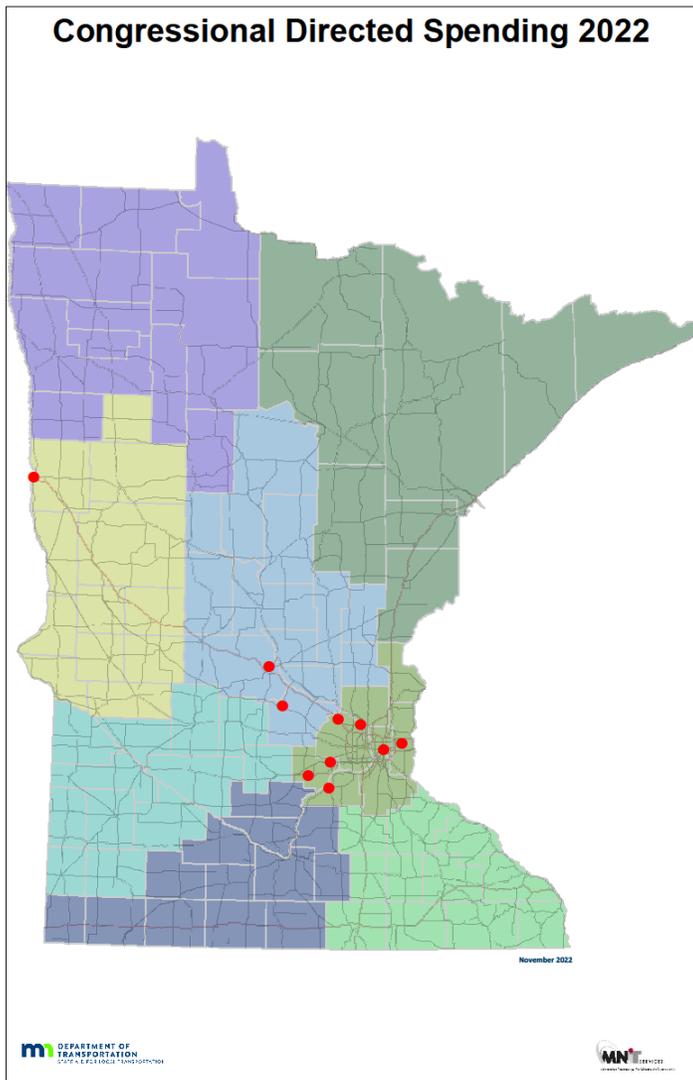
# Congressional Directed Spending

The Federal Appropriations Process will permit Congress to directly fund projects in the form of Congressionally Directed Spending CDS in each Fiscal Year

Apply through your Congressional delegation.

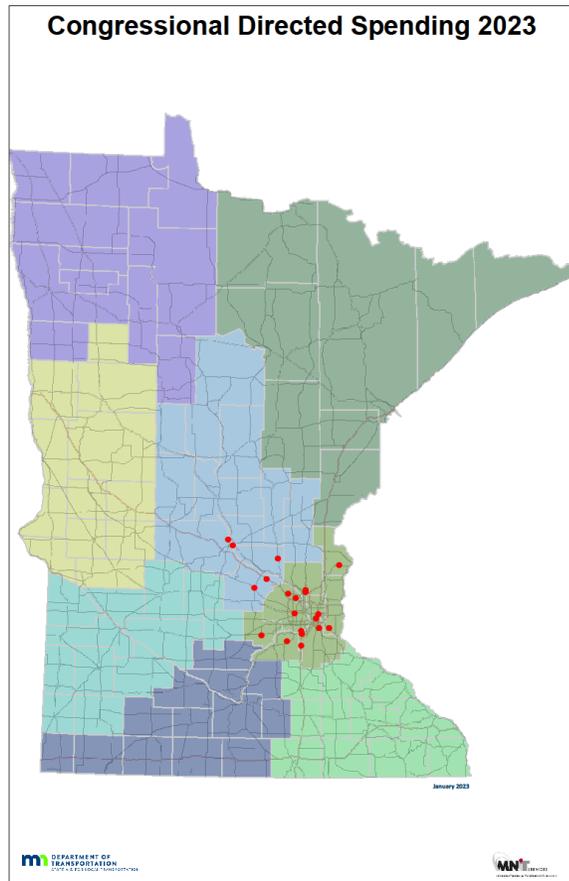
Available to non-profits, state and local governments

# Congressional Directed Awards 2022



Applicant	Description	Amount
City of Annandale	Hwy 24 and Hemlock Intersection	\$2,000,000
Carver County	Highway 212 Rural Freight Mobility and Safety. Cologne to Young America	\$2,500,000
Stearns County	Br 6819 CSAH 75	\$1,000,000
City of Rogers	Extension of CSAH 116/Fletcher Bypass, City of Rogers	\$3,501,040
Carver County	Hwy 5 Mobility and Lake Minnewashta Causeway Bridge	\$2,000,000
City of Jordan	US 169 Multi-Use Trail Underpass	\$1,124,000
Ramsey County Parks	Bruce Vento Trail Extension	\$1,300,000
Washington County	Central Greenway Regional Trail Improvements	\$1,000,000
City of Moorhead	Center Avenue Reconstruction	\$500,000
Three Rivers Park District*	Gateway Regional Park West Rover Road Pedestrian Underpass	\$1,250,000

# Congressional Directed Spending FY 2023



Stearns County	Stearns County Road 120 Resurfacing and Safety Improvements	\$1,250,000
St Louis Park	City of St. Louis Park—Cedar Lake and Louisiana Reinvestment	\$2,000,000
St. Paul	City of St. Paul—Eastbound Kellogg Bridge Reconstruction	\$7,000,000
West St Paul	City of West St. Paul Smith/Dodd Intersection Realignment, Public Plaza and Officer Scott Patrick Memorial	\$3,100,000
Dakota County	Dakota County Veterans Memorial Greenway	\$4,995,000
Prior Lake	City of Prior Lake Trail Gap Construction	\$632,150
Cottage Grove	City of Cottage Grove—80th Street Transportation and Infrastructure Project	\$5,000,000
Dakota County	Dakota County I35 & 50 Interchange Reconstruction	\$5,040,000
Burnsville	City of Burnsville Highway 13 & Nicollet Avenue Mobility	\$3,000,000
Buffalo	Trunk Highway 25 Reconstruction	\$5,785,000
Sherburne County	US Highway 169 / CR 4 Rural Safety and Mobility Interchange Project	\$7,000,000
I 94 West Corridor Coalition	I-94 Expansion Project	\$3,000,000
Carver County	US 212 Rural Freight Mobility and Safety Project	\$4,000,000
Anoka County	Trunk Highway 65 Improvements at 109th Avenue	\$5,000,000
Blaine	Trunk Highway 65 Improvements at 99th Avenue Project	\$4,000,000
Brooklyn Park	Construction of a High Priority Off-Street Trail Along Zane Avenue	\$874,400
Maple Grove	Highway 610 Extension Project	\$2,750,000
Bloomington	Minnesota Valley State Trail—Lyndale to Nine Mile Creek Segment	\$2,350,000
Chisago County	US Highway 8 Reconstruction	\$3,000,000

# DCP Agreements

- Delegated Contract Process Agreements
- Allows agency to spend Federal Funds for construction
- Renewed every several years
- Updates for Buy America, telecommunications, debarment and suspension, Title VI
- Please process at your agency and return to us following instructions in correspondence.
- You can't get federal funds without one.

Title VI is a requirement if your agency gets federal funds thru MnDOT.

Prohibits discrimination based on race color or national origin.

Agency are required to have a Title VI plan

Resources on the MnDOT Civil Rights website

- Iron, Steel and Construction Materials
  - Non-ferrous metals, plastic and polymer based products, glass, lumber, and drywall
- Authorization November 10, 2022 and later
- Special Provisions on the electronic proposal tool
- BABA does not apply to cement, cementitious materials, aggregates.

## Federally Funded Grants

- Preliminary Engineering
- Construction Engineering
- Right of Way
- Engineering Studies

## State Funded Grants: GO bonds and General Fund

- Local Road Improvement Program
- Local Bridge Replacement Program
- Active transportation
- Safe Routes to School

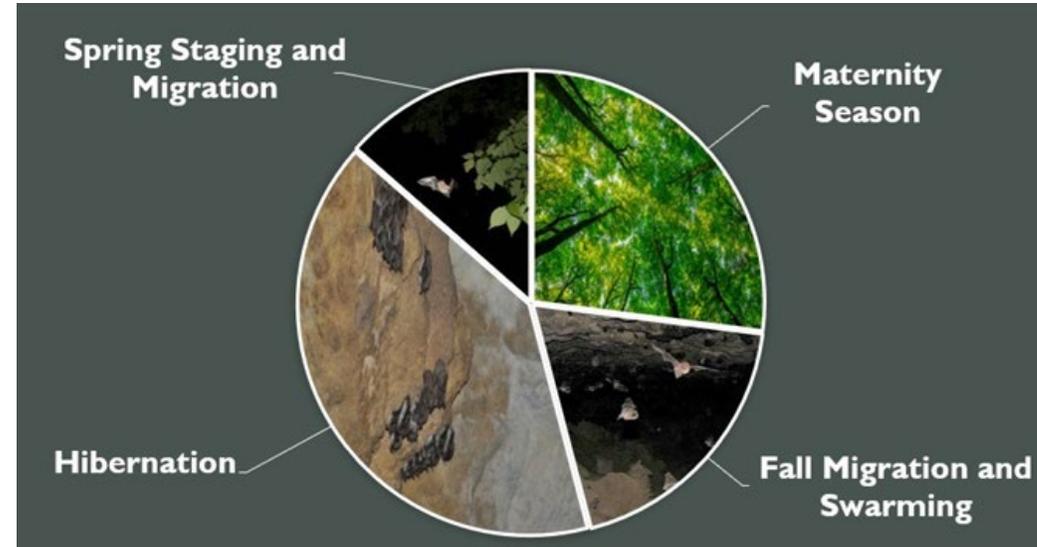
# Northern Long-Eared Bat

## NORTHERN LONG-EARED BAT FINAL LISTING AS ENDANGERED



# Northern Long –Eared Bat

- Section 4(d)
  - No longer applies.
- Federal Actions
  - Consultation (informal / formal)
  - FHWA – Same process
  - USACE – Possible new processes, TBD
- Non-Federal Actions
  - Avoidance or ESA Section 10 permit
  - Additional process, TBD
- Determination Key
  - Will help determine if avoidance is achieved



# 401 MPCA Permit



- Increased Oversight Proposed
  - Tributaries
  - Trout Streams
  - Dewatering



## Trout Stream Roadway Intersections

- Trunk Highways - 441 Intersections
- ◆ All Other Routes - 2,864 Intersections

## All Other Routes Breakdown

- County Highway Agency - 1,318 Crossings
- Town or Township Highway Agency - 899 Crossings
- City or Municipal Highway Agency - 400 Crossings
- Other Public Roads - 238 Crossings
- Indian Tribe Nation - 9 Crossings

# Questions??





# Traffic Safety Items

Marc Briese | State Aid Programs Manager

Girma Feyissa | State Aid Traffic Safety Engineer

# Regional Traffic Safety Workshops

- Background:
  - Historical fatal injuries reduced and started to flatten in the 2000s
  - State of MN started implementing TZD in 2003
  - HSIP became a core federal aid program 2005 (SAFETEA-LU)
    - Data driven process
    - Reduce Fatal and Serious Injury Crashes
    - Open to all public roads
  - MnDOT recognized TZD won't be achieved focusing on Trunk Highway
    - Counties own a third of the roadway system by mileage
    - MnDOT engaged the counties to educate them on Traffic Safety (2008-2010)
    - Over half of the severe crashes on CSAH and CR.
    - More uniform system, possible to analyze at a macro level
    - Develop the Mn CRSP (2009-2013)
    - Provide access to competitive HSIP funding

# Regional Traffic Safety Workshops

- Background :
  - Between 2003 and 2019 fatalities dropped by ~40% in MN
  - Since 2020 alarming trend of increase in fatal crashes
  - Not many locals applying for HSIP
  - Loosing momentum
    - Staff Retirement
    - COVID
    - Priorities

# Regional Traffic Safety Workshops

- Deliver Regional Traffic Safety Workshop
  - **Engineering focused** (not TZD)
  - 24 workshops (minimum 2-per ATP in GM, 4-metro, 6-backup)
  - Include cities, counties, district, MPOs
    - Review updated state and regional crash data,
    - Discuss specific traffic safety challenges faced by local road authorities
    - Review the Safe System approach to traffic safety and (TZD) 2.0 initiatives,
    - Review safety research
    - Review proven engineering solutions with goals to reduce K/A crashes
    - Review potential traffic safety funds available to locals
    - Discuss equity in traffic safety
    - Discuss Vulnerable Road User safety

# Regional Traffic Safety Workshops

- **Volunteers needed** –
  - Two to four county engineering staff per ATP
  - Three to six city engineering staff per ATP
  - Participate in one meeting per month
    - Review statewide and local crash data
    - Emphasis on Fatal and Serious Injury Crashes
    - Discuss traffic safety concerns in your region
    - Discuss barriers to traffic safety work and funding issues
  - Participate in the workshops in your region

# Local Road Safety Program (LRSP) Update

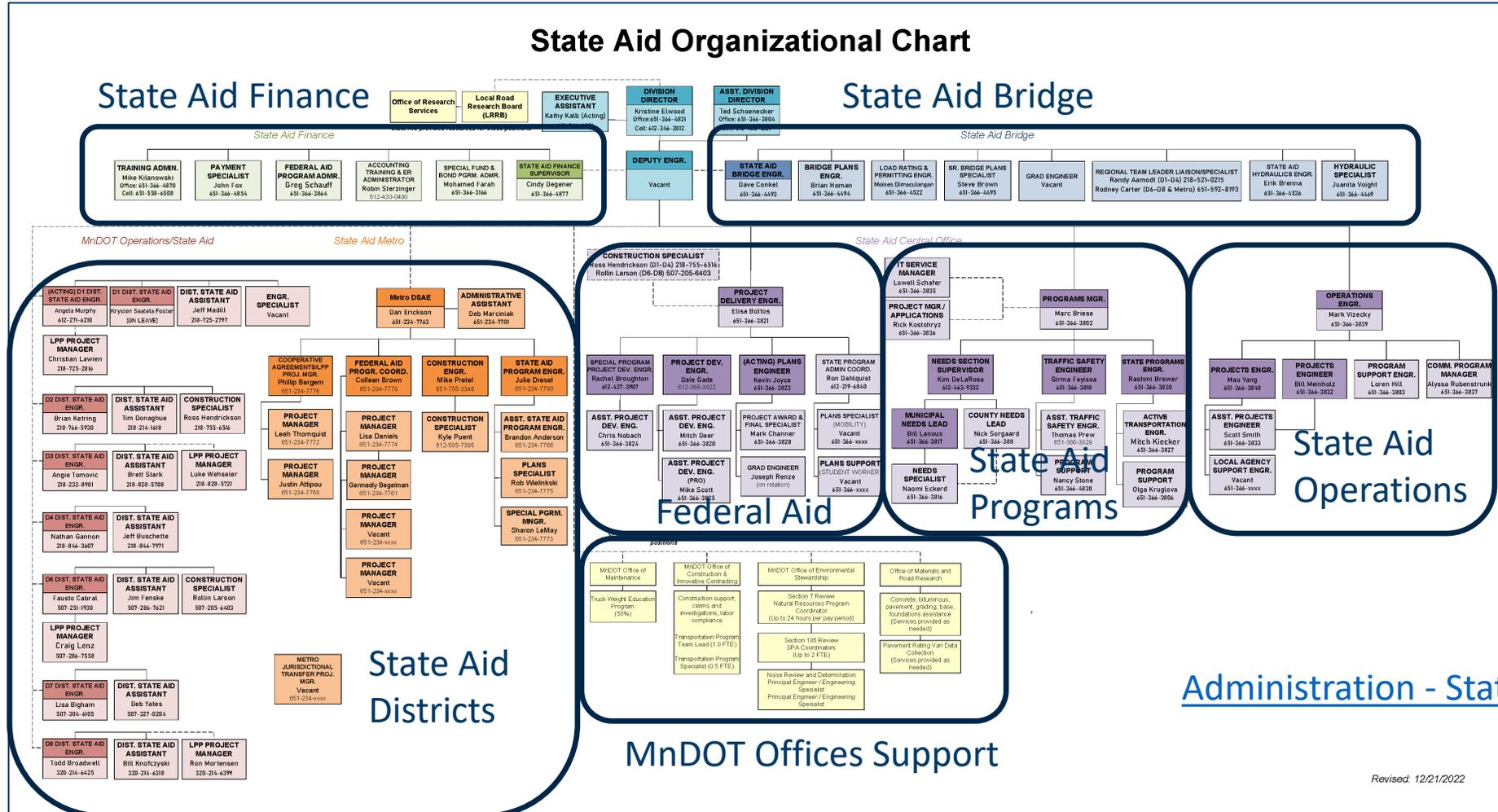
- MnDOT has been discussing potential for new program
- SALT met with cities/counties in 2022
  - Concern with ability of cities and townships to access funds
  - Potential for new program budget request to compete with other requests (LRIP, LBRP, wetland replacement, etc.)
- Budget request not included in 2023
- Work group being formed
  - MCEA (2), CEAM (2), MAT (1), MAOSC (1), DSAE, OTE, SALT



# Questions?

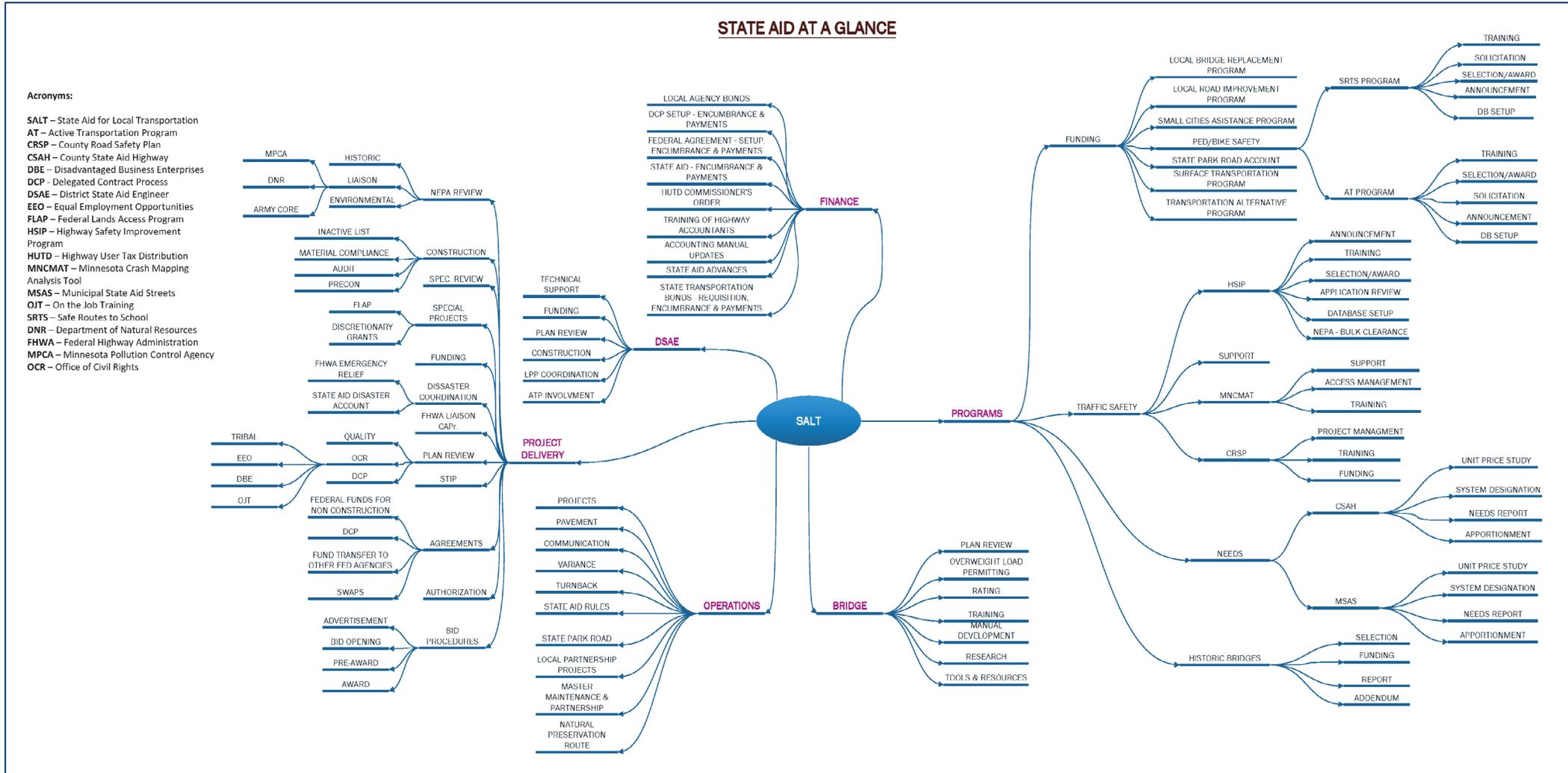


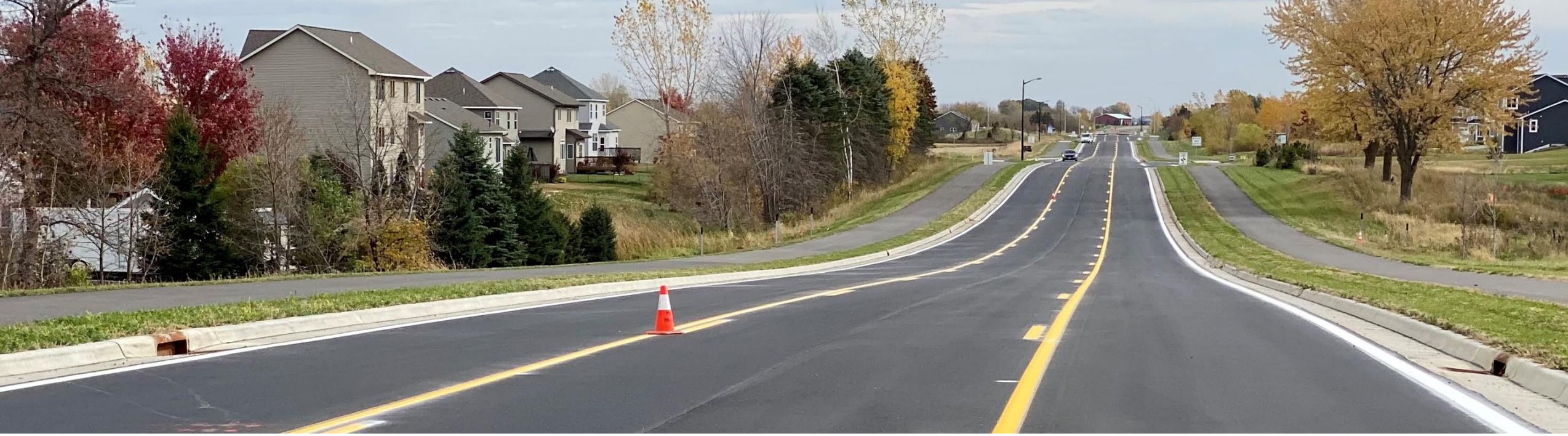
# State Aid Organizational Structure



Revised: 12/21/2022

# State Aid Organizational Structure





# State Aid Update - Day 2

## MCEA Annual Conference 2023

# Local Technical Assistance Program (LTAP)

# State Aid Staff Update

- Programs

- Marc Briese
- Mitch Kiecker
- Rashmi Brewer
- Girma Feyissa
- Thomas Prew

- Bridge

- Dave Conkel
- Brian Homan



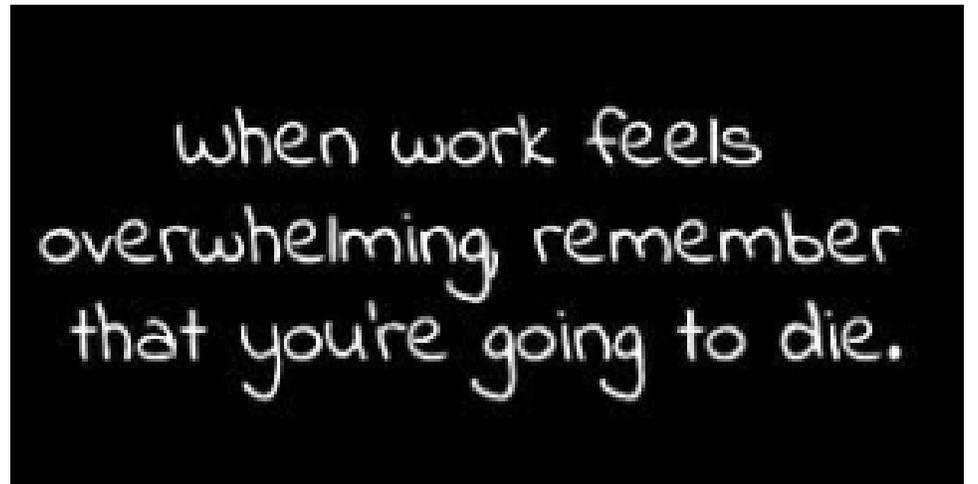
# State Aid Bridge Update

Dave Conkel | State Aid Bridge Engineer

Marc Briese | State Aid Programs Manager

# Precast Concrete Box Culverts

- What's going on?
  - Skilled labor shortages
  - Oldcastle Infrastructure acquires Hancock
  - Rinker (A Quikrete Company) acquires Fortara
- Effects!
  - 6-to-8-month fabrication lead times
  - Cost escalations 30% to 100%
  - Fabrication Errors



# Precast Concrete Box Culverts

- Mitigation Strategies
  - Early Fabrication Plans
  - Use Other Products
  - Fabrication Plants in Iowa or South Dakota
  - Build a Bridge Structure
- Contacts
  - Jason Kruger MnCPA Technical Director
  - Paul Rowekamp MnDOT Bridge Standards
  - Ron Mulvaney MnDOT Materials Office

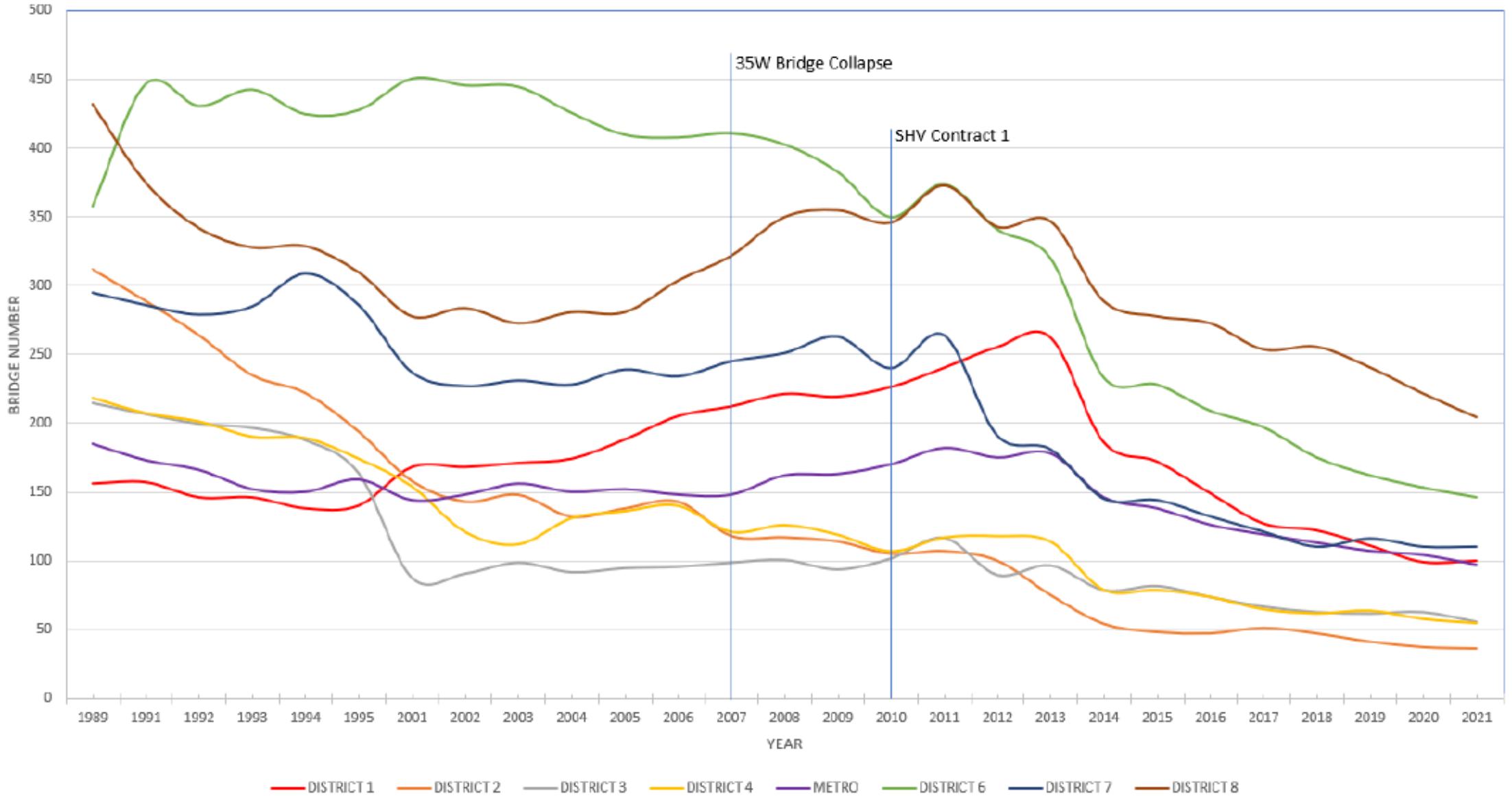


# Local Bridge SA News

- 2023 SA Bridge News
  - Bridge Committee Update
  - Timber Bridges
  - SA Regional Team Leaders
  - Inspection General
  - And More!
- Poor Condition Local Bridges
  - 2010, over 1,600 local bridges in poor condition
  - 2021 approx. 800 local bridges in poor condition
  - Bridge Annual Report



# POOR CONDITION LOCAL BRIDGES



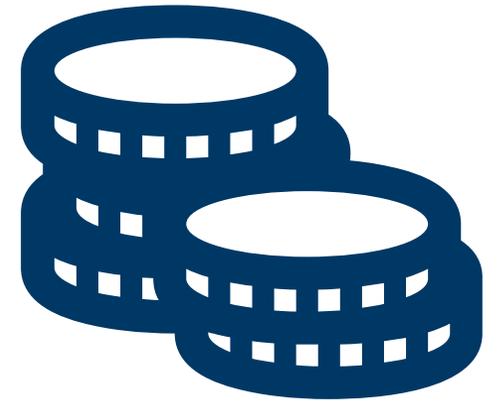
# LBRP Funding Update

- No appropriations from 2022 legislative session
  - waiting list 50 projects requesting \$13 million in state bridge funds
- ~\$9 million in MVLST in mid-summer 2022 (primarily used as match to federally funded projects)
- Federal funding opportunities:
  - Discretionary grants: Bridge Investment Program plan/construct (\$2.5B/year)
  - IJJA BROS: \$8M to \$8.5M off-system/year
  - IJJA Bridge Formula Program: \$11M to \$12M off-system/year
  - Request to reduce BROS set aside for use on local on-system bridges
- Town bridge allocation in mid-January (70% regular/30% special) – costs have been up significantly



# Funding for Structures Less than 10 feet (LT10)

- State bridge funds and town bridge funds can be used if existing structure < 10 feet and hydrological survey indicates replacement structure must be  $\geq$  10 feet
  - Statutory references: 161.082 Subd 2a(a), 174.50 Subd. 7(b)
- DSAE and State Aid Bridge Hydraulics Engineer review and approve hydrologic report



# High Priority Bridge Replacement Resolutions

- Adopt resolution every 1-2 years

[Bridge replacement priority list resolution](#)



# SALT-y Awards

- Total bridge projects funded/waiting list 2022
  - 165 (81 county, 80 town/small city, 4 State Aid City)
- Most County bridge projects funded/waiting list 2022
  1. Redwood County (8)
  2. St. Louis County (5)
  3. Faribault, Polk, Renville Counties (4)
- Most township/small city bridge projects funded 2022
  1. Pipestone & Polk Counties (8)
  3. Fillmore County (6)



# Questions?



# Thank you again!

**Ted Schoenecker**

[ted.schoenecker@state.mn.us](mailto:ted.schoenecker@state.mn.us)