



State Aid Update MCEA Annual Conference 2024

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Statewide Radio Communications

2021 Federal Aid Audit Findings

- The MnDOT Office of Audit conducts yearly reviews on both MnDOT and local federal projects. Recent audits have identified some areas that require better documentation in the future to avoid putting federal funds at risk. We recommend that all personnel involved in the Construction and Contract Administration of projects review the following items and implement any updates to their processes as needed.

2021 Federal Aid Audit Findings

- Bituminous sampling and testing

- Bituminous sampling and testing of materials incorporated into the bituminous mixture is critical to the quality process and must be clearly completed and documented. This includes following the projects Schedule of Materials Control (SMC) to completely and accurately sample, take possession of verification samples, and test at all rates as specified. The Quality Assurance (QA) personnel must provide not only testing but also oversight as required by specification.
- QA personnel must be vigilant and document their oversight for all duties performed. This documentation should include;
 - Checking and documenting certifications of QC personnel.
 - Documenting all testing done.
 - Documenting any sampling done and/or witnessed.
 - Documenting random number determination for sampling.
 - Documenting any steps taken or communications that take place, especially when test results fall outside of “passing” boundaries.

- Bituminous failing tests

- The Bituminous Office has updated the Test Summary Worksheet Spreadsheet and the new version should be used on all projects. This new version has important updates, including notification areas when out of tolerance tests should be addressed.
- The test that was repeatedly mentioned in the audits as not being addressed is the “new added asphalt binder” test. When using the new spreadsheet, this test when out of tolerance will **highlight**, at which point the QA personnel needs to take some action. Actions that the QA inspector can take will include;
 - A discussion with the project engineer.
 - A conversation with plant personnel about how to get back into spec and if mix changes are needed.
 - If the Inspector and Project Engineer do not get an acceptable plan moving forward, they also can resort to a production stoppage via MnDOT specification 1512.

2021 Federal Aid Audit Findings

- Payments

- A few other notable items from the audit that should be noted are as follows.
 - When partial estimates are done, before paying for items of work, a review should be made to make sure that all Quality Control testing is completed. Items of work should only be paid for in full if testing per the SMC is completed. This has recently shown up as an issue on Reclamation projects.
 - When payment reductions are warranted, they should be done when paying for the items that they are for. Items should not be paid for in full if they do not meet requirements, even if a deduct is taken at a later date.
- Contract Administration of projects needs to be a constant coordination of information between the Project Engineer, the project inspectors, and the Contractor and Owners Quality testers. Our State Aid Construction Team has tried to put together as many tools as possible to help you to completely and accurately administer your construction projects on the State Aid Construction webpage.

New Mailbox Support Standard Plate

- New mailbox support required on NHS roadways
 - MASH tested and approved
- MnDOT adopting for all trunk highways
- Concern regarding plow blades hitting new mailbox support
- State Aid eScene article being developed with more information coming in February



State Aid Communication Survey

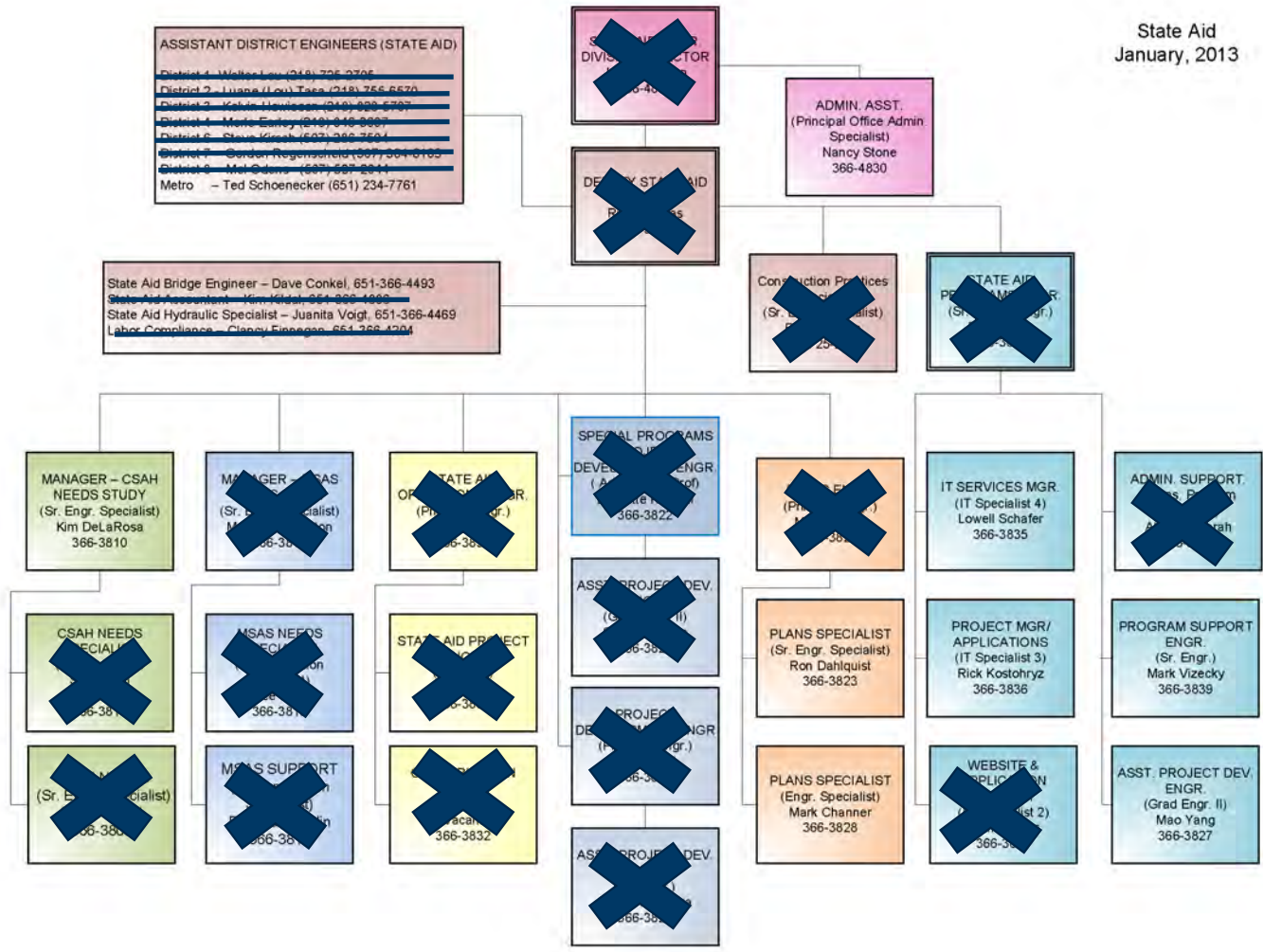


- Email sent January 3
- Tell us how we are doing
- Due end of day February 7

2013 versus 2023



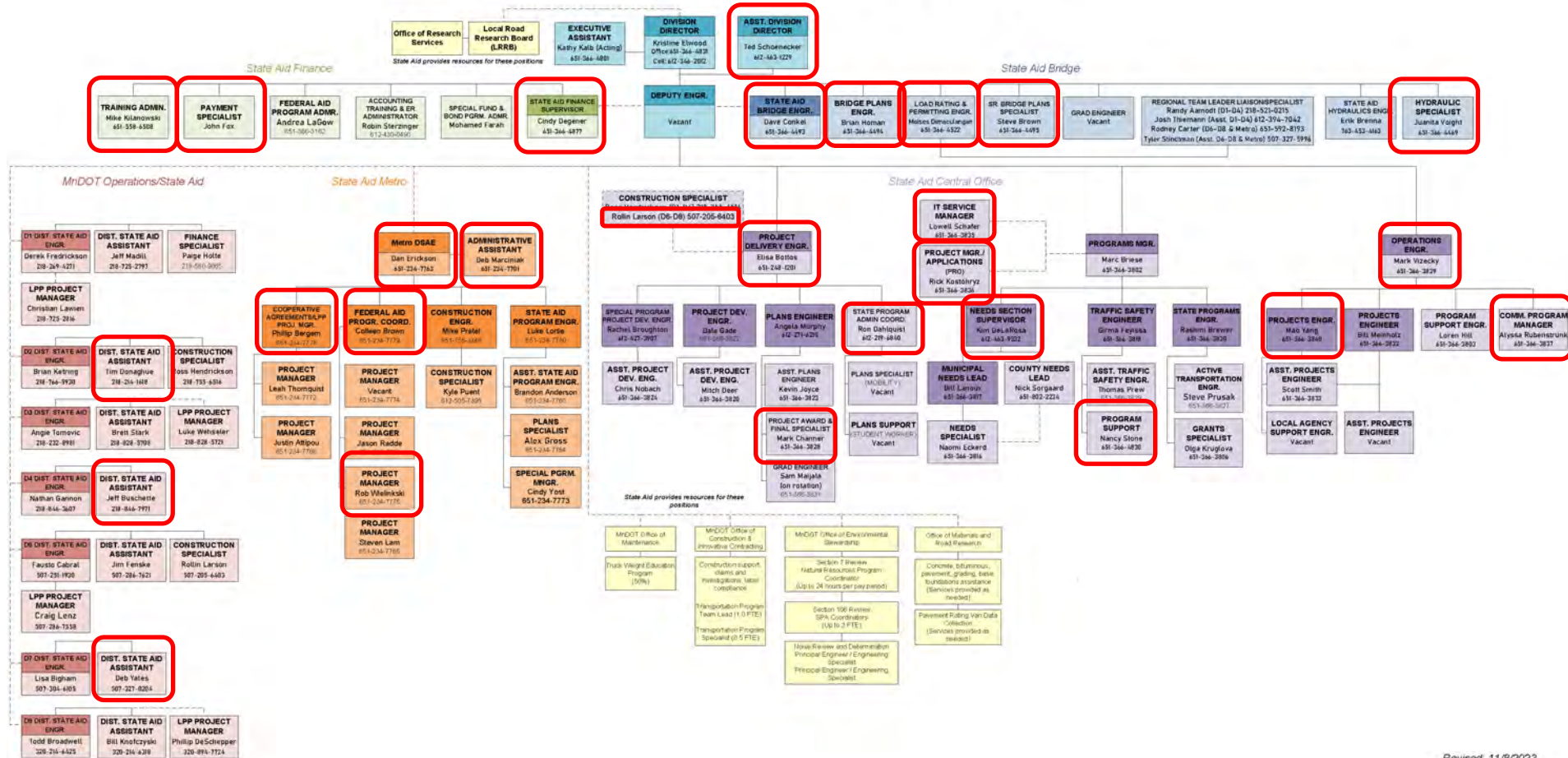
State Aid Org Chart – January 2013



State Aid
January, 2013

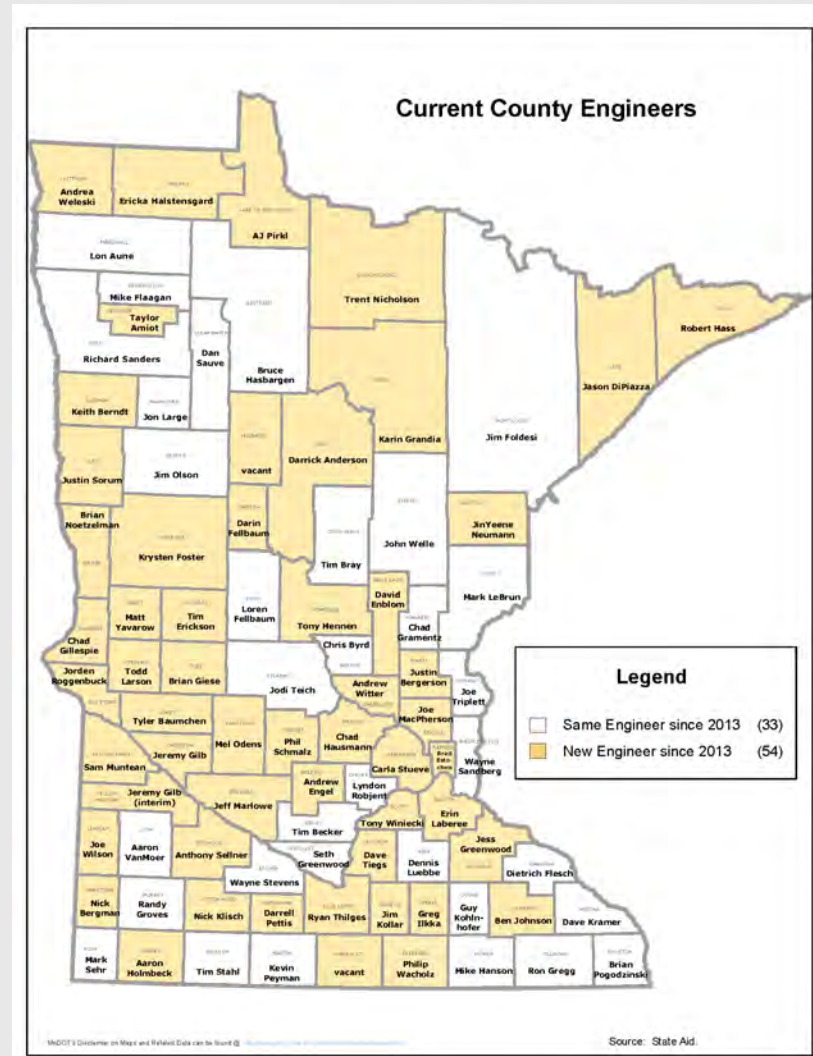
State Aid Org Chart - 2023

State Aid Organizational Chart

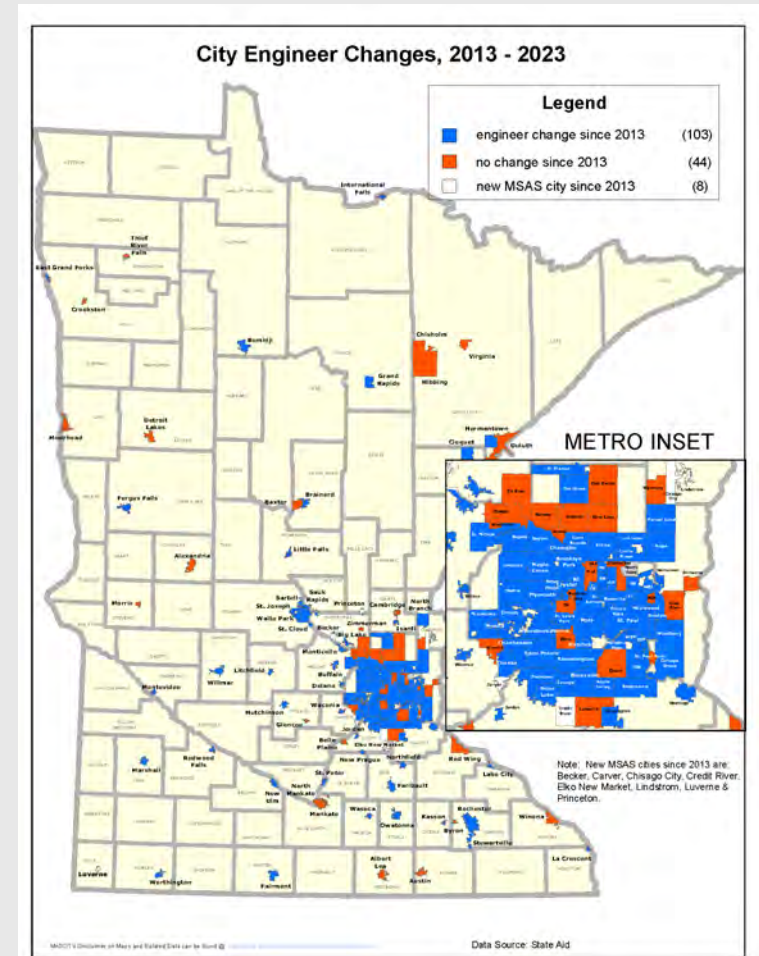
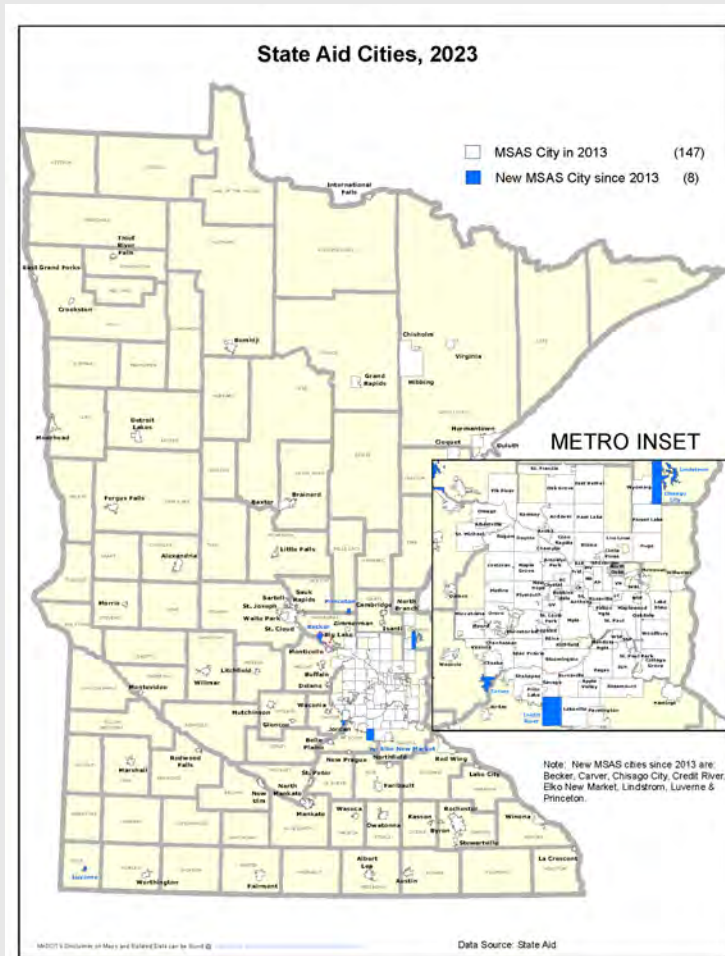
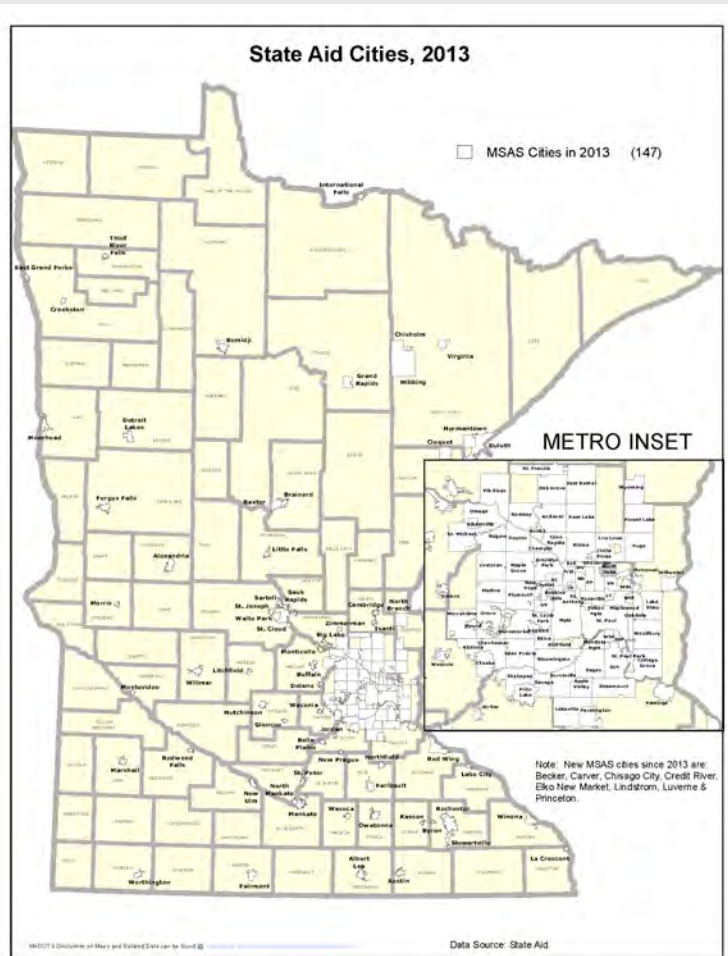


Revised 11/8/2023

County Engineers



State Aid Cities

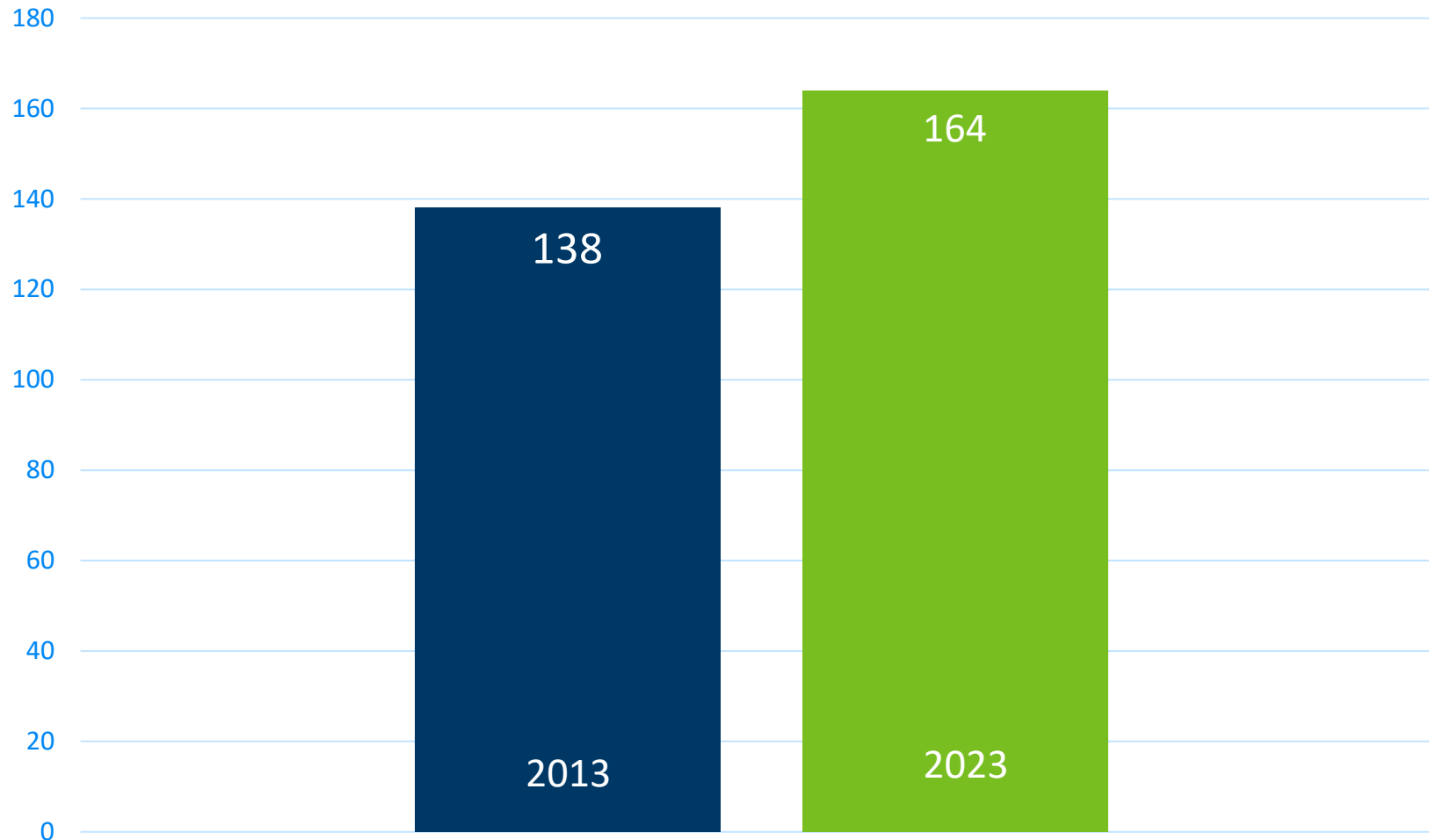


Highway User Tax Distribution Fund (HUTDF)

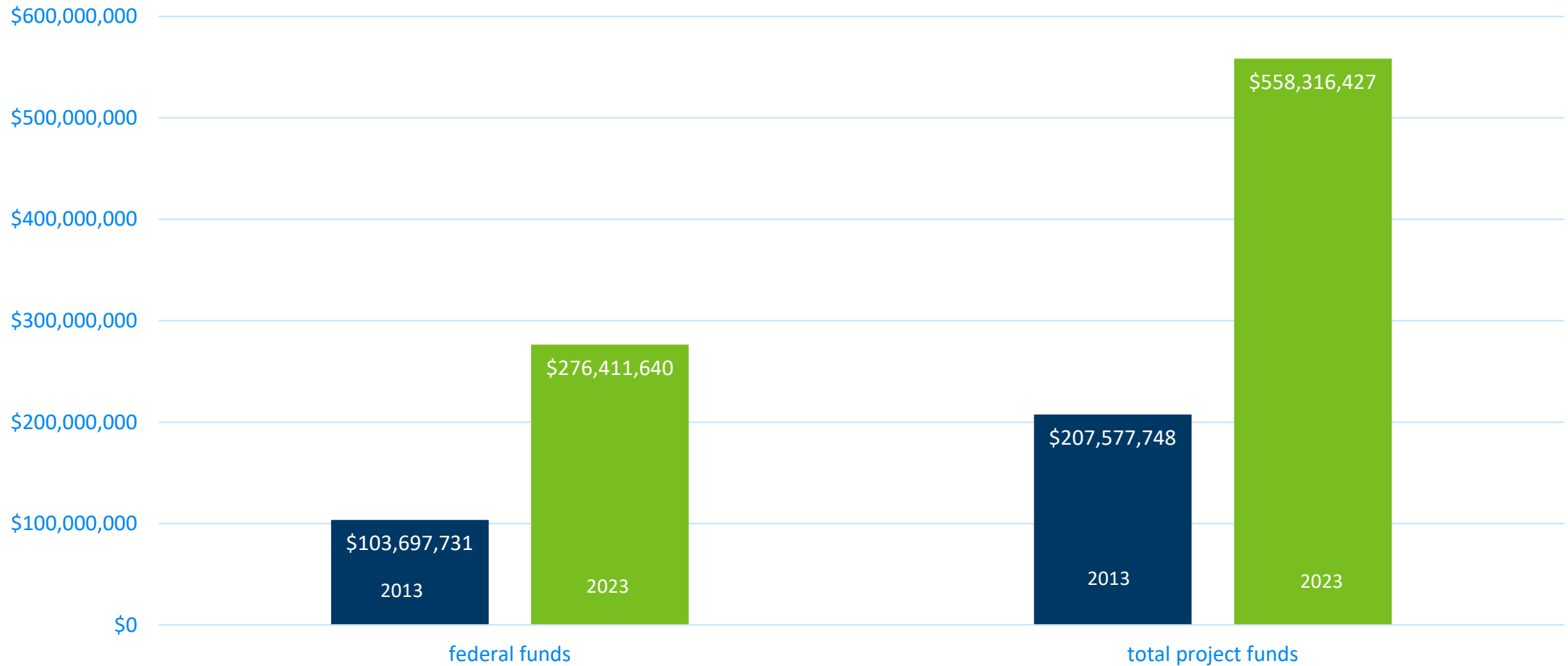
| Funding | 2013 | 2023 | Difference |
|---|-----------------|-----------------|---------------|
| County State Aid Highway (CSAH) | \$498,065,260 | \$703,722,519 | \$205,657,259 |
| Municipal State Aid Streets (MSAS) | \$149,370,510 | \$215,169,023 | \$65,798,513 |
| 5% Distribution (Town Road, Town Bridge, Flexible Highway Acct) | \$89,484,528 | \$126,735,804 | \$37,251,276 |
| All HUTDF | \$1,789,690,551 | \$2,534,716,086 | \$745,025,535 |

Note: Information taken from February Commissioners Order

Number of Federal Aid Projects



Federal Aid Funds and Total Project Funds



New IJA Discretionary Grants & Formula Programs – New Since 2013

| | | | | |
|---------------------------------|-------------------------------------|--|-----------------------------------|------------------------|
| PROTECT | PROTECT | BIP | Bridge Formula Program | RAISE |
| RURAL | NEVI | MEGA | SS4A | AID SMART |
| Thriving Communities | RR Crossing Elimination | NEVI | Rural & Tribal Assistance Program | INFRA (formerly TIGER) |
| Wildlife Crossing Pilot Program | Charging and Fueling Infrastructure | Electric Vehicle Charger Reliability and Accessibility Accelerator | Reconnecting Communities | Carbon Reduction |

Federal Threatened and Endangered Species – New Since 2013

Northern Long Eared
Bats (Endangered)
2023

Northern Long Eared
Bat (Threatened)
2015

Rufa Red Knot
2015

Dakota Skipper
2014

Dakota Skipper
(Critical Habitat)
2014

Poweshiek
Skipperling
2014

Poweshiek
Skipperling (Critical
Habitat)
2014

Monarch Butterfly
(candidate)
2020

Gray Wolf
1976, 2003, 2008,
2014, 2021

Rusty Patched
Bumble Bee
2017

Massasauga
2016



Environmental Documentation New Since 2013 and Additional Water Permitting Requirements

Migratory Birds Act

Bald and Golden Eagles
Act

Sole Source Aquifers

Wild and Scenic Rivers

Greenhouse Gases

International
Considerations

Public Environmental
Controversy

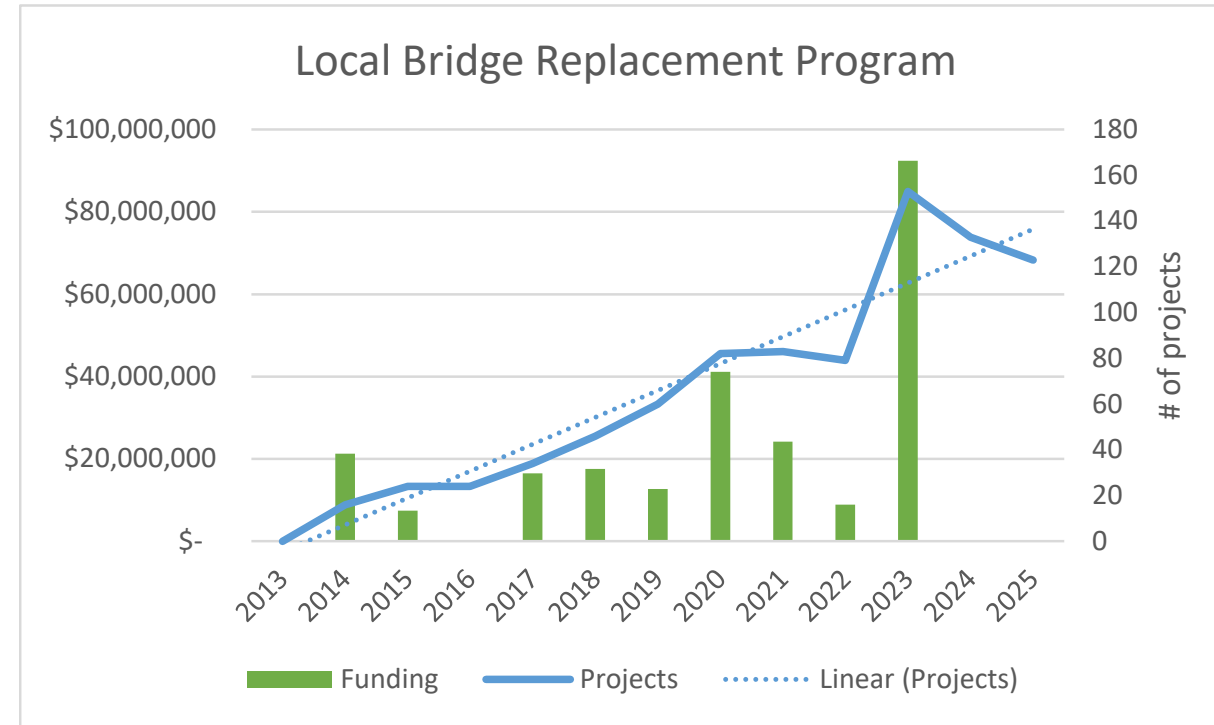
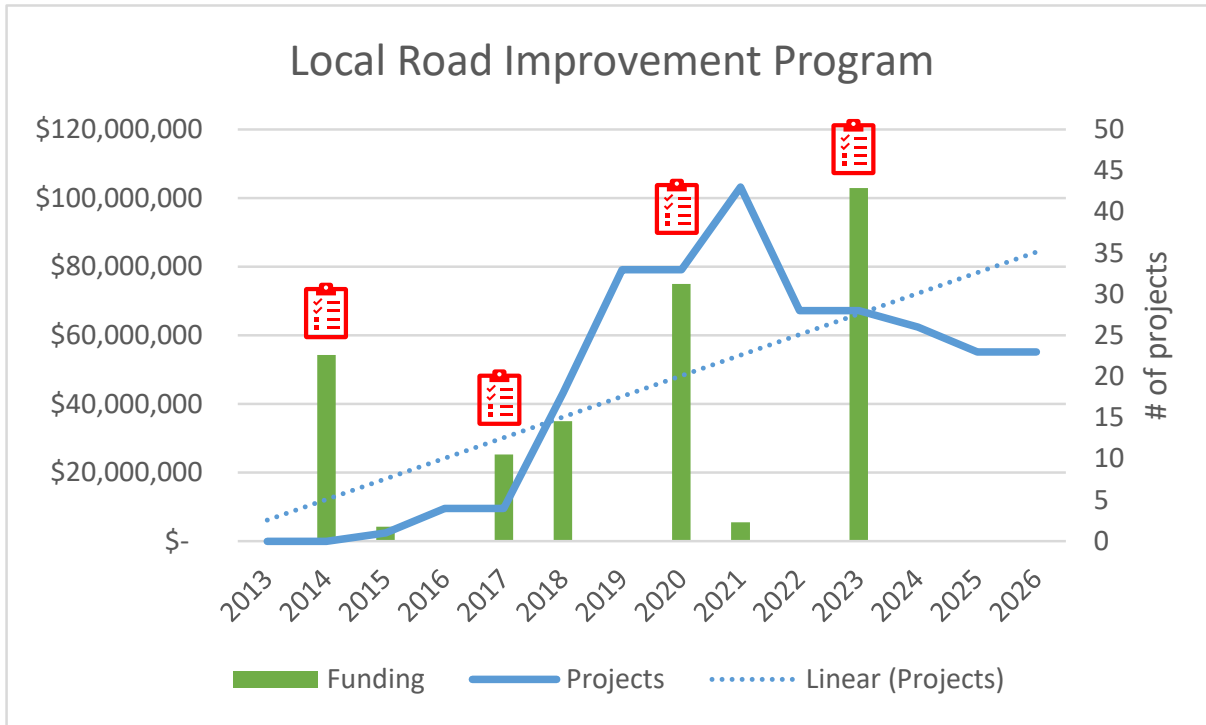
Contamination on MnDOT
R/W

MPO Boundaries

Intelligent Transportation
System

Army Corp of Engineers
MNDNR
MPCA
Watershed Districts

Competitive LRIP and LBRP Programs

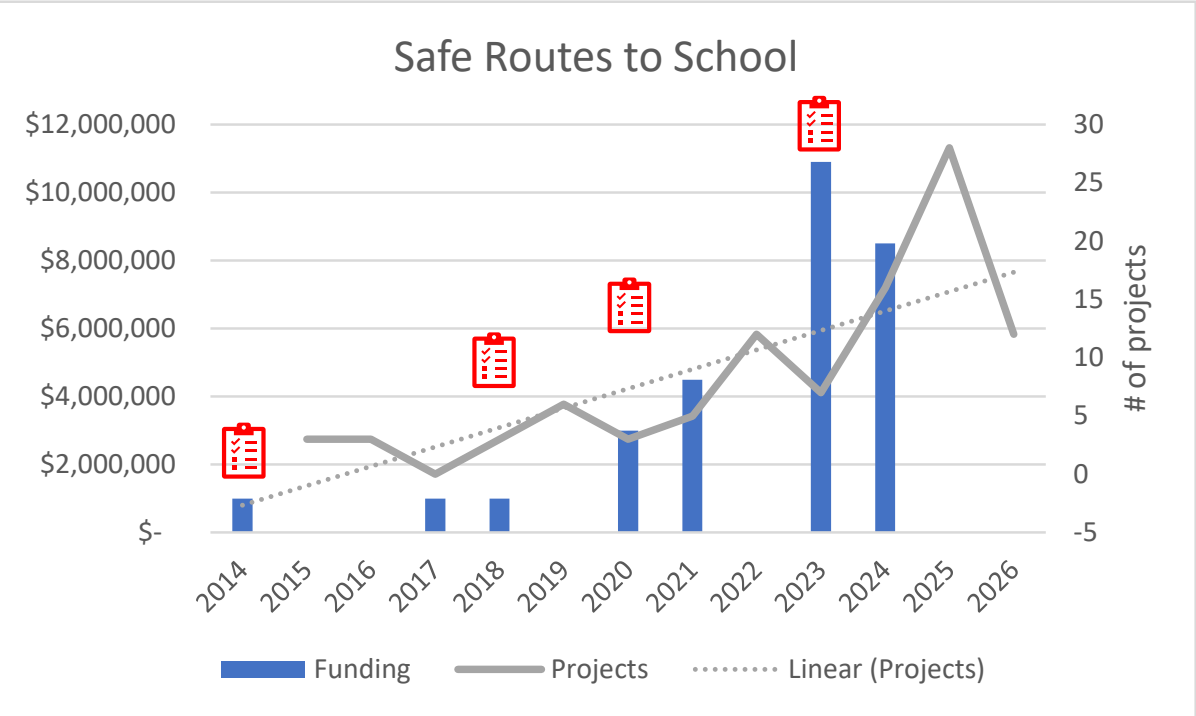


- Solicitations in 2014, 2017, 2020, 2023
- # of LRIP and LBRP projects in 2024 and beyond would increase with additional appropriations

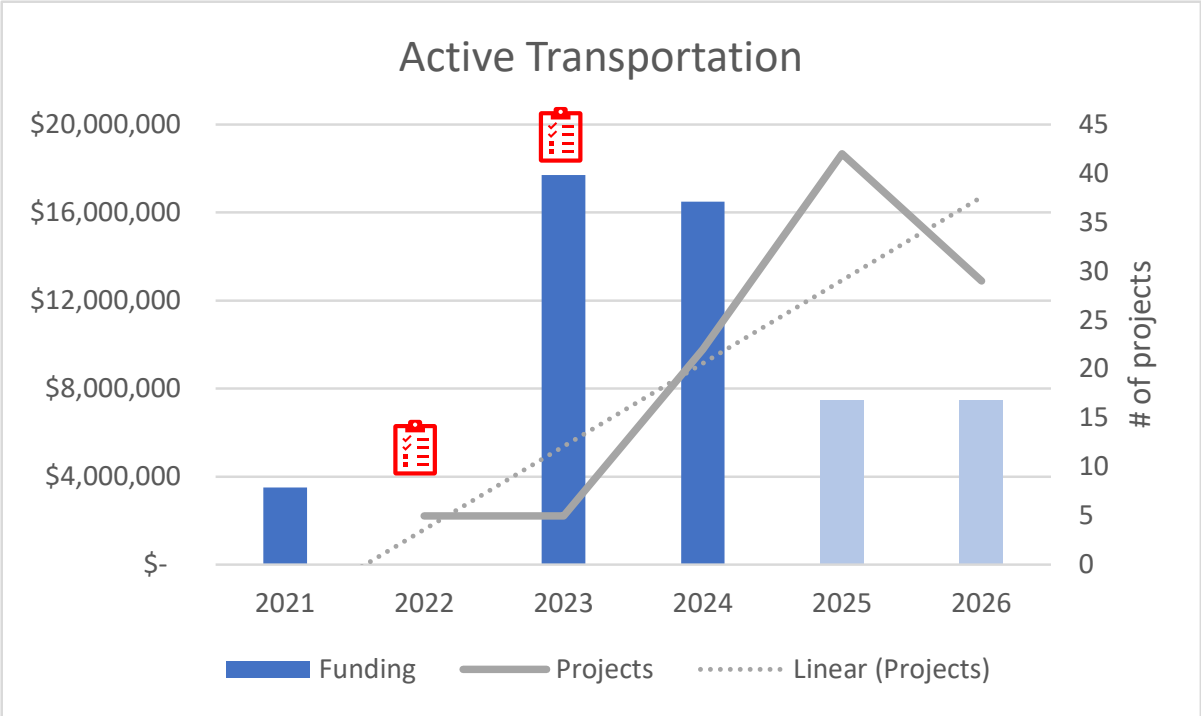
- Annual MVLST funding began in 2018
- Programs group also administers town bridge program, with ~\$20 million and ~70 town bridges per year

Competitive SRTS and AT Programs

Safe Routes to School



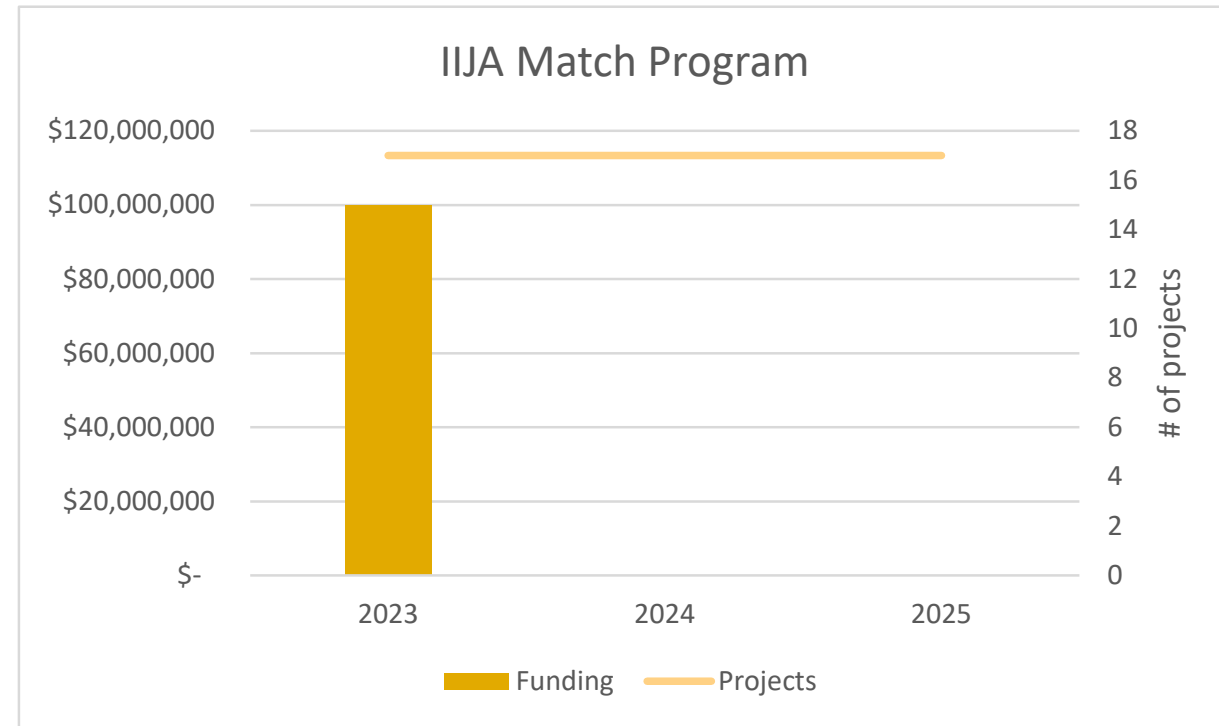
Active Transportation



- SRTS program created 2012; 1st time funded in 2014
- Solicitations in 2014, 2018, 2020, 2023

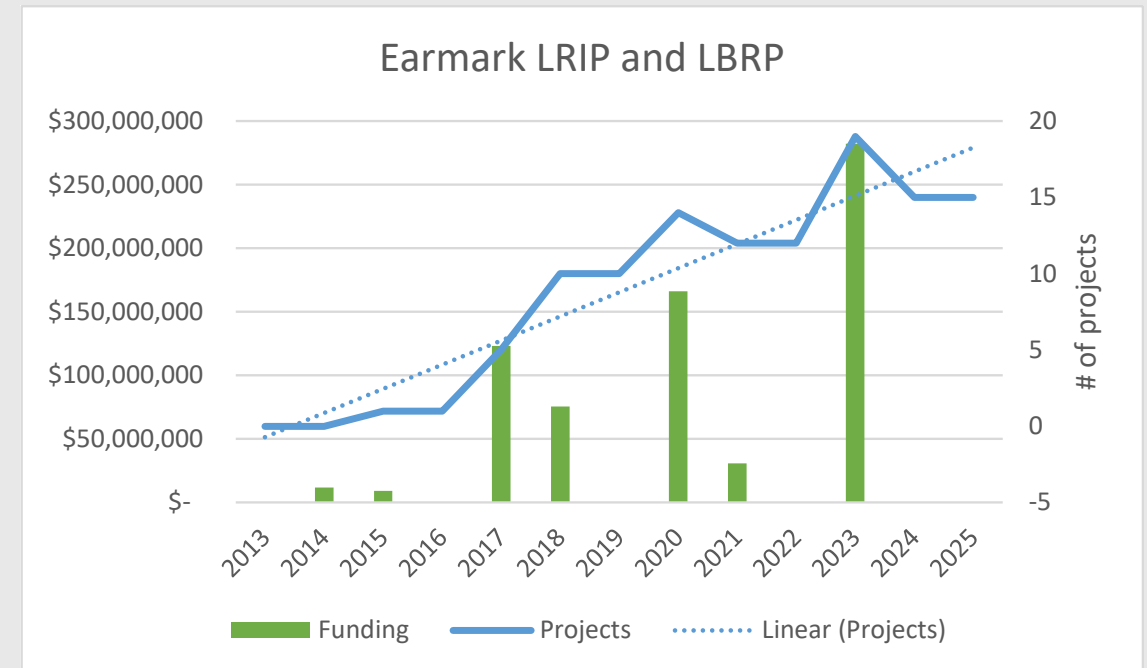
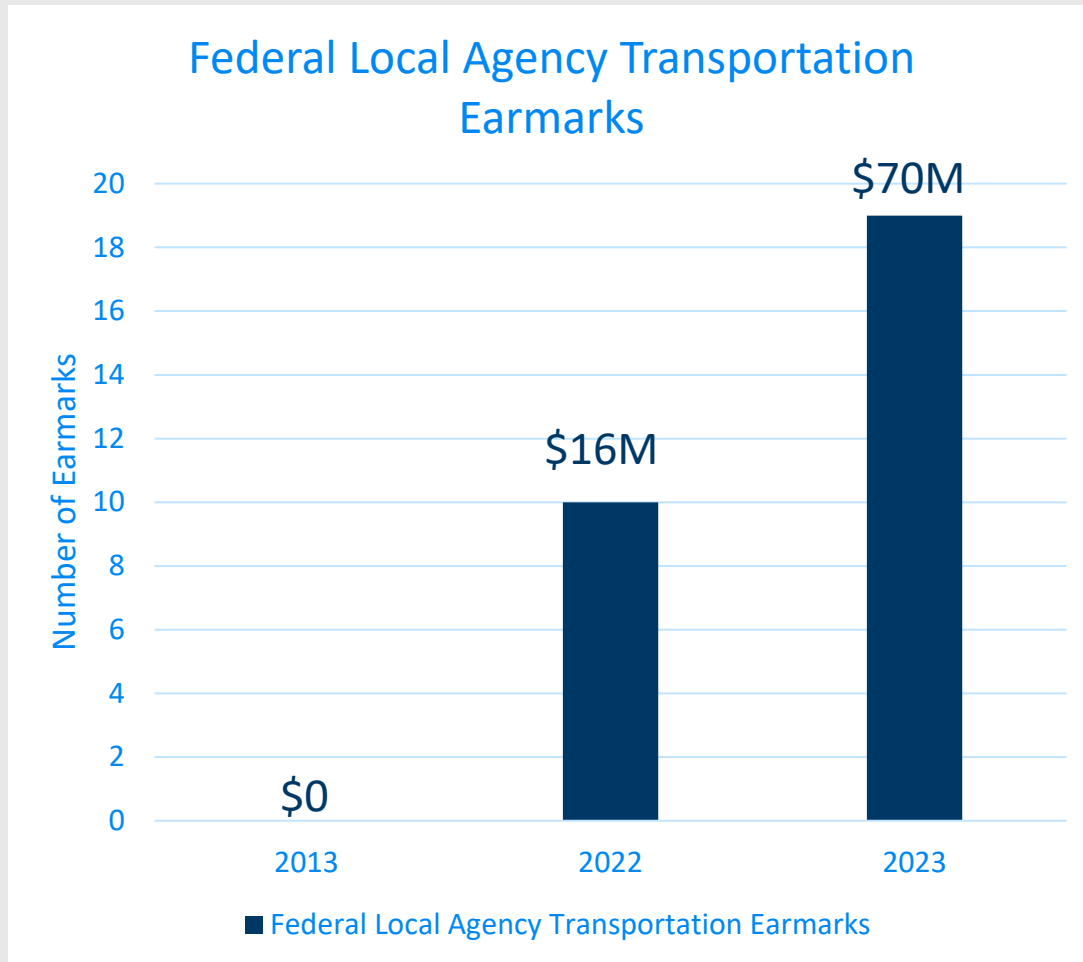
- AT program created 2017; 1st time funded in 2021
- Solicitations in 2022 and 2023
- \$7.5M/yr for AT in 2025 and beyond

IIJA Technical Assistance and Match Programs

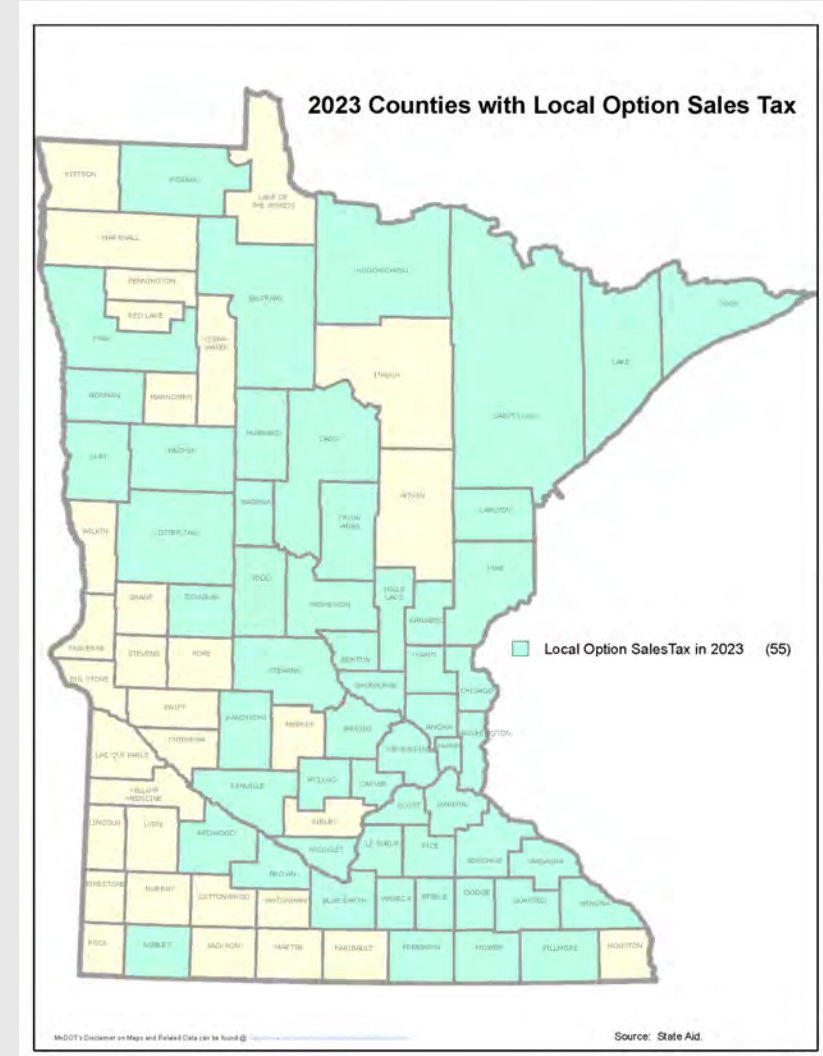
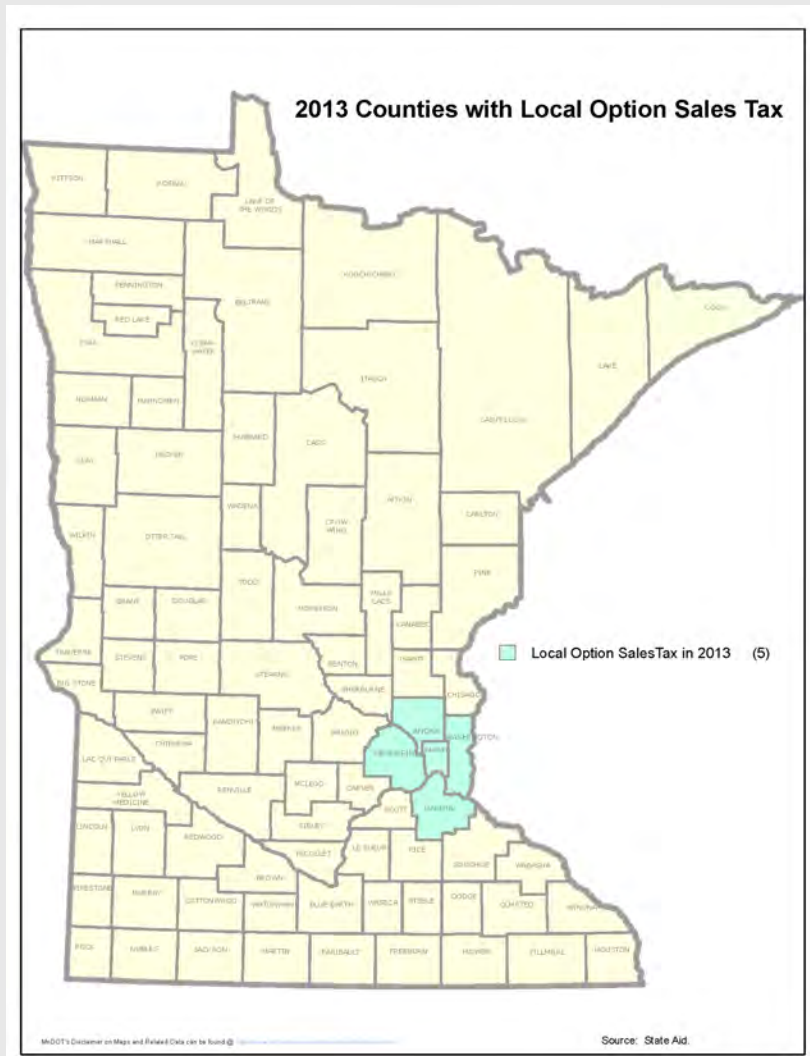


- Both programs created in 2023

Federal Congressionally Directed Spending and State Direct Appropriations (aka Earmarks)

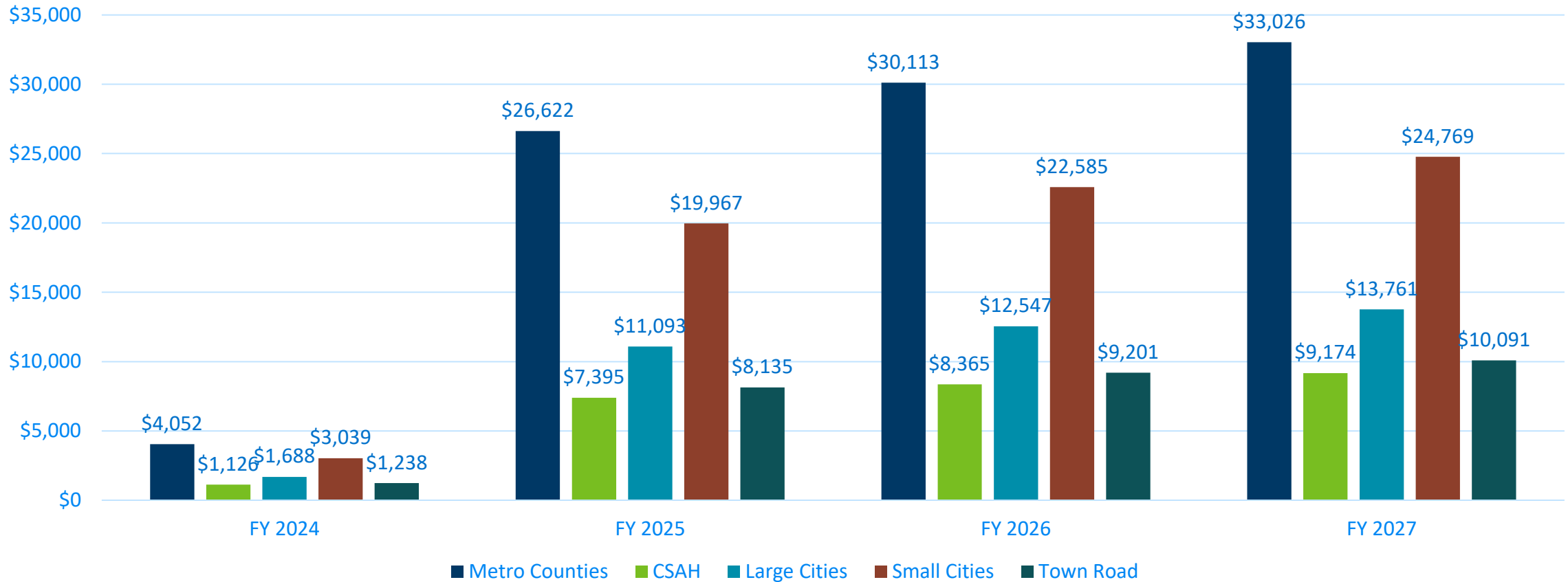


Counties Local Option Sales Tax (LOST)



Transportation Advancement Account (TAA)

TAA Forecast Revenues (in \$1,000's)



Local Bridge Inspection - 2013 vs. 2023

- 2013 Inspection Methods



1/18/2024

- 2023 Advanced Inspection Methods



mndot.gov

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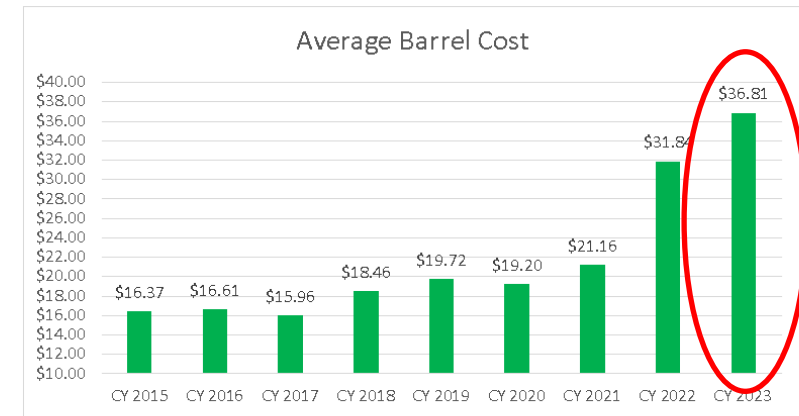
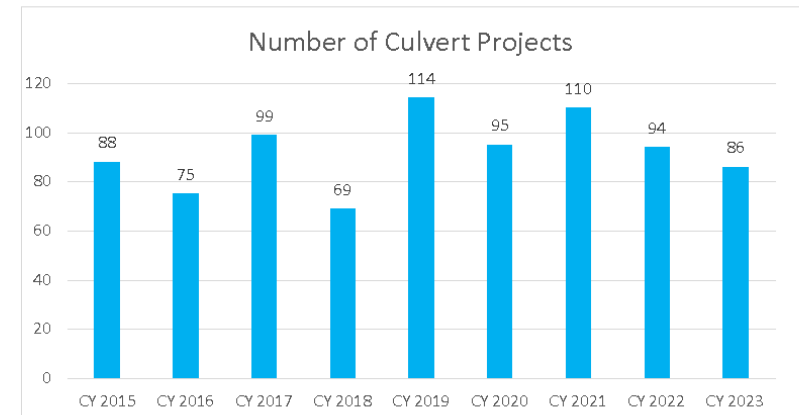
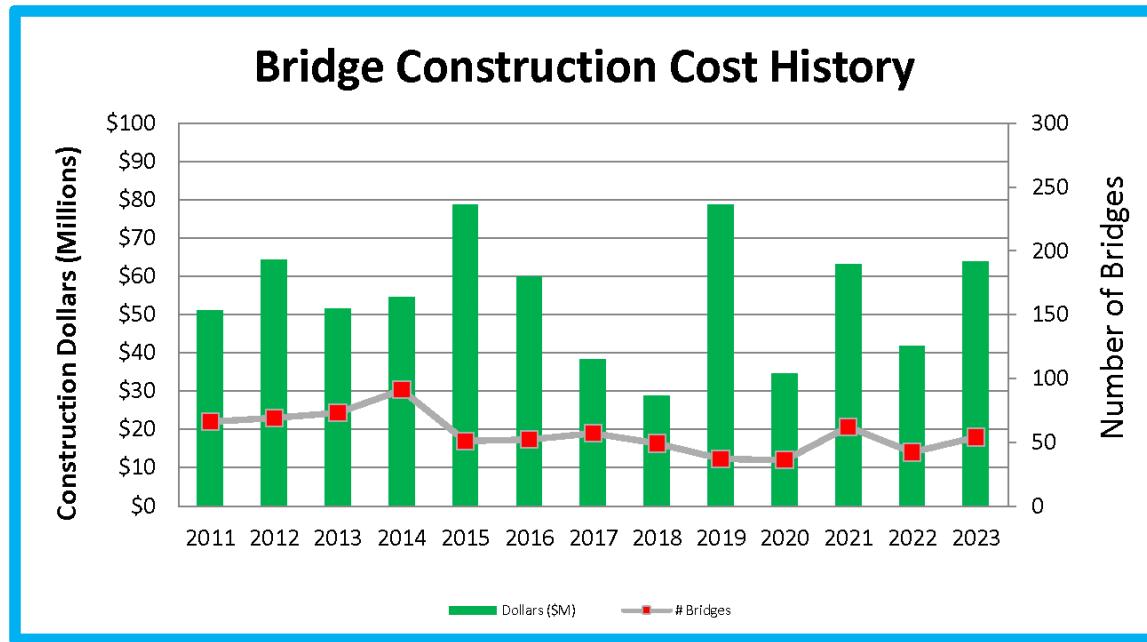
Local Bridge Inspection - 2013 vs. 2023

- 2013 State Aid Bridge Team Leaders

- 2023 State Aid Bridge Team Leaders



Bridge and Culvert Construction Costs and Projects



Documentation and Administration Requirements



Questions?

