

# 20-Year State Highway Investment Plan

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MINNESOTA GO

## Met Council Transportation Advisory Board

August 17, 2022

# Thanks for having us! Why are we here?

- MnDOT is planning for the future of your state highway system!
- MnDOT needs your input in determining which investments are most important to Minnesotans



# What are we planning for? What is MnSHIP?

SEPTEMBER 2022

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## 20-YEAR STATE HIGHWAY INVESTMENT PLAN



Identifying priorities for investing in state highways to maintain and improve the system over the next 20 years.

MINNESOTA **GO**

# What is MnSHIP?



Directs capital funding on the 11,703 miles of state highways



Budgets for estimated funding over 20 years



Identifies investments by categories but is not project specific



Part of the Minnesota GO Family of Plans



# Why MnSHIP matters?

MnSHIP investment direction guides the planning of projects and improvements on the state highway system

MINNESOTA GO  
50-YEAR VISION

Statewide Multimodal  
Transportation Plan



20-Year State  
Highway Investment Plan



**10-YEAR CAPITAL HIGHWAY  
INVESTMENT PLAN (CHIP)**

Project planning and development  
Updated annually

**4-YEAR STATE  
TRANSPORTATION  
IMPROVEMENT PROGRAM  
(STIP)**

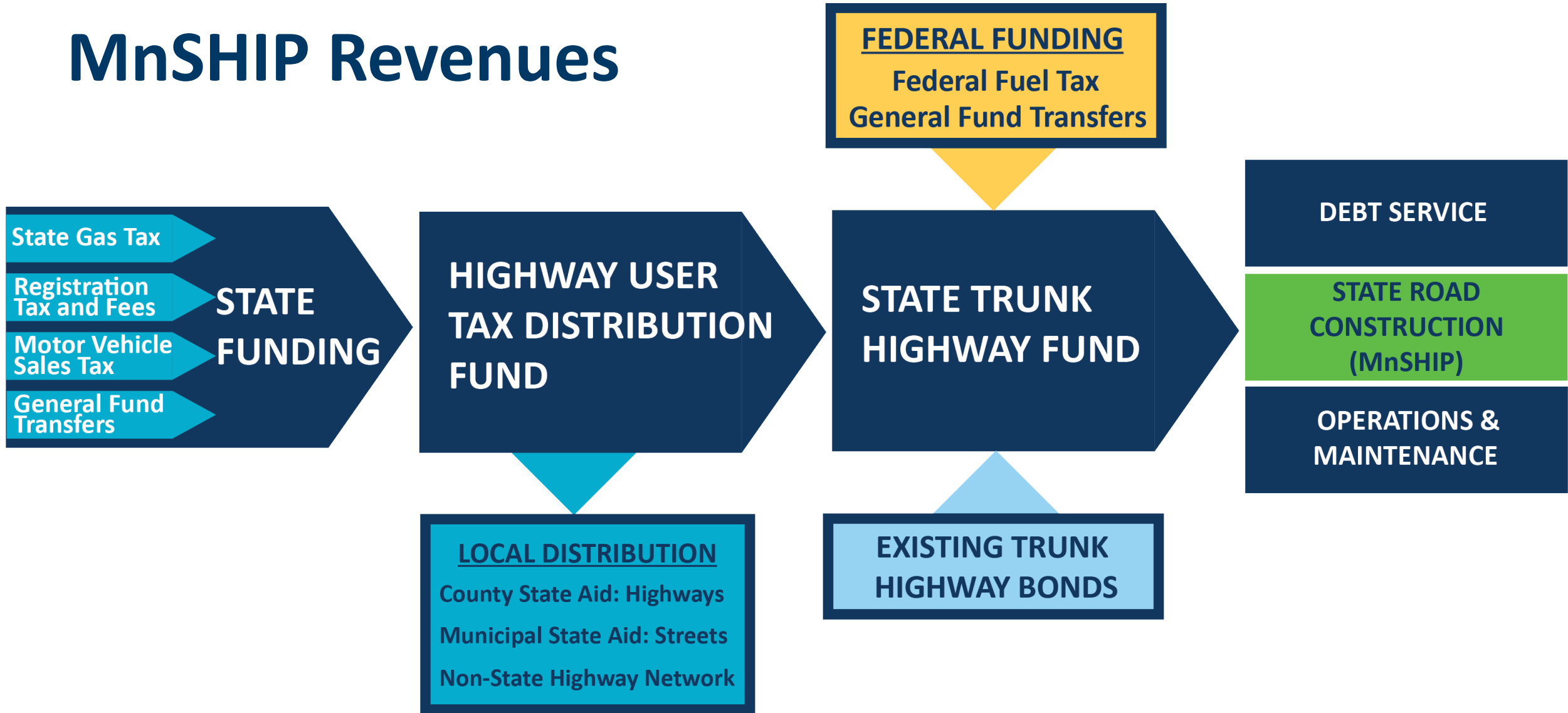
Project design and its program

CONSTRUCTION

# 100 Years of Highways

- **Minnesota's state highway system recently turned 100!**
- **History of system is complex**
- **State highways improved access between cities and towns throughout the state – supporting economic growth and vitality**
- **Construction of state highways also divided, disconnected and destroyed some communities**
- **Vehicle emissions contribute to climate change**
- **Much has changed in 100 years and more will change in the future. We need to ensure the benefits and burdens of future transportation decisions are equitable and work towards reducing existing inequities.**

# MnSHIP Revenues





**How much revenue  
is estimated?**

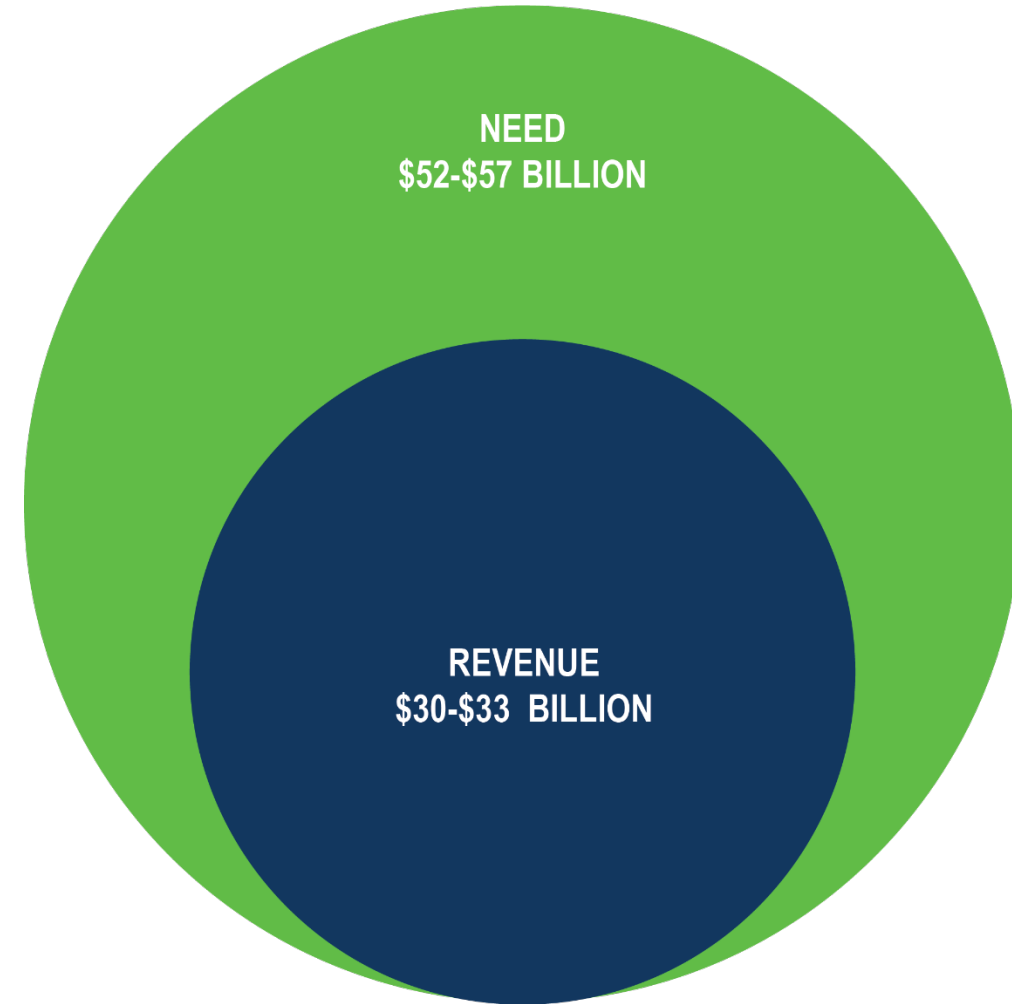
**\$30-33 Billion**  
(2023-2042)





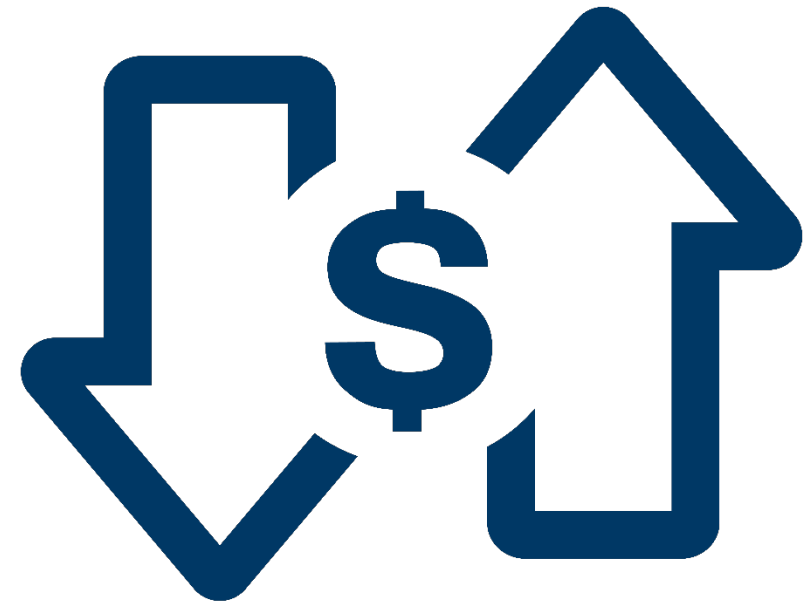
# Revenue vs. Need

- **MnDOT is projecting a funding gap of between \$19 – \$27 billion**
- Increase due to several factors
  - Projected costs of inflation
  - Refined and more thorough planning processes
  - New state goals in areas such as pedestrian and bicycle facilities and freight
- Low end of estimated need reflects Minnesota successfully achieving preliminary goals of reducing per capita Vehicle Miles Traveled (VMT)
- In addition to the needs identified by MnDOT, cities and counties have identified \$5-6 billion in priority investments on the state highway system



# Discussion of Priorities and Trade-Offs

- Estimated \$30-\$33 billion in available funding for the state highway system over the next 20 years
- A minimum of \$23.5 billion is needed to manage highest risks and meet obligations and requirements in each category
- An estimated \$7-\$9 billion of remaining funding is available for additional improvements or outcomes



**We need your input!**

**Go to:**

**[www.minnesotago.org/investment/](http://www.minnesotago.org/investment/)**

# Highway Budget Tool

**m** HIGHWAY BUDGET TOOL

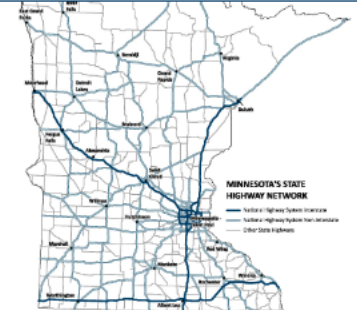
MnDOT

## Highway Budget Tool



### How do we come up with our budget?

Like you, MnDOT has a budget for its expenses. We all make responsible decisions to spend money on our basic needs—shelter, food, clothing. MnDOT makes responsible decisions to spend money to maintain the state highway system to a basic level of performance. We have to make tough decisions on how to spend resources in the most efficient and effective ways. Planning activities like the [Minnesota State Highway Investment Plan](#) help guide these decisions.



### Tell us about yourself!

Our goal is to get input from a wide range of people. We are collecting demographic information to identify who we're hearing from. Providing data is optional, however, by answering you will be helping MnDOT understand the needs and preferences of the diverse communities that MnDOT serves. Your responses will not be associated with you, personally.

Age

Are you of Hispanic descent?

What describes your racial/ethnic background?

What best describes how you think of yourself?

Zip Code

Get started →

# Highway Budget Tool – How to start?

[← Back](#)

## Choose how you want to start

Select a starter scenario



Take approximately 3 minutes to adjust the allocations for an established scenario



Prioritize Pavement / Current Approach



Prioritize Bridges



Adapt to Changing Technology and Climate



Prioritize Highway Capacity Expansion



Improve Mobility for All Highway Users



Focus on Safe and Equitable Communities

[Start with the minimum investment](#)



Take approximately 10 minutes to create a custom investment scenario from scratch

Add investments to see your baseline budget scenario.



AVAILABLE BUDGET

**\$30 - 33B**

Available Budget

**\$23.5B**

**\$23.5B**  
MINIMUM  
INVESTMENT

**\$0**

# Start from the minimum levels...

## Set your baseline budget

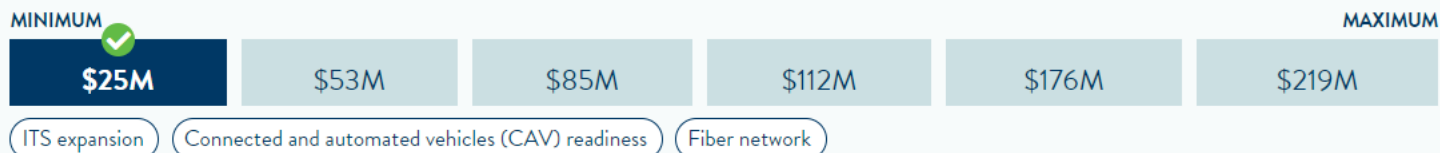
Pick and choose spending levels for different categories below. You can spend up to \$30-33 billion. This total is MnDOT's actual projected funding for the state highway system over the next 20 years.

[Choose another scenario](#) or [Start with the minimum investment](#)

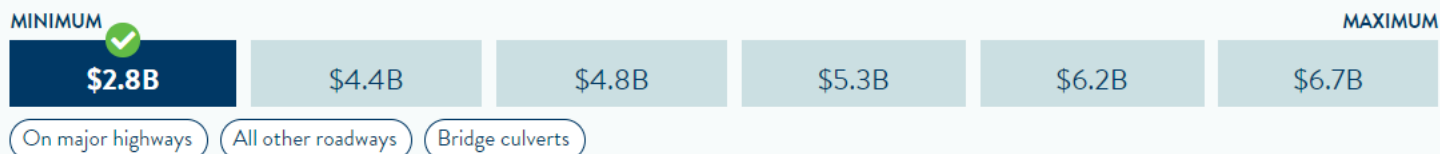
Add investments to see your baseline budget scenario.



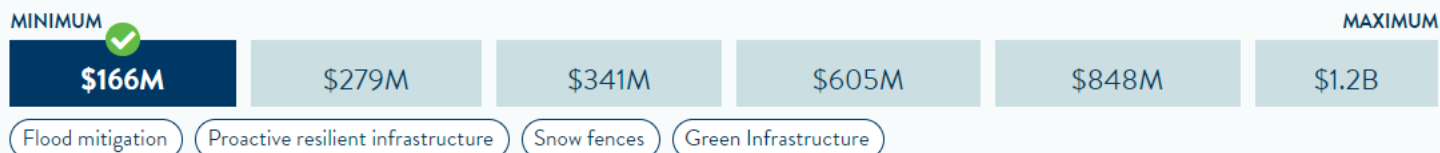
**Advancing Technology**  
[Learn more](#)



**Bridge Condition**  
[Learn more](#)



**Climate Resilience**  
[Learn more](#)



**Freight**  
[Learn more](#)



AVAILABLE BUDGET  
**\$30 - 33B**

Available Budget

\$23.5B

**\$23.5B**  
MINIMUM INVESTMENT

\$0

# ...or start from an approach

## Set your baseline budget

Pick and choose spending levels for different categories below. You can spend up to \$30-33 billion. This total is MnDOT's actual projected funding for the state highway system over the next 20 years.

[Choose another scenario](#) or [Start with the minimum investment](#)

Your baseline budget scenario:  
**Prioritize Pavement / Current Approach**



[Learn more](#)

[Continue](#) →

AVAILABLE BUDGET  
**\$30 - 33B**

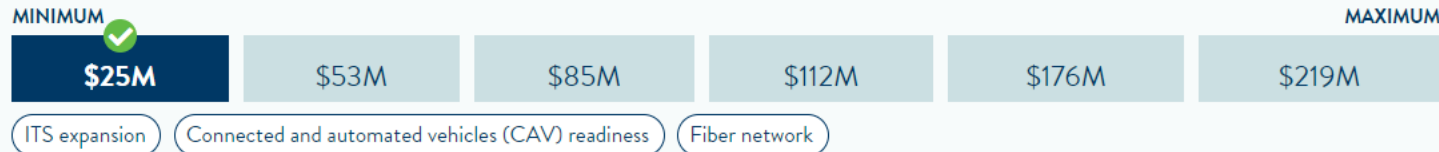
Available Budget

**\$31.2B**

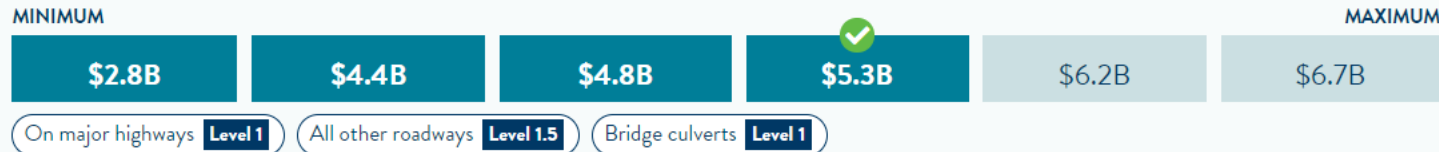
**\$23.5B**  
MINIMUM INVESTMENT

**\$0**

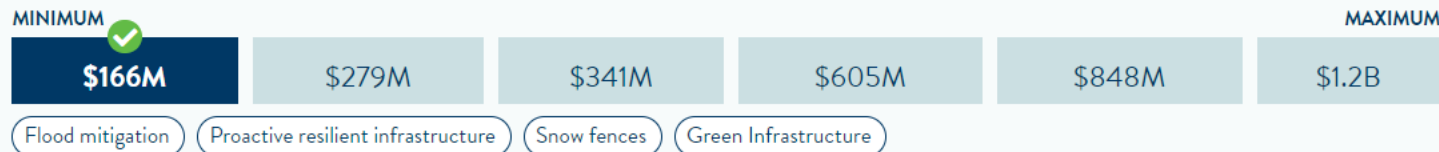
**Advancing Technology**  
[Learn more](#)



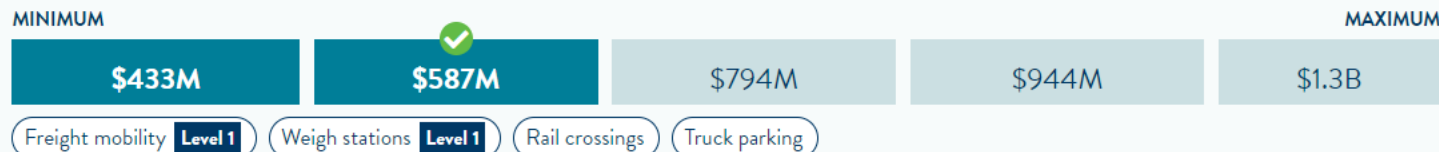
**Bridge Condition**  
[Learn more](#)



**Climate Resilience**  
[Learn more](#)



**Freight**  
[Learn more](#)



MINIMUM  MAXIMUM

# Looking more details?

## Set your baseline budget

Pick and choose spending levels for different categories below. You can spend up to \$30-33 billion. This total is MnDOT's actual projected funding for the state highway system over the next 20 years.

Choose another scenario ▼ or [Start with the minimum investment](#)

Your baseline budget scenario:

Custom



Continue →

AVAILABLE BUDGET

**\$30 - 33B**

Available Budget

**\$32.2B**

**\$23.5B**  
MINIMUM INVESTMENT

**\$0**

### Advancing Technology

Learn more

Advancing Technology focuses on implementing new technologies on the state highway system. Investments help prepare for transformative technology advancements such as connected and autonomous vehicles, traffic signal management, or advanced work zone safety. Improvements focus on expanding the MnDOT's fiber network along highways and ensure the state's intelligent transportation system infrastructure is maintained and expanded.

MINIMUM



MAXIMUM

On major highways **Level 1** All other roadways **Level 1.5** Bridge culverts **Level 1**

MINIMUM

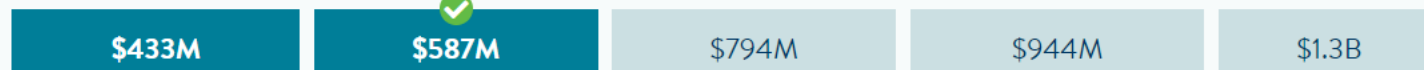


MAXIMUM

Flood mitigation **Level 2** Proactive resilient infrastructure **Level 3** Snow fences **Level 3** Green Infrastructure **Level 3**

**Strategy Level 3** - Up to 475 miles of roadways with new/improved green infrastructure

MINIMUM



MAXIMUM

Freight mobility **Level 1** Weigh stations **Level 1** Rail crossings Truck parking

MINIMUM

MAXIMUM



# Uh-oh, you went over!

## Set your baseline budget

Pick and choose spending levels for different categories below. You can spend up to \$30-33 billion. This total is MnDOT's actual projected funding for the state highway system over the next 20 years.

Choose another scenario or Start with the

Your baseline budget scenario:  
**Custom**



**Advancing Technology**  
Learn more

**Bridge Condition**  
Learn more

**Climate Resilience**  
Learn more

**Freight**  
Learn more

MINIMUM

\$25A

MINIMUM

\$2.8B

\$4.4B

\$4.8B

\$5.3B

\$6.2B

\$6.7B

MINIMUM

\$166M

\$279M

\$341M

\$605M

\$848M

MAXIMUM  
\$1.2B

MINIMUM

\$433M

\$587M

\$794M

\$944M

MAXIMUM  
\$1.3B

MINIMUM

MAXIMUM



### Budget Exceeded!

You have exceeded your available budget!  
Please reduce an investment.

Close



**Budget Exceeded**  
You are \$0.6B over budget

AVAILABLE BUDGET

\$30 - 33B

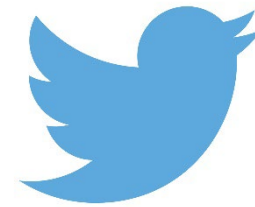
\$33.6B

\$23.5B  
MINIMUM INVESTMENT

\$0

# Help us spread the word!

- Share the link to the online investment budgeting tool
- Follow MnDOT on social media and share MnSHIP posts
- Sign up for e-mail updates
- Request a presentation for your organization
- We're also traveling around the state attending community events

A screenshot of the MnDOT Highway Budget Tool website. The page features a header with the MnDOT logo and the title 'Highway Budget Tool'. Below the header is a decorative graphic with a calculator, a dollar sign, and a map of Minnesota. The main content area is divided into two sections: 'How do we come up with our budget?' and 'Tell us about yourself!'. The 'Tell us about yourself!' section contains several dropdown menus for 'Age', 'Are you of Hispanic descent?', 'What describes your racial/ethnic background?', and 'What best describes how you think of yourself?'. There is also a text input field for 'Zip Code' and a 'Get started' button. The footer includes the 'MINNESOTA GO' logo and a 'Translate This Site' link.

# Timeline

- **Now to end of September** – 1<sup>st</sup> public engagement period
- **Fall 2022** – Compile a draft investment direction
- **Winter 2023** – 2<sup>nd</sup> public engagement period
  - Present and gather feedback on draft investment direction
  - Identify priorities for +\$2 B and +\$6 B increasing revenue investment directions
- **Spring/Summer 2023** – Compile draft plan and seek public comment
- **Late Summer 2023** – Adopt final plan

# Questions?

# Thank you again!

Brad Utecht, Project Director

*Bradley.Utecht@state.mn.us*

651-366-4835

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