



# US 212 & TH 5 Update

SWCTC April 28, 2022



Public Works



# Phase 1 (Dahlgren Township) Schedule



\*Construction is anticipated to be complete by late August 2022, 2 months earlier than planned.



# Phase 1 (Dahlgren Township) Construction Bid Funding Splits

<u>Funding Source</u>	<u>Amount</u>
Regional Solicitation Federal Funds	\$7,000,000.00
Federal Freight Funds	\$6,321,153.28 *
MnDOT SRC Funds	\$5,050,000.00
MnDOT Federal Funds	\$8,950,000.00
<u>Carver County Sales Tax Funds</u>	<u>\$517,788.32</u>
<b>Total</b>	<b>\$27,838,941.60</b>

\* A total of \$7.5 million of Federal Freight Funds is available for this project and the remaining \$1.2 million is being used for costs over the bid amount with Sales Tax as the 20% match.



# Phase 1 (Dahlgren Township)

## Estimated Project Costs

### Right of Way

Right of Way Acquisition Funding	Estimate	Actual + Estimate to Complete *
MnDOT SRC Funds	\$2.5 million	\$2.2 million
Carver County Sales Tax	\$2.5 million	\$2.2 million

\* 3 parcels are in eminent domain with land commissioner hearings in the Summer 2022

### Construction

Bid Amount	Cost Changes	Estimate to Complete	Percent Change
\$28 million	\$1.4 million	\$29.4 million	+5.05%

MnDOT's Eden Prairie construction office is performing construction administration as an in kind contribution to the project.

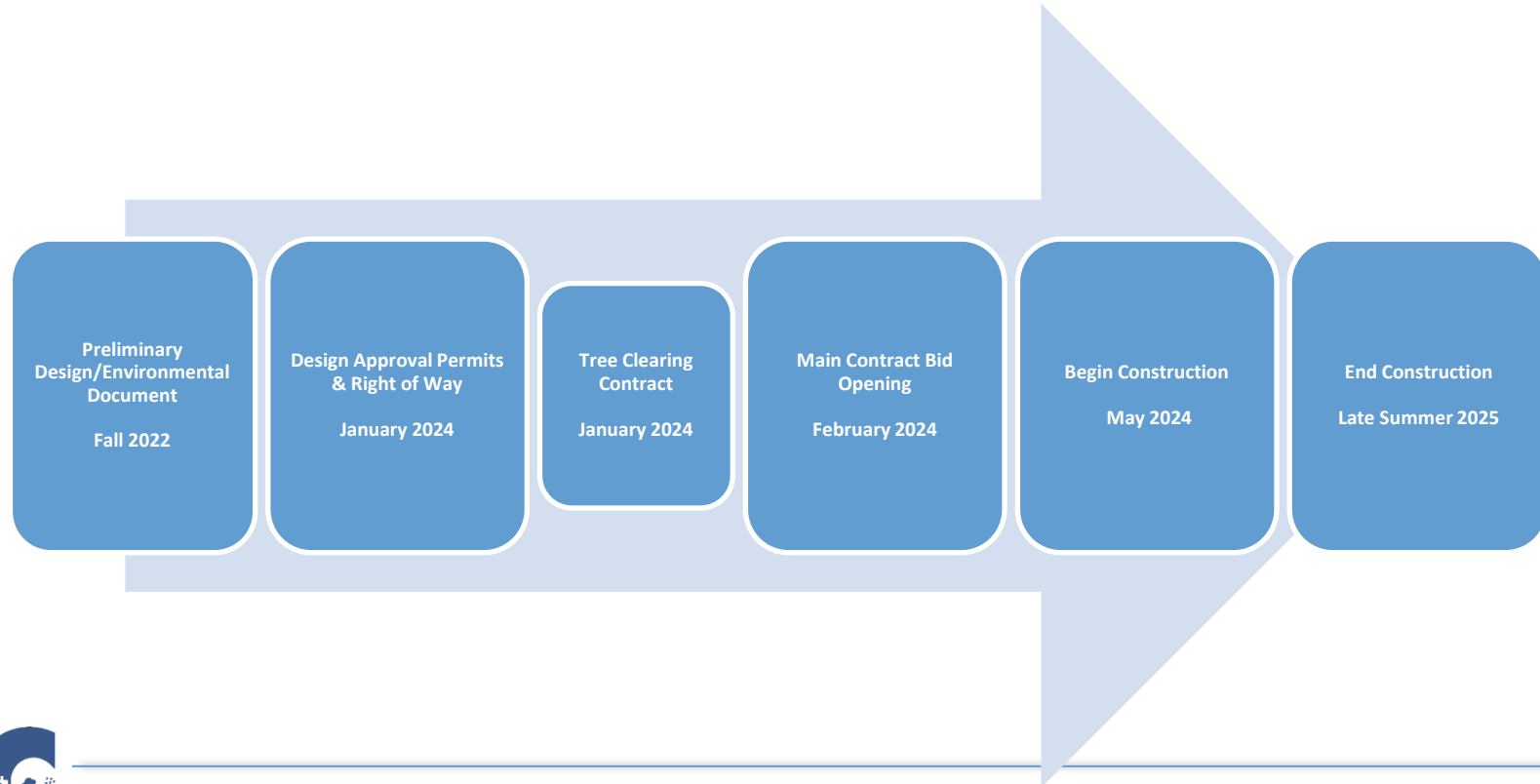


# Phase 1 (Dahlgren Township) Project Risks

- High Tension Cable Guardrail Availability (schedule/cost delay likely)
- No Fuel Escalation Clause (positive cost risk reduction)
- Grading work almost complete (positive schedule risk reduction)
- Surcharge Area is complete (positive schedule risk reduction)



# Phase 2 (Benton Township) Schedule



# Phase 2 (Benton Township)

## Cost Estimate

<u>Project Tasks</u>	<u>Amount</u>
Preliminary Design & Environmental	\$900,000
Final Design	\$2,000,000
Right of Way Acquisition	\$3,000,000
Construction	\$47,000,000
Contingency	\$4,000,000
<u>Construction Administration (In Kind)</u>	<u>\$2,550,000 *</u>
<b>Total</b>	<b>\$59,450,000</b>

\*The MnDOT Eden Prairie construction office has indicated a willingness to perform this work.



# Phase 2 (Benton Township)

## Funding Splits

<u>Funding Source</u>	<u>Amount</u>
Regional Solicitation Federal Funds	\$3,500,000
Federal Freight Funds	\$7,500,000
Federal Community Project Funds	\$2,500,000
State of Minnesota Bond Funds (2020)	\$3,920,000
State of Minnesota Bond Funds (2021)	\$25,000,000
MnDOT Construction Admin (In Kind)	\$2,550,000
<u>Carver County Sales Tax Funds</u>	<u>\$14,500,000 *</u>
<b>Total</b>	<b>\$59,450,000</b>

\*Carver County is applying for \$10 million of RAISE and \$10M BUILD funding and \$4 million of additional Federal Community funding to reduce this amount.





# Phase 2 (Benton Township)

## Project Risks

- Approval of Staff Approved Layout (schedule risk)
- Environmental Documentation Approvals (schedule risk)
- Inflation to Major Project Items (cost risk)
- Supply Chain Issues (pre-order to reduce cost/schedule risk)
- Quadrant Interchange at CSAH 51 (schedule/cost risk)
- Geotechnical Design in Poor Soils (cost/schedule risk)
- MnDOT Eden Prairie Construction Administration (cost/staffing risk)



# TH 5 / Arboretum Area Improvements

## SWCTC Meeting



LANDSCAPE ARBORETUM  
UNIVERSITY OF MINNESOTA  
**Driven to Discover®**



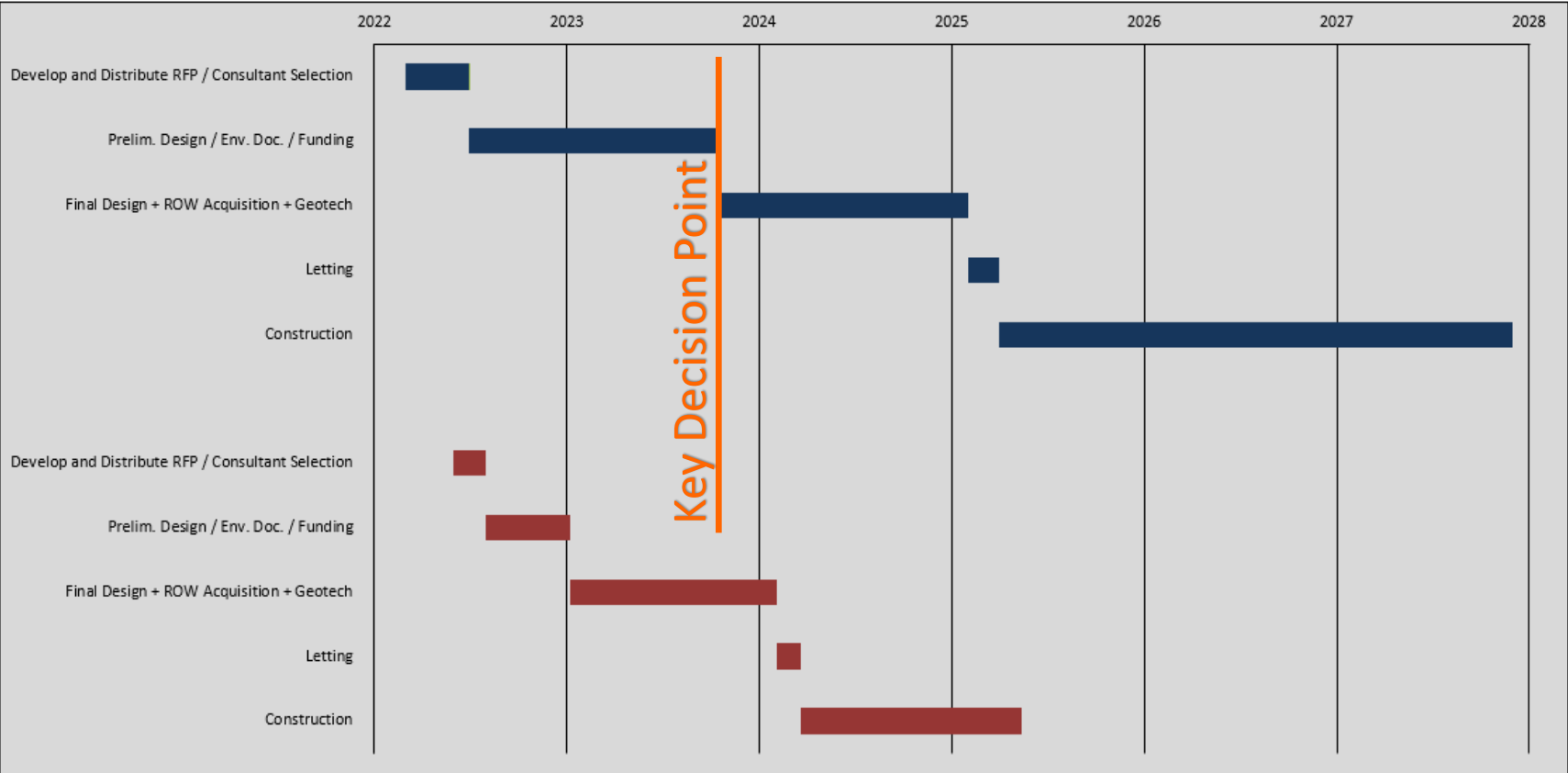
CITY OF  
**Chaska**  
MINNESOTA

# Current Carver County Focus

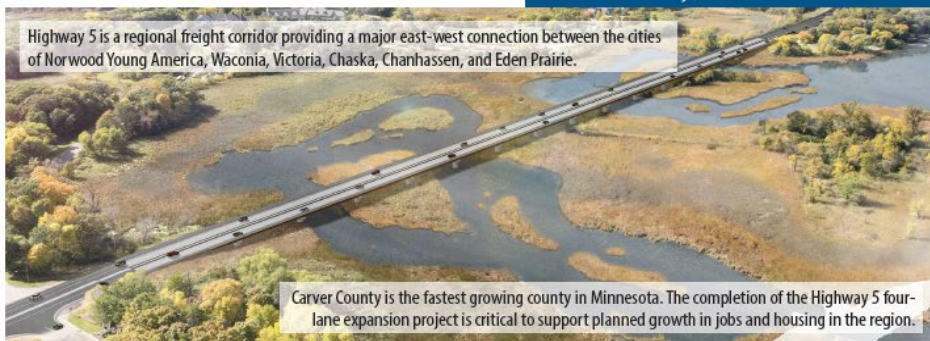


# Schedule

## Highway 5 Phase I Improvements







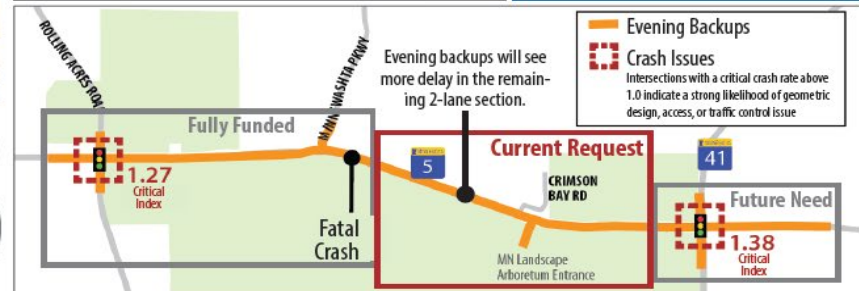
When complete, the Highway 5 four-lane expansion project will reduce crashes and improve traffic operations resulting in improved mobility and reliability for all users. Project partners have been developing a shared vision for 3 years and are now seeking funds to implement the region's top priorities.

### Today's Issues

- 27,000 vehicles (800 heavy commercial) per day (2019)
- Travel demands 50% above typical threshold for 4-lane conversion
- 180,000+ hours of annual peak period delay by 2040
- 21 crashes from 2014-2018 - above the state average
- The MN Landscape Arboretum attracts 500,000 visitors per year

### Investment Results

- 70% delay reduction
- Accommodates up to 50,000 vehicles per day
- Efficient & reliable vehicle mobility
- Safe accommodation of all system users
- A solution that respects the environment



Fully funded \$29M project to expand Highway 5 to a 4-lane roadway in 2025

Current request to address remaining 2-lane system gap

Future Need



# Arboretum Entrance Relocation





# Preliminary TH 5 Funding Plan

Investment Needed	
Construction Cost	\$85,100,000
ROW Cost	\$6,200,000
Project Development and Delivery (20%)	\$17,100,000
Preliminary Design	\$2,435,500
Minnewashta Parkway Traffic Study	\$75,000
ROW Attorney / Legal / Acquisition	\$1,250,000
Final Design / Geotechnical	\$5,531,500
Construction Administration/Communications/Misc.	\$1,000,000
Construction Engineering (8% Construction Cost)	
Trunk Highway Eligible Share	\$6,308,000
Non Trunk Highway Eligible Share	\$500,000
Total Cost	\$108,400,000



# Preliminary TH 5 Funding Plan

## Committed Funding Sources

Sources		FY	Funding Eligibility		
			Const.	ROW	Prof. Svcs.
Carver County (Local Option Sales Tax)	\$ 20,000,000		X	X	X
Carver County (CSAH Funds)	\$ 4,500,000		X	X	X
City of Chanhassen - Local Funds	\$ 500,000		X		X
City of Victoria - Local Funds	\$ 2,400,000		X		
University of Minnesota	\$ 60,000		X		
Met Council Regional Solicitation (STP) (Expansion - Rolling Acres / Minnewashta Parkway Area)	\$ 10,000,000	2025	X		
Congressionally Directed Spending (2021) (Member Designated Projects)	\$ 2,000,000	2022			X
MnDOT Commitment - State TH Funds	\$ 500,000	2023-24			X
MnDOT Commitment - State TH Funds	\$ 4,350,000	2029 CHIP	X		

Subtotal of Commitments \$44,310,000 | Gap \$64,090,000





# Preliminary TH 5 Funding Plan

## Funding Pursuits

Sources		FY	Solicitation Timing	Funding Eligibility		
				Const.	ROW	Prof. Svcs.
Regional Solicitation - Strategic Capacity	\$ 10,000,000	2026	<b>Submitted</b>	X		
Regional Solicitation - Strategic Capacity	\$ 10,000,000	2026	<b>Submitted</b>	X		
2022 Congressionally Directed Spending (CDS)	\$ 3,000,000	2025	<b>Submitted</b>		X	X
State of MN – 2022 Bonding	\$ 20,000,000		<b>Active</b>		X	X
MnDOT Freight Investment Program (MHFP)	\$ 10,000,000	2026	Summer 2022	X		
MnDOT TED	\$ 5,000,000	2025	Summer 2022	X	X	
MnDOT TEDI	\$ 1,000,000	2025	Summer 2022	X		
Local Road Improvement Program (LRIP)	\$ 1,250,000	2028	Summer 2022	X	X	X
Congressionally Directed Spending (CDS)	\$ 2,000,000	2024	Spring 2023	X	X	
RAISE/INFRA	\$ 25,000,000	2023	Spring 2023	X	X	X
Safe Streets and Roads for All	\$ 3,000,000	2025	Spring 2023	X	?	X
State of MN – 2023 Bonding	\$ 20,000,000		Spring 2023	X	X	X
Corridors of Commerce	\$ 20,000,000	2025	Spring 2023	X		
Local Partnership Program (LPP)	\$ 710,000	2025	Summer 2023	X		
Legislative-Citizen Commission on MN Resources	\$ 1,200,000	2025	Winter 2023	X	X	X
Congressionally Directed Spending (CDS)	\$ 2,000,000	2025	Spring 2024	X		
Regional Solicitation - Strategic Capacity (AC)	\$ 10,000,000	2028	Spring 2024	X		
MnDOT Construction Services	\$6,308,000					X

