



Update On 2022 Dakota County Greenway Projects

**Physical Development Committee of the Whole
September 13, 2022**

Tony Wotzka, Transportation
Jeff Bransford, Parks, Facilities and Fleet Management

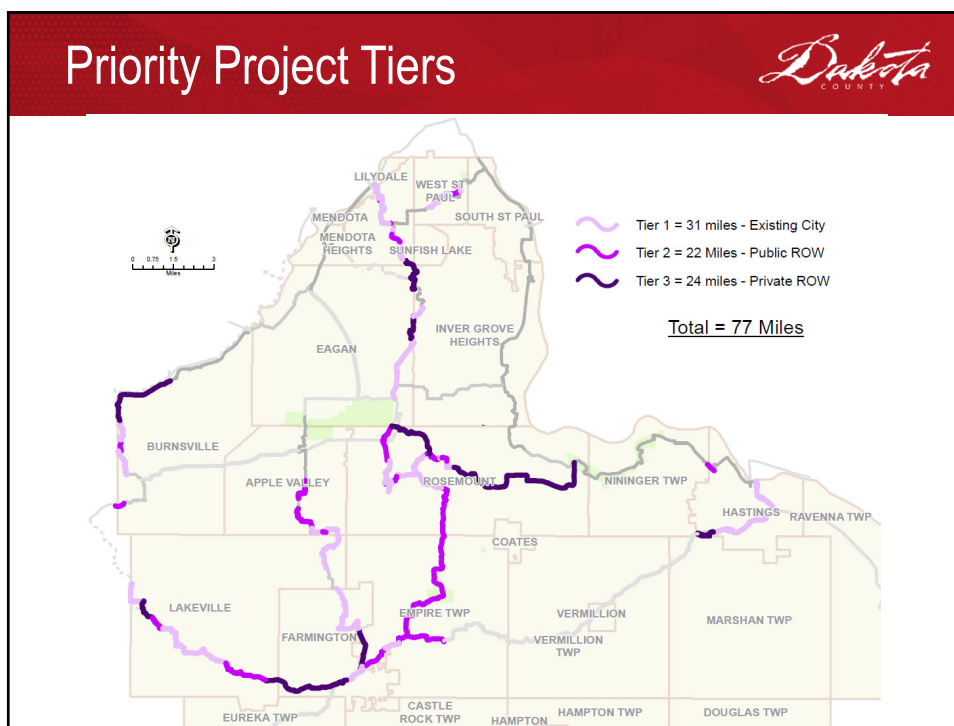
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Overview



- Overview and Recap
- 2022 Priority Tier 1 & 2 Projects
- 2022 Approved for Design and Construction
- 2022 Greenway Collaborative Projects

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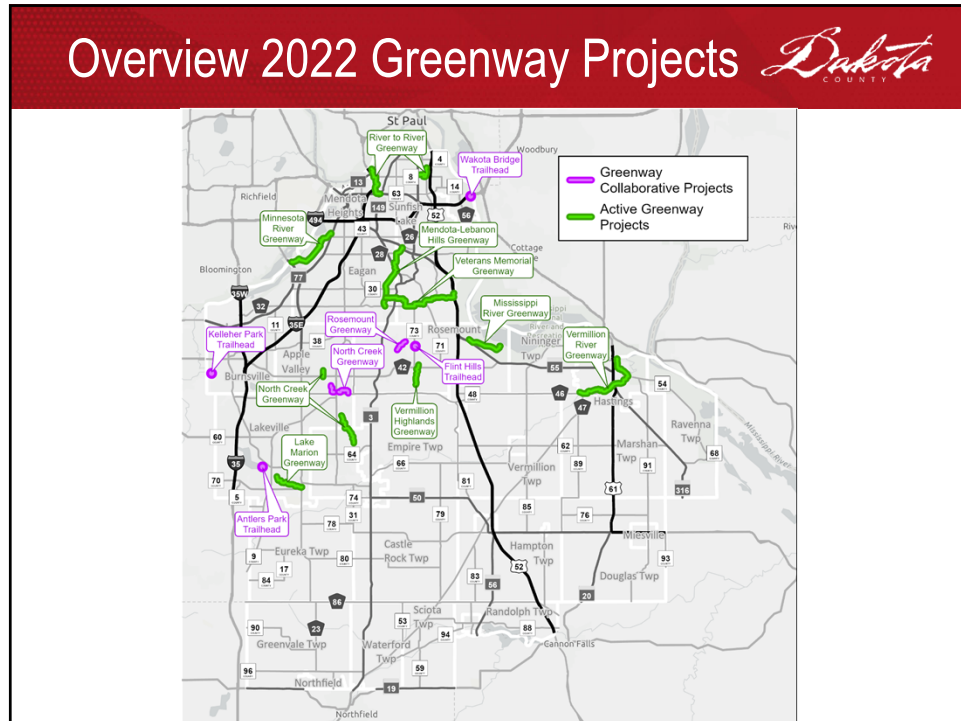


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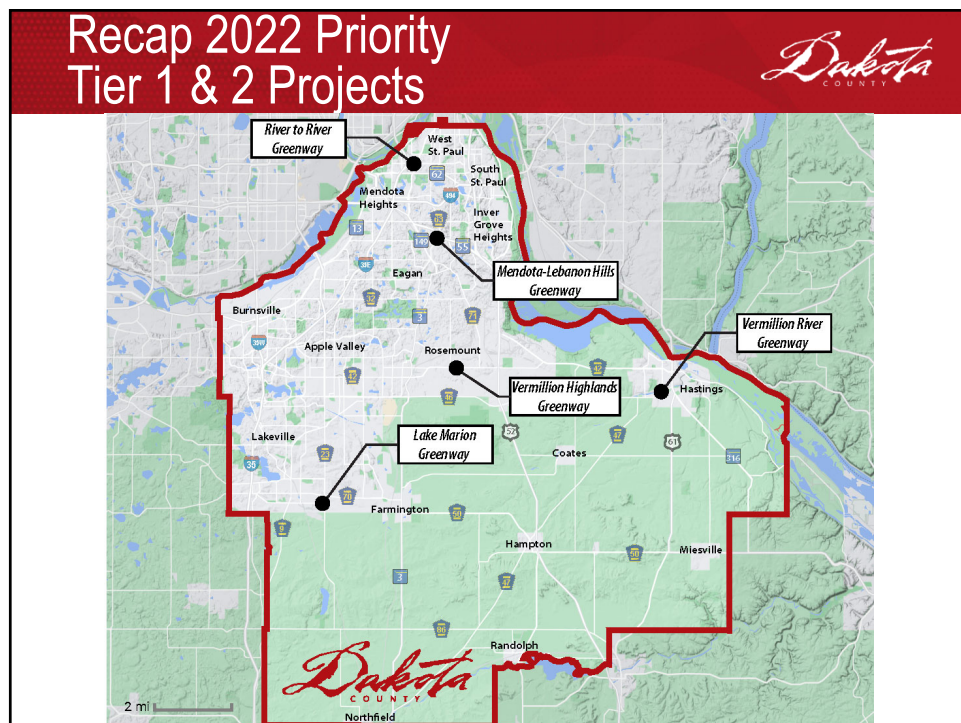
CIP Approach

<u>2022</u>	<u>Future</u>
<p><i>Make ready T1 projects using existing staff</i></p> <ul style="list-style-type: none"> Finalize design on certain T1 projects Start pre-design on key T1 & T2 projects Pursue external funds Refine construction cost estimates and staffing requirements <p> \$1M for County-led \$1M for City-led \$2M TOTAL </p>	<p><i>Deliver ready projects and continue design using available resources</i></p> <ul style="list-style-type: none"> Construct T1 projects Finalize design on remaining T2 projects Start design on T3 projects as able Pursue external funds Ensure “turn-key” greenway delivery <p>2023-2027 CIP development underway.</p> <p>Sources, amounts, and uses to be determined based on County Board direction.</p>

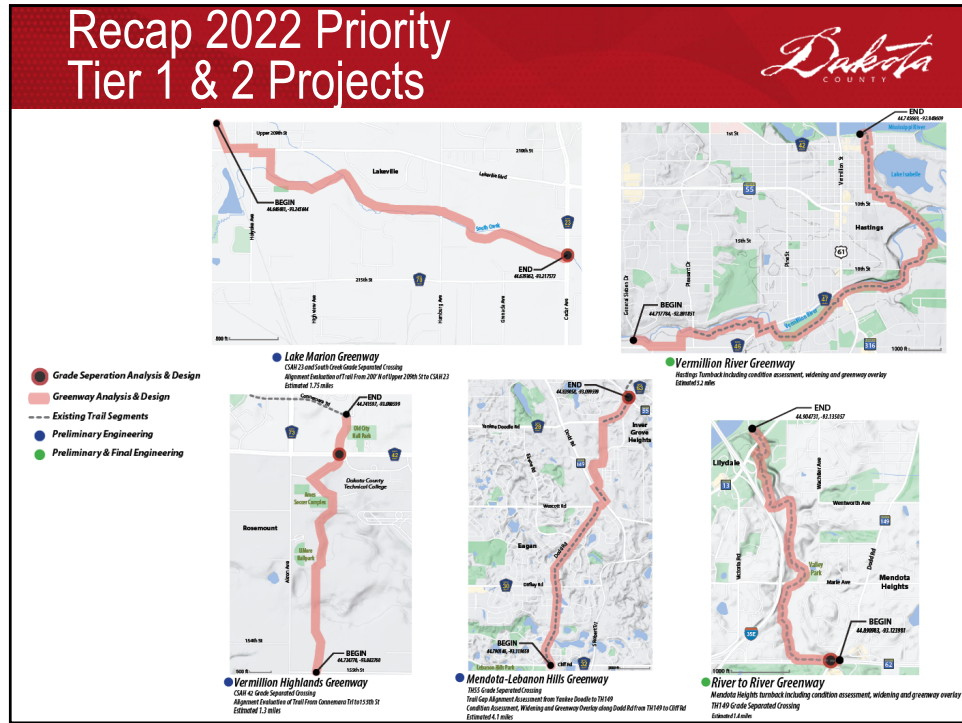
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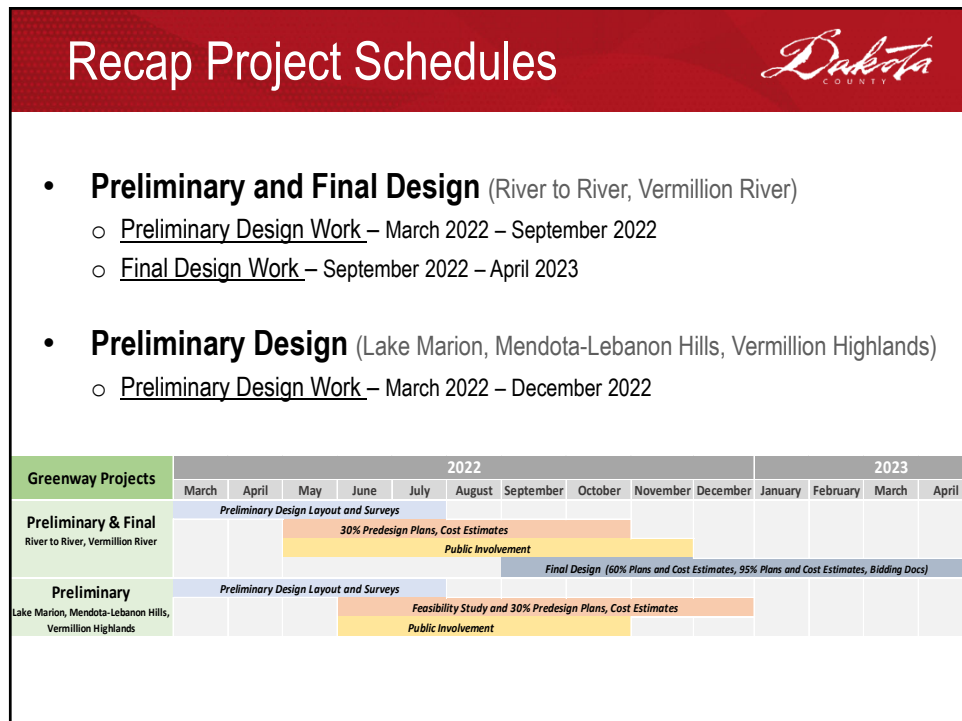
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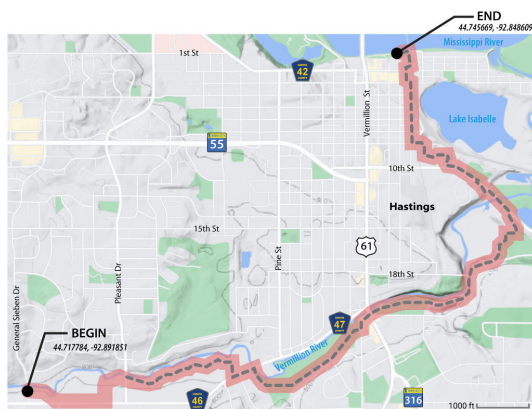
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Vermillion River – Hastings Segment



8/23/2022 Concept Level (10% Complete Design - 2022 \$) Cost Estimate

(Does not include potential land acquisition or easement costs)



Vermillion River Greenway
Hastings Turnback including condition assessment, widening and greenway overlay
Estimated 5.2 miles

Base Estimate Range:
\$2,000,000 – 2,600,000

Final design, environmental assessments, surveys and public engagement processes will extend through summer 2023.

Project team is coordinating closely with Hastings and Vermillion River Watershed District on trail improvements proposed in or near floodplain areas

Construction of the Vermillion River Greenway, Hastings Segment could start as early as Fall 2023 and be a 1-year project.

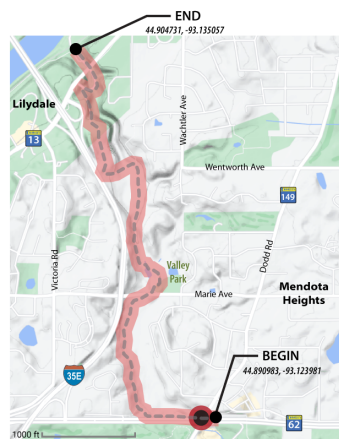
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River to River – Mendota Heights Segment



8/23/2022 Concept Level (10% Complete Design - 2022 \$) Cost Estimate

(Does not include potential land acquisition or easement costs)



River to River Greenway
Mendota Heights turnback including condition assessment, widening and greenway overlay
TH149 Grade Separated Crossing
Estimated 1.4 miles

Base Estimate Range:
\$4,400,000 – 5,000,000

Final design, preferred tunnel alignment location, environmental assessments, surveys and public engagement processes will extend through summer 2023.

Project team is coordinating closely with Mendota Heights and MnDOT for potential R/W needs and existing infrastructure impacts due to tunnel construction.

Construction of the River to River Greenway, Mendota Heights Segment could start as early as Fall 2023 and be a 1-year project.

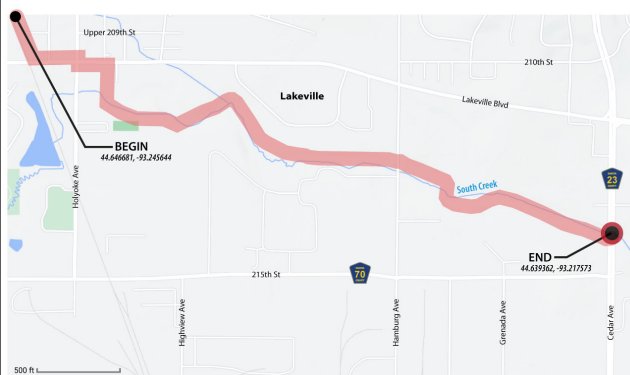
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Lake Marion – Lakeville Segment



8/23/2022 Concept Level (10% Complete Design - 2022 \$) Cost Estimate

(Includes 20% contingency, 18% Engineering/Construction Administration and Right of Way and Utility Relocation estimates)



Lake Marion Greenway

CSAH 23 and South Creek Grade Separated Crossing
Alignment Evaluation of Trail From 200' N of Upper 209th St to CSAH 23
Estimated 1.75 miles

Currently Analyzing 4 Alternatives

Full Build Out with Bridge over Cedar Ave: **\$13,500,000**

Full Build Out with Cedar Ave Alternative and no bridge: **\$6,000,000**

Alternative Interim Alignment ABD: **5,000,000**

Alternative Interim Alignment ACD: **2,100,000**

Interim alignments involve minimal ROW acquisition and could be constructed sooner until the full build out of the preferred greenway alignment can be accomplished.

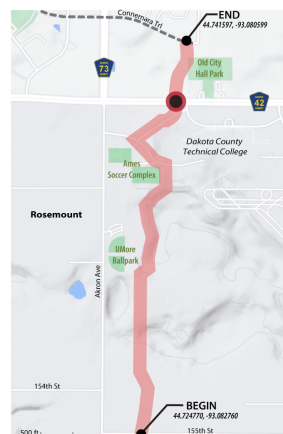
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Vermillion Highlands – Rosemount Segment



8/23/2022 Concept Level (10% Complete Design - 2022 \$) Cost Estimate

(Includes 20% contingency, 18% Engineering/Construction Administration and Right of Way and Utility Relocation estimates)



Vermillion Highlands Greenway

CSAH 42 Grade Separated Crossing
Alignment Evaluation of Trail From Conmemora Trl to 155th St
Estimated 1.3 miles

Currently Analyzing 1 Alternative and Future Amber Fields Development Extension

Base Estimate: \$4,500,000


Base Estimate + Amber Fields Extension: \$4,750,000

Final design engineering proposed to begin in 2023 with construction as early as 2024

Team coordinating closely with Rosemount and DCTC for future platting and R/W needs for the trail alignment and connections to future Rosemount park and development amenities along with connections to the campus.

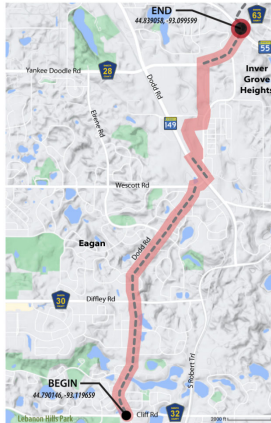
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Mendota-Lebanon Hills – IGH & Eagan Segment



8/23/2022 Concept Level (10% Complete Design - 2022 \$) Cost Estimate

(Includes 20% contingency, 18% Engineering/Construction Administration and Right of Way and Utility Relocation estimates)



Currently Analyzing Underpass/Bridge Alternatives and Argenta Trail Alignment Alternatives

Base Estimate Hwy 55 Underpass: **\$8,750,000**

Base Estimate Hwy 55 Bridge: **\$9,250,000**


Final design engineering proposed to begin in 2023 with construction of Dodd Road section as early as 2023. Construction of grade separated crossings and trail gaps as early as 2024.

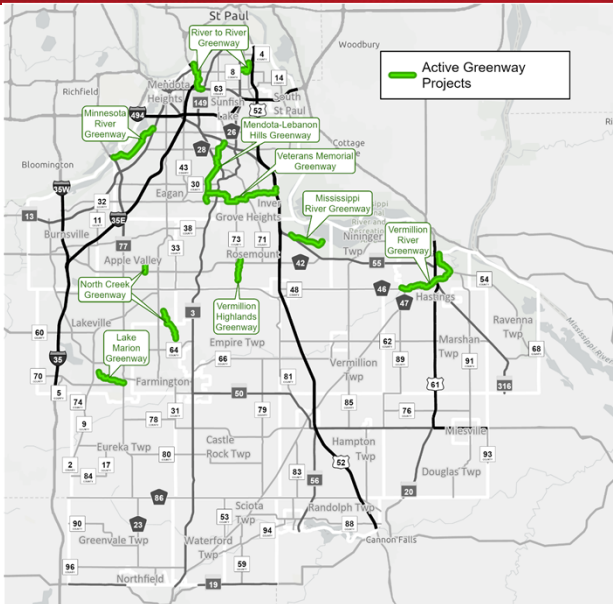
Team coordinating closely with MnDOT, Eagan and Inver Grove Heights (IGH) for trail alignment locations adjacent to Argenta Trl and connections to Inver Grove Heights park amenities along with new and enhanced crossing treatments of roadways

Mendota-Lebanon Hills Greenway

THES Grade Separated Crossing
Trail Gap Alignment Assessment from Yankee Doodle to TH149
Condition Assessment, Widening and Greenway Overlay along Dodd Rd from TH149 to Cliff Rd
Estimated 4.1 miles

2022 Active Tier 1 & 2 Projects





Active Greenway Projects

Mississippi River Greenway – Rosemount East



- Construct 2.7-mile 10' wide shared-use trail
- Construction Plans submitted for State Aid approval on July 19, 2022
- 5 of 7 parcels requiring easement have been settled. Last 2 have verbal agreements.
- Agreements for at-grade railroad crossings expected in November 2022
- Construction to begin in spring 2023



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Minnesota River Greenway – Fort Snelling Segment



- Construct 3.6-mile 10' wide shared-use trail
- Construction Plans are currently under review by MnDOT
- Final approvals and permits are being coordinated with jurisdictions.
- Union Pacific Railroad approval pending
- Advertising for bids to occur in November 2023 and construction beginning early 2023

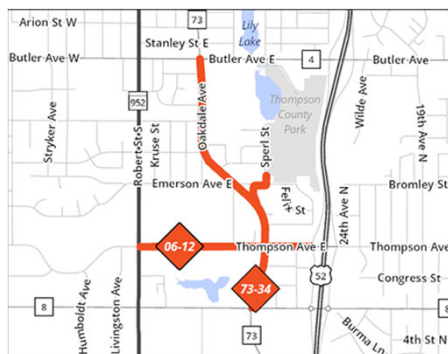


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River to River Greenway – West St. Paul Segment



- Construct nearly 1-mile of improved trails and over one half mile of new trail through the former Thompson Oaks Golf Course
- Construction has started with soil remediation and water quality work
- Final completion of landscaping and trail paving will be complete in spring of 2023 Advertising for bids to occur in November 2023 and construction beginning early 2023
- Thompson Ave and Oakdale Ave Roundabout and trails will begin construction in early 2023

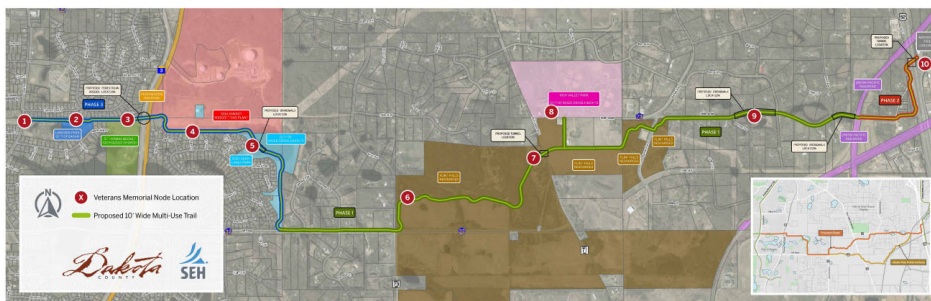


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Veterans Memorial Greenway



- 5-mile corridor providing a link between Lebanon Hills and the Mississippi River
- Interpretive memorial plan was authorized for 45-day public review from May 25-July 8
- Open Houses occurred on June 29 and February 23
- The project is currently in the design phase of project development.
- Three construction phases are proposed due to the length of the corridor and constructability complexities.
- Phase one will begin summer 2023 with additional phases constructed each year after



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North Creek Greenway – Lakeville-Farmington Segment



- Construct a 2.2-mile 10' wide shared-use trail
- Improved crossings, connections to local parks and two new bridges over North Creek and adjacent wetlands
- Project is in 60% design stage
- State Aid approval is anticipated in late 2022 with bidding in early 2023
- Final completion of construction is anticipated in the fall of 2023

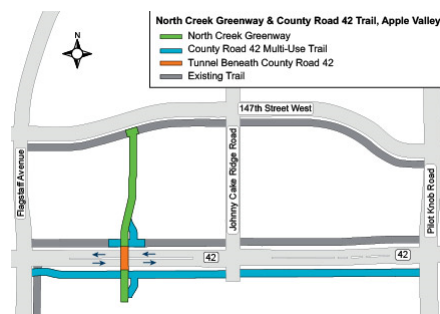


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North Creek Greenway – CSAH 42 Grade Separated Crossing

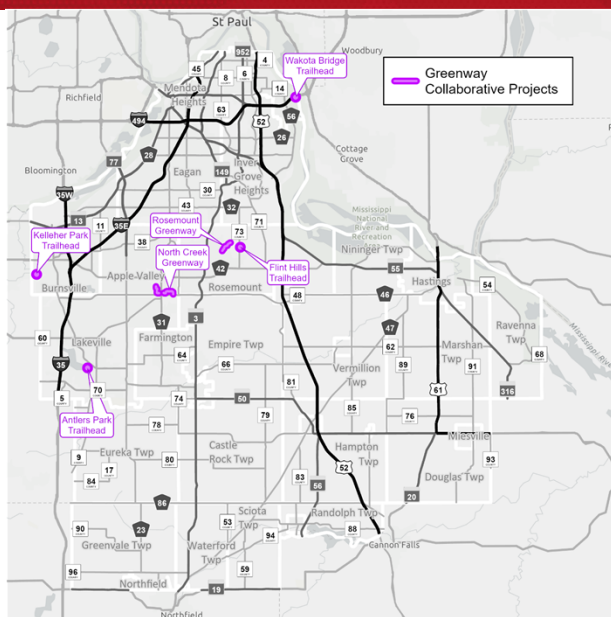


- Tunnel crossing began design in 2020 and includes 1/3-mile of trail along southside of CSAH 42
- Plans were partially advanced, but were temporarily suspended until mining activities are complete
- Final Design will be complete once future land conditions and the gravel min area are known
- Right of Way for trail is actively being pursued
- Construction is anticipated in 2025 or 2026



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Greenway Collaborative Projects



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Greenway Collaborative Projects



Projects led by our city partners and funded in part by Dakota County (* have active JPAs)

***North Creek Greenway: Apple Valley Gaps**

- Completion of five small trail gaps through southeastern Apple Valley completing approximately 2 miles of the North Creek Greenway.

***Rosemount Greenway: Bella Vista**

- Completion of ¾ trail gap through the Bella Vista development providing access to Horseshoe Lake.

***Rosemount Greenway: Flint Hills Trailhead**

- Shared trailhead/park facility that

***Lake Marion Greenway: Antlers Park Trailhead**

- Shared trailhead/park facility

***Lake Marion Greenway: Kelleher Park Trailhead**

- Shared trailhead/park facility

***Mississippi River Greenway: Wakota Bridge Trailhead**

- Shared trailhead/park facility

Lake Marion Greenway: Downtown to Ritter Farm Park

North Creek Greenway: East Lake Park to 173rd

Lake Marion - East Lake Park: Trailhead

River to River Greenway: Marthaler Trailhead

Rosemount Greenway: Dunmore Segment

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