





County Road 54 Reconstruction and Mississippi River Greenway Extension Project

PROJECT UPDATE

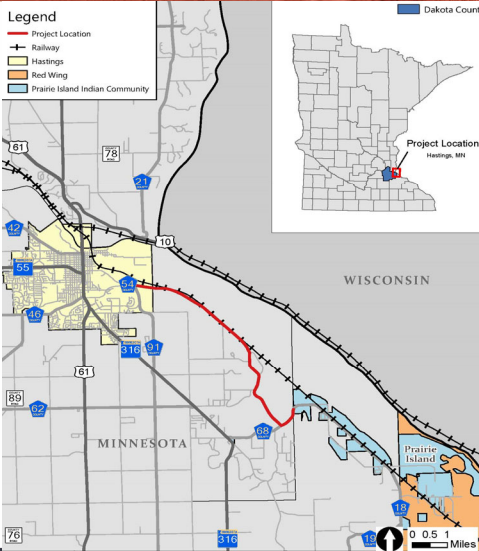
Physical Development Committee
December 2nd, 2025

John Sass
Transportation Project Manager


1

Scope County Highway 54 Reconstruction

- Reconstruct Roadway & Curves
- Enhance Safety Features
- Upgrade Drainage & Flood Resilience
- Replace Aging Structures
- Multi-Use Trail



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2

Project Limits – 18th St to Highway 68

•Crash History:

- ~200 crashes, including 4 fatalities
- 10-years

•Common Crash Types:

- Single-vehicle run-off-road
- Intersections at CR 91 & CSAH 68

•Road Deficiencies:

- ~3 miles lack standard shoulders
- 7 of 8 intersections lack turn lanes
- 8 curves don't meet design standards

•Flood Risk:

- 4 segments below 100-year

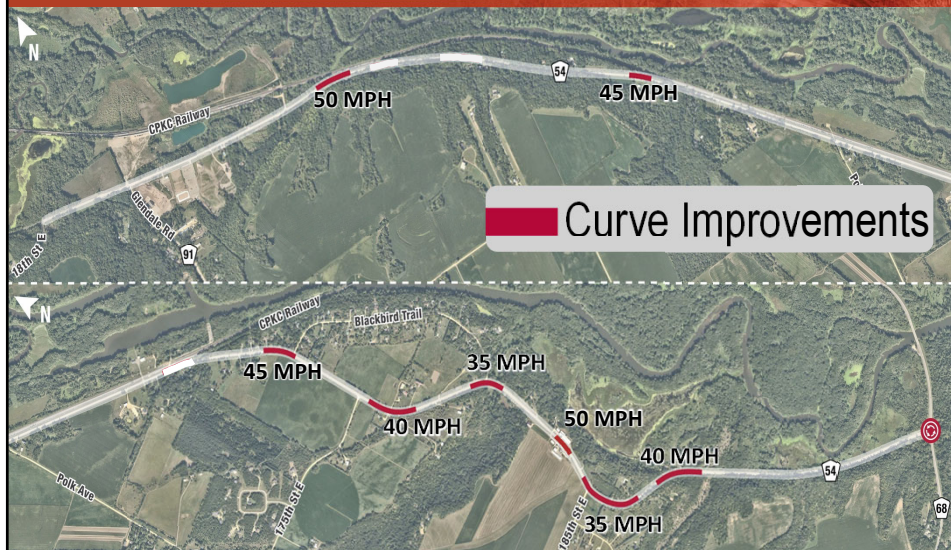


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3

Project Goals – Curve Improvements



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4

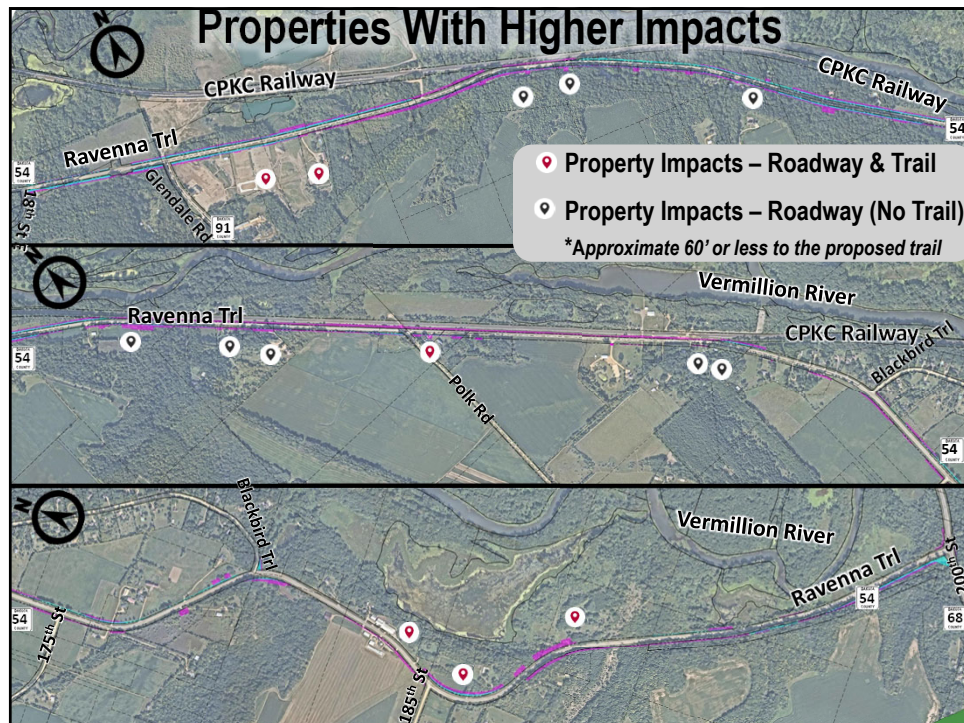
Project Update - CSAH 54 Expansion

- **Alternatives Evaluation of Ravenna Trail**
 1. Reconstruction of Ravenna Trail only
 2. Ravenna Trail and paved trail
 3. Ravenna Trail and grading for trail (not paved)
 4. Future trail (not graded or paved with Ravenna Trail)
- **Alternative 2 & 3 right of way needs are similar**
 - Right of way is required for each alternative
 - Alternative 3 includes right of way for the trail

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5



6

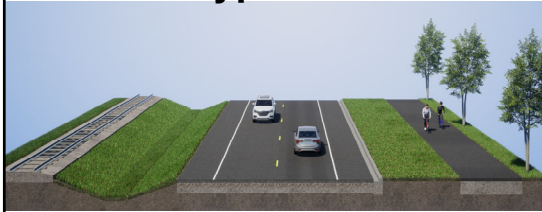
Curb and Gutter

Rural Typical Section



- Preferred greenway system
- Trail further from highway
- Requires additional space

Urban Typical Section



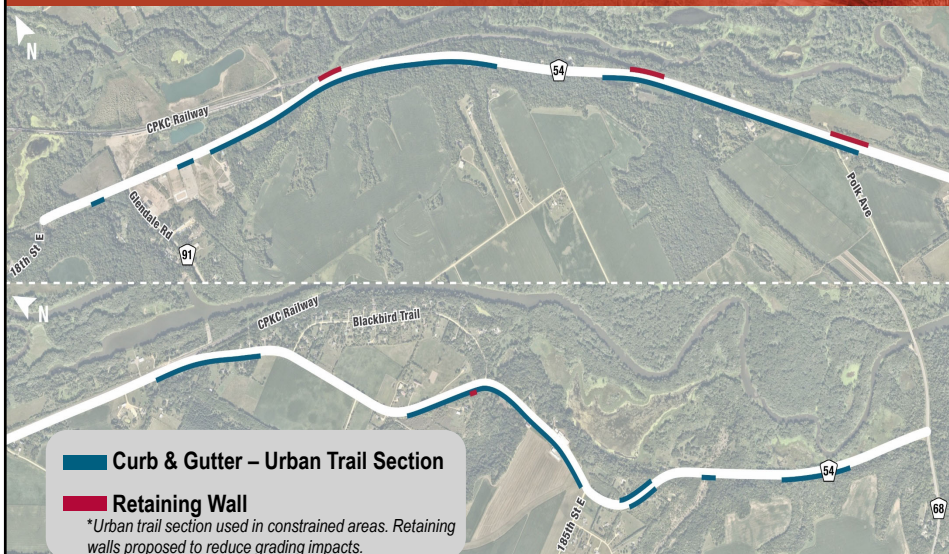
- Curb/gutter on trail side
- Constrained by rail, grading, & ROW

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7

Curb and Gutter and Retaining Walls




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8

Alternatives and Cost				
Evaluation Criteria For Project Goals	1: Road - No Trail	2: Road & Paved Trail	3: Road & Graded Trail	4: Future Trail
ROW Impacts (Acre)	7.1	9.9	9.9	2.8
Impacts < 60' from home (#)	8	14	14	6
Walls Needed (#)	0	4	4	4
Curb & Gutter/Storm Sewer (Miles)	1.3	4.2	4.2	2.9
Wetland Impacts (Acre)	2.1	2.3	2.3	0.2
Meets Greenway Goals for Trail Connectivity	No	Yes	long term	long term
Right of Way Cost	\$2.0 M	\$2.5 M	\$2.5 M	\$0.5 M
Construction Cost	\$25.0 M	\$33.5 M	\$32.2 M	\$8.6 M
Total Estimated Cost Right of Way + Const	\$27.0 M	\$36.0 M	\$34.7 M	\$9.1 M

9

Summary Cost Information			
2030 Construction Total Estimated Cost	Paved Trail	Graded Trail	No Trail (Future)
Road Construction	\$27	\$27	\$0
Trail Construction	\$9	\$7.7	\$9.1
Total Construction	\$36	\$34.7	\$9.1
Future Trail Costs 4% Interest	---	Paving	ROW + Grading + Paving
Trail Baseline	---	\$1.3 M	\$9.1 M
+5 years	---	\$1.6 M	\$11.1 M
+10 years	---	\$ 1.9 M	\$13.5 M
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10

Mississippi River Greenway

- Improves multimodal access
- Boosts recreation and economy
- Benefits Prairie Island, Goodhue County, and Red Wing
- Part of MRT / U.S. Bike Route 45
- Enhances regional connectivity

- ✓ MRG to Red Wing via Prairie Island —
- ✓ Routes from 2009 Trail Master Plan
- ✓ Updated with Prairie Island input



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11

MRG CONNECTION

Additional Considerations for Trail Construction:

- **Connects to Prairie Island Indian Community**
(2025 Letter of Support)
- **Included in regional trail and park plans**
(Supported by Goodhue County & Red Wing)
- **Builds on Sturgeon Lake Rd bridge**
(Trail connections; some segments need maintenance)
- **Completes 35-mile MRG through Dakota County**
(Links to Cannon Valley Trail)
- **Supports MRT/US Bike Route 45 & e-bike tourism**
(Improves grant competitiveness)

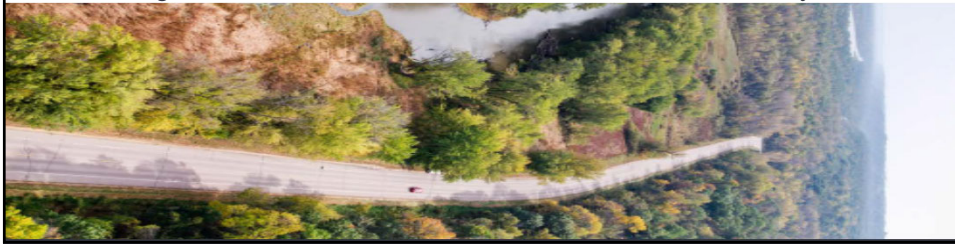
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12

Project Schedule

- Open House #2: January 2026
- Finalize Preferred Alternative April 2026
- Final Design Contract: June 2027
- 30% - 90% Plans Sept 2027- October 2028
- ROW Map July 2028 – Nov 2028
- ROW Process: July 2028 – June 2029
- Bidding/Award Nov 2029 – February 2030



13

– Discussion

Inclusion of the paved trail in County Project 54-011 will:

1. Enhance corridor safety and functionality
2. Enhance cost efficiency through coordinated construction
3. Minimize future disruption to property owners
4. Advance regional trail and equity goals
5. Provide long-term resilience and accessibility benefits

14