

BLUE EARTH COUNTY
PUBLIC WORKS DEPARTMENT
2020-2024
CAPITAL IMPROVEMENT PLAN



County Board

	<u>District</u>
Colleen Landkamer	1
Vance Stuehrenberg	2
Mark Piepho	3
Will Purvis	4
Kip Bruender	5

County Engineer

Ryan Thilges, P.E.

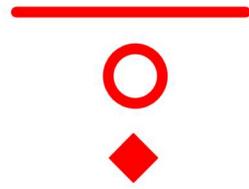
March 10, 2020

**Blue Earth County Public Works
Capital Improvement Plan 2020-2024**

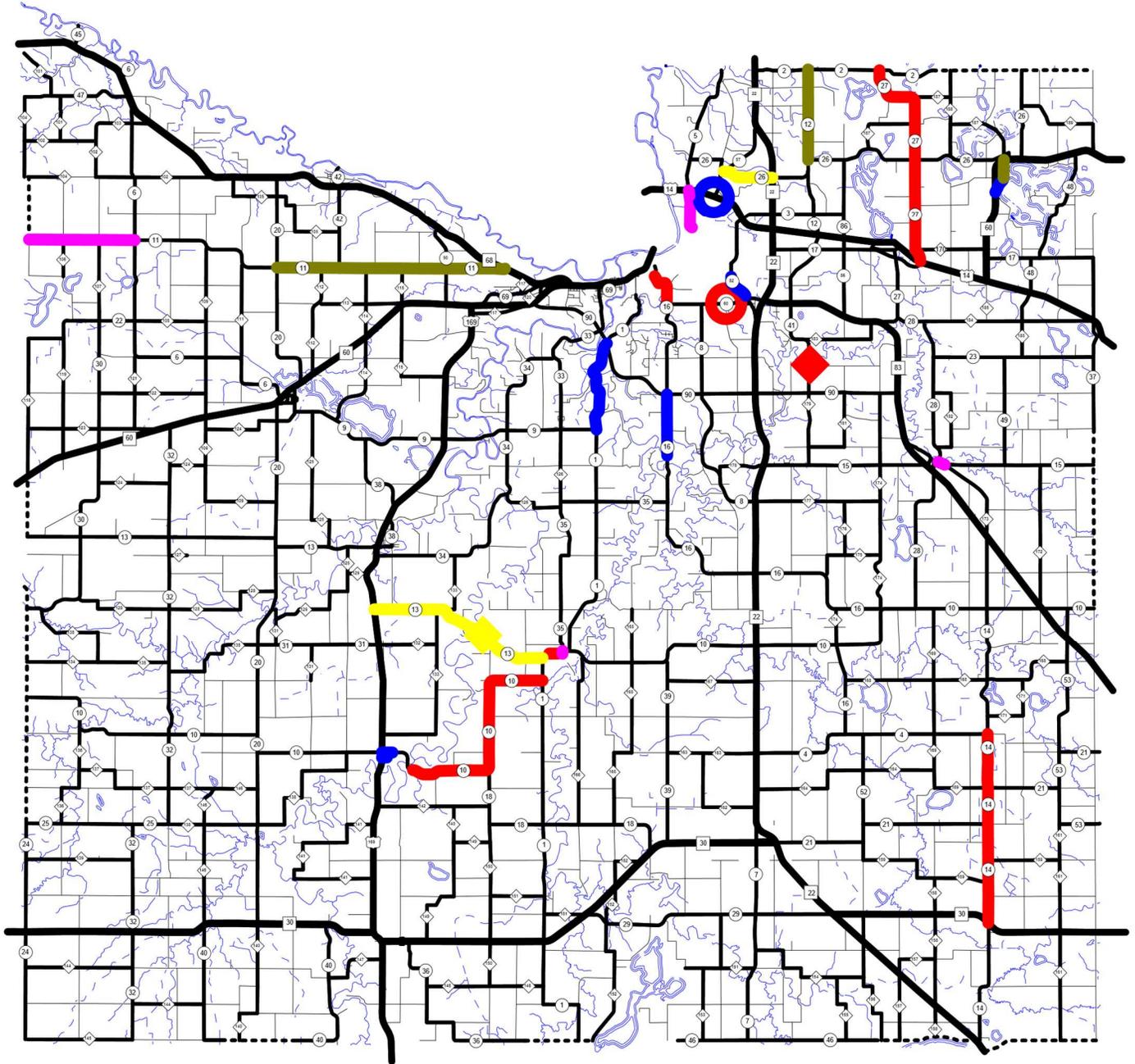
Project Type	2020		2021		2022		2023		2024	
	Project	Cost	Project	Cost	Project	Cost	Project	Cost	Project	Cost
Grading	CSAH 1 Good Thunder west limits to Ewing St. Grade and Pave	\$1,310,000	CSAH 1 CSAH 9 to CSAH 90 Grade and Pave	\$13,189,000	CSAH 11 TH 68 to CSAH 20 Grade and Pave	\$6,189,000	CSAH 13 US 169 to CSAH 1 Grade, Bridge and Pave	\$6,522,000	CSAH 5 North Riverfront Drive to US 14 (Including intersection controls at US 14)	\$2,725,000
	CSAH 10 Blue Earth River to CSAH 1 Grade and Pave	\$5,712,000	CSAH 10 City of Vernon Center Urban Section Grade and Pave	\$1,062,000	CSAH 12 CSAH 26 North County Line Grade and Pave	\$2,071,000	CSAH 26 CSAH 57 to TH 22 Grade and Pave	\$2,595,000	CSAH 11 West County line to CSAH 6 Grade and Pave	\$2,907,000
	CSAH 16 Trail from CSAH 60 to Pleasant St. Grade and Pave	\$770,000	CSAH 16 CSAH 90 to Le Sueur River Grade and Pave	\$2,530,000	CSAH 44 TH 60 to TH 60 Grade and Pave	\$1,220,000		CSAH 73 CSAH 1 to Sherman St in Good Thunder Grade and Pave	\$485,000	
	CSAH 27 MN 14 to CSAH 2 Grade and Pave	\$5,916,000	CSAH 44 MN TH 60 Realign S. Intersection Grade and Pave	\$115,000				CSAH 15 CSAH 28 to Schallow Dr. in St. Clair Grade and Pave	\$679,000	
	CSAH 60 Pohi Road Roundabout Grade and Pave	\$940,000	CSAH 57 TH 14 PAB's at Riverfront Drive Grade and Pave	\$2,075,000						
				CSAH 72 City of Vernon Center Urban Section Grade and Pave	\$150,000					
Paving	CSAH 14 TH 30 to CSAH 4 Pave	\$708,500	CSAH 82 CSAH 60 to south of Hoffman Rd Grade and Pave	\$3,570,000	CSAH 16 CSAH 90 to Le Sueur River Pave	\$260,000	CSAH 12 CSAH 26 to North County Line Pave	\$494,000	CSAH 13 US 169 to CSAH 1 Pave	\$750,000
	County Wide Overlays	\$3,050,000	CSAH 10 Blue Earth River to CSAH 1 Pave	\$767,000	County Wide Overlays	\$1,350,000	CSAH 11 TH 68 to CSAH 20 Pave	\$863,000	CSAH 26 CSAH 57 to CSAH 12 or TH 22 Pave	\$313,000
			County Wide Overlays	\$1,978,000			County Wide Overlays	\$1,350,000	County Wide Overlays	\$2,350,000
Bridges	CSAH 41 Over Le Sueur River #7274	\$2,060,000								
	Bridge Replacement Funds	\$831,500	Bridge Replacement Funds	\$100,000	Bridge Replacement Funds	\$609,000	Bridge Replacement Funds	\$430,000	Bridge Replacement Funds	\$2,629,000
Planning & Miscellaneous	Planning, Cooperative Projects, Right of Way, & Construction Contingencies	\$2,502,000	Planning, Cooperative Projects, Right of Way, & Construction Contingencies	\$1,845,000	Planning, Cooperative Projects, Right of Way, & Construction Contingencies	\$1,908,000	Planning, Cooperative Projects, Right of Way, & Construction Contingencies	\$1,659,000	Planning, Cooperative Projects, Right of Way, & Construction Contingencies	\$1,922,000
	Total for 2020	\$23,800,000	Total for 2021	\$28,252,000	Total for 2022	\$13,607,000	Total for 2023	\$13,913,000	Total for 2024	\$14,760,000
Available Funding	CSAH Regular	\$10,312,000	CSAH Regular	\$5,600,000	CSAH Regular	\$5,600,000	CSAH Regular	\$5,600,000	CSAH Regular	\$5,600,000
	CSAH Municipal	\$1,330,000	CSAH Municipal	\$785,000	CSAH Municipal	\$490,000	CSAH Municipal	\$490,000	CSAH Municipal	\$490,000
	Federal Regular	\$1,596,000	Federal Regular	\$960,000	Federal Regular	\$430,000	Federal Regular	\$430,000	Federal Regular	\$430,000
	Federal Other	\$220,000	Federal Other	\$13,915,000	Federal Other	\$500,000	Federal Other	\$500,000	Federal Other	\$500,000
	State TH or State Bonds		State TH or State Bonds		State TH or State Bonds		State TH or State Bonds		State TH or State Bonds	
	Town Bridge		Town Bridge	\$652,000	Town Bridge	\$257,000	Town Bridge	\$257,000	Town Bridge	\$257,000
	Township/City	\$1,407,000	Township/City	\$6,300,000	Township/City	\$6,300,000	Township/City	\$6,300,000	Township/City	\$6,300,000
	Sales Tax	\$7,300,000	Sales Tax	\$1,000,000	Sales Tax	\$1,000,000	Sales Tax	\$1,000,000	Sales Tax	\$1,000,000
	Sales Tax Pay Back		Sales Tax Pay Back		Sales Tax Pay Back		Sales Tax Pay Back		Sales Tax Pay Back	
	County	\$1,000,000	County	\$28,252,000	County	\$13,607,000	County	\$13,913,000	County	\$14,760,000
Total	\$24,125,000	Total	\$28,252,000	Total	\$13,607,000	Total	\$13,913,000	Total	\$14,811,000	

BEC CIP 2020-2024

- 2020
- 2021
- 2022
- 2023
- 2024



- GRADING OR PAVING**
- ROUNDBABOUT**
- BRIDGE PROJECTS**



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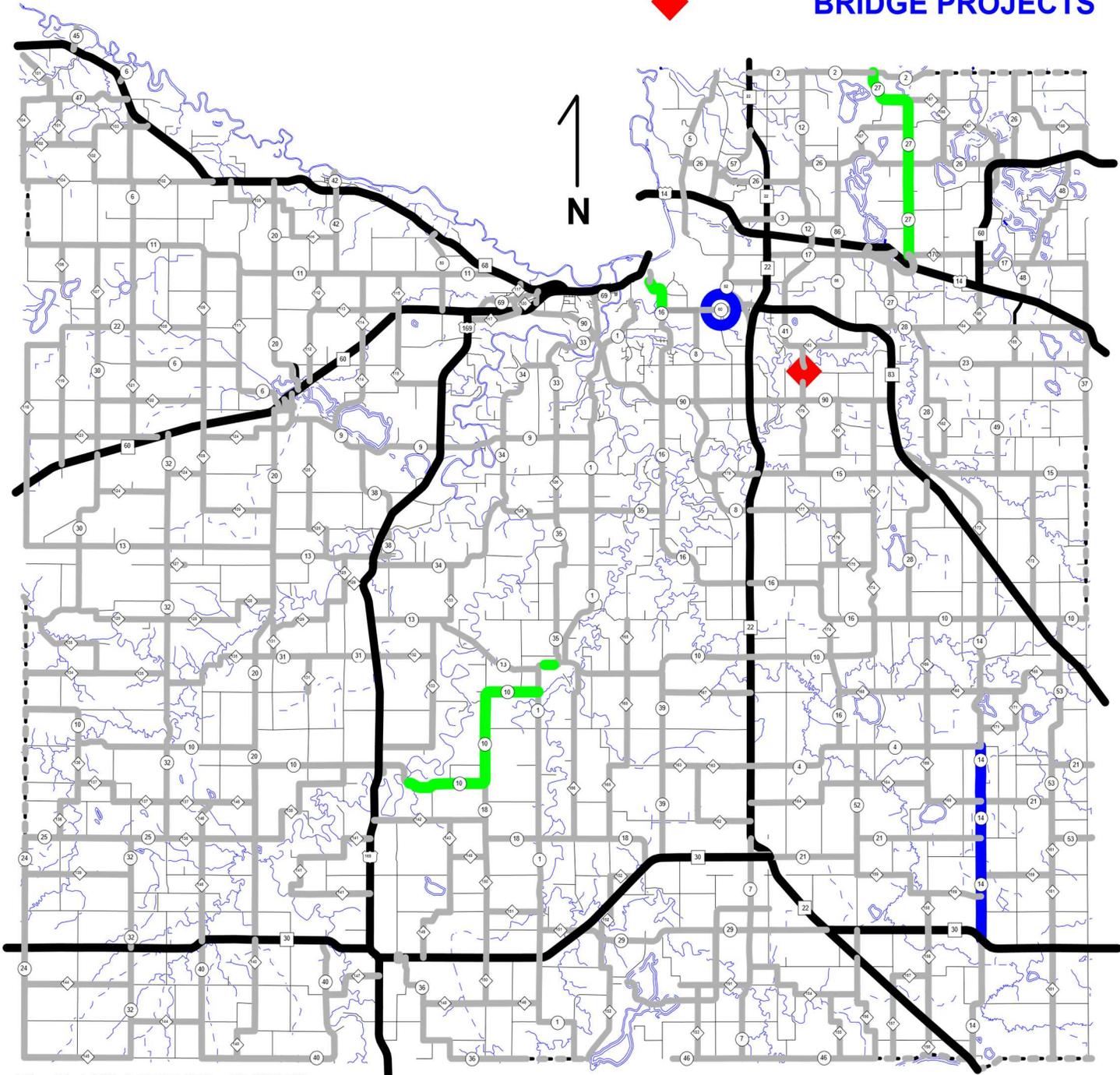
BLUE EARTH COUNTY

2020 CAPITAL IMPROVEMENT PROJECTS

	2020	
Project Type	Project	Cost
Grading		
	CSAH 1 Good Thunder west limits to Ewing St. Grade and Pave	\$1,310,000
	CSAH 10 Blue Earth River to CSAH 1 Grade and Pave	\$5,712,000
	CSAH 16 Trail from CSAH 60 to Pleasant St. Grade and Pave	\$770,000
	CSAH 27 MN 14 to CSAH 2 Grade and Pave	\$5,916,000
	CSAH 60 Pohl Road Roundabout Grade and Pave	\$940,000
Paving	CSAH 14 TH 30 to CSAH 4 Pave	\$708,500
	County Wide Overlays	\$3,050,000
Bridges	CSAH 41 Over Le Sueur River #7274	\$2,060,000
	Bridge Replacement Funds	\$831,500
Planning & Miscellaneous	Planning, Cooperative Projects, Right of Way, & Construction Contingencies	\$2,502,000
	Total for 2020	\$23,800,000
	Available Funding	2020
	CSAH Regular	\$10,312,000
	CSAH Municipal	\$1,330,000
	Federal Regular	\$1,596,000
	Federal Other	\$960,000
	State TH or State Bonds	\$220,000
	Town Bridge	
	Township/City	\$1,407,000
	Sales Tax	\$7,300,000
	Sales Tax Pay Back	
	County	\$1,000,000
	Total	\$24,125,000

BEC CIP 2020

-  **PAVING PROJECTS**
-  **GRADING PROJECTS**
-  **ROUNDBABOUT**
-  **BRIDGE PROJECTS**



CSAH 1 - City of Good Thunder West City Limits to Ewing St.

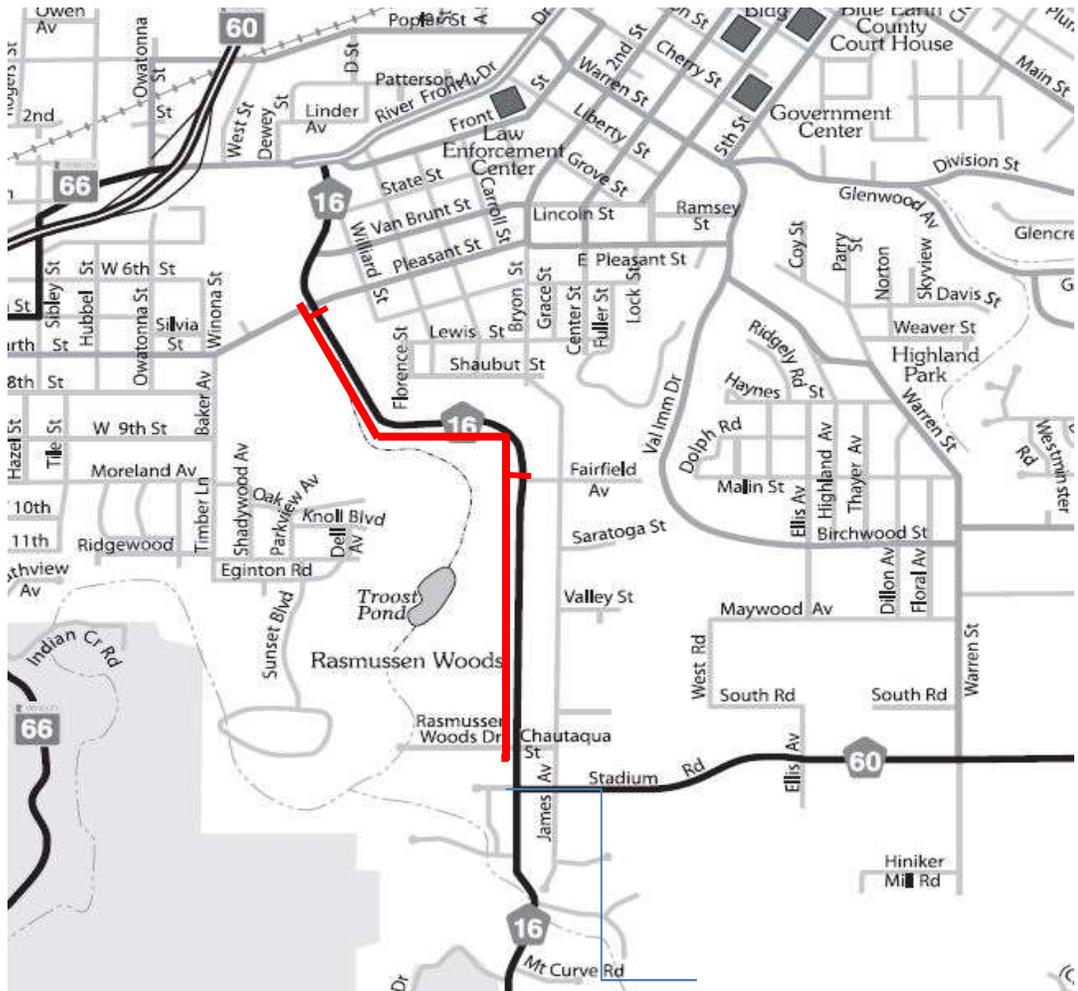
Project Type	CSAH, Urban Reconstruction
Purpose & Need	<ol style="list-style-type: none"> 1) The City of Good Thunder has a need to replace their municipal utility watermain running below CSAH 1. 2) The road surface condition will be improved with a 10 ton per axle smooth pavement, serving farm to market freight traffic and quality access for our citizens. 3) Drainage will be improved by replacing the storm sewer system.
Description	<p>This is a cooperative project with the City of Good Thunder. The deteriorated city watermain will be replaced as part of this project in addition to reconstruction of the road, storm sewer and sidewalk. The project will span 0.25 miles from the west city limits to Ewing St. The project funding will be a cost share system for the road improvements only, based on 90% county and 10% city split, with the city responsible for 100% of their utilities cost.</p>
Estimated Cost	\$1,310,000
Potential Funding Sources	CSAH Municipal, City of Good Thunder
Transportation Sales Tax Project	No

CSAH 10 - Blue Earth River to CSAH 1

Project Type	CSAH, Rural, Grading, Paving
Purpose & Need	<ol style="list-style-type: none"> 1) Improve safety by constructing shoulders, ditch slopes, horizontal and vertical curves, and recovery area meeting current geometric standards. 2) Provide 10 ton per axle smooth pavement serving farm to market freight traffic and quality access for our citizens. 3) Improve drainage obstructed by sediment filled ditches and deteriorated pipes.
Description	The curves will be regraded, shoulders widened, and the pavement will be recycled with a new bituminous wearing surface providing a strengthened 10-ton design meeting or exceeding state standards on this 6-mile segment. The final (top) lift of the bituminous wearing course will be completed in 2021. Construction of CSAH 10 from Vernon Center to the Blue Earth River will be included with the future replacement of Bridge #7150.
Estimated Cost	\$5,712,000
Potential Funding Sources	CSAH Regular, Transportation Sales Tax
Transportation Sales Tax Project	Yes

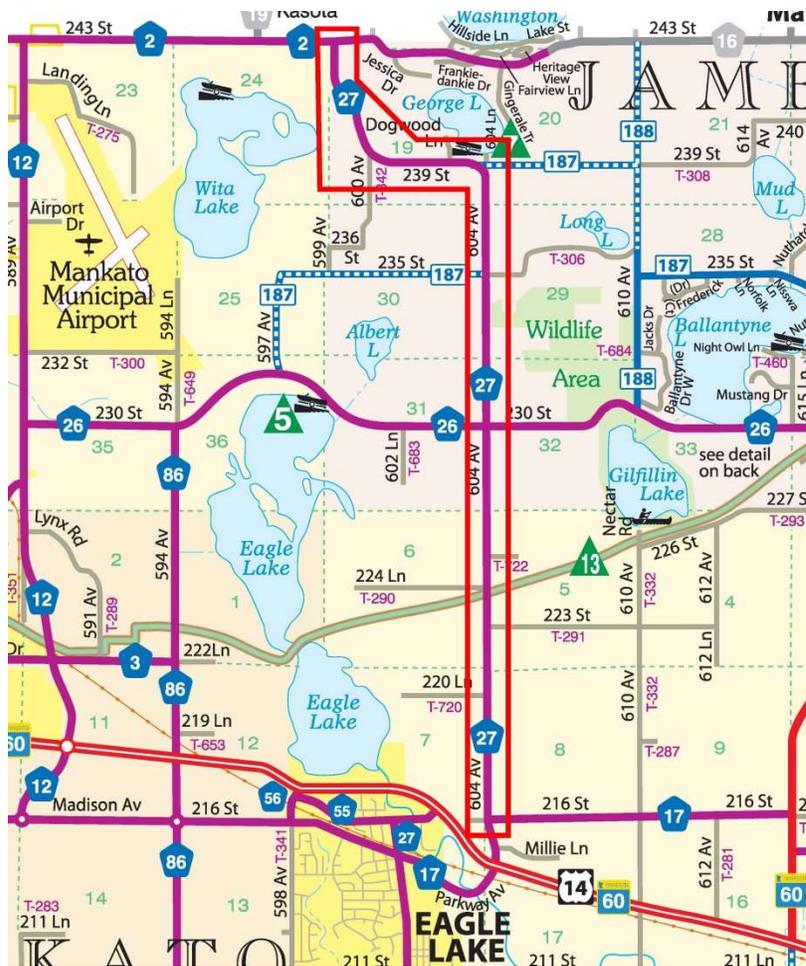
CSAH 16 - Trail from CSAH 60 to Pleasant Street

Project Type	MAPO,
Purpose & Need	<ol style="list-style-type: none"> 1) Improve safety by constructing a 1 mile trail. Connecting the existing trail system at the Rasmussen Woods Park to Jefferson Elementary School, Mankato West High School and several west Mankato neighborhoods abutting CSAH 16. 2) Provide 10-foot wide bituminous pavement grade separated shared use pedestrian/bicycle trail.
Description	The trail project has been identified as an important link in the Mankato Area Planning Organization (MAPO) 2045 Long Range Transportation Plan. It completes a missing vital and safe link connecting several neighborhoods to Jefferson Elementary School, West High School, Rasmussen Woods Nature Area, The Vietnam Veterans Memorial area, as well as providing pedestrian and bicycle interconnectivity between the neighborhoods that are not served by school bus services through the school district.
Estimated Cost	\$770,000
Potential Funding Sources	City of Mankato, Road and Bridge, MNDOT Transportation Alternatives Grant, MNDNR Local Trails Grant.
Transportation Sales Tax Project	No



CSAH 27 - from US 14 to CSAH 2

Project Type	CSAH, Rural, Grading, Paving
Purpose & Need	<ol style="list-style-type: none"> 1) Improve safety by constructing shoulders, ditch slopes, horizontal and vertical curves, recovery area meeting current geometric standards. 2) Provide a 10 ton per axle smooth pavement serving farm to market freight traffic and quality access for our citizens. 3) Improve drainage obstructed by sediment filled ditches and deteriorated pipes.
Description	The curves will be regraded, shoulders widened, and the pavement will be recycled with a new bituminous wearing surface providing a strengthened 10-ton design meeting or exceeding state standards on the 6-mile segment. The final (top) lift of the bituminous wearing course will be completed in 2021.
Estimated Cost	\$5,916,000
Potential Funding Sources	CSAH Regular, Transportation Sales Tax
Transportation Sales Tax Project	Yes



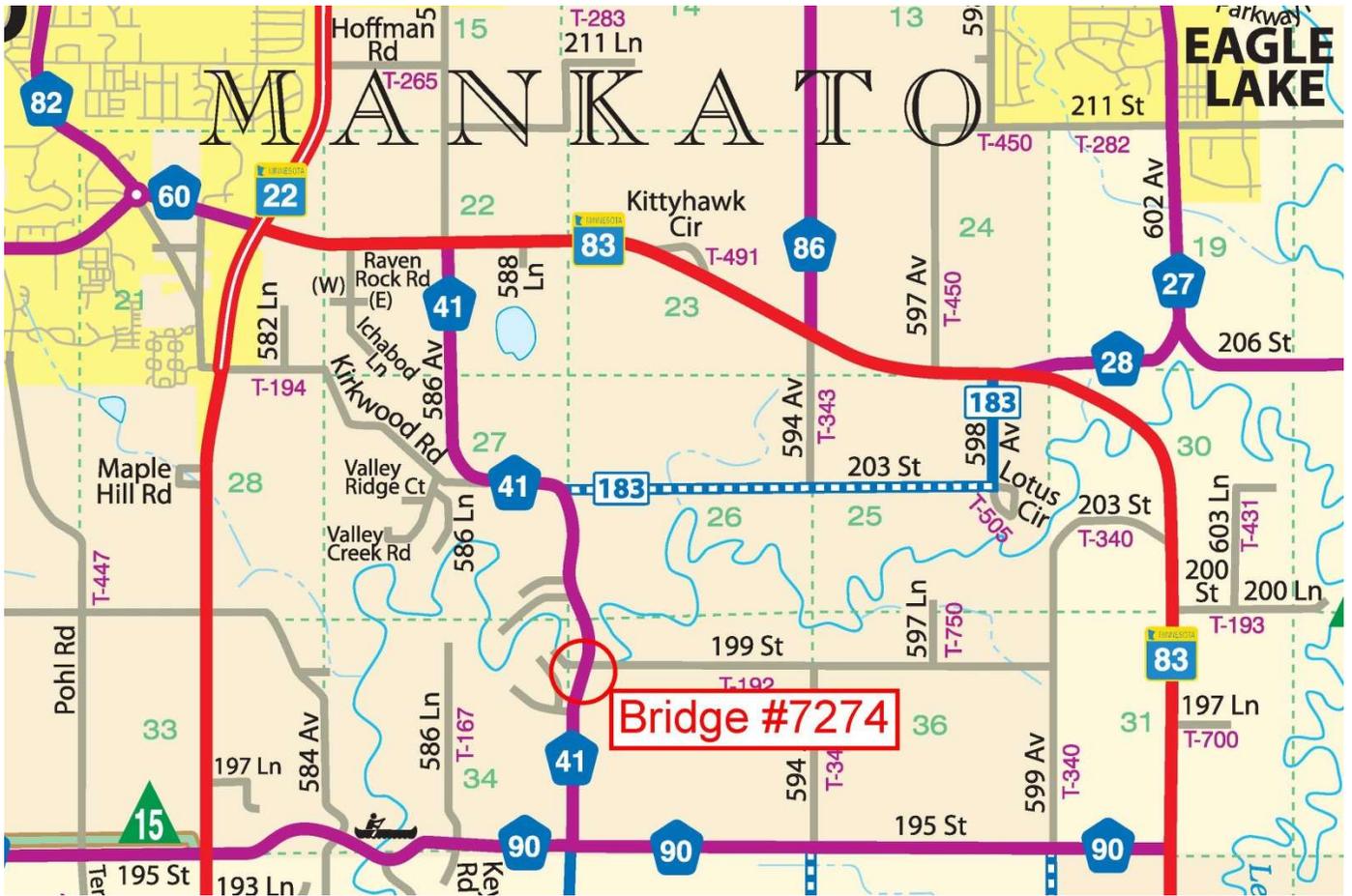
CSAH 60 - Pohl Road Roundabout

Project Type	CSAH, Urban Roundabout
Purpose & Need	<ol style="list-style-type: none"> 1) Reduce traffic congestion and improve overall Level of Service (LOS). 2) Increase intersection safety and operational capacity. 3) Meet LOS warrants for forecasted increases in traffic levels. 4) Increase mobility throughout the southern portion of Mankato between MNTH 22, Rosa Parks Elementary, and Minnesota State University as the area continues to grow. <p>The Mankato Area Planning Organization (MAPO) 2045 Long Range Transportation Plan identifies this intersection for its current congestion and predicts a LOS of F (failure) during peak hours by calendar year 2030.</p> <p>Note: The City of Mankato will lead design and construction of this project.</p>
Description	MAPO 2045 has completed an Intersection Control Evaluation for a proposed traffic control improvement recommending roundabout control.
Estimated Cost	\$940,000
Potential Funding Sources	City of Mankato, Transportation Sales Tax
Transportation Sales Tax Project	Yes



CSAH 41 - Bridge No. 7274 over Le Sueur River

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none"> 1) Improve safety and access by providing a structurally adequate bridge. 2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is narrow and is deteriorating. The bridge has significant corrosion on the steel beams and spalling concrete at the pier and footings. The bridge scour critical and is structurally deficient with a sufficiency rating of 42.7.</p>
Description	The bridge will be replaced with a precast concrete beam bridge.
Estimated Cost	\$2,060,000
Potential Funding Sources	Federal AC Payback and Federal off System Bridge.
Transportation Sales Tax Project	No



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BLUE EARTH COUNTY

2021 CAPITAL IMPROVEMENT PROJECTS

2021	
Project	Cost
CSAH 1 CSAH 9 to CSAH 90 Grade and Pave	\$13,189,000
CSAH 10 City of Vernon Center Urban Section Grade and Pave	\$1,062,000
CSAH 16 CSAH 90 to Le Sueur River Grade and Pave	\$2,530,000
CSAH 44 MN TH 60 Realign S. Intersection Grade and Pave	\$115,000
CSAH 57 TH 14 RAB's at Riverfront Drive Grade and Pave	\$2,075,000
CSAH 72 City of Vernon Center Urban Section Grade and Pave	\$150,000
CSAH 82 CSAH 60 to south of Hoffman Rd Grade and Pave	\$3,570,000
CSAH 27 US 14 to North County Line Pave	\$921,000
CSAH 10 Blue Earth River to CSAH 1 Pave	\$767,000
County Wide Overlays	\$1,928,000
Bridge Replacement Funds	\$100,000
Planning, Cooperative Projects, Right of Way, & Construction Contingencies	\$1,845,000
Total for 2021	\$28,252,000
Available Funding	2021
CSAH Regular	\$5,600,000
CSAH Municipal	\$785,000
Federal Regular	
Federal Other	
State TH or State Bonds	\$13,915,000
Town Bridge	
Township/City	\$652,000
Sales Tax	\$6,300,000
Sales Tax Pay Back	
County	\$1,000,000
Total	\$28,252,000

BEC CIP 2021



PAVING PROJECTS



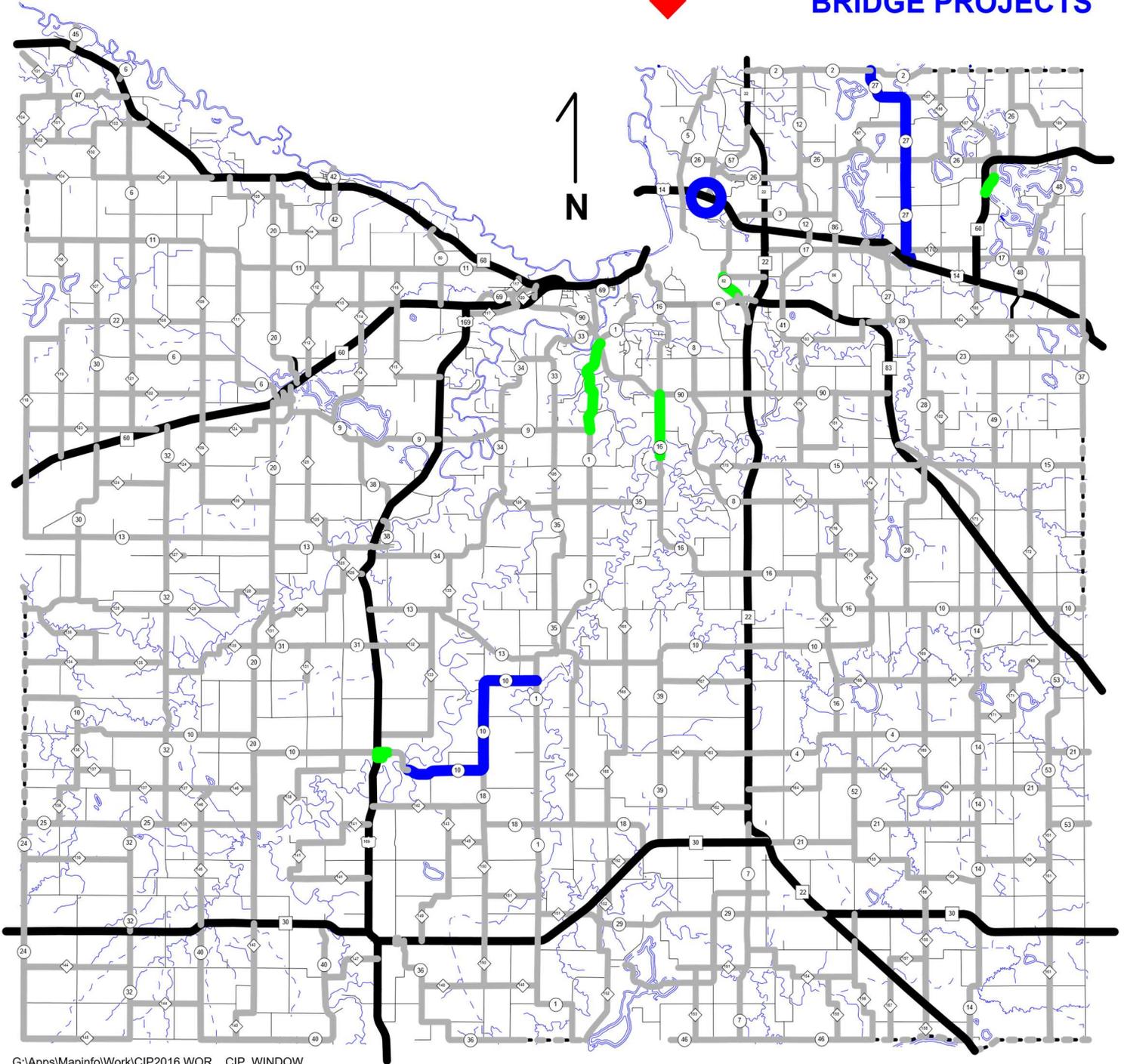
GRADING PROJECTS



ROUNDAABOUT

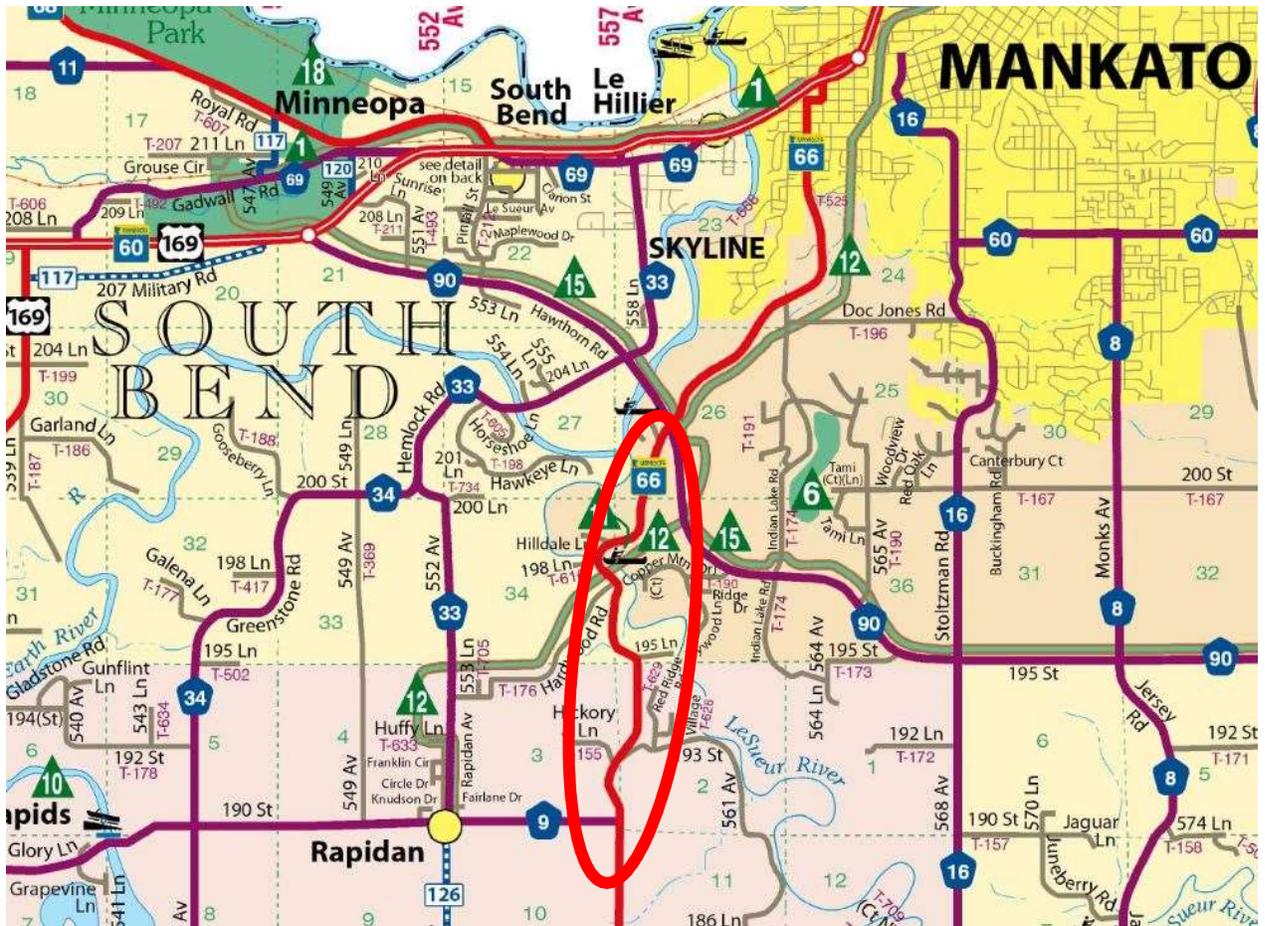


BRIDGE PROJECTS



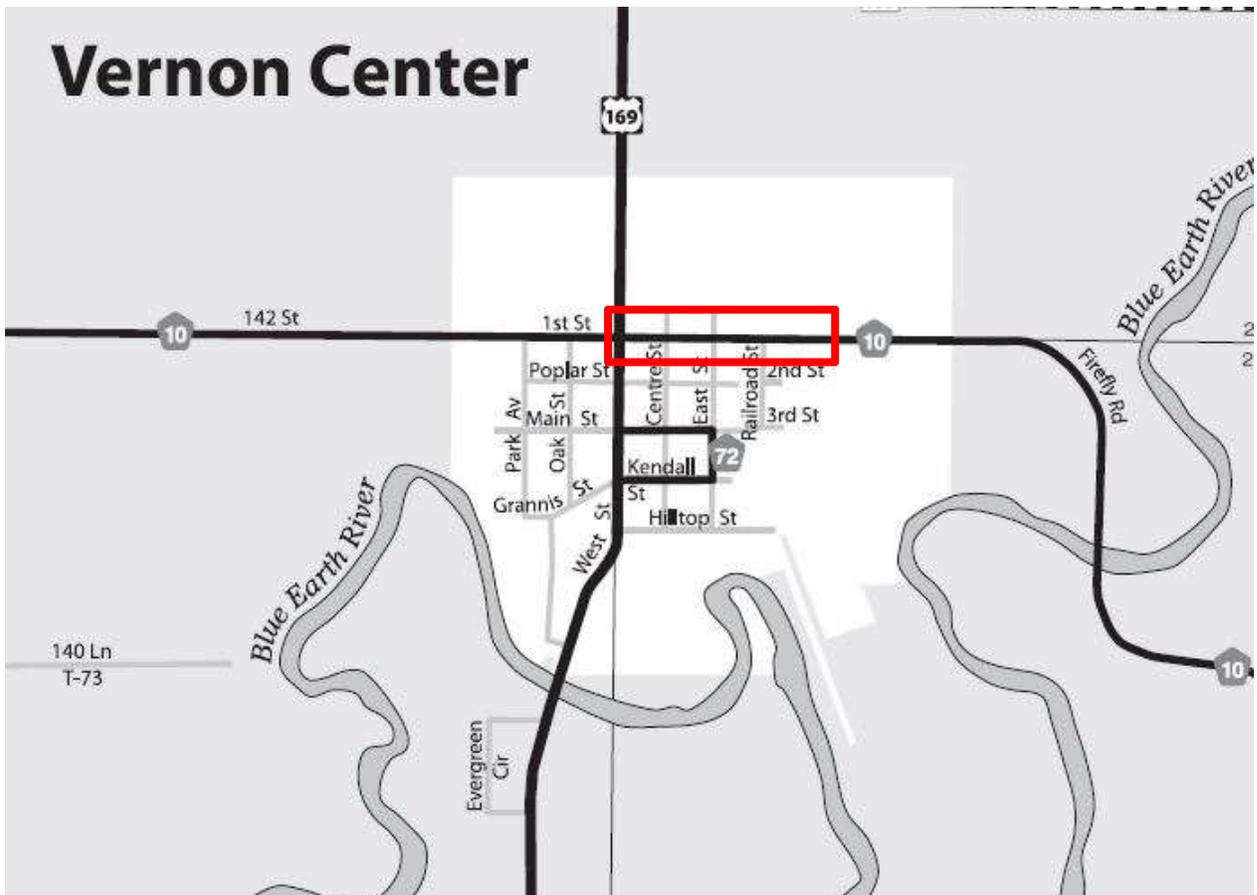
CSAH 1 - CSAH 9 to CSAH 90

Project Type	MAPO, CSAH, Turnback, Paving
Purpose & Need	<ol style="list-style-type: none"> 1) Improve safety by constructing shoulders, ditch slopes, horizontal and vertical curves, and recovery area meeting current geometric standards. 2) Provide 10-ton per axle smooth pavement serving farm to market freight traffic and quality access for our citizens. 3) Improve drainage obstructed by sediment filled ditches and deteriorated pipes. 4) Improve the connection from the centrally located Good Thunder region to Mankato
Description	The vertical curves will be regraded, shoulders widened and a new bituminous road section providing a strengthened 10-ton design meeting or exceeding state standards on this 2.8-mile segment.
Estimated Cost	\$13,189,000
Potential Funding Sources	Turnback
Transportation Sales Tax Project	No



CSAH 10 - City of Vernon Center Urban Section

Project Type	CSAH, Rural, Grading and Paving
Purpose & Need	<ol style="list-style-type: none"> 1) The City of Vernon Center has a need to replace their municipal connections including water, storm, and sanitary sewer running below CSAH 10 within city limits. 2) The road surface condition will be improved.
Description	The City of Vernon Center is planning to reconstruct a large portion of the cities interior road network. This project will be financed through the USDA-Rural Development. The project will span 0.6 miles from Oak St. to approximately 0.2 miles east of Railroad St. The funding not supplied by the USDA will be a cost share system for the road improvements only, based on a 90% county 10% city split.
Estimated Cost	\$1,062,000
Potential Funding Sources	CSAH Regular, CSAH Municipal, City of Vernon Center, USDA-Rural Development
Transportation Sales Tax Project	No



CSAH 16 - from CSAH 90 to Le Sueur River

Project Type	CSAH, Rural Reconstruction
Purpose & Need	<ol style="list-style-type: none">1) Improve safety by constructing shoulders, ditch slopes, horizontal and vertical curves, and recovery area meeting current geometric standards.2) Provide 10 ton per axle smooth pavement serving farm to market freight traffic and quality access for our citizens.3) Improve drainage obstructed by sediment filled ditches and deteriorated pipes.
Description	The curves will be regraded, shoulders widened and pavement replaced with a new wearing surface providing a strengthened 10-ton design to help with freight and farm traffic in the area. This project spans 2 miles from CSAH 90 to just north of the Le Sueur River.
Estimated Cost	\$2,530,000
Potential Funding Sources	CSAH Regular
Transportation Sales Tax Project	No

CSAH 44 - MN TH 60 Realign S. Intersection

Project Type	CSAH, CSAH Municipal, Reconstruction
Purpose & Need	<ol style="list-style-type: none">1) In accordance with the MnDOT TH 60 project in 2021, the intersection of CSAH 44 and TH 60 will be improved.2) The road needs to be widened to increase safety along its route.
Description	This project will be incorporated into the MnDOT TH 60 project scheduled for 2021. The work outside of State ROW will be a cost share of 90% County and 10% City for CSAH items. The project will include the addition of intersection lighting, turn lanes and realignment to a tangent intersection for safety enhancements.
Estimated Cost	\$115,000
Potential Funding Sources	CSAH Regular, City of Madison Lake
Transportation Sales Tax Project	No



CSAH 57 - Roundabouts with TH 14

	CSAH Regular
Purpose & Need	<ol style="list-style-type: none"> 1) Reduce traffic congestion and improve overall Level of Service (LOS). 2) Increase intersection safety and operational capacity. 3) Meet LOS warrants for forecasted increases in traffic levels. 4) Increase access to TH 14 from CSAH 57
Description	Roundabouts will be constructed at the intersections of CSAH 57 and the access points of TH 14. The county will be responsible for the northern roundabout and the city will be responsible for the southern roundabout.
Estimated Cost	2,075,000
Potential Funding Sources	Transportation Sales Tax, City of Mankato, State Funds
Transportation Sales Tax Project	Yes

CSAH 72 - City of Vernon Center Urban Section

Project Type	CSAH, CSAH Municipal, Reconstruction
Purpose & Need	1) The City of Vernon Center is planning on making utility improvements in the year of 2021. Included in this is utilities running under CSAH 72. This would be a great opportunity to improve the roadway condition.
Description	The improvement project in the City of Vernon Center will span 0.4 miles from Main Street to Kendall Street. This project will include utility improvements as well as roadway improvements. The cost for the roadway improvement portion of this will be a cost-share system with a 90% county 10% city split.
Estimated Cost	\$150,000
Potential Funding Sources	CSAH Municipal, City of Vernon Center
Transportation Sales Tax Project	No



CSAH 82 - CSAH 60 to south of Hoffman Rd

Project Type	CSAH, CSAH Municipal, Reconstruction
Purpose & Need	<ol style="list-style-type: none"> 1) The road surface condition is deteriorating and will be improved with a smooth pavement. 2) Drainage improvements will be made by improving storm sewer and urbanizing this 0.6 mile segment. 3) Pedestrian facilities will be added.
Description	The improvement project in the City of Mankato will span 0.6 miles from the northern limits of the Stadium Rd roundabout to Hoffman Rd.. This project will include utility improvements as well as roadway improvements. The cost for the roadway improvement portion of this will be a cost-share system with the city of Mankato paying for its share of Balcerzak Dr. road and traffic signal work.
Estimated Cost	\$3,570,000
Potential Funding Sources	CSAH Regular, Transportation Sales Tax, Local Road and Bridge
Transportation Sales Tax Project	Yes

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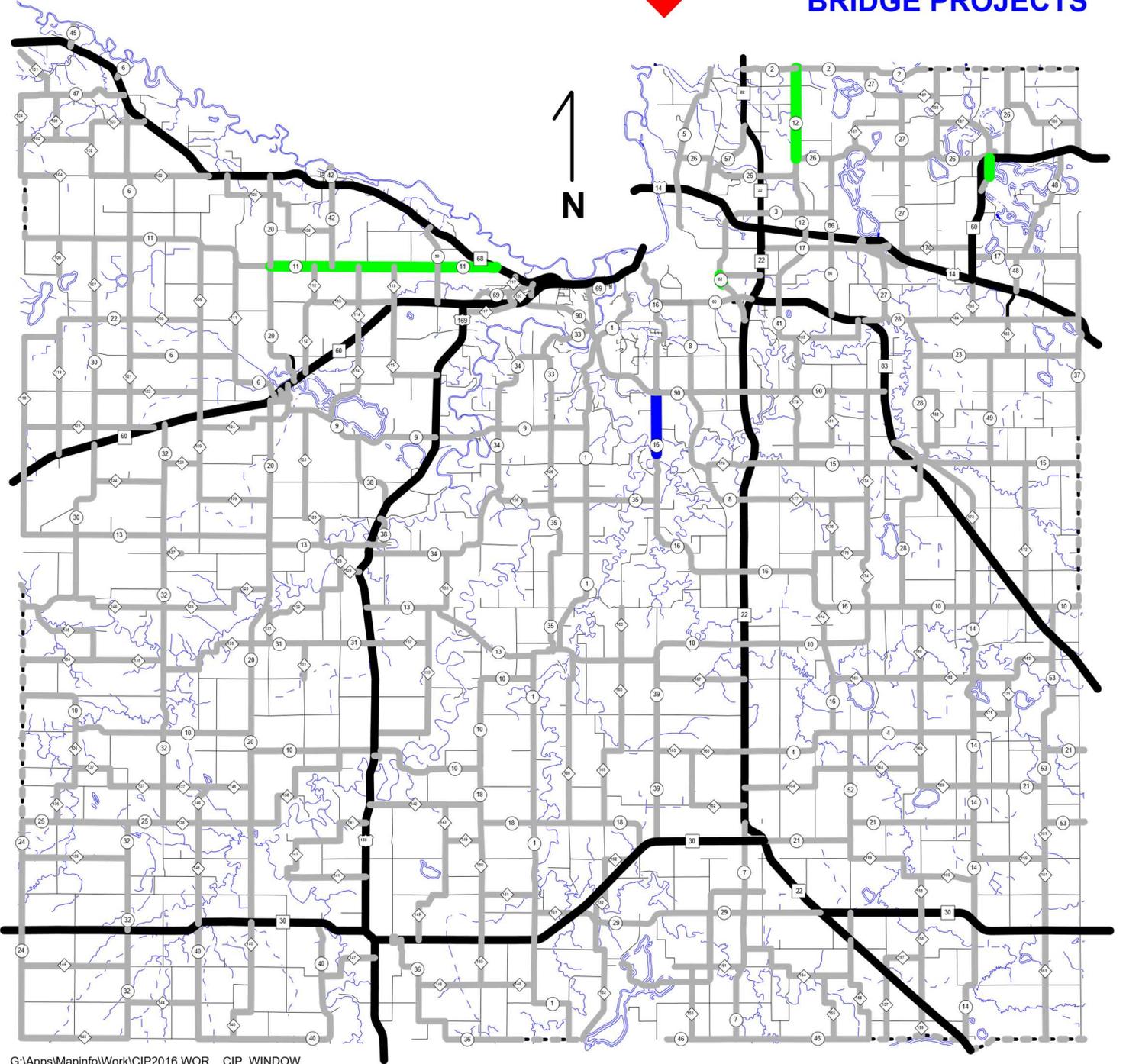
BLUE EARTH COUNTY

2022 CAPITAL IMPROVEMENT PROJECTS

2022	
Project	Cost
CSAH 11 TH 68 to CSAH 20	\$6,189,000
Grade and Pave	
CSAH 12 CSAH 26 North County Line	\$2,071,000
Grade and Pave	
CSAH 44 TH 60 to TH 60	\$1,220,000
Grade and Pave	
CSAH 16 CSAH 90 to Le Sueur River	\$260,000
Pave	
County Wide Overlays	\$1,350,000
Bridge Replacement Funds	\$609,000
Planning, Cooperative Projects, Right of Way, & Construction Contingencies	\$1,908,000
Total for 2022	\$13,607,000
Available Funding	2022
CSAH Regular	\$5,600,000
CSAH Municipal	\$450,000
Federal Regular	
Federal Other	
State TH or State Bonds	
Town Bridge	
Township/City	\$257,000
Sales Tax	\$6,300,000
Sales Tax Pay Back	
County	\$1,000,000
Total	\$13,607,000

BEC CIP 2022

- PAVING PROJECTS
- GRADING PROJECTS
- ROUNDBABOUT
- BRIDGE PROJECTS



CSAH 11 - MN TH 68 to CSAH 20

Project Type	CSAH, Rural Reconstruction
Purpose & Need	<ol style="list-style-type: none"> 1) Improve safety by constructing shoulders, ditch slopes, horizontal and vertical curves, and recovery area meeting current geometric standards. 2) Provide 10-ton per axle smooth pavement serving farm to market freight traffic and quality access for our citizens. 3) Improve drainage obstructed by sediment filled ditches and deteriorated pipes.
Description	The vertical curves will be regraded, shoulders widened and the pavement will be recycled. A new bituminous wearing surface providing a strengthened 10-ton design meeting or exceeding state standards on this 6.5 mile segment. The final (top) lift of the bituminous wearing course will be completed in 2023.
Estimated Cost	\$6,189,000
Potential Funding Sources	Transportation Sales Tax
Transportation Sales Tax Project	Yes



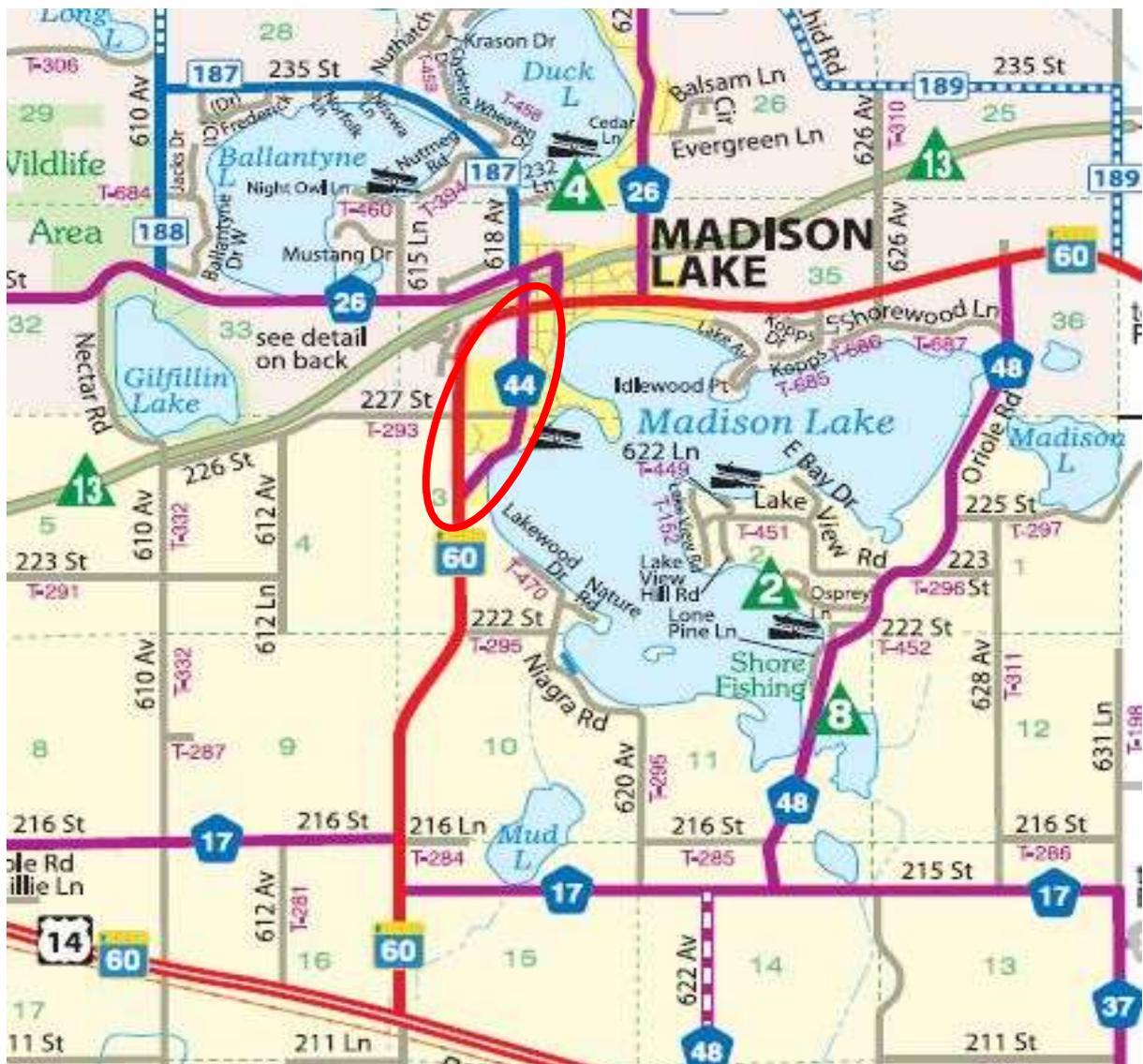
CSAH 12 - CSAH 26 to CSAH 2

Project Type	CSAH, Rural Reconstruction Grading and Paving
Purpose & Need	<ol style="list-style-type: none"> 1) Improve safety by constructing shoulders, ditch slopes, horizontal and vertical curves, and recovery area meeting current geometric standards. 2) Provide 10 ton per axle smooth pavement serving farm to market freight traffic and quality access for our citizens. 3) Improve drainage obstructed by sediment filled ditches and deteriorated pipes.
Description	Vertical and horizontal curves will be re-graded, shoulders widened and the pavement will be recycled with a new bituminous wearing surface providing a strengthened 10-ton design meeting or exceeding state standards on this 2.5-mile segment. The final (top) lift of the bituminous wearing course will be completed in 2023.
Estimated Cost	\$2,071,000
Potential Funding Sources	CSAH Regular
Transportation Sales Tax Project	No



CSAH 44 - MN TH 60 to MN TH 60

Project Type	CSAH, Urban Grade, Paving
Purpose & Need	<ol style="list-style-type: none">1) The City of Madison Lake has a need to replace their municipal utilities including water, storm, and sanitary sewer running below CSAH 44.2) The road surface condition will be improved with a stronger, smooth pavement. Drainage improvements will be made. Consideration will be given to adding storm sewer and urbanizing this 1-mile segment
Description	The project will span 1 mile from the north junction of CSAH 44 and MN TH 60 to the south junction of CSAH 44 and MN TH 60. The funding will be a cost share system for the road improvements only based on 90% county and 10% city split, with the city responsible for 100% of their utilities cost.
Estimated Cost	\$1,220,000
Potential Funding Sources	CSAH Regular, CSAH Municipal, City of Madison Lake
Transportation Sales Tax Project	No



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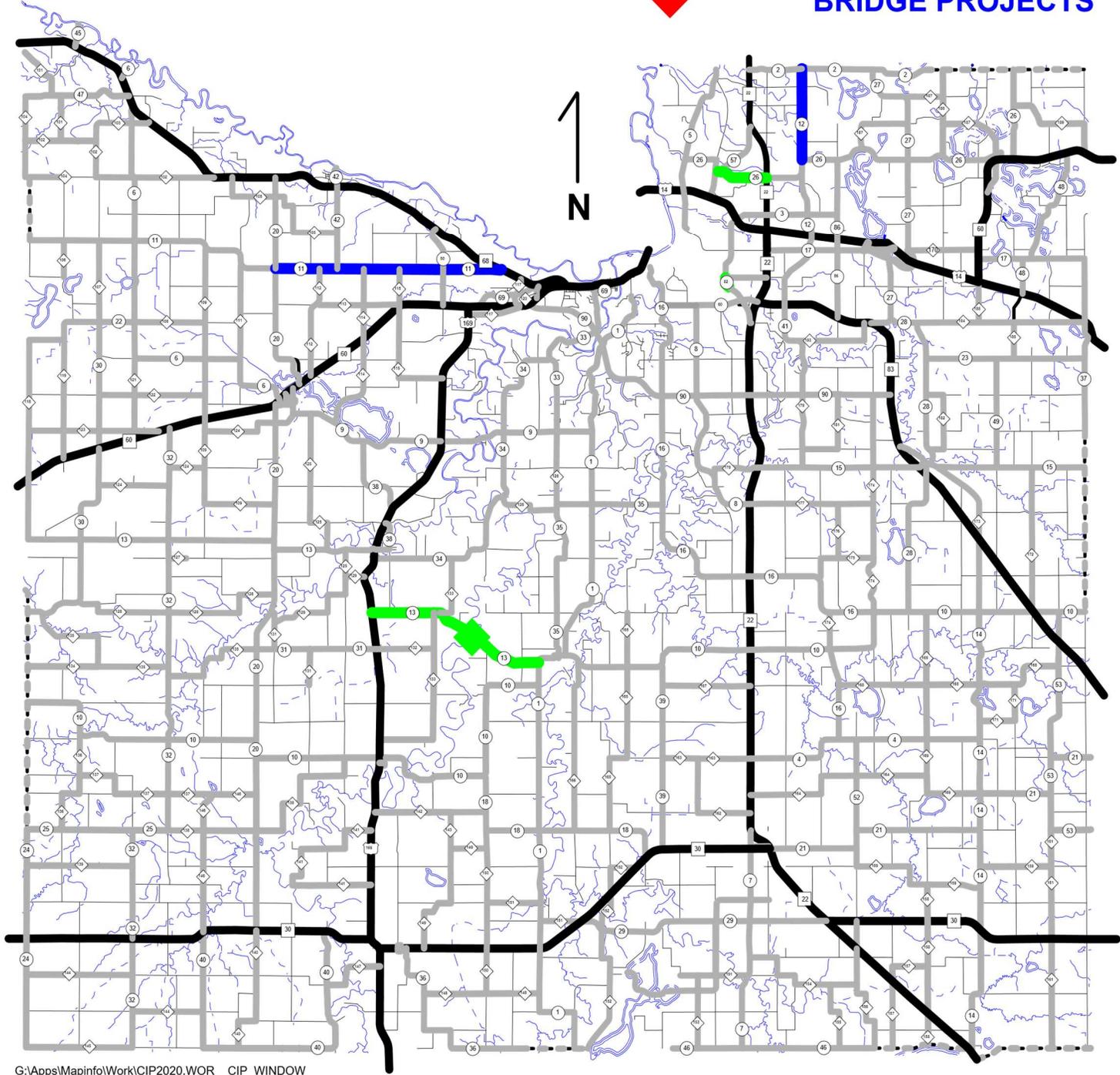


BLUE EARTH COUNTY

2023 CAPITAL IMPROVEMENT PROJECTS

BEC CIP 2023

- PAVING PROJECTS
- GRADING PROJECTS
- ROUNDBABOUT
- BRIDGE PROJECTS



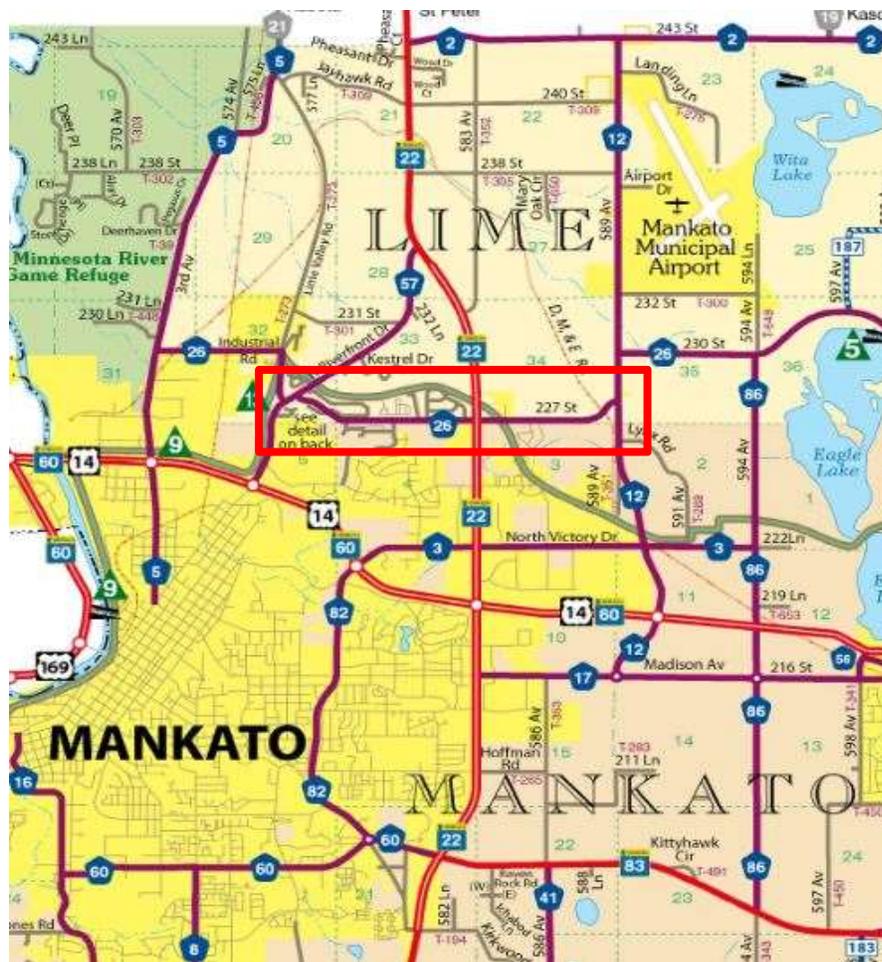
CSAH 13 - US 169 to CSAH 1

Project Type	CSAH, Rural Reconstruction, Replace Bridge
Purpose & Need	<ol style="list-style-type: none"> 1) Improve safety by constructing shoulders, ditch slopes, horizontal and vertical curves, and recovery area meeting current geometric standards. 2) Provide 10-ton per axle smooth pavement serving farm to market freight traffic and quality access for our citizens. 3) Improve drainage obstructed by sediment filled ditches and deteriorated pipes.
Description	The vertical and horizontal curves will be regraded, shoulders widened, and pavement replaced with a new wearing surface providing a strengthened 10-ton design to help with freight and farm traffic in the area. Replace the deteriorated bridge #7208 over the Blue Earth River with new wider structure less without scouring issues.
Estimated Cost	\$6,522,000
Potential Funding Sources	CSAH Regular, Transportation Sales Tax, State Bonds
Transportation Sales Tax Project	Yes



CSAH 26 - from CSAH 57 to TH 22

Project Type	CSAH, Urban Reconstruction
Purpose & Need	<ol style="list-style-type: none"> 1) Improve safety by constructing shoulders, road alignment, horizontal and vertical curves to meet geometric standards. 2) Provide 10 ton per axle smooth pavement for agricultural, commercial and residential traffic and quality access for our citizens. 3) Improve drainage obstructed by sediment filled ditches and deteriorated pipes.
Description	The west segment currently is a rural section and will be reconstructed to an urban section with utility and drainage improvements. The east segment pavement will be cold-in-place recycled with a new bituminous wearing surface providing a strengthened 10 ton design meeting or exceeding state standards on this 6 mile segment. The final 2" top wearing will be placed in 2024.
Estimated Cost	\$2,595,000
Potential Funding Sources	CSAH Regular, Transportation Sales Tax
Transportation Sales Tax Project	Yes



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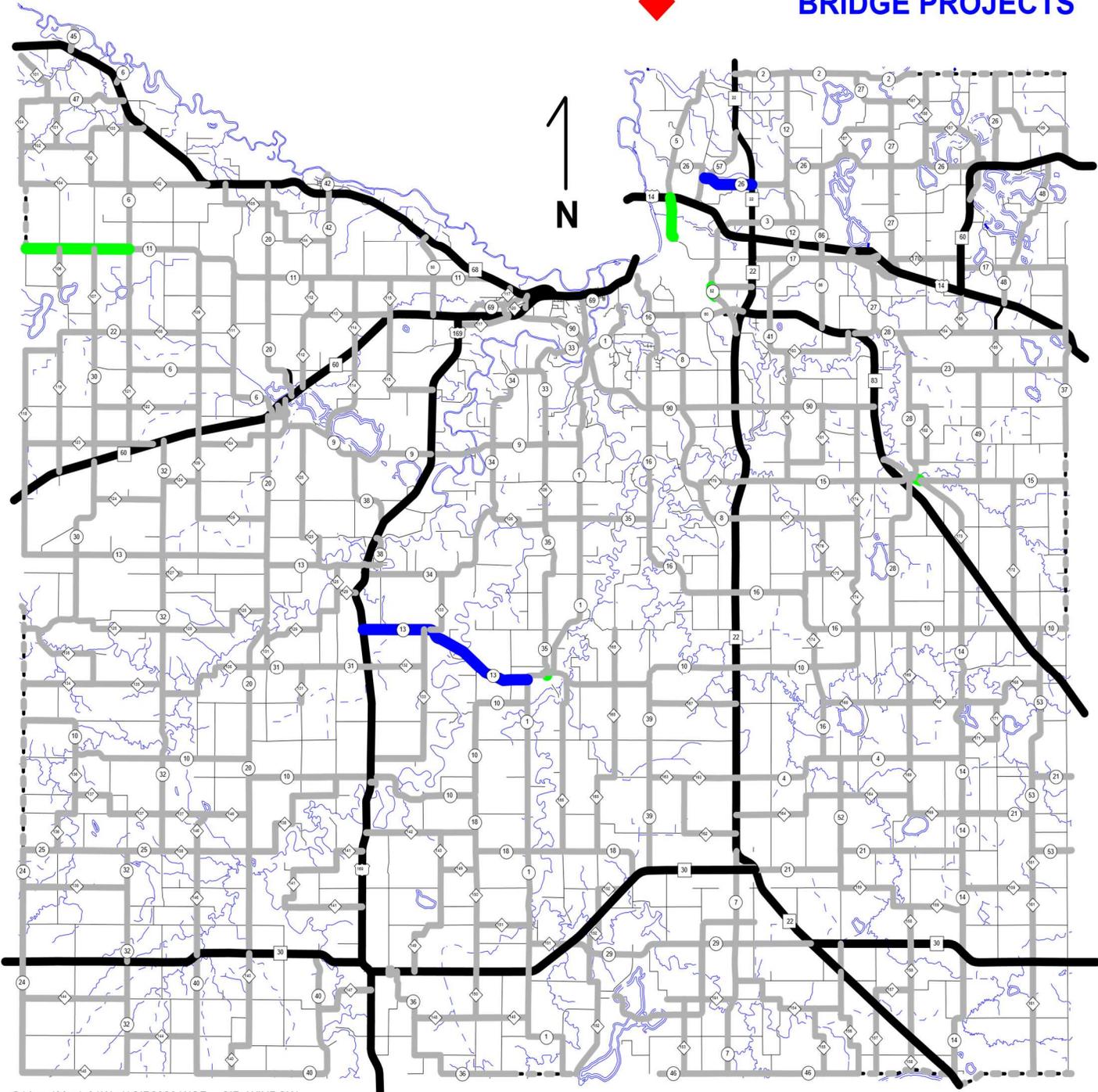


BLUE EARTH COUNTY

2024 CAPITAL IMPROVEMENT PLAN

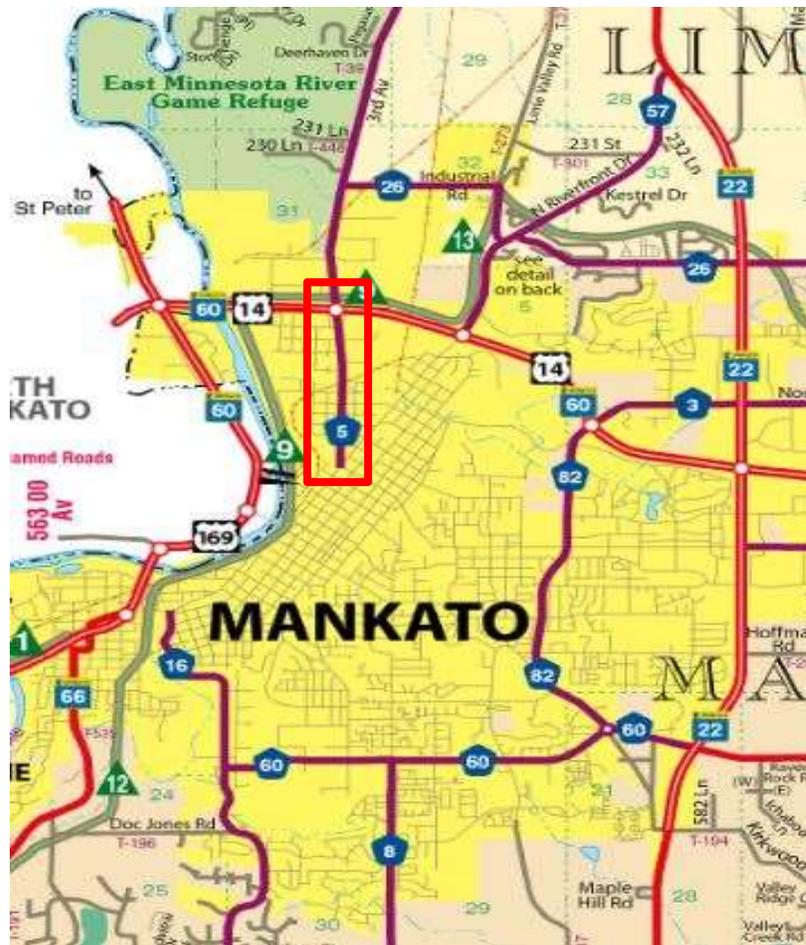
BEC CIP 2024

-  **PAVING PROJECTS**
-  **GRADING PROJECTS**
-  **ROUNDBABOUT**
-  **BRIDGE PROJECTS**



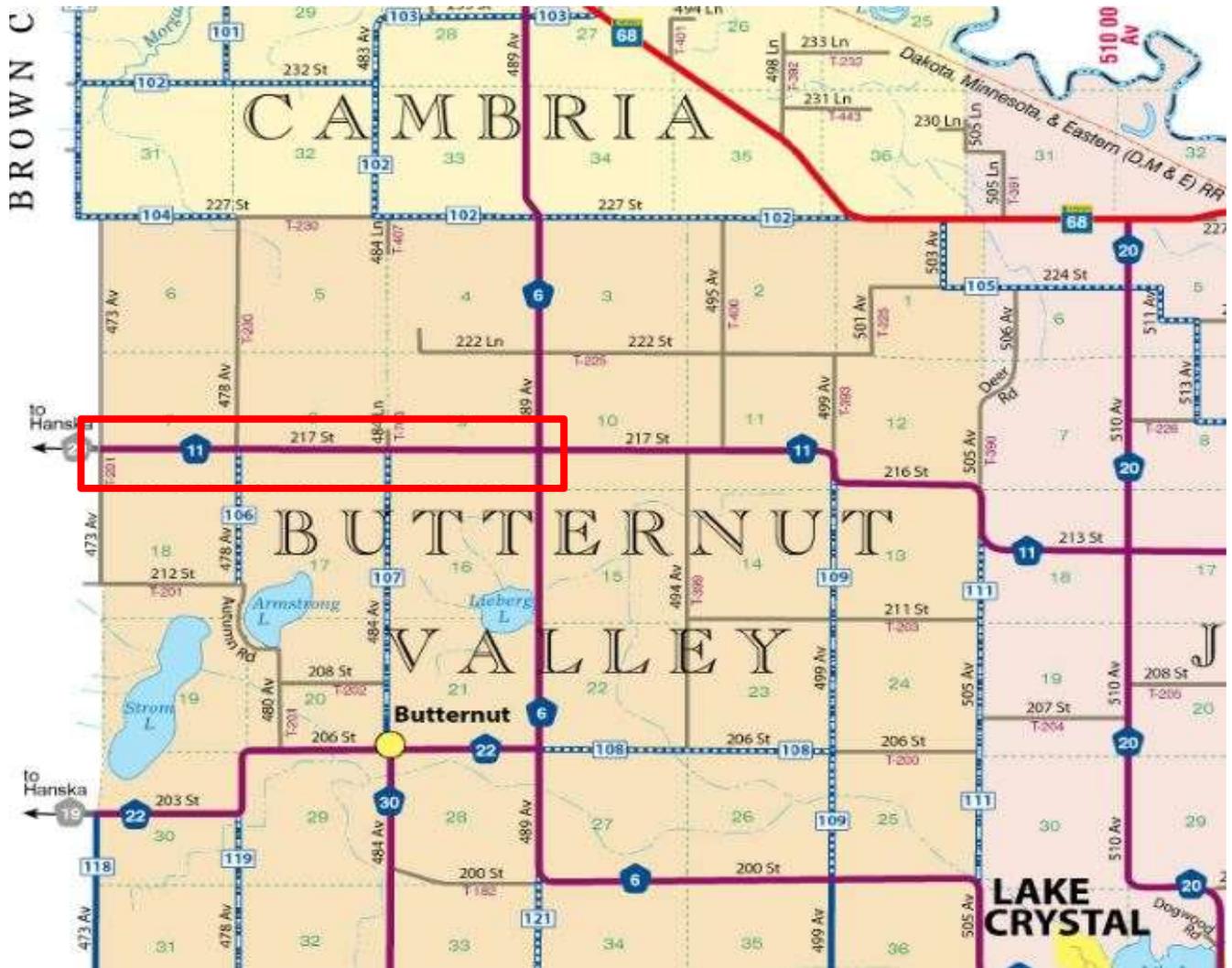
CSAH 5 - North Riverfront Drive to US 14

Project Type	CSAH, Pavement Rehabilitation
Purpose & Need	<ol style="list-style-type: none">1) The condition of the existing urban roadway is deteriorating.2) A new surface will be constructed to provide better access for our citizens and local businesses.3) Provide new intersection controls at the intersection of CSAH 5 and US 14 to reduce traffic congestion for vehicle safety improvements and truck traffic.
Description	The pavement wearing surface will be removed and replaced. Curb sections will be repaired. Cracked concrete pavement sections will be repaired. All pedestrian access routes will be improved per the American Disability Act (ADA).
Estimated Cost	\$2,725,000
Potential Funding Sources	State Funds, Transportation Sales Tax
Transportation Sales Tax Project	Yes



CSAH 11 - West County Line to CSAH 6

Project Type	CSAH, Rural Reconstruction, Paving
Purpose & Need	<ol style="list-style-type: none"> 1) Improve safety by constructing shoulders, ditch slopes, horizontal and vertical curves, and recovery area meeting current geometric standards. 2) Provide 10 ton per axle smooth pavement serving farm to market freight traffic and quality access for our citizens. 3) Improve drainage obstructed by sediment filled ditches and deteriorated pipes.
Description	<p>The shoulders will be widened and the pavement will be recycled. A new bituminous wearing surface providing a strengthened 10-ton design meeting or exceeding state standards on this 3-mile segment. The final (top) lift of the bituminous wearing course will be completed in 2025.</p>
Estimated Cost	\$2,907,000
Potential Funding Sources	CSAH Regular
Transportation Sales Tax Project	No



CSAH 73 - CSAH 1 to Sherman Street in Good Thunder

Project Type	CSAH, Urban Reconstruction
Purpose & Need	<ol style="list-style-type: none"> 1) The City of Good Thunder has a need to replace their municipal utilities including water and sanitary sewer running below CSAH 73. 2) The road surface condition will be improved with a 10-ton per axle smooth pavement serving farm to market freight traffic and quality access for our citizens. 3) Drainage will be improved with a new storm sewer system.
Description	The City of Good Thunder wishes to reconstruct this portion of the city utilities under CSAH 73. The project will span 1 city block from CSAH 1 to Sherman St. The project funding will be a cost share system for the road improvements only based on 90% county and 10% city split, with the city responsible for 100% of their utilities cost.
Estimated Cost	\$485,000
Potential Funding Sources	CSAH Municipal, City of Good Thunder
Transportation Sales Tax Project	No

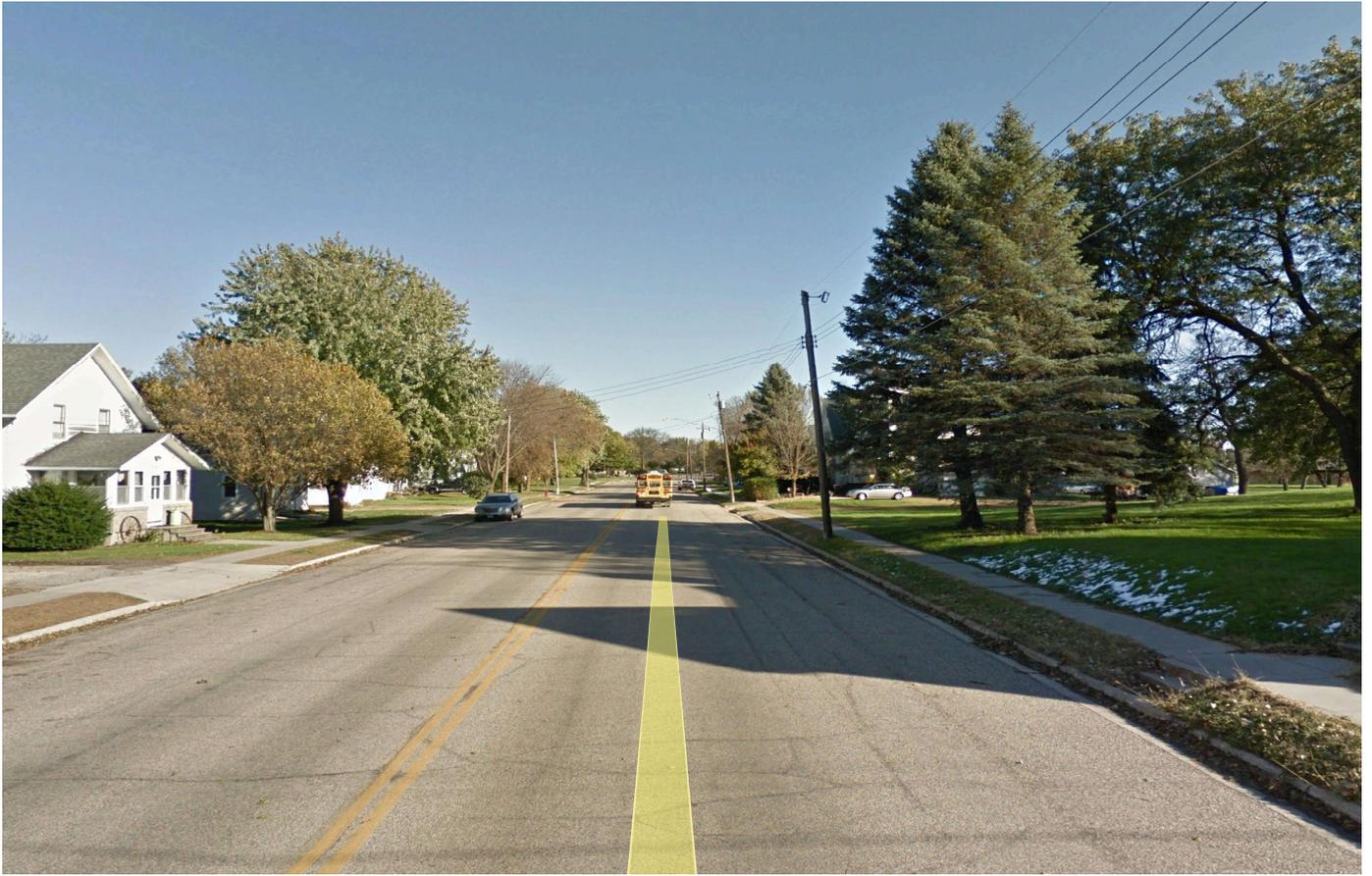


Good Thunder



CSAH 15 - CSAH 28 to Schalow Drive in St. Clair

Project Type	CSAH, Urban Reconstruction
Purpose & Need	<ol style="list-style-type: none"> 1) The City of Saint Clair has a need to replace their municipal utilities including water and sanitary sewer running below CSAH 15. 2) The road surface condition will be improved with a 10 ton per axle smooth pavement serving farm to market freight traffic and quality access for our citizens. 3) Drainage will be improved with a new storm sewer system.
Description	The City of St. Clair is planning to reconstruct this portion of the city utilities under CSAH 15. The project will span .14 miles from CSAH 28 to Schalow Dr. The project funding will be a cost share system for the road improvements only based on 90% county and 10% city split, with the city responsible for 100% of their utilities cost.
Estimated Cost	\$679,000
Potential Funding Sources	CSAH Regular, CSAH Municipal, City of Saint Clair
Transportation Sales Tax Project	No



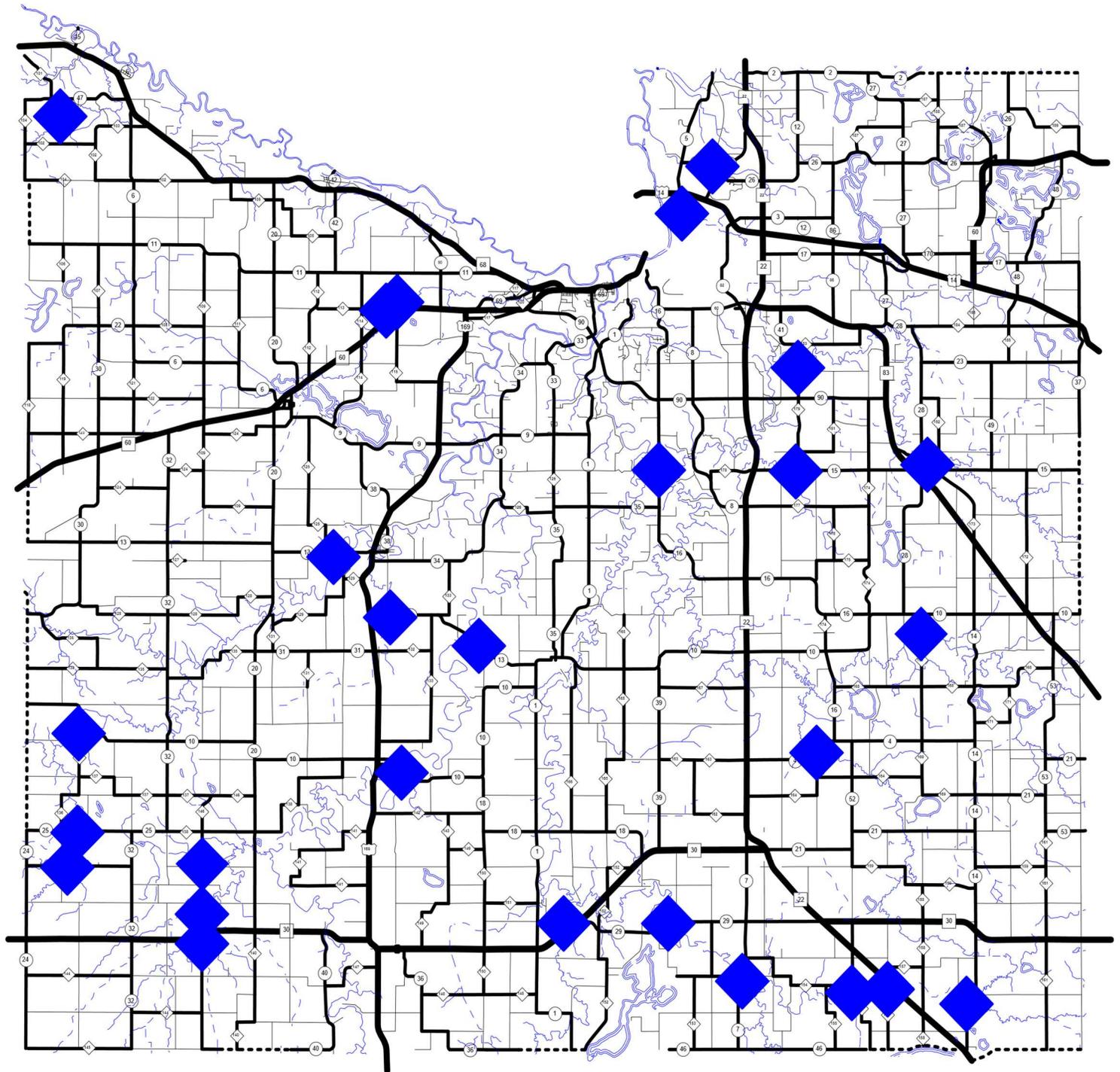
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POTENTIAL BRIDGE PROJECTS

Bridge replacement frequency and schedule is highly dependent on the availability of state and federal bridge replacement funds.

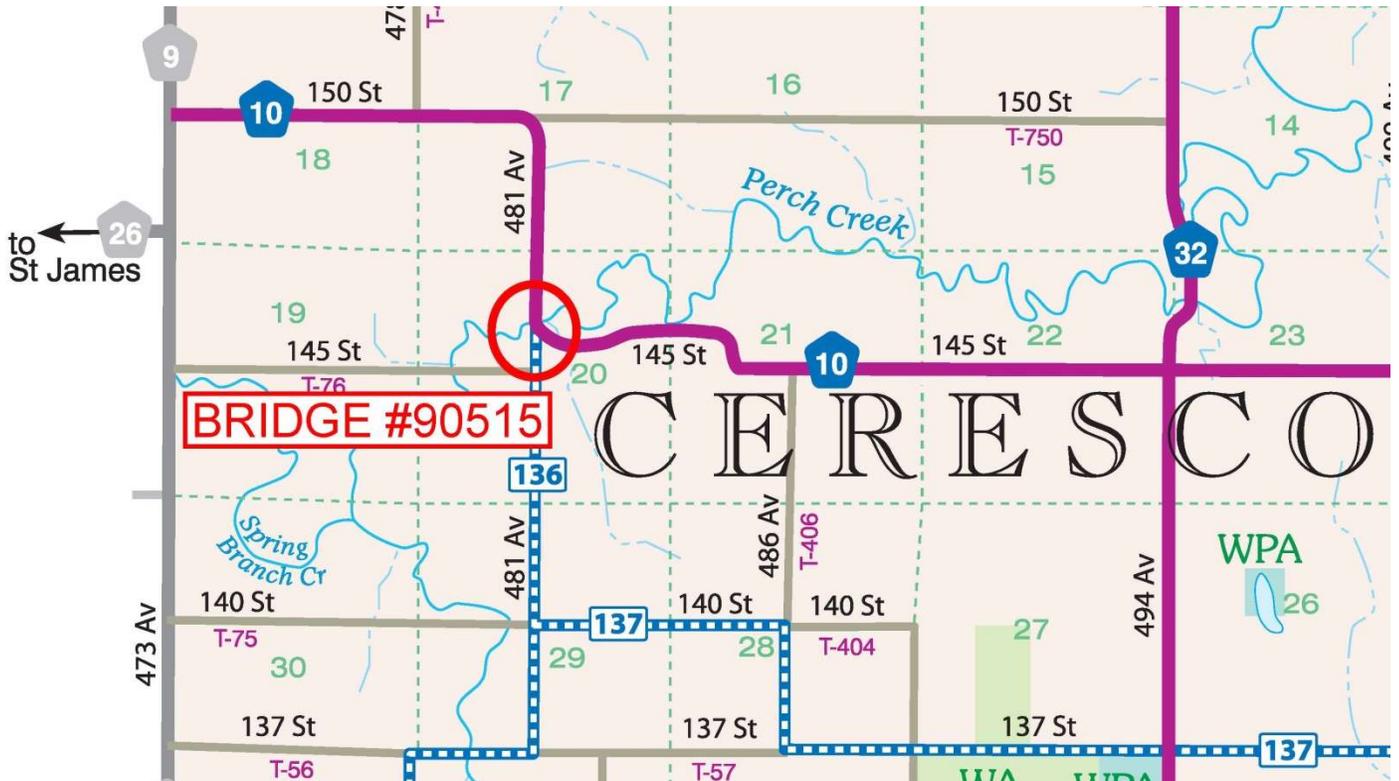
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BEC BRIDGES 2020 - 2024



CSAH 10 - Bridge No. 90515 over Perch Creek

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is narrow and deteriorated. The precast concrete channel beams are cracked and spalled with exposed and rusted rebar. The bridge is scour critical with a sufficiency rating of 69.8.</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$300,000
Potential Funding Sources	State Bridge Bonds, Road and Bridge
Transportation Sales Tax Project	No



Future

County Road 101 - Bridge No. 07511 over Morgan Creek

Project Type	County Road Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is deteriorated. The bridge consists of steel piling bents, deteriorating timber piling abutments and precast concrete channel deck. The bridge is structurally deficient with a sufficiency rating of 66.6.</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$500,000
Potential Funding Sources	State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No

Future

County Road 151 - Bridge No. 3773 over Rice Creek

Project Type	County Road Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is very narrow and deteriorating. The bridge is functionally obsolete and has a sufficiency rating of 30.9.</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$500,000
Potential Funding Sources	State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No



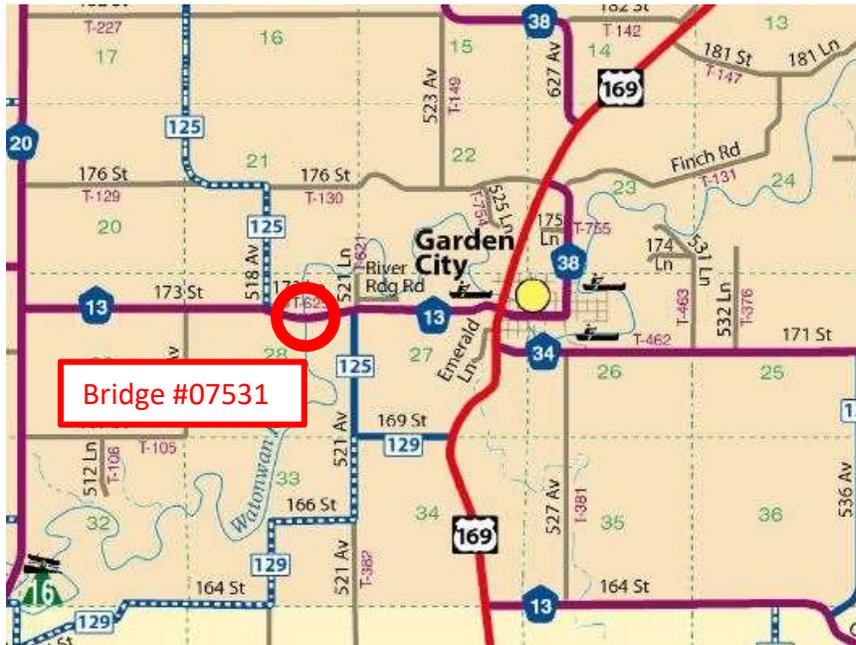
Future

County Road 157 - Bridge No. 90550 over County Ditch 96

Project Type	County Road Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is very narrow. The bridge has a sufficiency rating of 100.0. However the 72" CS pipe that carries the channel is deteriorating and in need of replacement.</p>
Description	The bridge and CS culvert will be replaced with a precast concrete box culvert.
Estimated Cost	\$200,000
Potential Funding Sources	Road & Bridge
Transportation Sales Tax Project	No

CSAH 13 - Bridge No. 07531 over the Watonwan River

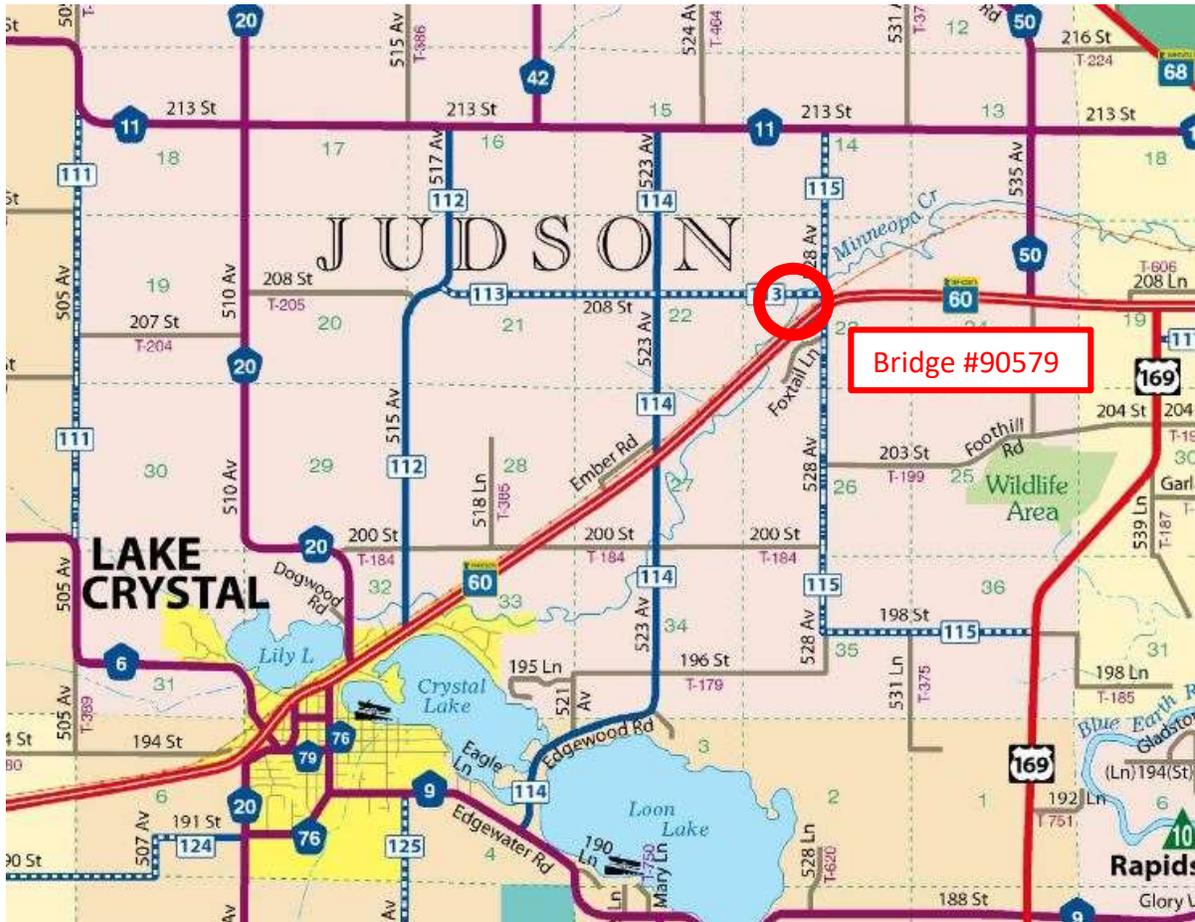
Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is very narrow and deteriorating. The bridge is scour critical and has a sufficiency rating of 78.6.</p>
Description	The bridge will be replaced with a precast concrete beam bridge.
Estimated Cost	\$1,600,000
Potential Funding Sources	CSAH Regular (Road Approaches), State Bridge Bonds, Road & Bridge



Future

County Road 113 - Bridge No. 90579 over Minneopa Creek

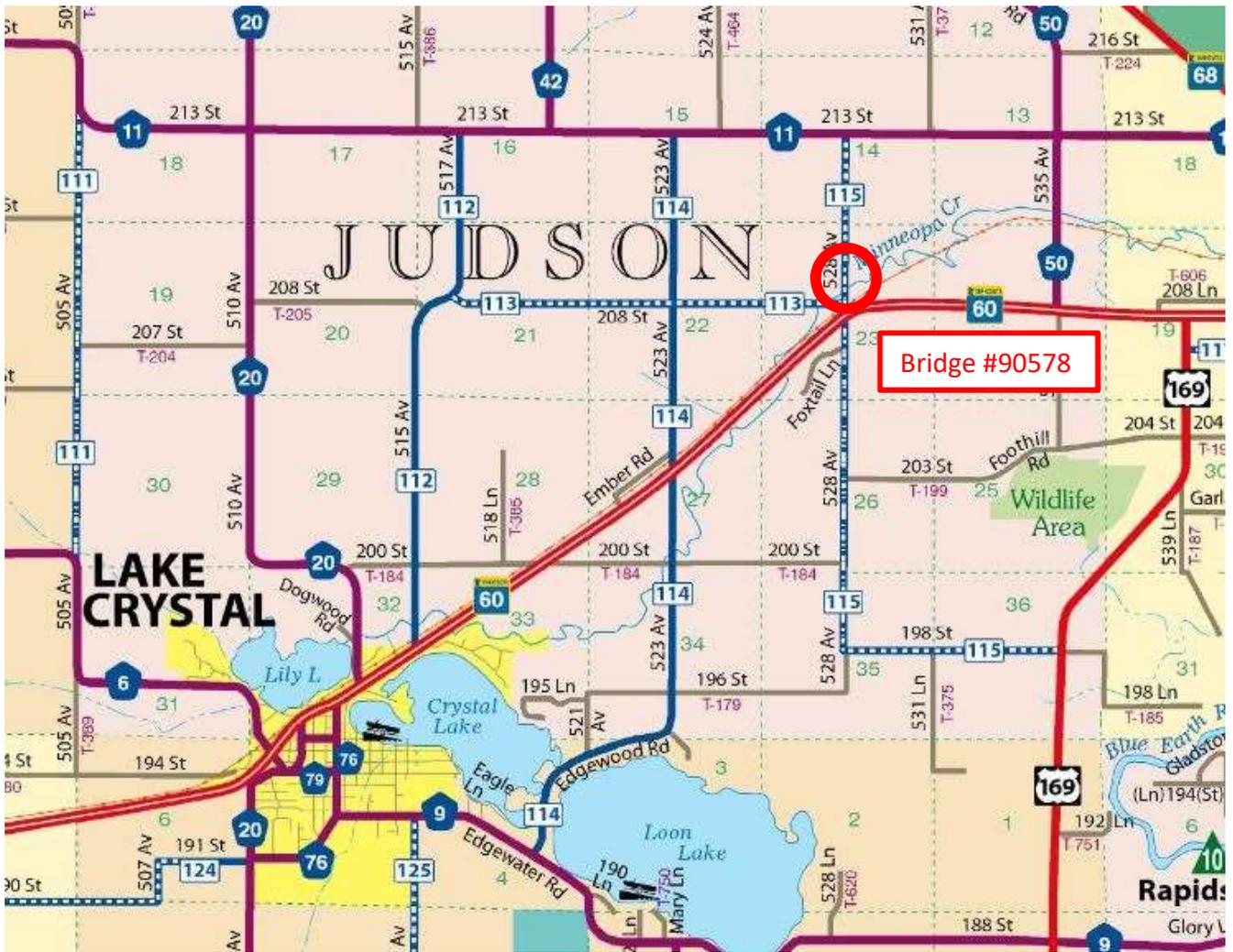
Project Type	County Road Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is deteriorated and narrow. The bridge consists of a cast in place double box culvert. The bridge has a sufficiency rating of 89.0.</p>
Description	The bridge will be replaced with a precast double box culvert.
Estimated Cost	\$250,000
Potential Funding Sources	State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No



Future

County Road 115 - Bridge No. 90578 over Minneopa Creek

Project Type	County Road Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is deteriorated and narrow. The bridge consists of a cast in place double box culvert. The bridge has a sufficiency rating of 100.0.</p>
Description	The bridge will be replaced with a precast double box culvert.
Estimated Cost	\$250,000
Potential Funding Sources	State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No



Future

County Road 169 - Bridge No. 5084 over Little Cobb River

Project Type	County Road Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is deteriorated and narrow. The bridge consists of concrete abutments, cracked and spalled concrete deck, and rusting steel beams. The bridge is scour critical and has a sufficiency rating of 60.6.</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$500,000
Potential Funding Sources	State Bridge Bonds, Road & Bridge, Transportation Sales Tax.
Transportation Sales Tax Project	No



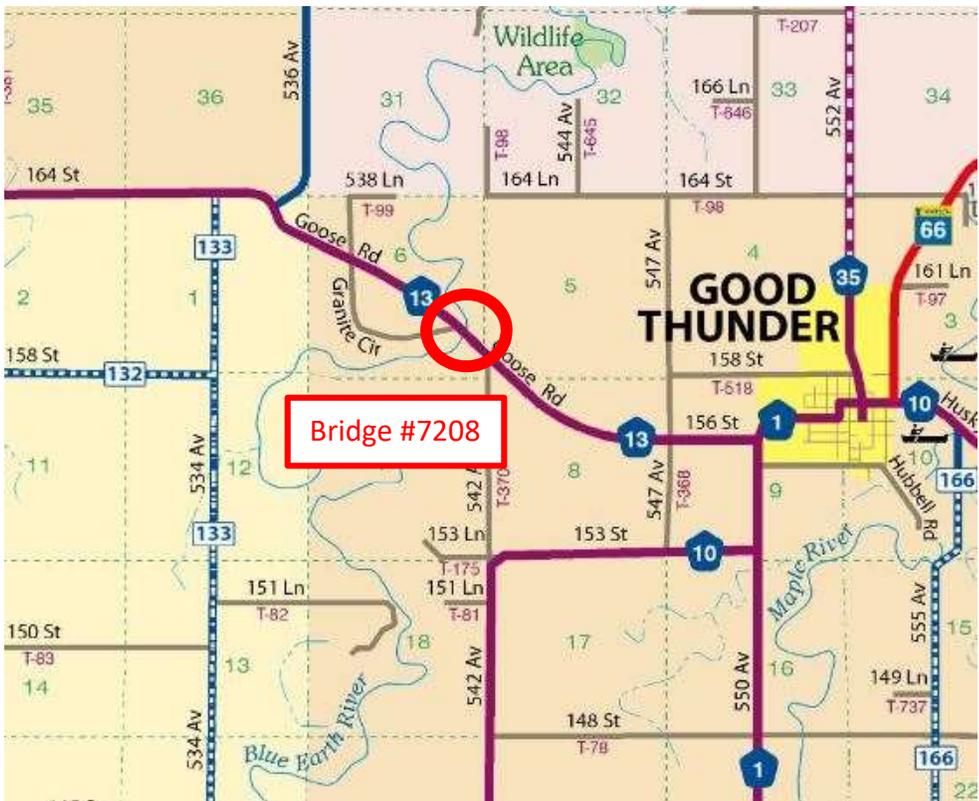
County Road 146 - Bridge No. 90524 over Marble Creek

Project Type	County Road Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is deteriorated and narrow. The bridge consists of a cast in place double box culvert. The bridge has a sufficiency rating of 93.5.</p>
Description	The bridge will be replaced with a precast concrete beam, slab span structure or double box culvert.
Estimated Cost	\$250,000
Potential Funding Sources	State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No



CSAH 13 - Bridge No. 7208 over Blue Earth River

Project Type	CSAH Bridge
Purpose & Need	<p>3) Improve safety and access by providing a structurally adequate bridge.</p> <p>4) Improve safety by providing increased width to accommodate trucks and farm equipment.</p> <p>The existing bridge is narrow and is deteriorating. The bridge has significant corrosion on the steel beams. The bridge is scour critical and structurally deficient with a sufficiency rating of 66.5.</p>
Description	The bridge will be replaced with a precast concrete beam bridge.
Estimated Cost	\$1,800,000
Potential Funding Sources	CSAH Regular (Road Approaches), Federal, State Bridge Bonds, Road and Bridge
Transportation Sales Tax Project	No



CSAH 13 - Bridge No. 07J27 over County Ditch 78

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge consists of a cast in place box culvert. The bridge has a sufficiency rating of 77.9.</p>
Description	The bridge will be replaced with a precast concrete box culvert.
Estimated Cost	\$250,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds, Road and Bridge
Transportation Sales Tax Project	No

CSAH 7 - Bridge No. 7151 over the Maple River

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is deteriorated and narrow. The bottom of the steel girders have section loss and the concrete deck is spalling. The bridge has a sufficiency rating of 51.4.</p>
Description	The bridge will be replaced with a precast concrete beam structure.
Estimated Cost	\$600,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No

CSAH 14 - Bridge No. 90519 over Stream

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge consisting of timber piling and abutments with precast concrete channel span is deteriorated and narrow. The timber column is decayed and the concrete channel is spalled with exposed rebar. The bridge is structurally deficient with a sufficiency rating of 70.6.</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$400,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds, Road and Bridge
Transportation Sales Tax Project	No



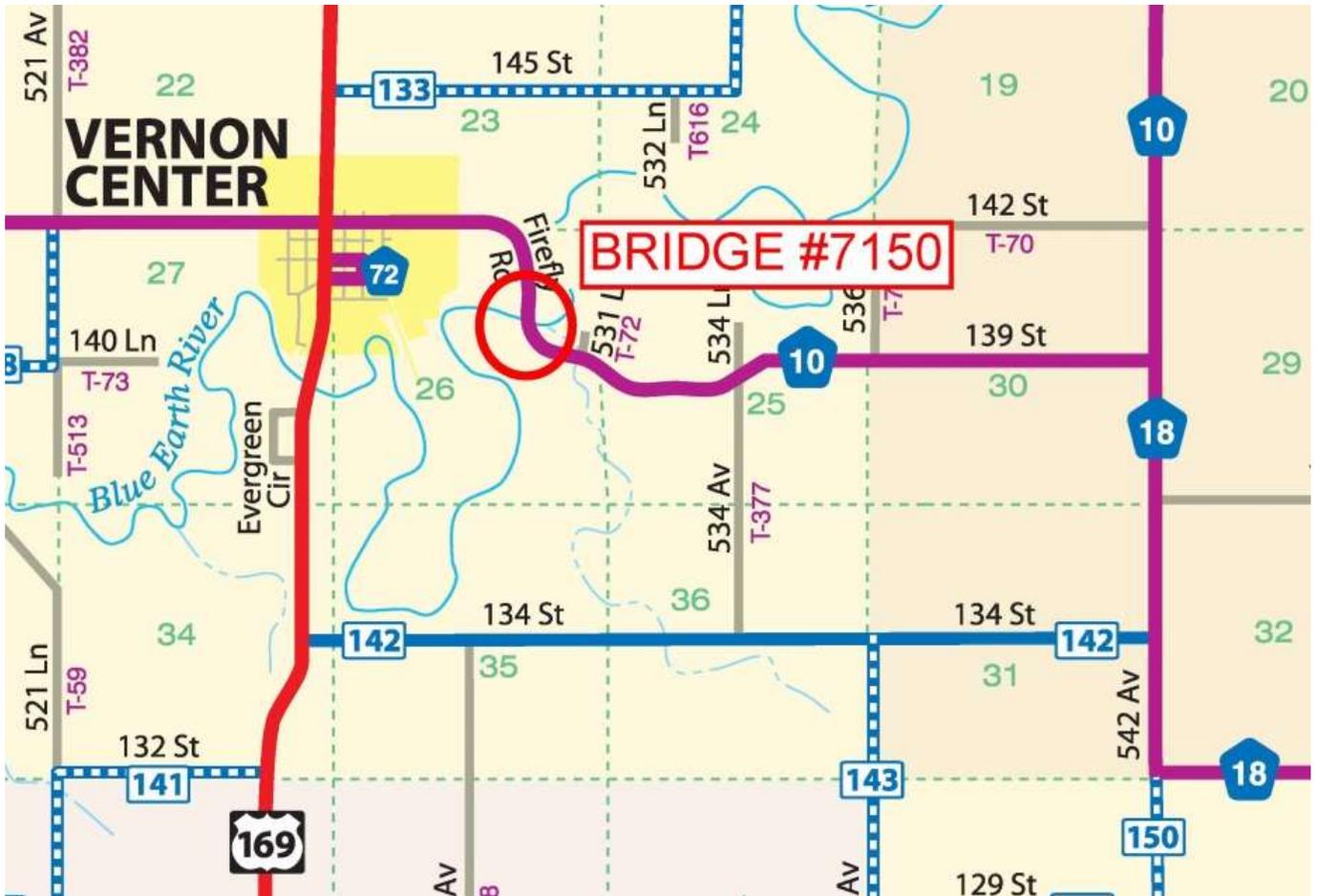
CSAH 5 - Bridge No. 90507 over Stream

Project Type	CSAH Bridge
Purpose & Need	<p>3) Improve safety and access by providing a structurally adequate bridge.</p> <p>4) Improve safety by providing increased width to accommodate trucks and farm equipment.</p> <p>The existing steel culvert bridge is narrow and deteriorated. The bridge has a sufficiency rating of 79.0.</p>
Description	The bridge will be replaced with a precast concrete box culvert.
Estimated Cost	\$410,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds
Transportation Sales Tax Project	No



CSAH 10 - Bridge No. 7150 over the Blue Earth River

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is narrow and deteriorated. The bridge consists of rusted steel girders, concrete abutments, and piers. The bridge is scour critical with a sufficiency rating of 84.0. The bridge has pin and hanger connections which require ultrasonic examination.</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$2,000,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds, Road and Bridge
Transportation Sales Tax Project	No



CSAH 15 - Bridge No. 90141 over Stream

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment without the need for guardrail. <p>The steel culvert bridge is distorted and deteriorating with a sufficiency rating of 83.7.</p>
Description	The bridge will be replaced with a precast concrete box culvert.
Estimated Cost	\$280,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No

Future

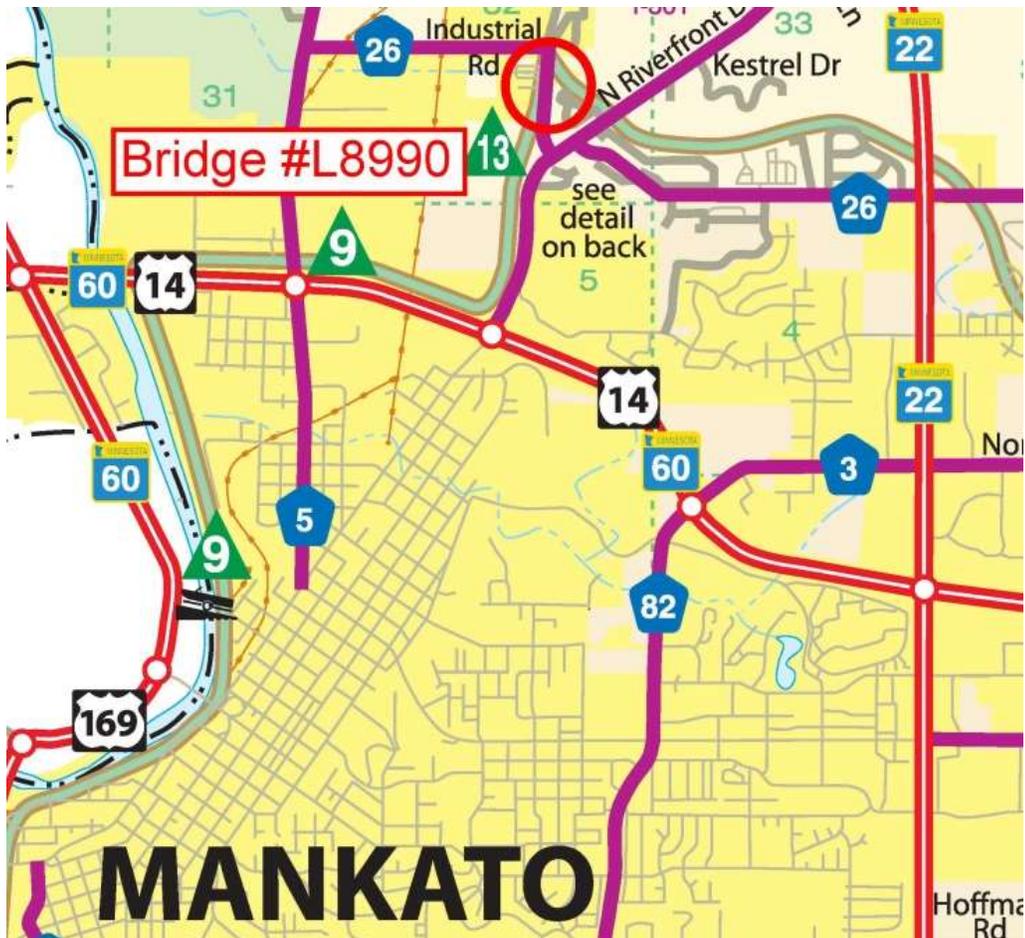
CSAH 25 - Bridge No. 90529 over Perch Creek

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is deteriorated and narrow. The concrete bridge has numerous cracks and is deteriorating with a sufficiency rating of 86.0.</p>
Description	The bridge will be replaced with a slab span or precast concrete beam bridge.
Estimated Cost	\$400,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds
Transportation Sales Tax Project	No



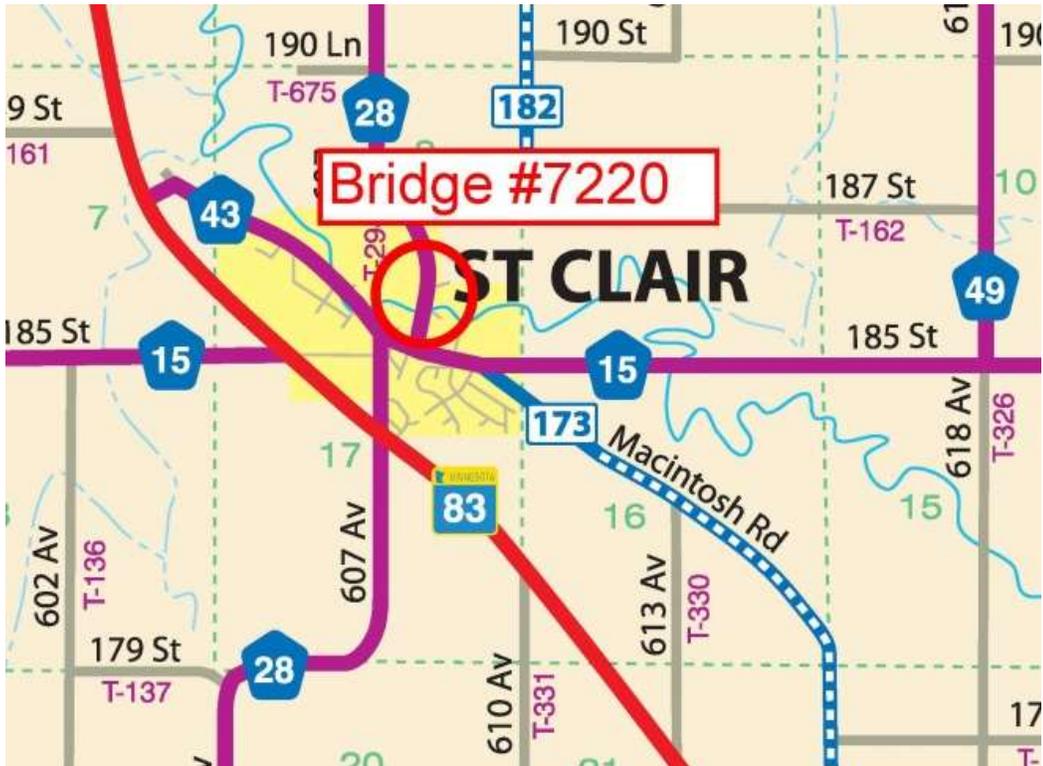
CSAH 26 - Bridge L8990 over Stream

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment without the need for guardrail. <p>The existing bridge is narrow, deteriorated and distorted. The steel culvert has a sufficiency rating of 82.7.</p>
Description	The steel culvert will be replaced with precast concrete box culvert.
Estimated Cost	\$350,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No



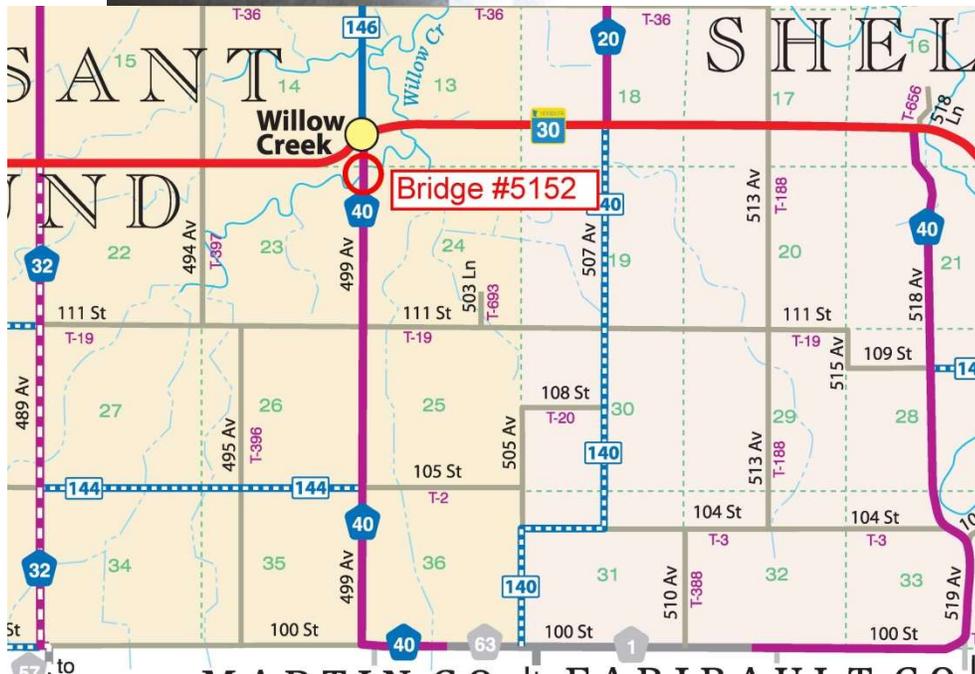
CSAH 28 - Bridge No. 7220 over the Le Sueur River

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is deteriorated and narrow. The underside of the concrete bridge deck has areas of exposed corroded rebar with the bridge deck, columns, and abutments spalling and having numerous cracks. The bearings are rusted and the steel girders also have moderate rust and damage to the bottom flanges. The bridge is load posted and has a sufficiency rating is 62.9. Consider moving bridge to earlier year if monitoring warrants.</p>
Description	The bridge will be replaced with a slab span or precast concrete beam bridge.
Estimated Cost	\$800,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No



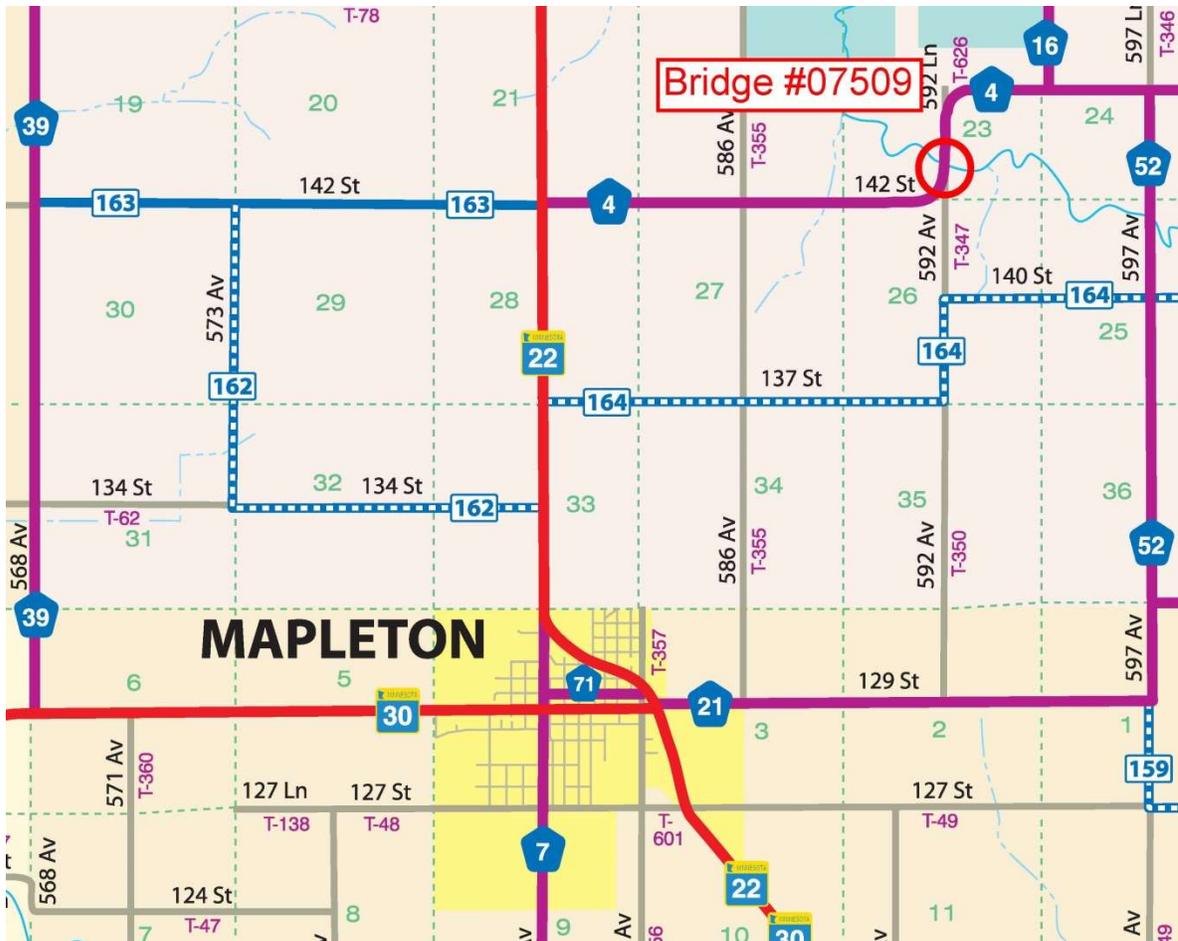
CSAH 40 - Bridge No. 5152 over Willow Creek

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is deteriorated. The concrete bridge deck has minor cracking and efflorescence. The bridge deck was widened using timbers which are now separating from the concrete deck and decaying. The bridge is load posted, and scour critical with a sufficiency rating of 62.2</p>
Description	The bridge will be replaced with a slab span or precast concrete beam bridge.
Estimated Cost	\$410,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No



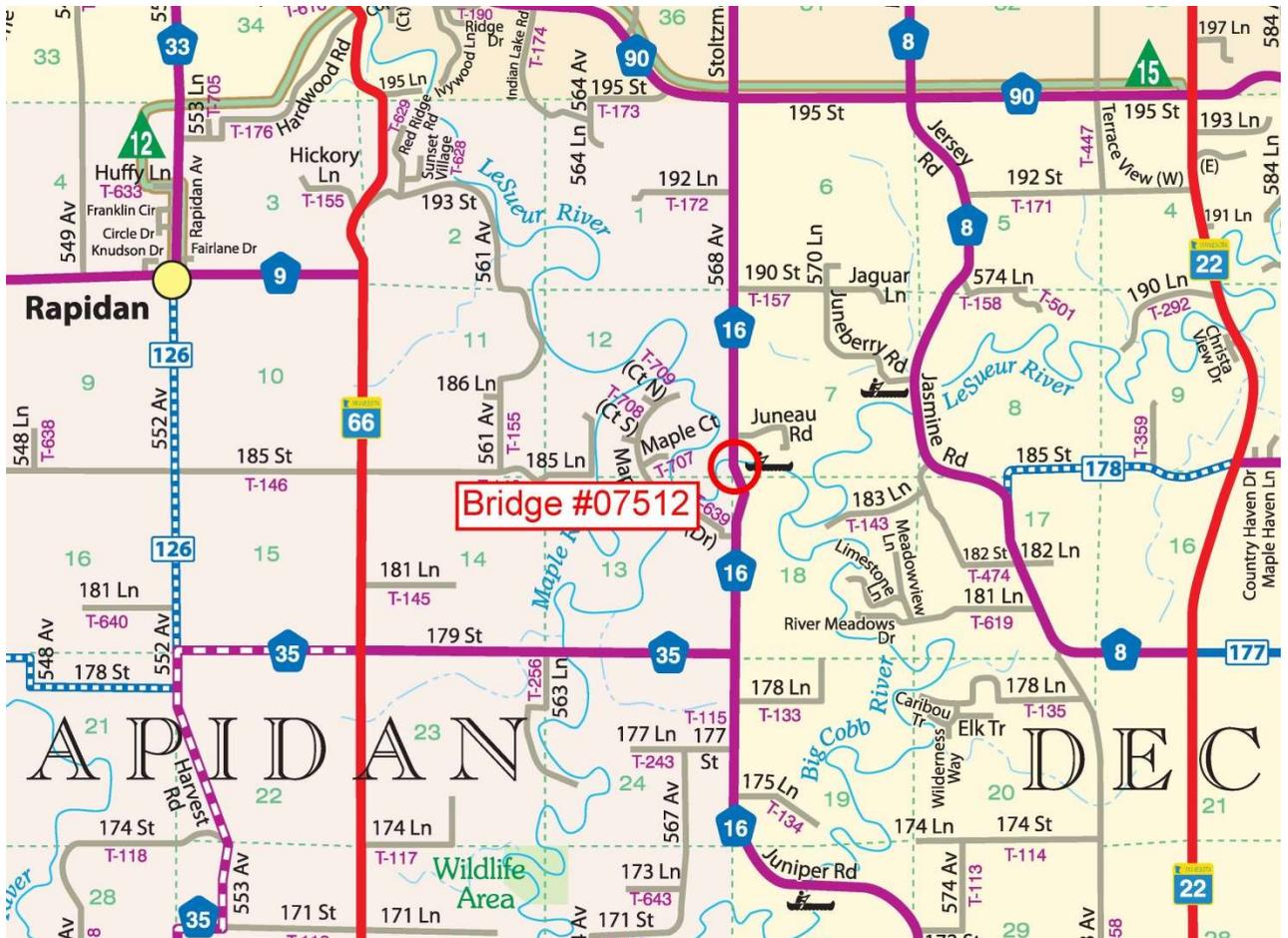
CSAH 4 - Bridge No. 07509 over the Big Cobb River

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is narrow and deteriorated. The bridge consists of concrete abutments, concrete pier caps with CIP piling and precast concrete deck channels. The precast concrete deck channels are cracked and spalled with exposed rebar. The bridge has a sufficiency rating of 81.0.</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$600,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No



CSAH 16 - Bridge No. 07512 over the Le Sueur River

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is narrow and deteriorated. The bridge consists of concrete abutments, piers and steel girders. The concrete deck has some cracks with areas of delamination and spalling. The steel girders have sections with minor section loss. The bridge has a sufficiency rating of 69.2.</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$1,800,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No



CSAH 29 - Bridge No. 7190 over the Maple River

Project Type	CSAH Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is narrow and deteriorated. The bridge consists of concrete abutments, concrete pier caps with prestressed concrete piling and precast concrete deck channels. The precast concrete deck channels are cracked and spalled with exposed rebars showing section loss due to corrosion. The bridge has a sufficiency rating of 63.8.</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$800,000
Potential Funding Sources	CSAH Regular, State Bridge Bonds
Transportation Sales Tax Project	No



Future

County Road 139 - Bridge No. 90571 over Perch Creek

Project Type	County Road Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is deteriorated. The bridge consists of timber abutments and piers, and precast concrete deck channels. The timber piling and pier caps are decaying. The precast concrete deck channels are showing signs of corrosion. The bridge has a sufficiency rating of 81.7.</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$380,000
Potential Funding Sources	State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No

Future

County Road 146 - Bridge No. 90523 over Perch Creek

Project Type	County Road Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is narrow and deteriorated. The bridge consists of cast in place concrete culverts. The concrete culverts are deteriorated, cracked and spalled. The bridge has a sufficiency rating of 72.0</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$260,000
Potential Funding Sources	State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No



BRIDGE NO. 90523 (45)
10-17-2013



County Road 156 - Bridge No. 90555 over the Maple River

Project Type	County Road Bridge
Purpose & Need	<ol style="list-style-type: none">1) Improve safety and access by providing a structurally adequate bridge.2) Improve safety by providing increased width to accommodate trucks and farm equipment. <p>The existing bridge is narrow and deteriorated. The bridge consists of timber abutments and precast concrete deck channels. The timber abutments are decaying and have moderate to extensive cracking and splitting. The precast concrete deck channels are cracked and spalled with exposed rebar. The bridge has a sufficiency rating of 43.5.</p>
Description	The bridge will be replaced with a precast concrete beam or slab span structure.
Estimated Cost	\$280,000
Potential Funding Sources	State Bridge Bonds, Road & Bridge
Transportation Sales Tax Project	No

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