

CARVER
COUNTY

HIGHWAY 41/10 PROJECT

Spring 2023 Update

Thank you for your interest in the Highway 41/10 Project. We appreciate you reviewing this packet to learn about this new project in your community. Carver County is making transportation improvements to Highway 10/Engler Boulevard from Bavaria Road to Park Ridge Drive in Chaska in 2024.

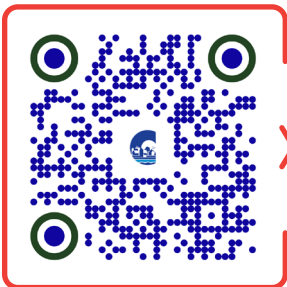
PACKET MATERIALS

This packet of information includes the following information:

- Project overview
- Highway 10 Corridor Study overview
- Proposed improvements
- Navigating roundabouts
- Comment form

Comments will be accepted through **April 7, 2023**.

LET'S TALK!



Scan me



lschwarz@co.carver.mn.us



(952) 466-5200

TELL US YOUR THOUGHTS

Please read the materials and send us the comment form to share your valuable input with us. You can

- **Mail** the comment form back to our team
- **Scan** and email it to us at: lschwarz@co.carver.mn.us
- **Call** the project team if you have any questions at (952) 466-5200

Sign up for email alerts to get the latest project information and notifications.

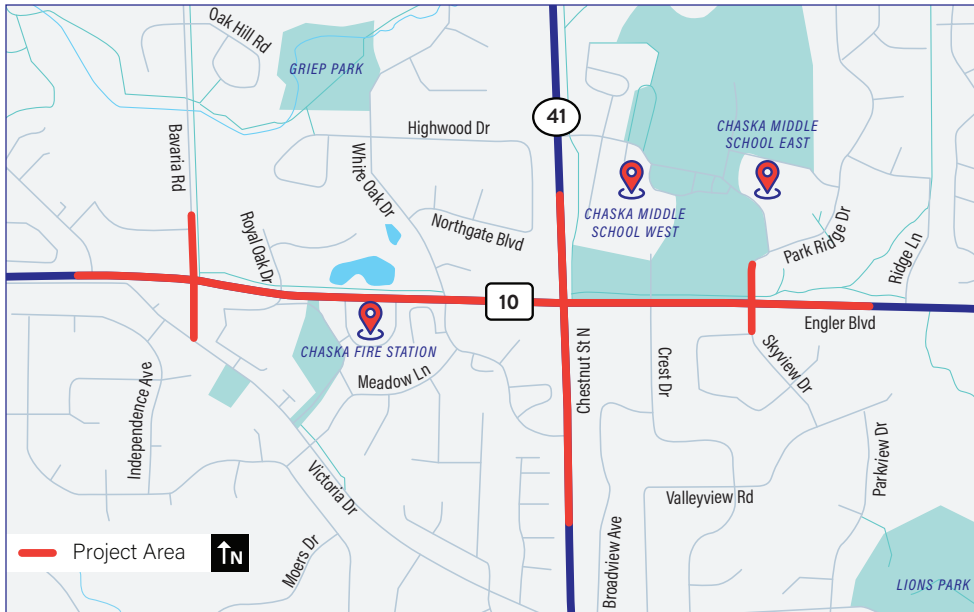
LET'S START BY LEARNING MORE ABOUT THIS PROJECT!



Carver County, in collaboration with MnDOT and the City of Chaska, is working to identify transportation system improvements on Highway 10/ Engler Boulevard from Bavaria Road to Park Ridge Drive in Chaska. Highway 10 provides connections to multiple Carver County communities and is used by residents, commuters, freight traffic, pedestrians, and bicyclists.

PROJECT GOALS

- ✔ Improve the safety, capacity, and travel time on Highway 10 and at the Highway 41/10 intersection for vehicles and non-motorized users.
- ✔ Construct a modern four-lane highway (two lanes in each direction) with a center median and trail connections along Highway 10.
- ✔ Promote school campus safety and accessibility.
- ✔ Minimize construction activities, land acquisition costs, impacts to properties, and impacts to existing utilities.
- ✔ Improve access for nearby properties and local street connections by making it safer and easier to get on, off, and across Highway 10.
- ✔ Minimize noise impacts.



PROJECT BENEFITS

- ✔ Safer road that separates oncoming traffic
- ✔ More travel lanes to handle traffic today and into the future
- ✔ Improved traffic flow
- ✔ More predictable travel time
- ✔ Better access to and from Highway 10
- ✔ More walking and bicycling options in the area

This project will identify transportation problems and develop, evaluate, and implement improvements along Highway 10 and at the Highway 41/10 intersection.

SCHEDULE

- SPRING 2023**
Concept Development

- SUMMER 2023 THROUGH SUMMER 2024**
Preliminary Design
Final Design
Right of Way Acquisition

- SPRING 2024**
Utility Relocation

- FALL 2024 THROUGH 2025**
Construction

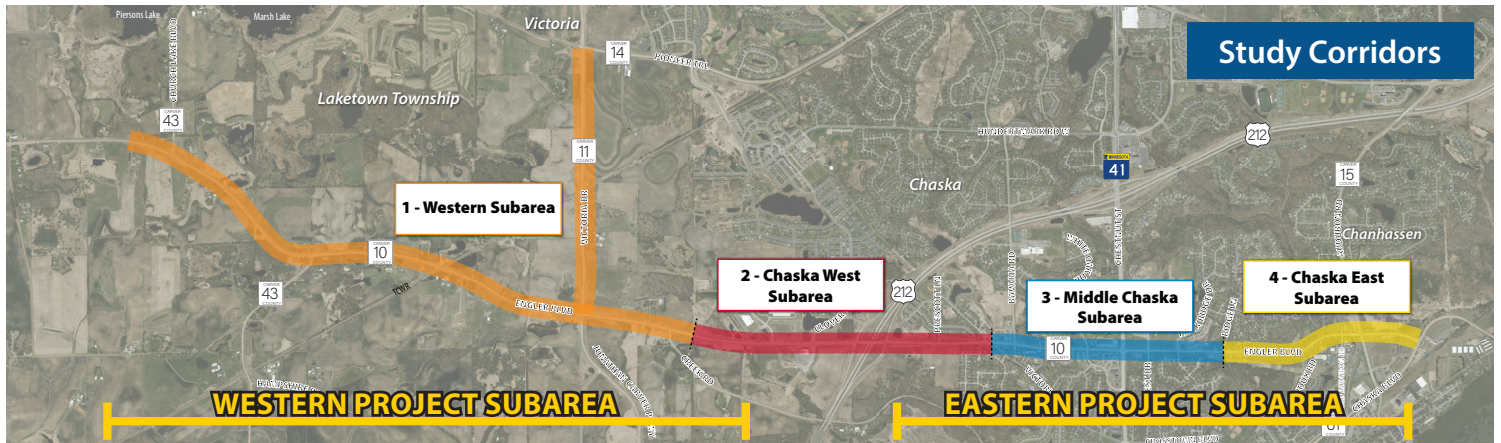
Keep reading to learn more about the Highway 10 Corridor Study. The study was completed in 2021 and provides additional background on why the county is considering improvements along Highway 10.

EXECUTIVE SUMMARY

Completed March 2021



HIGHWAY 10 CORRIDOR STUDY VICTORIA-CHASKA AREA



Carver County, in collaboration with MnDOT, the cities of Chaska, Victoria, and Waconia, and Laketown Township, is working to identify transportation system improvements on Highway 10 from Highway 43 in western Laketown Township to Highway 61 in the City of Chaska. Highway 10 is an important roadway in Carver County providing connections to multiple communities and accommodating vehicle, pedestrian, bicycle, transit, and freight traffic alike. A study of the Highway 11 corridor from Highway 10 to Marsh Lake Road was also performed to establish a vision and identify infrastructure needs to accompany future City of Victoria planning initiatives.

WHY IS THE PLAN NEEDED?

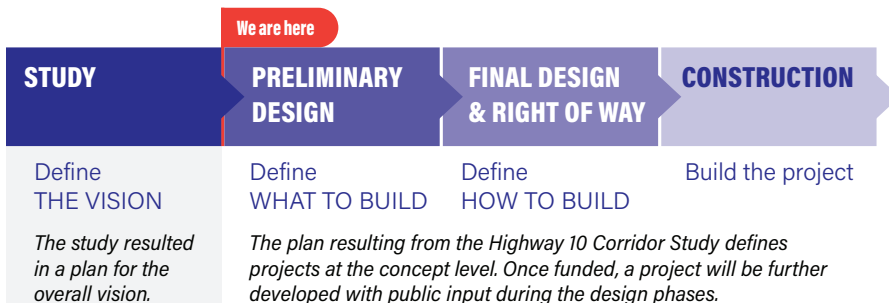
The Plan was developed to address these needs:

- Define transportation system issues and potential opportunities both today and into the future
- Develop and evaluate potential infrastructure improvements
- Establish infrastructure improvement recommendations
- Develop a long-term implementation plan that can be phased in over time

See more of the study process and recommendations at:

 www.co.carver.mn.us/departments/public-works/projects-studies/highway-10-study-victoria-chaska-area

LOOKING AHEAD



STUDY GOALS

The Highway 10 Corridor Study was guided by these goals, which are consistent with broader goals adopted by the project partners:



Vehicle Mobility

Provide efficient and reliable vehicle mobility.



User Safety

Safely accommodate all system users.



Respect the Environment

Provide infrastructure improvements that respect the environment.



Financial Responsibility

Develop a financially responsible implementation plan.

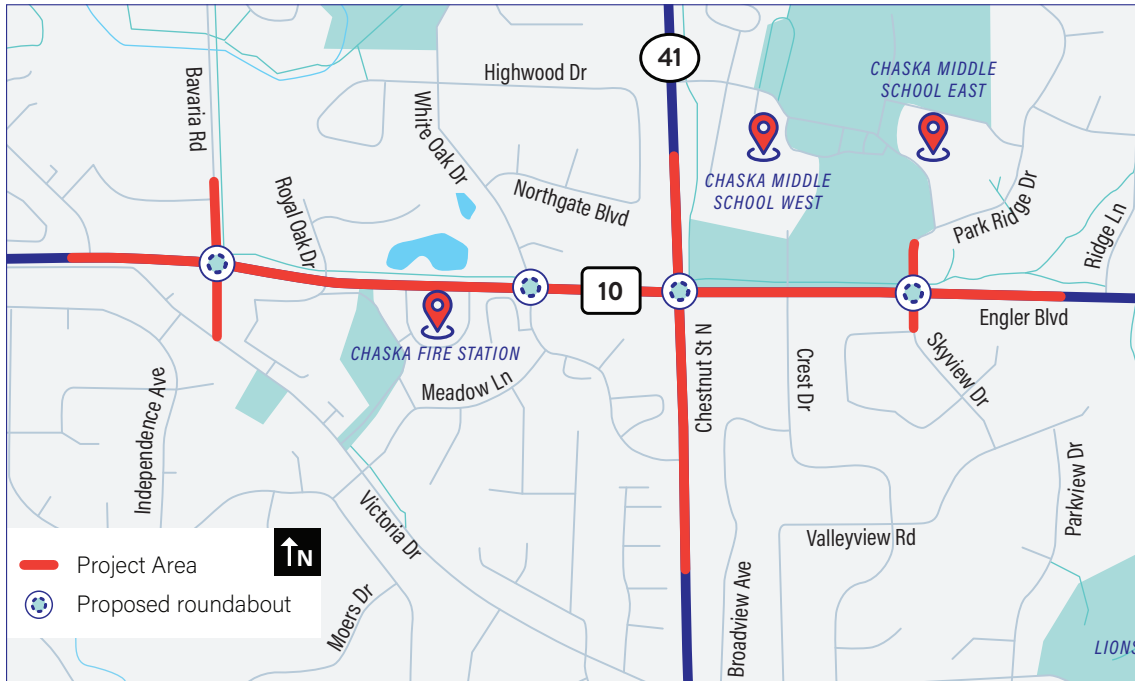


Support Land

Safety accommodates users to & through existing & future development.

Keep reading to see the proposed improvements along Highway 10 between Bavaria Road and Park Ridge Drive.

PROPOSED IMPROVEMENTS



Carver County is proposing to reconstruct Highway 10 (Engler Boulevard) into a four-lane highway (two lanes in each direction) with a center median from Bavaria Road to Park Ridge Drive. This concept would also add trail connections along Highway 10 within the project area.

PROPOSED HIGHWAY 41/10 (ENGLER BOULEVARD) INTERSECTION IMPROVEMENTS

SPIRAL ROUNDABOUT CONCEPT

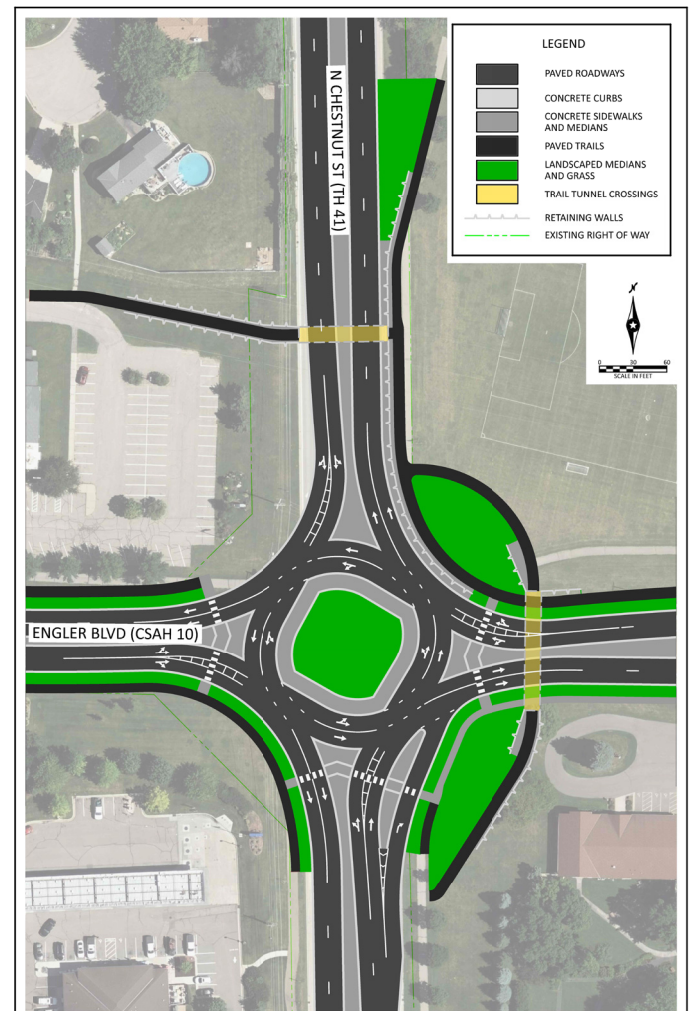
The project team used the findings from the Highway 10 Corridor Study as a baseline for assessing possible safety and travel improvements at the Highway 41/10 intersection. Following further technical evaluations, the project team is proposing to reconstruct this intersection into a roundabout. Here's how a roundabout would improve safety and operations at this intersection:

- Fewer lanes without affecting capacity
- Reduced severity of crashes
- Improved traffic flow
- Reduced wait times
- Reduced emergency vehicle response time
- Improved White Oak Drive access

This concept also has fewer overall property impacts and is cost-effective to build.

WALKING AND BICYCLING IMPROVEMENTS

This project would add pedestrian underpasses north and east of the intersection to provide safer crossing opportunities, in addition to the painted crosswalks and refuge islands (medians) on Highway 41 and Highway 10.



Keep reading to learn more about the different types of roundabouts and how to navigate them.

PROPOSED IMPROVEMENTS

CONTINUED



PROPOSED IMPROVEMENTS AT BAVARIA ROAD, WHITE OAK DRIVE, AND PARK RIDGE DRIVE

Similar to the multilane roundabout being proposed at Highway 41/10, the project team is also evaluating the construction of spiral roundabouts at the intersections of Bavaria Road and White Oak Drive. A traditional roundabout would be constructed at the intersection of Park Ridge Drive/Skyview Drive.

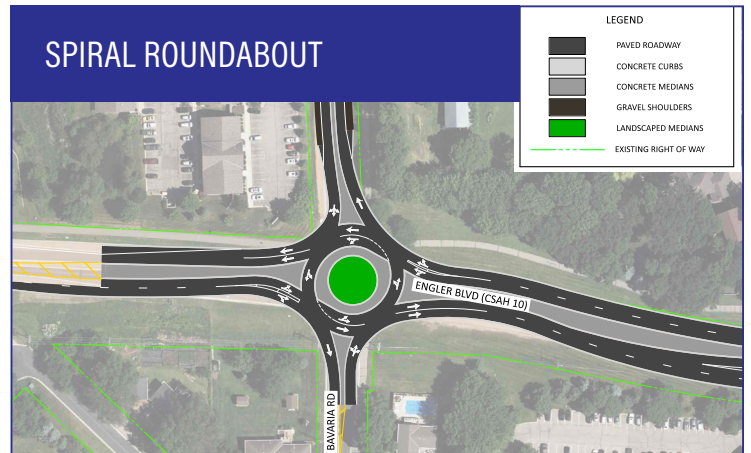
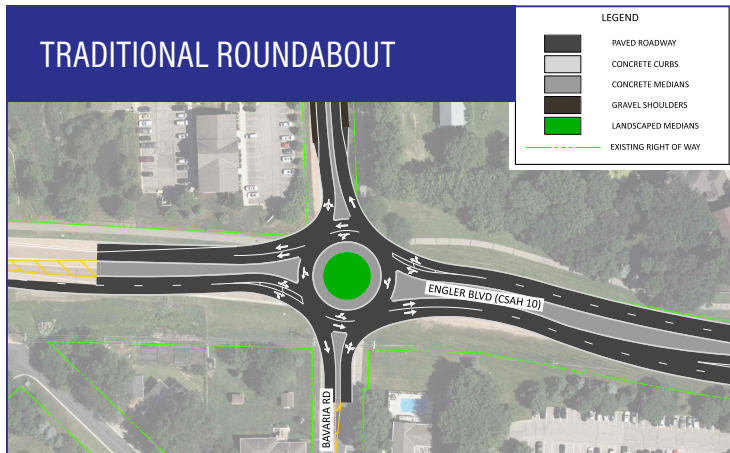
The project team is evaluating the spiral design at intersections that have less available public right of way and where construction is more likely to impact adjacent properties. This design also works well at intersections that have a lower volume of traffic coming from side streets.

A traditionally designed roundabout is a highly effective solution, especially along a stretch of road that has multiple roundabouts in a row. Here's how the stylistic differences of a spiral design would make the roundabout safer and easier to navigate:

- Better traffic flow
- Reduced vehicle speed
- Fewer conflict points
- Designated travel lanes
- Limited weaving movements
- Prevents lane changes within roundabout

✓ Constructing a spiral roundabout at Bavaria Road and White Oak Drive would require fewer nearby property impacts.

COMPARING ROUNDABOUT DESIGNS AT HIGHWAY 10 (ENGLER BOULEVARD)/BAVARIA ROAD



NAVIGATING ROUNDABOUTS

How does a roundabout work



DRIVERS

- Slow down when approaching a roundabout
- Yield to vehicles already in the roundabout and merge into traffic when it is safe
- Continue through the roundabout until you reach your exit. Do not stop or pass other vehicles in the roundabout
- Yield to pedestrians in the crosswalk



LARGE TRUCKS/ EQUIPMENT/BUSES

- Lanes are wide enough to accommodate buses and large vehicles
- The truck apron aids trucks as they move through the roundabout



PEDESTRIANS AND BICYCLISTS

- Only cross one direction of traffic at a time, and stop in each splitter island
- Only look one way at a time

GENERAL COMMENT FORM

Thank you for providing feedback on the Highway 41/10 Project. Please use this form to complete the questionnaire or to submit a general comment or question to the project team. **Scan and email your completed form to lschwarz@co.carver.mn.us.** You can also mail it to Carver County Public Works, Attn: Luke Schwarz, 11360 US 212, Cologne, MN 55322.



TELL US ABOUT YOURSELF



Name: _____
Organization (if any): _____
Address: _____
City: _____ State: _____ Zip: _____
Phone number: _____ Email: _____

Do you support the design concept of consecutive roundabouts at the Highway 41/10 (Engler Boulevard) and Engler Boulevard/White Oak Drive intersections?

- Yes, I support this concept. I somewhat support this concept. I am neutral about this concept.
 No, I do not support this concept.. I don't know.

If you do not support or only somewhat support the proposed roundabouts, please explain why:

General comments:

Would you like a response back to your comments?

- Yes No

Would you like to join the email list?

- Yes No

If you answer yes to one or both questions, please fill out your email, phone and/or mailing address in **TELL US ABOUT YOURSELF** (above).

