The old Lincoln Highway has potential to be a nice recreational trail in Calamus.



Main Street is a popular destination with a variety of businesses. There is good visibility at the intersection of 2nd and Main Streets.



Grove Street has smooth surfaces and is an actively used loop for pedestrians.





The sidewalks along 2nd Street are narrow, broken, and inconsistent causing residents to walk in the street.



The railroad crossing at 1st Street is difficult to cross safely because of the rough surface, steep incline, lack of visibility, and train stoppages.



The corner of Main and 5th Street is sharp, making it difficult to see oncoming traffic while biking.

## What Factors Affect Transportation in Calamus?



Transportation is integral to small-town life and a vibrant economy. In the context of the Calamus Visioning Program, we recognize walking, biking, and driving as quintessential modes of travel to various destinations important to residents and visitors. Access to these destinations is crucial for many everyday activities—getting to work and school, participating in Calamus events, and providing for basic needs such as food, health care, and healthy activity.

In this participatory assessment, we want to find out which factors and conditions affect transportation use in Calamus, where these factors and conditions are most prevalent, and how they influence route and transportation choices locally. Because residents have the best knowledge of how Calamus's transportation system works, we use focused, small-group conversations, mapping, and photos of the best and worst to understand local transportation.

## Different Users = Different Needs

To capture insights about transportation from a variety of perspectives, we invited Calamus residents with different transportation needs to participate in focus groups. A total of 34 residents attended Calamus's workshop. Participants were separated into five user groups and the Calamus steering committee.



**(8 participants):** This user group represents those in the Calamus who engage in outdoor recreation, including cycling, walking, running, swimming, skiing, etc. The availability of multiple venues for outdoor recreation matters to this group.



(3 participants): This user group is directly affected by accessibility barriers such as high curbing and uneven sidewalks that make it difficult to operate mobility-aiding equipment effectively. Handicapped parking, curb ramps, and smooth surfaces are critical transportation features.



(5 participants): Accessibility—both in terms of physical access and proximity—is a major concern for this user group. Because some people in this user group do not or are unable to drive, having goods and services within walking distance is important.



**(5 participants):** This group uses primarily non-motorized modes of transportation, so pedestrian- and bike-friendly streets and sidewalks are important. These users value the ability to get to destinations on foot or via bicycle and having goods and services within walking distance.



(8 participants): Safety of their children is a primary concern of this user group. Access to safe and easy routes to school activities is another significant factor to this group. Parents of young children desire smooth, wide surfaces for strollers.



(5 participants): The common denominator for this user group is that their observations are influenced by special knowledge of the transportation system acquired during the Calamus Visioning assessment process. As a result, this group is more representative of decision makers.

## **Transportation Assets and Barriers Analysis**

Julia Badenhope, Sandra Oberbroeckling, Chad Hunter

Iowa State University | Trees Forever | Iowa Department of Transportation

