Gravel route provides a more efficient route out of town from the north causing high traffic levels 2014 Iowa DOT daily Water Tower average: 5400 vehicles **Future Development** Drainage area Future 8.6 acre Snow drifting issues retention project Snow drifting issues **Future connection** Arborvitae causing Problematic visual barrier at Future two-tier riparian flash flooding intersection buffer with trail on top tier **Busy intersection** Visual barrier at intersection Welcome Sign 2014 Iowa DOT daily Cattails growing in wet 2014 Iowa DOT daily average: 2520 vehicles average: 4680 vehicles area along the road **Problematic flooding** Intersection reconstruction planned for 2017- includes 3 lanes with center left-turn lane Abandoned rail bed: low service travelway into town -City of Kalona Vacant lot owned by telephone company Future trail **City Limits** Water Issue Wetland sensitive plants Recreational/Open Space south near English River 2014 Iowa DOT daily Point of Interest average: 3020 vehicles Barriers

Transportation Map - Map Source: Iowa Department of Natural Resources, "Natural Resources Geographic Information Systems Library," accessed April 2016.

Transportation Mapping

Knowledge of the transportation systems in and around a community is critical for sustainable transportation enhancement planning. Transportation systems include paved and unpaved roadways, pedestrian and bike trails, waterways, railroad lines or railbeds from abandoned railroad lines and airports. During the transportation meeting, we learned that there is an insufficient amount of pedestrian trails/designated routes throughout Kalona. Lack of pedestrian connections creates a disconnect between different areas in and around Kalona; some key areas include: the downtown business district, the elementary and middle schools, the Historical Village and the Kalona City Park. Highways 1 and 22 also factor into the need for pedestrian connections. Both roads experience high levels of traffic that create barriers throughout the community. Kalona also experiences various issues with water around town; some issues include: flash flooding, ponding/standing water in low areas with poor-draining soils and streambank erosion on both creeks that run north-south through city limits.

The city of Kalona benefits from several local attractions, including its strong Mennonite and Amish population, Historical Village, countryside businesses, and Quilt and Textile Museum. However, many of these amenities need better access to other parts of the community. The design team used this information to explore opportunities for improving safety and cohesiveness throughout Kalona.



Building Impedes Visibility at Highway 22 and 4th Street



Amish Buggy Traveling Down Highway 22



Streambank Near 11th Street and J Avenue



SE Corner of Highways 1 and 22

Kalona

Transportation Inventory and Analysis

Landscape Architect: Dylan Jones, PLA, LEED GA - Bolton & Menk

LA Intern: Hannah Schmitz - Bolton & Menk

Iowa Department of Transportation Trees Forever

ISU Landscape Architecture Extension

ISU Extension Community and Economic Development

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