



Map Source: Iowa Department of Natural Resources, "Natural Resources Geographic Information Systems Library," accessed April 2017

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/bike trails and designated cycling routes throughout Humboldt.

Humboldt benefits from several local attractions, including its presence of trumpeter swans, Liberty Fountain, scenic walking trails, and multiple city parks. However, many of these amenities need fewer barriers to connect to other parts of the community. The existing Cottonwood Trail, Three Rivers Trail, and Gotch Park Trail are currently lacking connectivity to each other, existing pedestrian infrastructure and nearby attractions and amenities. Some of them hit dead ends and stop short of attractive destinations, such as nearby parks. Downtown Humboldt (Sumner Ave) and the Humboldt High School also experience separation from the overall existing pedestrian network, causing a need for more pedestrian connections and wayfinding signage along both trails and roadways. Highway 3 and Highway 169 factor into the need for pedestrian connections and contain some intersections of concern, as well. Both roads experience high levels of traffic traveling at high speeds, which creates barriers throughout the community.

Humboldt also experiences some flooding along the rivers and drainage-ways through town; some areas require sandbagging during high water events to prevent damage to nearby properties.

The design team used this information to explore opportunities for improving connectivity, safety and cohesiveness throughout Humboldt.



Existing sidewalk conditions on Sumner Avenue



Cyclist using city streets



Children entering Cottonwood Trail from 1st Avenue North



Traffic on Highway 169

Humboldt Transportation Inventory

Design Team

LA: Dylan Jones, PLA, LEED GA
Intern: Hannah Schmitz

Iowa State University | Trees Forever | Iowa Department of Transportation

