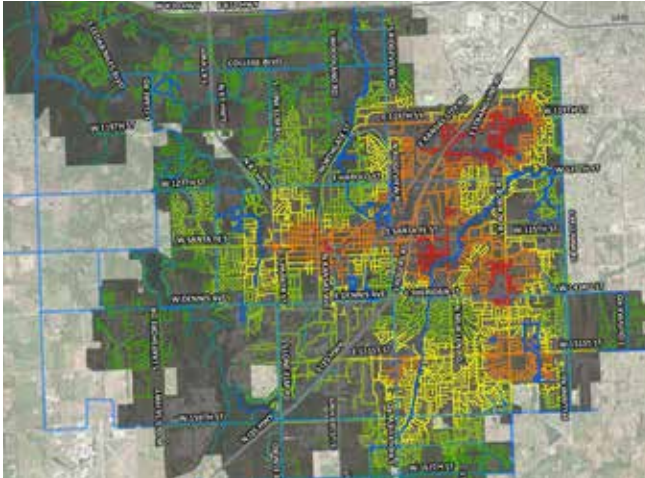


# Network Planning



## Demand Analysis

Our team has developed a sophisticated demand model that incorporates a variety of demographic, socioeconomic, and land use inputs to identify high potential biking areas.



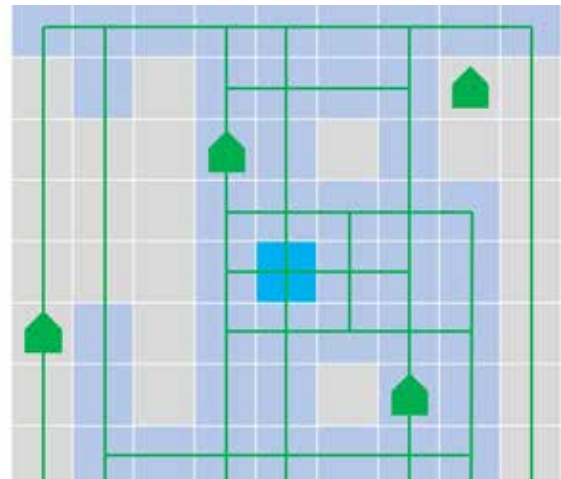
## Level of Traffic Stress

Low traffic stress areas are appealing to a broad range of potential cyclists. Establishing low stress connections can be the foundational component of a bike network plan for North Kansas City.



## Cluster Analysis

A cluster analysis can identify separate pockets of low traffic stress streets within North Kansas City and highlight the most efficient opportunities to connect them.



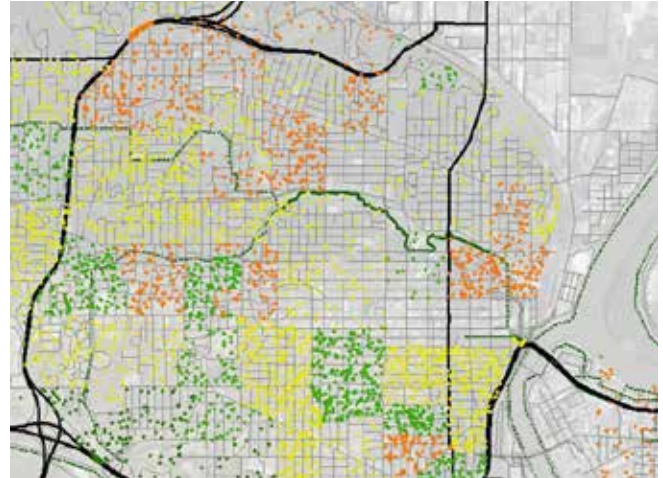
## Bike Penalty

A bike penalty analysis can evaluate the difference in convenience between an automobile trip and a bicycle trip. This difference is a "bike penalty" and can be measured for each area of the community.



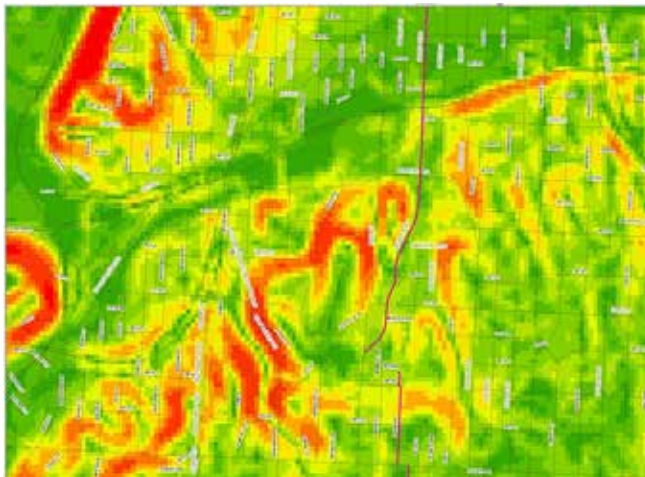
## Safety and Collisions

Our team will evaluate available crash and injury data throughout North Kansas City to identify patterns or hotspots of concern.



## Equity Assessment

Our team has developed a transportation equity index for the entire Kansas City region that can help us identify areas of need for alternative transportation in North Kansas City.



## Feasibility for Comfort

Our team will evaluate the North Kansas City bike network to ensure that recommended connections have the physical capacity to meet the cycling needs of all ages and abilities.



## Public Input

Public input through a variety of innovative methods will directly inform the network planning process.