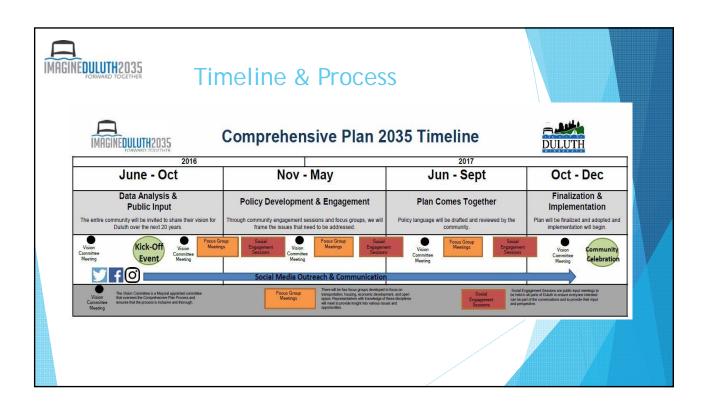




Agenda

- Welcome & Introductions
- Brief Overview Timeline & Process
- *Activity*
- Transportation Research
- Discussion
- Wrap-up & Next Steps







Research Questions

- Does the City's road and bicycle infrastructure meet user needs? Describe. How does Duluth compare to other communities of a similar size?
- Do existing transportation modes equally serve all residential neighborhoods? Does infrastructure availability follow population density?
- What percentage of the population is within a quarter mile of the transit system and do the most frequent run times or routes match this population?
- Is there sufficient area for growth of water borne industry and transportation logistics within current footprint of harbor/port area?
- Do we have trail connections for pedestrian and bike access to job centers, neighborhoods, and recreation areas?
- Where are there gaps or deficiencies in the pedestrian and bicycle networks?
- lack transportation opportunities and practices should we consider given our steep hills and varied topography?
- Do we fully utilize the capacity of the air and rail modes of transportation that serve the community?
- Does our existing transportation network adequately connect to neighboring communities and our region?
- leading to the How can we create a transportation network that maximizes financial investment and minimizes future maintenance costs?
- Do our current land use patterns support multimodal transportation?
- How will development of passenger rail impact the need for improved pedestrian systems?
- ▶ How can we reduce parking and traffic thru-put in Canal Park to best allow for new tourism development?
- What level of frequency should a model transit system consider for growing ridership?
- Are the streets within the City at or near traffic capacity? Where might LOS (Levels of Service) be compromised with additional density in development?

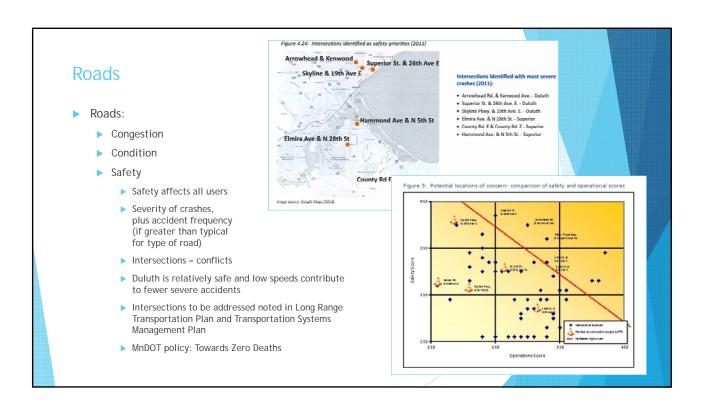
Roads

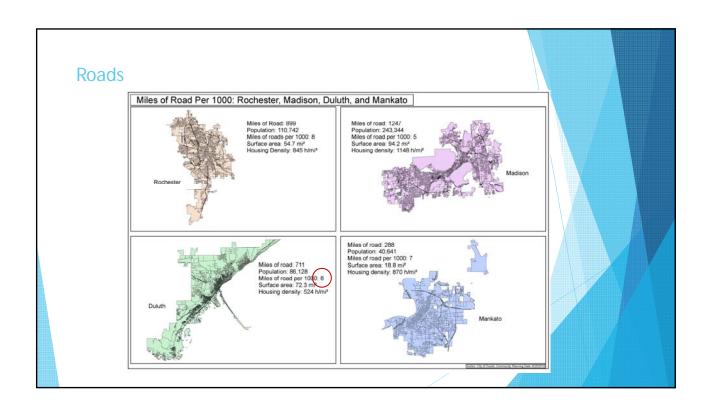
Roads:

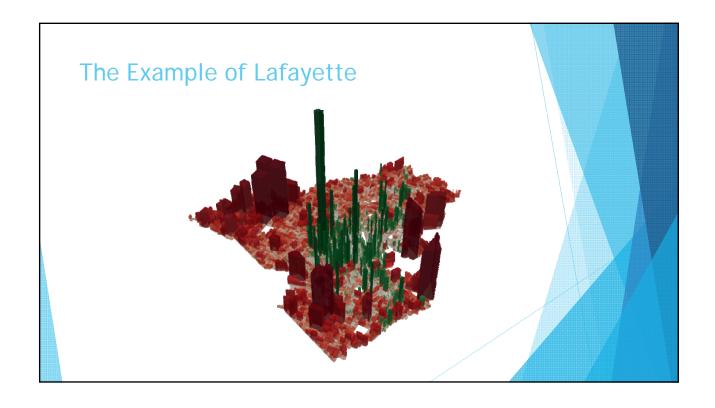
- Congestion
 - Selected pinch-points with 2040 projection
 - Remainder of roads: free flowing or limited congestion
 - Congestion limits autos and buses, but not bicycles or pedestrians
 - Policy suggestion:
 May want to consider ways to ease congestion or increase alternative transportation



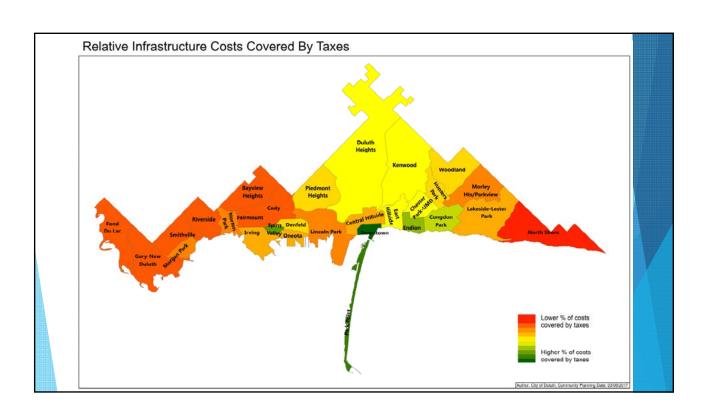
Roads: Description Condition Road condition affects all users Routine maintenance at a certain point can extend life span – not always best to fix the worst first Policy suggestion: How do we prioritize roads to address? Infrastructure funding is key

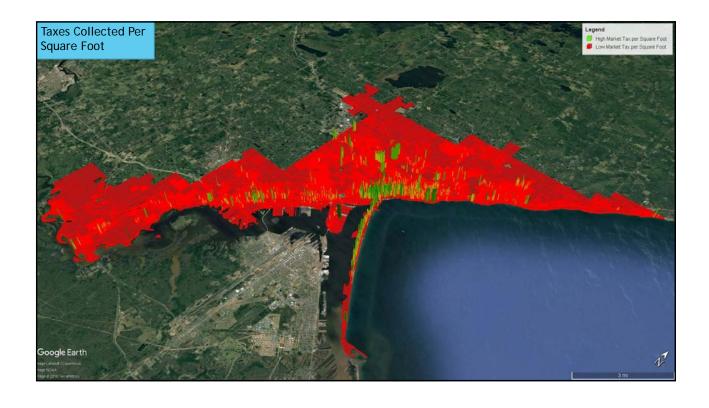




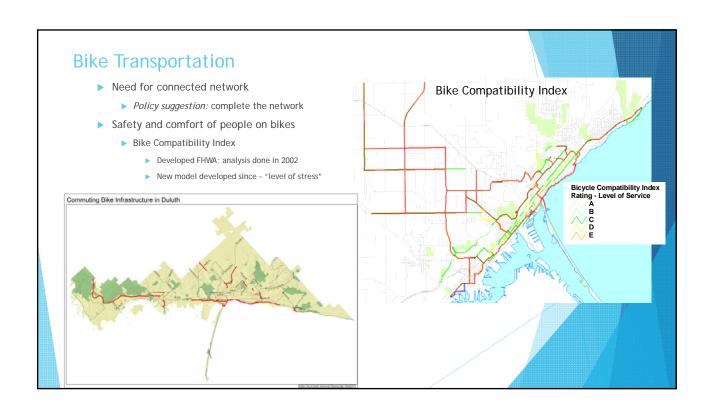


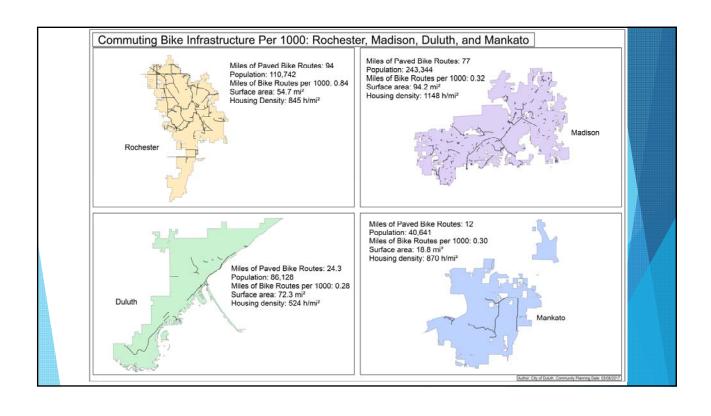


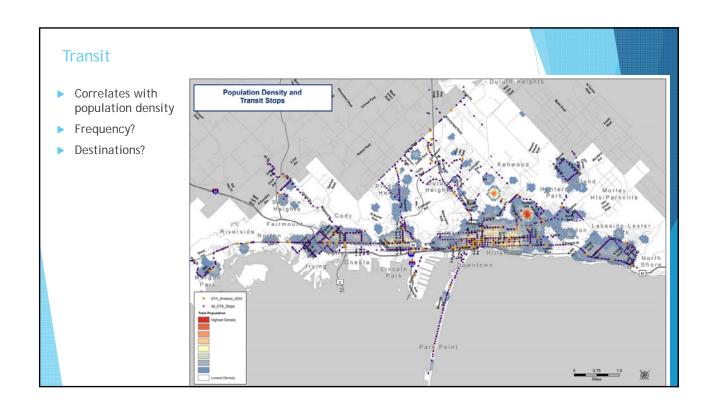


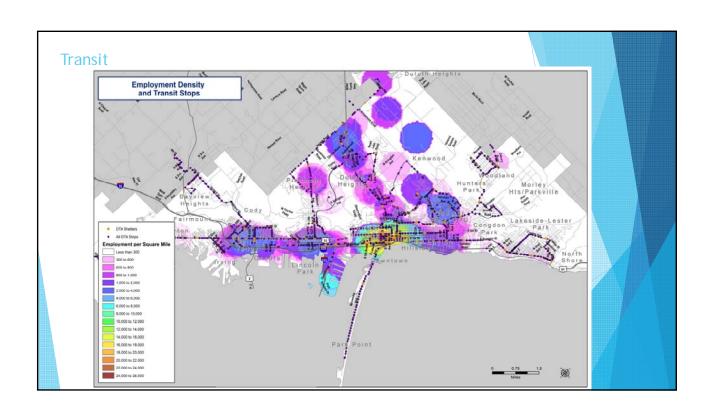


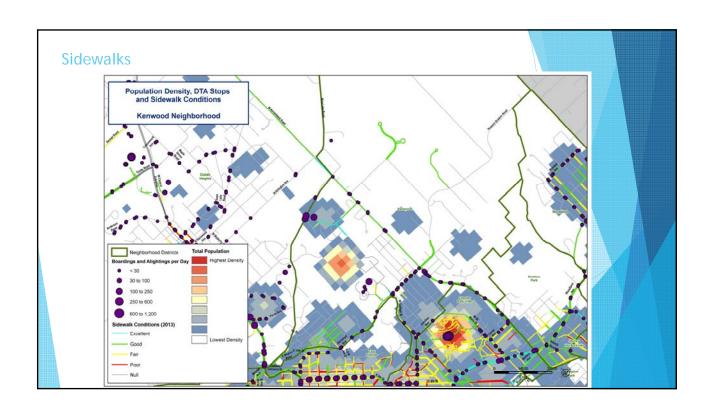














Duluth-Superior Port Area

- ▶ The Port of Duluth-Superior consists of 19 square miles of land and water with 17 miles of dredged shipping channels.
- A priority of the Duluth-Superior Port Plan is to ensure the protection of industrial land from encroaching non-compatible uses.
- Duluth Port Authority Logistics
 - > Beyond port area Waseca industrial area, US Steel site
 - Distribution of products
 - Road and rail connectivity to local processing
 - > Increase in truck traffic
 - Access to highway
 - Container cargo multimodal transport
 - Value added services 4 railroads, Truck accessible





Twin Ports Interchange

- ▶ Local connection from the Garfield Avenue/Railroad Street intersection to the end of Courtland Street.
- Connection will allow Over Sized and Over Weight loads to have direct access between the Clure and I-35 south of the interchange,
- ▶ Eliminating the need for OSOW loads to travel through the Lincoln Park Business District on Superior Street.
- Provide better freight access for the businesses located along the harbor north of Garfield Avenue.
- Connection provides a secondary access route for freight deliveries to the Western Lake Superior Sanitary District (WLSSD) sewage treatment plant and will allow reconstruction of the 27th Avenue West interchange.
- It will also serve as a multi-use corridor for bicycle and pedestrian access to one of the only undeveloped segments along the harbor near the confluence of the St. Louis River and Miller Creek.



Truck Route/Freight Study

- ▶ Federal Fast Lane grant for Interchange
- ► Minnesota DOT Freight Plan
- Duluth Seaway Port goods movement
- ▶ MIC updating Truck Route network



Northern Lights Express

- Offer fast service between Minneapolis and Duluth
- Provide a safe and reliable travel alternative to serve business and tourism.
- Previous cost estimates approached \$ 1 billion dollars
- ▶ Estimated total cost to implement NLX is between \$500 to \$600 million.
- Next Steps
 - Project and operating cost estimates will be updated
 - Completion of preliminary engineering
 - > Tier II Environmental Assessment
 - > Financial Plan and Implementation Plan
 - NLX Service could begin as early as 2020
- Wayfinding
- ► Local transportation connections (bus, uber)



Discussion Questions

- Prioritizing road improvements
 - Roads that are also transit lines?
 - Roads that carry a higher volume of traffic?
 - ▶ Address roads that need maintenance now to extend lifespan?
- What policies would reduce overall/long-term transportation and infrastructure costs?
 - Narrower roads? Different road standards?
 - Promote transit, bicycling, walking
 - Change land use patterns
- What transportation improvements will best serve the city of Duluth?
- What policies should we consider when thinking about transportation related to the governing principles?
- What strategies would increase revenue?
 - ▶ Incremental investments to increase property values in certain neighborhoods