Using Data to Map Need

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MEIRO

Regional Collaboration • Transportation Planning • Multimodal Mobility

2045 Active Transportation Plan



- Take stock of existing network
- Identify needs
- Name strategies



METROPOLITA PLANNING

Six Focus Area Criteria

- Job + Resident Density
- Intersection Density
- School Proximity
- Transit Proximity
- Crashes
- Environmental Justice





PLANNING

Example: School Proximity





Example: School Proximity

Pedestrian School Proximity



This hexagon has more schools within 0.5 miles than 76.5% of all hexagons. School Proximity Score = 0.765

Bicycle School Proximity



9 schools in 2 miles

This hexagon has more schools within 2 miles than 75.7% of all hexagons. School Proximity Score = 0.757



PLANNING

Creating an Index

Job + Resident Density
 Intersection Density
 School Proximity
 Transit Proximity
 Crashes
 Environmental Justice

Hexagon Focus Area Score



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ORGANIZATION

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Outcome: Pedestrian Focus Areas



Top 10% of Focus Area Scores Top 25% Top 50%



METROPOLITA PLANNING

Outcome: Bicycle Focus Areas



Top 10% of Focus Area Scores Top 25% Top 50%



PLANNING

Focus Area Use





METROPOLITAN PLANNING ORGANIZATION

But what did we learn?

"ALTHOUGH THIS FOCUS AREA ANALYSIS IS A GREAT START, WE KNOW THERE ARE DEEPER, MORE NUANCED WAYS TO LOOK AT THE DATA. THE ANALYSIS OF OUR REGION'S PEDESTRIAN AND BICYCLE NETWORK SHOULD BE AN ONGOING EXERCISE."



METROPOLITAN PLANNING ORGANIZATION 1. Can we develop a better geographic split?

- 2. Can we include criteria for infrastructure using new data?
- 3. Can we add more nuance to the transit criteria?
- 4. Can we adjust the weight of criteria to prioritize equity?
- 5. Can we add nuance to the crash criteria?

6. How does the analysis consider desirability vs. need?

