

How People Move

Pedestrian-shed / Bike-shed Analysis for Active Transportation



John Tangenberg
Council for Watershed Health
Los Angeles

Park

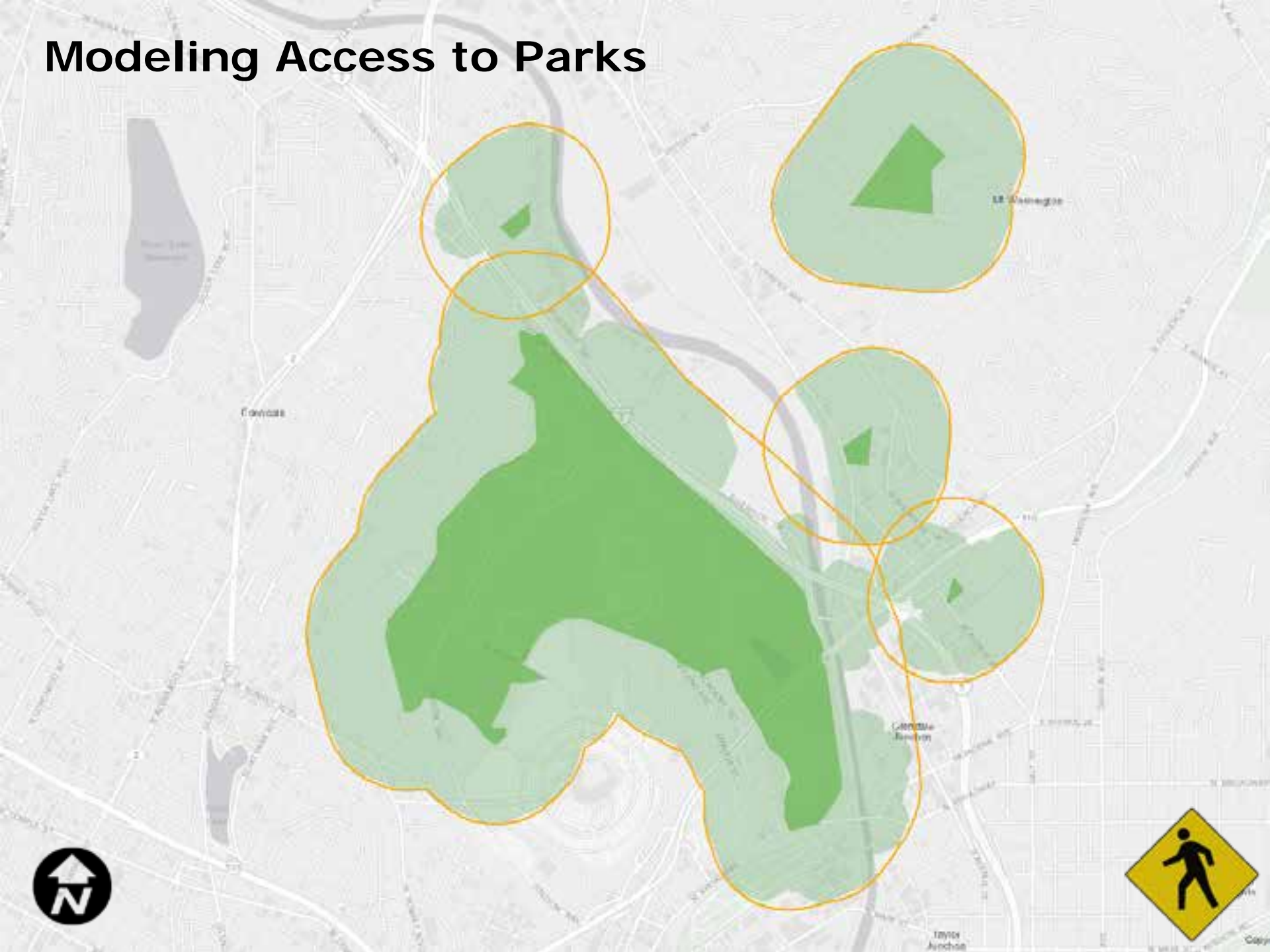
Freeway

People

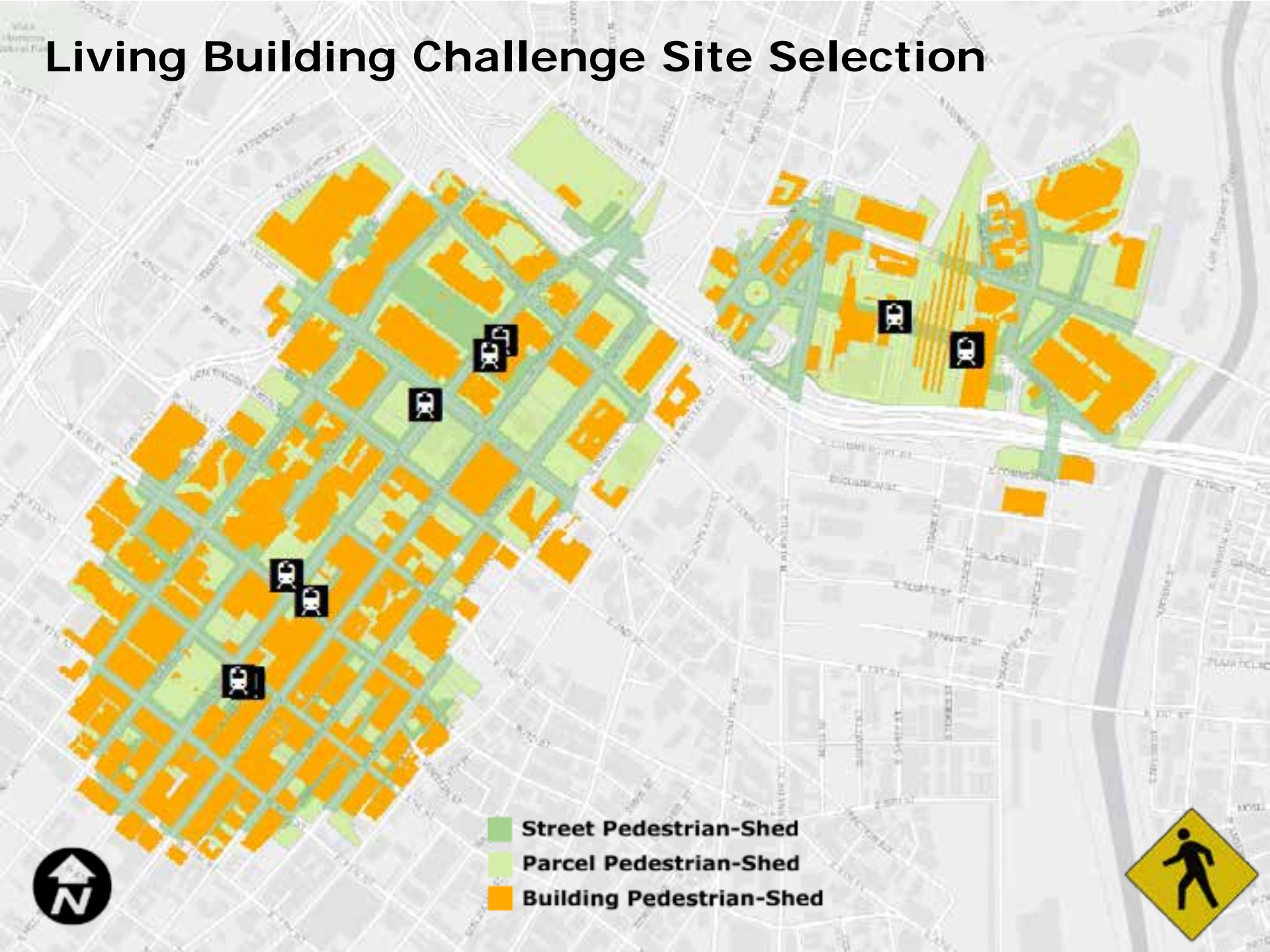
Flood Control and Rail






Modeling Access to Parks



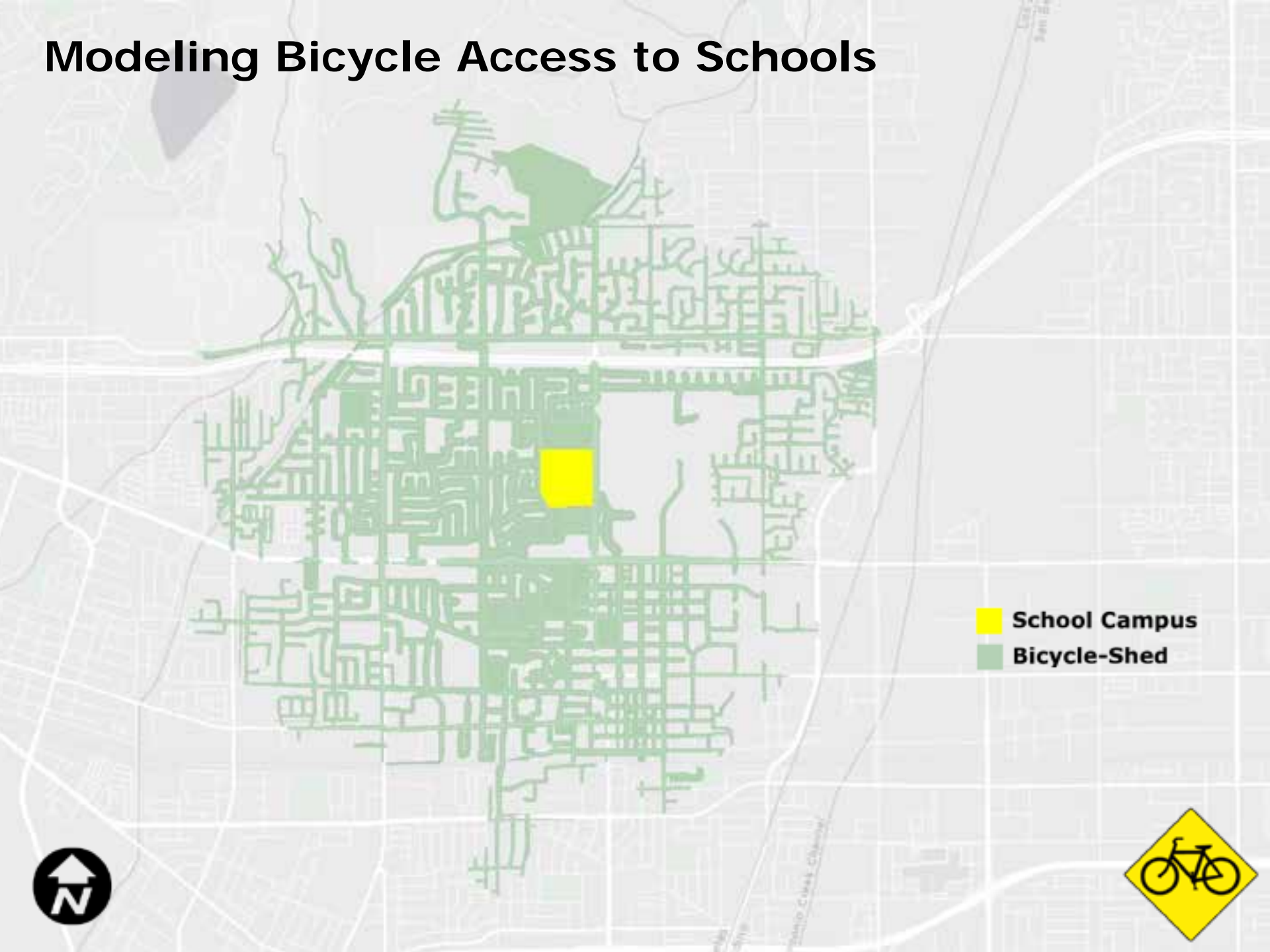
Living Building Challenge Site Selection





-  Street Pedestrian-Shed
-  Parcel Pedestrian-Shed
-  Building Pedestrian-Shed



Modeling Bicycle Access to Schools



-  **School Campus**
-  **Bicycle-Shed**



Model Human Behavior

- Pedestrians and hikers “ take the shortest visual route to their destination” *(Trail Solutions 2004, IMBA)*
- Cyclists will have different distances and speeds that are perceived as reasonable depending on their skill level and the aesthetics of the ride.
- Networks don't capture this. Networks are native to computer science and logistics. They are a social construction on the landscape.



Thank You

Contact Info:

John Tangenberg

john@watershedhealth.org

jtangenberg@gmail.com

Data

Streets, Parks, Buildings, Parcels

LA County Data Portal

<http://egis3.lacounty.gov/dataportal/>

Base Maps: ESRI

Bike Data

BikeAtlas@gmail.com, Metro,

Los Angeles County Bicycle Coalition

Valuations Project Funded by;
California State Department of Water Resources Prop 50

