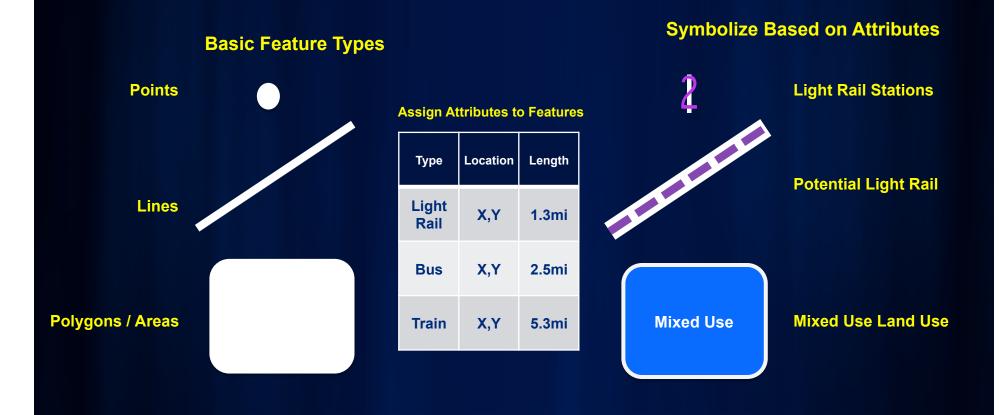
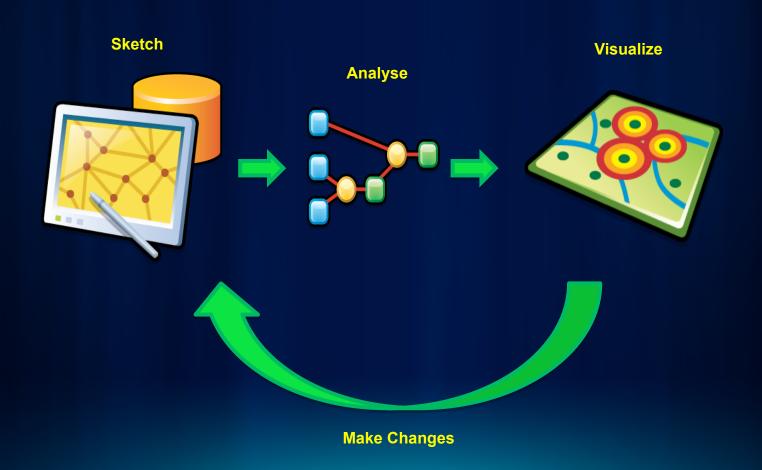
Geodesign for Smart Growth Enabling Technology Matthew Baker

Geographic Information Systems



Analysing your Design

Geoprocessing on-the-fly



Visualizing Walkability

Analyzing design on-the-fly



Potential Stations



Existing Road Network



Analyse Design



Walkability

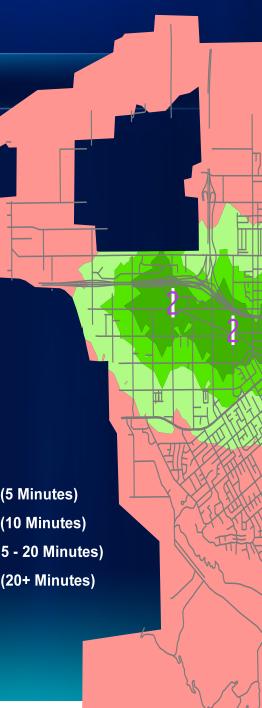


1/4 Mile (5 Minutes)

1/2 Mile (10 Minutes)

1 Mile (15 - 20 Minutes)

> 1 Mile (20+ Minutes)



What's in 1 Acre?



- **75%** Impervious Surface
- **75%** Effective Rainfall Area
 - **35** Density Units
 - 40 Jobs
 - 18 Parking Spaces
- 15% Population in Elementary School
- **7650** VMT / Person (vehicle miles travelled)
 - **248** VHT / Person (vehicle hours travelled)
 - 8.1 tonnes C02 / Person

Cartography and Design

Cartographic Representations

