CALOTS Upgrade for Performance Monitoring

A project of the Southern California Association of Governments supported by the UCLA Lewis Center for Regional Policy Studies

Agenda

1. Revisit Project Overview & Timeline
2. A Closer Look at Your Suggestions
    a. Content
    b. Features
3. Early Decisions
4. Discussion
5. Next Steps

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Project Overview

- Goal 1: Transform existing public analytical tool for planning in the Sustainable Communities Planning era

- Goal 2: Create a common regional performance monitoring tool for use in neighborhood & community-level time series analyses

- Goal 3: Make the tool useful for a range of stakeholders:
  - Transportation & land use planners working in cities, subregions, & at the regional level
  - Community groups interested in Sustainable Communities Strategy implementation
  - Real estate developers seeking infill opportunities in walkable transit priority areas with high locational efficiency
  - Elected officials seeking high level information about changes in employment

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Code Name: 'REVISION'

- **R**egional **E**ngaging, **V**isioning, & **I**mplementing **S**ustainability through **I**nfill **O**pportunities **N**etwork
- You can help us find a better name

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Project Timeline

Task	Time Frame
Project Start	November 1, 2013
Work Group – Provide final input on dataset & functionality priorities	April, 2014
UCLA work on the website	April, 2014 – November, 2014
Work Group – Provide input on beta site	November, 2014 – February, 2015
Work Group – Provide input on final site	April, 2015
Work Group – Provide input on training materials & training plan to ensure outreach includes full range of stakeholders who may use the site	June, 2015
UCLA & SCAG to conduct training & outreach	July, 2015 – October, 2015

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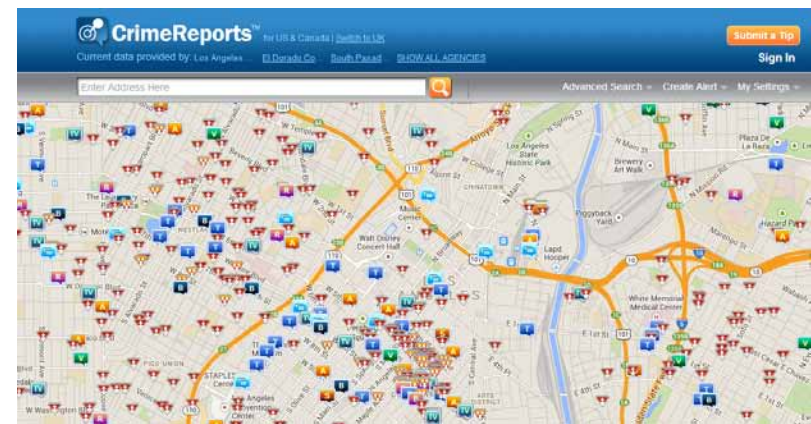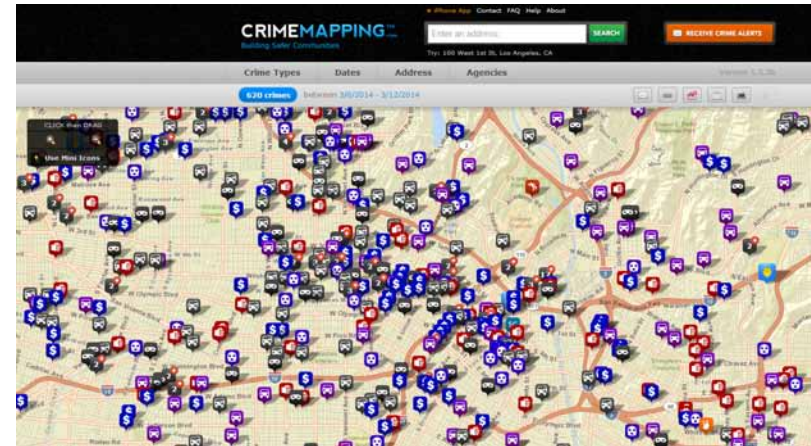Communities • Transportation • Environment

CONTENT

Your Suggested Content

1. Crime Data
2. Bicycle & Pedestrian Collision Data
3. CalEnviroScreen
4. Food Access
5. Parks and Recreation
6. Housing Market Data
7. Land Use
8. Electric Vehicle

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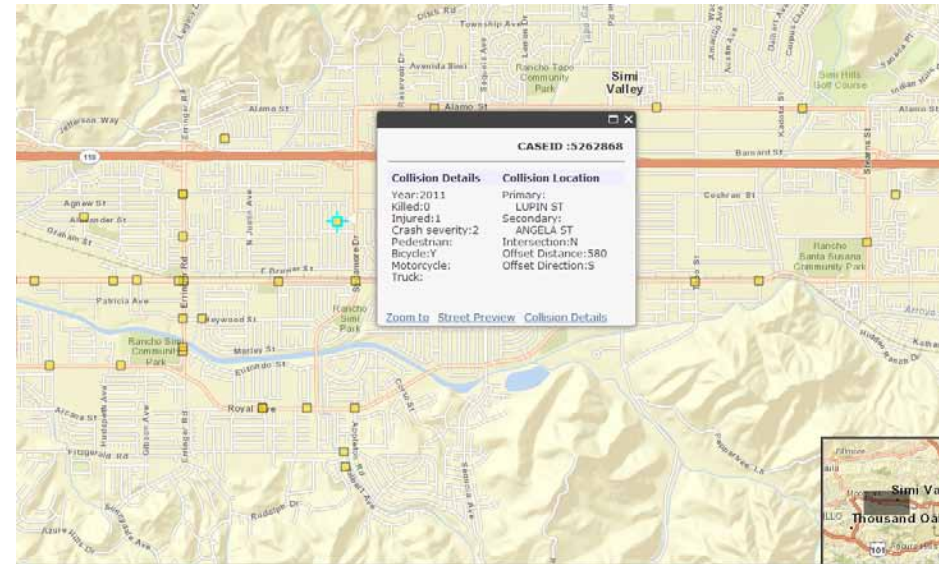Lewis Center
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Crime Data

- No obvious solution for REVISION
- Websites aggregate data from policy agencies but do not provide a way to obtain data
- Example sites: Crimemapping, Crimereports, Spotcrime
- Can download data from a few individual agencies but not feasible
- DOJ and FBI have aggregate numbers, but at a very high level (state, MSA, national)
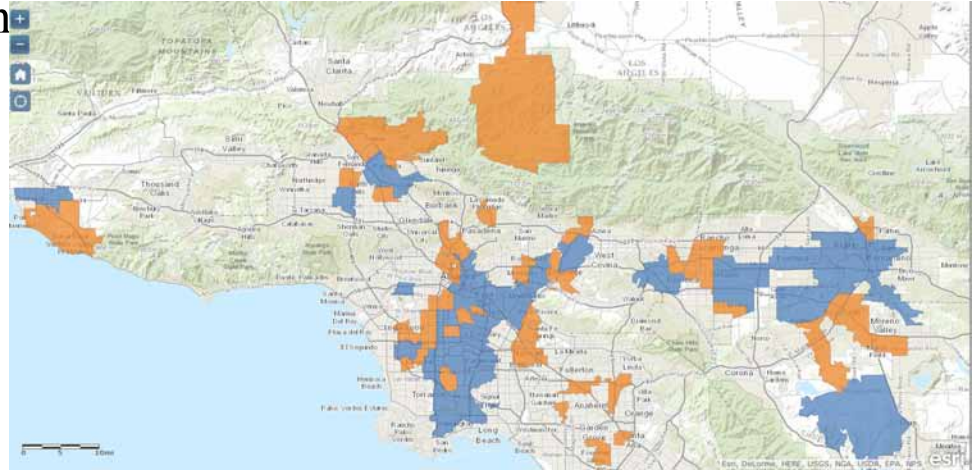- Will continue to monitor

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Bike and Ped Collision Data

- Statewide Integrated Traffic Records System (SWITRS)
- GIS files from Transportation Injury Mapping System (TIMS) at UC Berkeley
- We'll do a simple data overlay (e.g. map layer), given the limits on understanding risk due to lack of walking and biking activity data
- We can identify areas with high walkability and high crashes

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CalEnviroScreen

- Data overlay enables juxtaposition of measures of access and vulnerable populations
- Useful for funding purposes
- Possible research into areas that rank highly in CalEnviroScreen AND rank highly in measures of density, car-free households, TPAs, etc
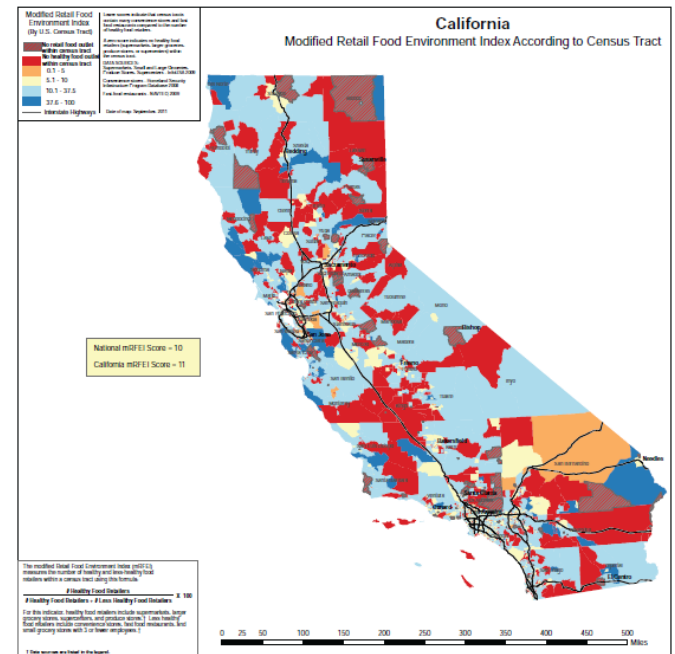- CalEnviroScreen continues to be updated; we will monitor this

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Access to Food

- Modified Food Environment Index

$$mFEI = 100 \times \frac{\text{\# Healthy Food Retailers}}{\text{\# Healthy Food Retailers} + \text{\# Less Healthy Food Retailers}}$$

- Does not include access to farmers markets
- Data at census tract level available for 2011
- Plan to create an updated index and compare to previous data

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Parks and Recreation

- Data from California Protected Areas Data (CPAD) Portal
- Regularly updated, downloadable, has API for easy integration
- Initial assessment is that it is accurate
- Plan to include in accessibility index

Housing Market Data

- UCLA acquired DataQuick Real Estate Data
  - We continue to examine potential use of this data
- API Options Include Zillow & Trulia

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Land Use Map

Path #1: Build a bottom-up Land Use Map from 6-County
Assessor Parcel Data
  Issue: Inconsistencies between county-level data

Path #2: Incorporate regular updates to Land Use Map from
SCAG
  Issue: No plan for regular, publicly-accessible updates

Decision: We will not regularly update Land Use Map

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Electric Vehicle Data

Recargo Plugshare is main aggregator of EVSE data from various owners

Challenge: Data is not open or free, accessing via API requires annual licensing
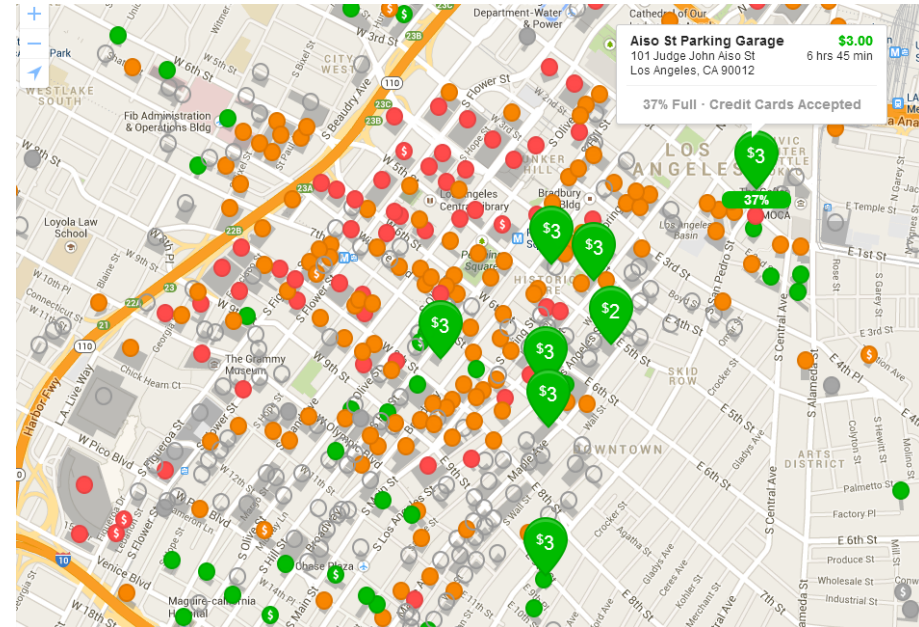

Decision: We will <u>not</u> include EV infrastructure data

FEATURES

Parking Inventory

- Plan is to provide a framework for user-generated information
- Need for common standard for parcel-level parking data
- Data can be seeded by some off-street parking data in DT
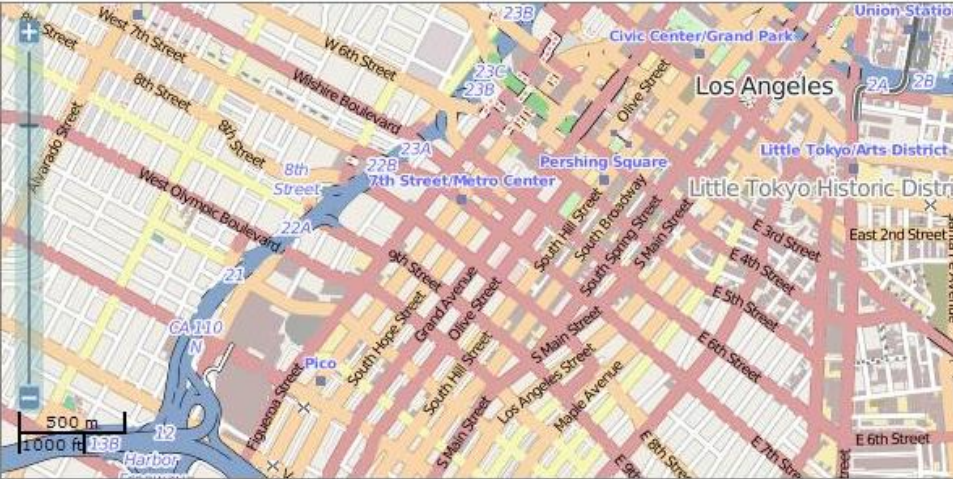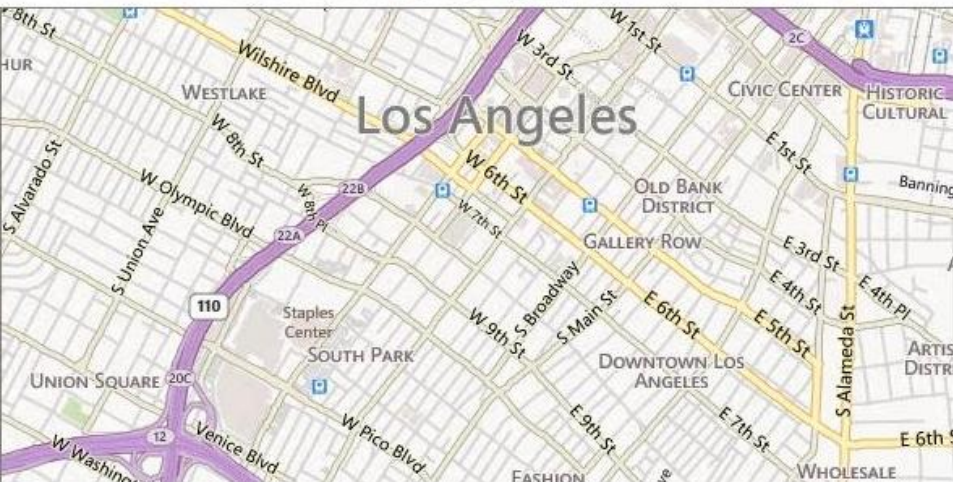- Potential in gathering various parking studies

BaseMap Options

BaseMap: Open-Street Map

Pros

- User editable, thriving editor community
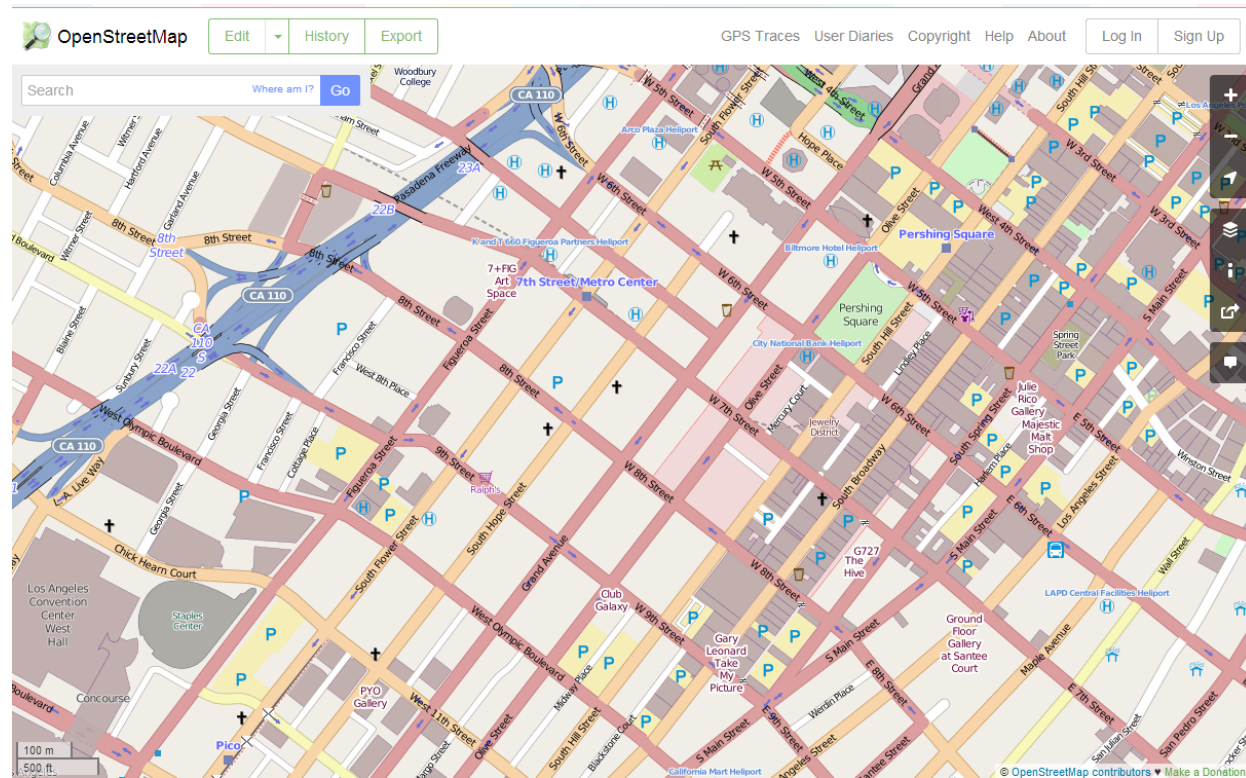- Completely open data
- Downloadable in many open formats (and will be used as basis for pre-web analysis)
- Selected building footprints

Cons

- Users less familiar with interface
- No built-in aerial imagery
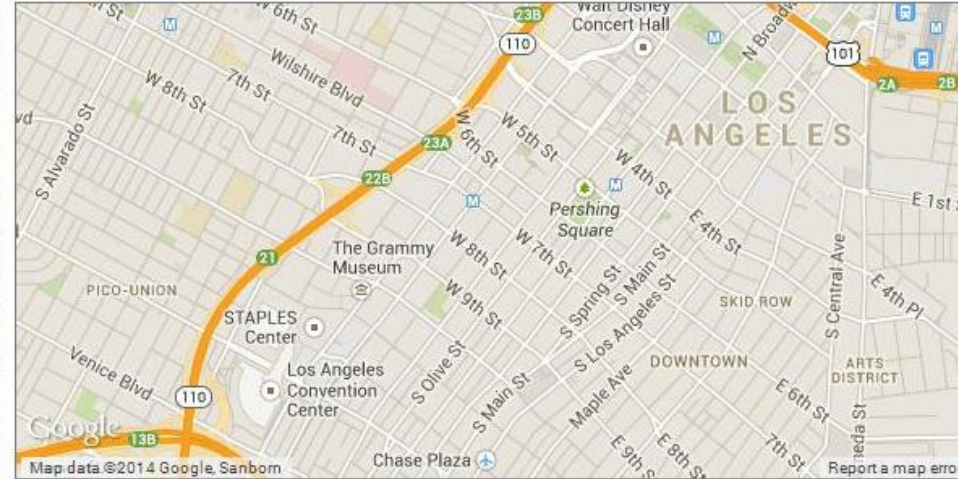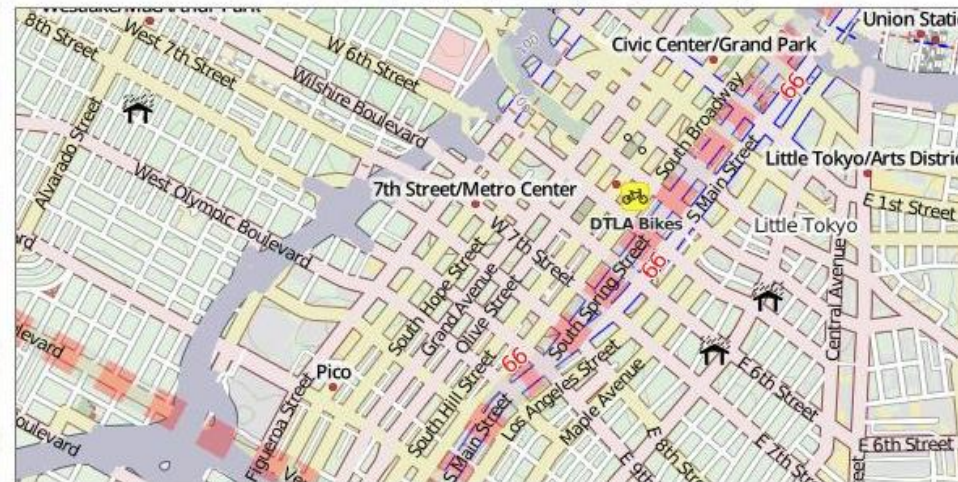
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BaseMap: Google Maps

Pros
● Familiar interface
● Aerial imagery, including oblique photography
● Street view
● User editable

Cons
● Closed data (not downloadable)
● No built-in aerial imagery
● Not as thriving editor community

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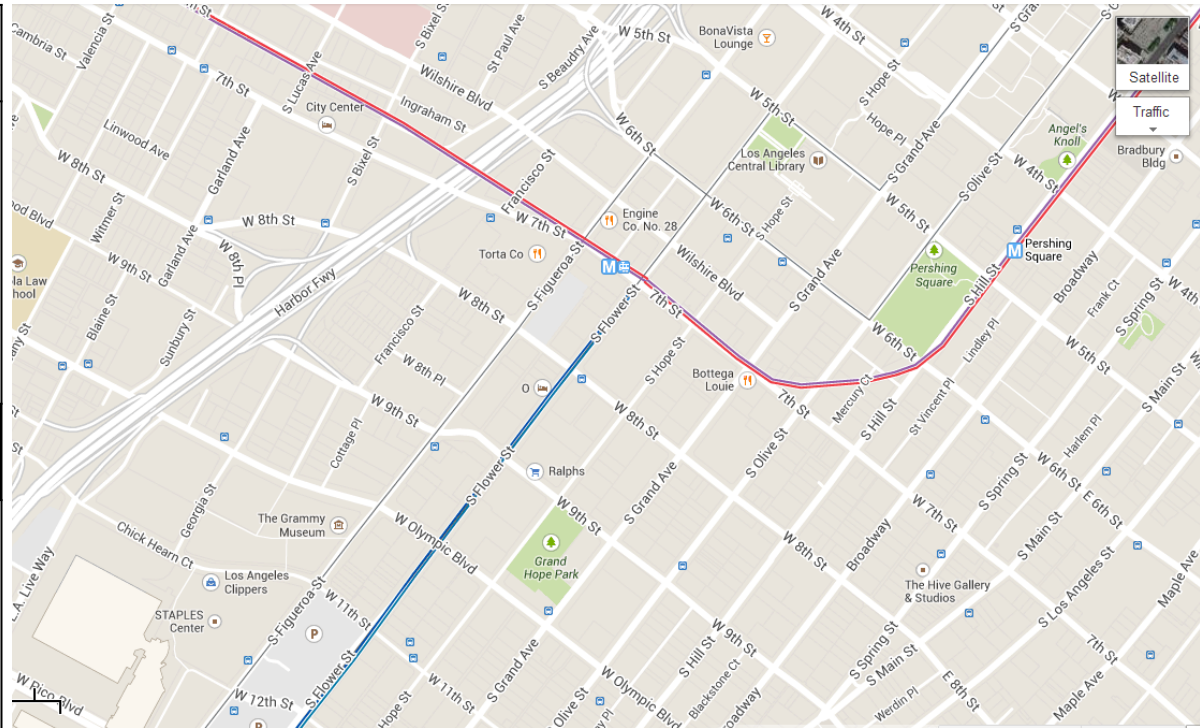
Primary Use Cases

1. Assess differences between high quality transit areas
2. Understand neighborhood change over time
3. Identify infill development opportunities (Current CALOTS use case) serves housing element planners and developers

Desired Features

Input: Customize various combinations of data to evaluate neighborhood profiles

Decision: We will focus on a limited set of web-based features **PLUS** the ability to download any data from the site for individual analysis and processing

Discussion

Next Steps

- By end of April:

  UCLA research staff will create:
  - Final Content & Features Plan
  - Final Technical Plan

- We'll reconvene in 4-6 weeks to report back

Contact Information

Project website: lewis.ucla.edu/project/performance-monitoring-tools-to-assess-sustainable-communities-strategies/ OR http://ucla.in/1nq6M08

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