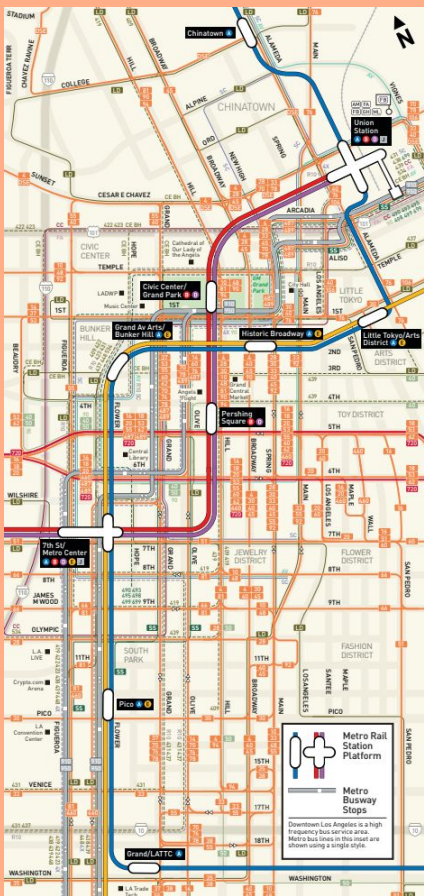

Preparing LA for a Transit-First Games with Open Data





Overview

1. Introduction
 2. What data already exists?
 3. How could that data be better?
 4. What data is missing?
 5. How can we fill in the missing data?
 6. What can you do about it?
-



Introduction

LA Metro has a big job ahead of us to support a transit-first Games.

- No on-site parking at venues
- More than 10 separate venue clusters across LA County
- A lot of unknowns about how venues will be set up

Developing open data sources to support the effort would be a great legacy improvement.



What data already exists? /1

LA Metro has access to some data, both open and closed, including:

General Transit Feed Specification (GTFS)

- Transit service routes & schedules
- Live transit vehicle tracking
- Detours

Infrastructure

- OpenStreetMap
 - LA County CAMS Geocoder
-

What data already exists? /2

Parking

- Parkopedia - closed public data source on parking capacity
- Miscellaneous documentation of capacity at various sites

...And the Rest

- Live traffic data - closed sources; some public, some subscription
 - End-user transit navigation
 - Metro's internal demand models
-





How could that data be better?

GTFS:

- Better updates for smaller operators, including realtime data
- Improved Metro Rail predictions

Parking:

- Open data source(s) on parking capacity

Infrastructure:

- Continue to build out OpenStreetMap data, including addresses, street network, etc.
-

What data is missing?

Accommodations - How many people do we expect to be staying where?

Ticket Sale Patterns - What events/venues will a single person likely travel to?

Accessible paths for navigation - public right of way, private venues, and transit stations

Public parking capacity data sources

GTFS-static and GTFS-realtime for small transit services



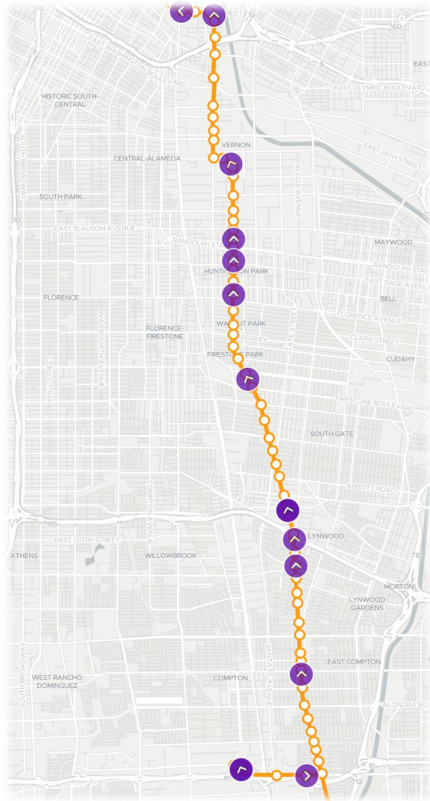


How can we fill in the missing data?

GTFS-Pathways: Create feed for each Metro station and major transfer point

OpenStreetMap: Improve existing data, but also opportunities to add datasets like parking and accommodations capacities

Cal-ITP: Reports on transit data quality; technical assistance for smaller transit providers



What can you do about it?

Identify out-of-date or missing data – when using transit, walking, biking

Volunteer to help update smaller operators' GTFS on GitHub

Fill in data gaps on OpenStreetMap

- Add missing data about your neighborhood(s)
 - Build out structures for:
 - Parking capacity in lots and garages
 - Hotel capacity (number of rooms or beds)
 - Or things we haven't thought of!
-



Resources

[GTFS.org](https://gtfs.org) - details on the General Transit Feed Specification

developer.metro.net - Metro's GTFS feeds and shapefiles

StreetComplete - App for entering data into OpenStreetMap (there are probably others)

reports.calitp.org - Helps identify smaller operators who may benefit from assistance

Maptime LA - OpenStreetMap Training (Meetup, Github)

OpenSidewalks project - tcat.cs.washington.edu/opensidewalks/
