What is SharedStreets?

SharedStreets is a nonprofit organization. We build open source software and digital infrastructure to support new ways of managing and sharing data that keep cities moving.
City-owned and operated workflow

Explore questions we have about new mobility in ways that are open and transparent

Work with data while limiting privacy risks

Values driven technology
Our pilot projects

Construction & Closures

TNC Pick-up & Drop-off

Curb inventory

Mobility Metrics
What is SharedStreets?

The SharedStreets referencing system is a shared language for the street. It lets maps talk to each other.
How do we get maps to speak the same language?
Bike routes + Scooter trip volumes = Messy + hard to use data
How do we get maps to speak the same language?

TODAY

abcdabcdabcdabcdabcdabcdabcdabcdabcdabcd
123412341234123412341234123412341234123412341234

TOMORROW

9d669cc6c4f669c4f

9d669cc6c4f669c4f
How does it work?

Map A

Main Street
Main Street

Also Main Street?

Map B
Map A
ID: 9d669cc6c4f...
Avg speed: 35mph

Map B
ID: 9d669cc6c4f...
Avg speed: ???
Map A
ID: 9d669cc6c4f...
Avg speed: 35mph

Map B
ID: 9d669cc6c4f...
Avg speed: 35 mph
Map A
ID: 9d669cc6c4f...
Avg speed: 35mph
Closure: ???

Map B
ID: 9d669cc6c4f...
Avg speed: 35 mph
Closure: Mon 800-1600
Map A
ID: 9d669cc6c4f...
Avg speed: 35 mph
Closure: Mon 800-1600

Map B
ID: 9d669cc6c4f...
Avg speed: 35 mph
Closure: Mon 800-1600
Map A
ID: 9d669cc6c4f...
Avg speed: 35mph
Closure: Mon 800-1600

Map B
ID: 9d669cc6c4f...
Avg speed: 35 mph
Closure: Mon 800-1600
Building Collaborative & Scalable Pilots
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Mobility Metrics
Mobility Metrics

From raw MDS data:  

To street-based metrics:

To linked GIS layers

Trip Volume
- Streets
- Bins

Trip Volume measures the number of vehicles that moved over a street or zone, filtered to protect individual privacy.
### Mobility Metrics

#### Daily Summary

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Vehicles</td>
<td>556</td>
</tr>
<tr>
<td>Active Vehicles</td>
<td>265</td>
</tr>
<tr>
<td>Total Trips</td>
<td>986</td>
</tr>
<tr>
<td>Total Trip Distance</td>
<td>1852 mi</td>
</tr>
<tr>
<td>Distance Per Vehicle</td>
<td>6.99 mi</td>
</tr>
<tr>
<td>Vehicle Utilization</td>
<td>48%</td>
</tr>
<tr>
<td>Trips Per Active Vehicle</td>
<td>3.72</td>
</tr>
<tr>
<td>Avg Trip Distance</td>
<td>1.88 mi</td>
</tr>
<tr>
<td>Avg Trip Duration</td>
<td>12m 25s</td>
</tr>
</tbody>
</table>

#### Trip Volume

- **Streets**
- **Bins**

Trip Volume measures the number of vehicles that moved over a street or zone, filtered to protect individual privacy.
Closures and Construction

http://roadclosures-test.sharedstreets.io/
TNC Pick-up and Drop-off

SharedStreets

Pickup/Dropoff Analysis

Query by drawing polygon using the selector tool in map.

Hours: 0-23
(hours as range e.g. 0-23 or 18-02)

Days of week:
- Mon
- Tue
- Wed
- Thu
- Fri
- Sat
- Sun
● Our tools are all open source, publicly available and free to use.

● Get started on our Github page and follow the instructions

  github.com/sharedstreets/

● Check out our blog for tutorials and how-to’s

  sharedstreets.io/blog
Thank you!

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