

An aerial photograph of Seattle, Washington, showing the city skyline, downtown buildings, and the waterfront. The city is densely packed with buildings, and the waterfront features a large body of water with a ferry and a marina. The text is overlaid on the image.

Proactive Service Changes for King County Metro South Lake Union & Denny Triangle

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December 11, 2018

Background

Proactive Approach to Service Changes

KING COUNTY METRO

Service Guidelines



ing Service Change – Overview

Spring 2018 Service Change

Over 60,000 hours of new service! #MoreMetro

More peak service to relieve crowding

Coming March 10, 2018



Data

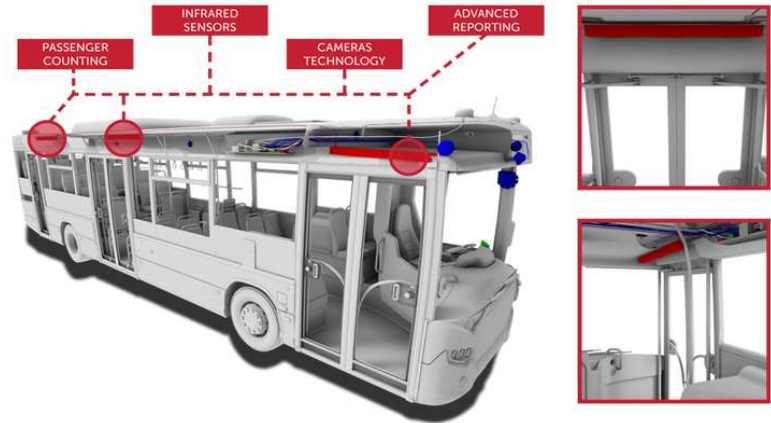
Data, Data, and more Data



Powered by MXD+

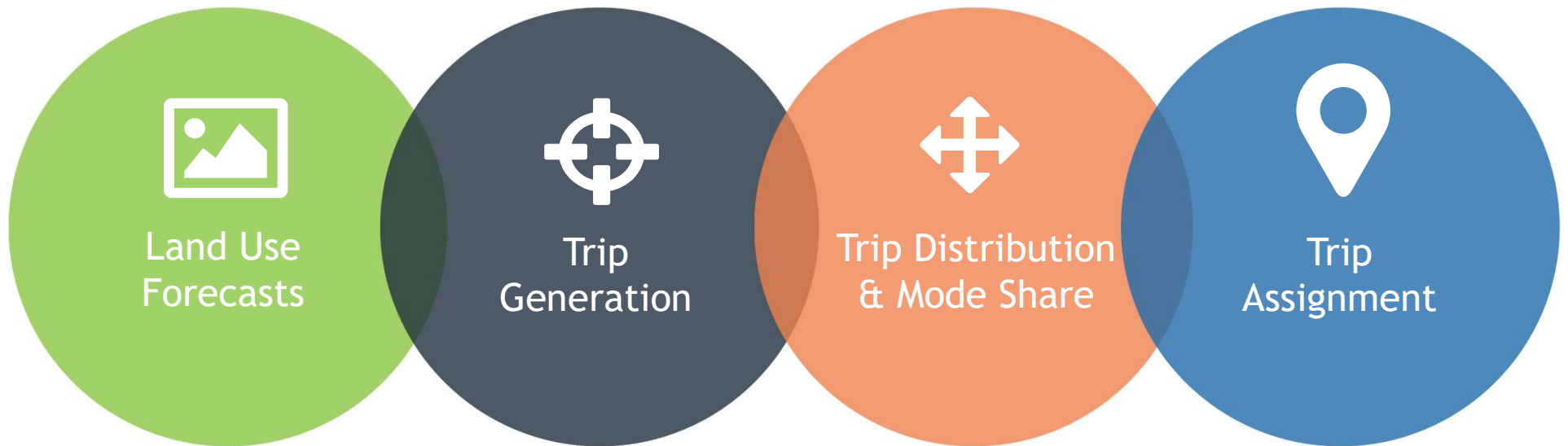


commute seattle



Evaluation Process

Transit Forecast Analysis



- Seattle DCI data
- Construction date estimates
- Equivalent housing/jobs

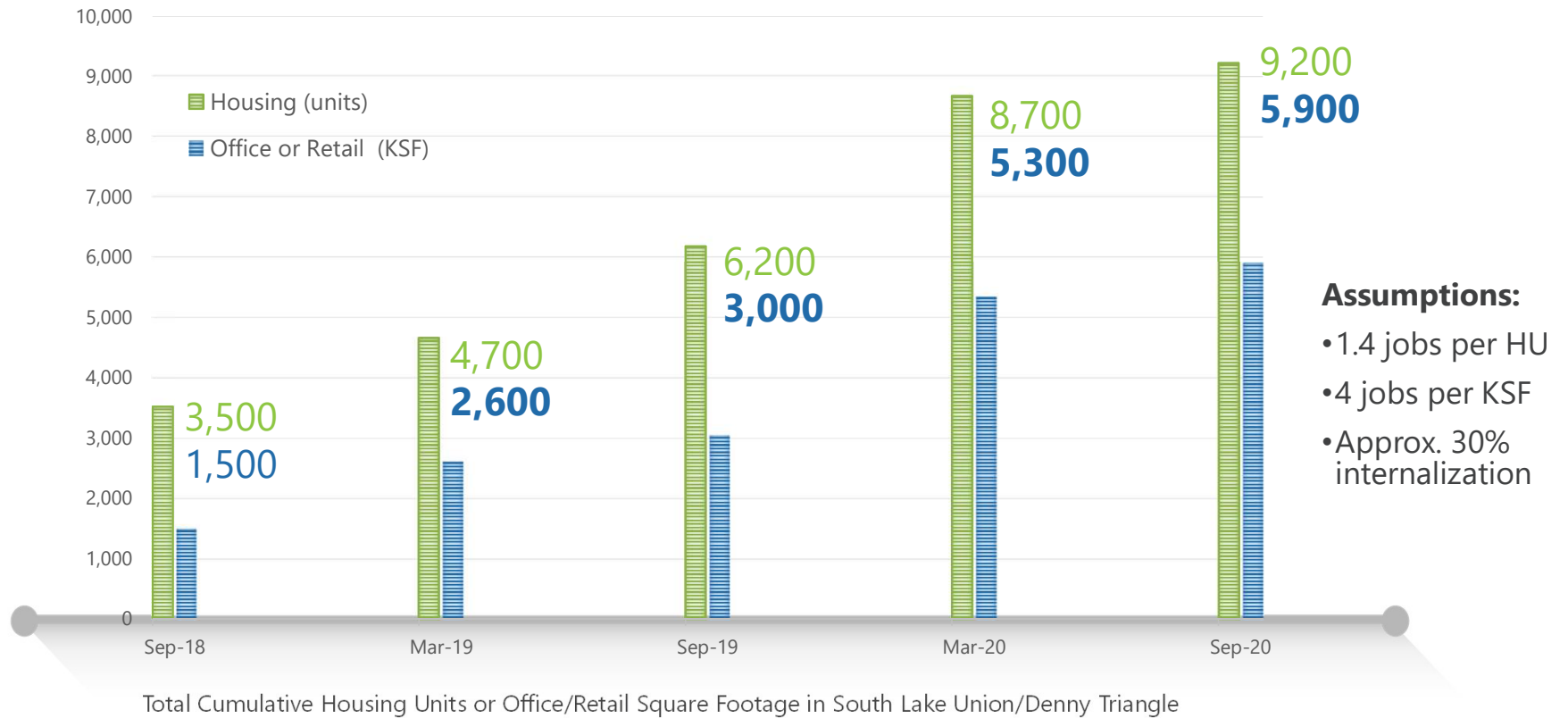
- Trips generated based on housing and job totals
- MainStreet Trip Generation and Internalization

- Boarding and alighting distribution in SLU/Denny Triangle
- Boarding and commute trip share distribution by ZIP code

- Boardings distributed by route by hour
- Comparison to crowding thresholds

Land Use Forecasts and Trip Generation

Transit Forecast Analysis

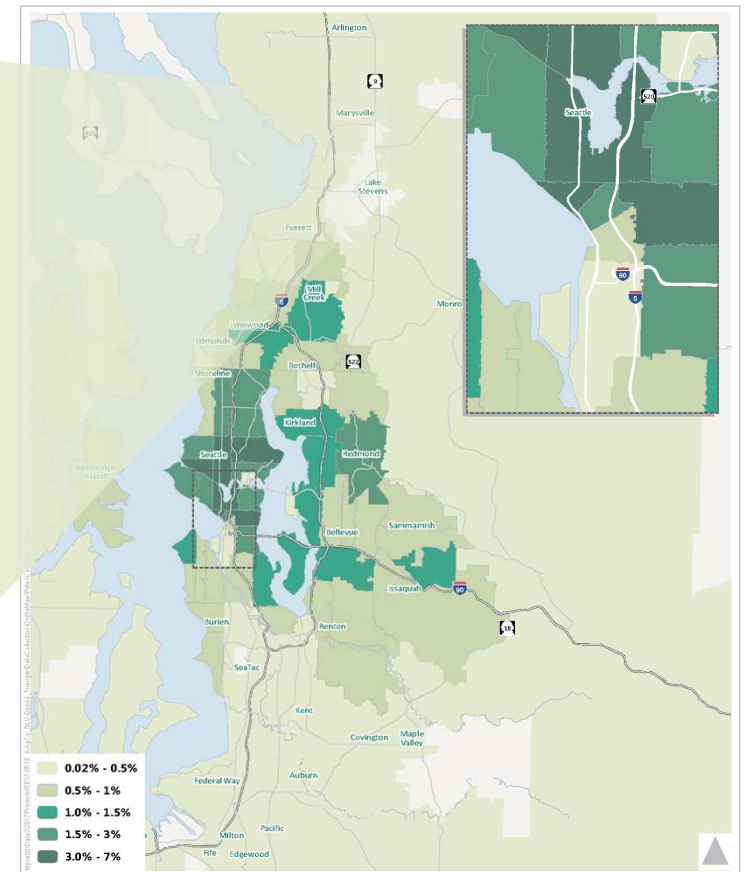
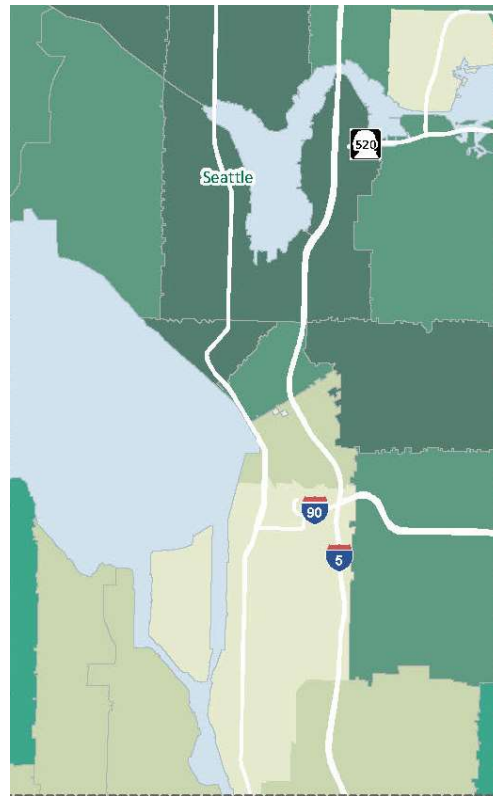


Trip Distribution

Transit Forecast Analysis

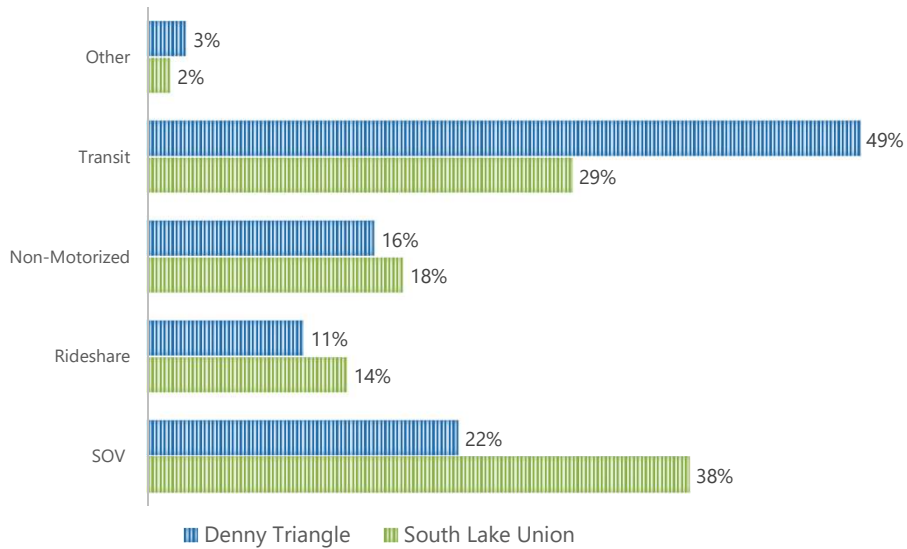
Methodology

- Commuter Mode Split Survey
- King County Metro Ridership Data
 - Direct ridership
 - Transfer ridership



Mode Share

Transit Forecast Analysis



South Lake Union & Denny Triangle Current Mode Share



Cumulative Forecast AM Transit Trips Generated by SLU/Denny Triangle Development

Trip Assignment

Transit Forecast Analysis

Northwest of I-5 N. King County Trips

Service Change/Overcrowded Trips:
 Sept 2018/50-60 Mar 2020/115-155
 March 2019/70-90 Sept 2020/120-160
 Sept 2019/80-100

W Seattle/Vashon Trips

Service Change/Overcrowded Trips:
 Sept 2018/10-20 Mar 2020/30-40
 March 2019/20-30 Sept 2020/40-50
 Sept 2019/20-30

Route-Trips above Overcrowding Threshold from Sept 2018 to Sept 2020



Northeast of I-5 N. King County Trips

Service Change/Overcrowded Trips:
 Sept 2018/5-15 Mar 2020/45-65
 March 2019/15-25 Sept 2020/50-70
 Sept 2019/15-25

SR 520 Trips

Service Change/Overcrowded Trips:
 Sept 2018/20-30 Mar 2020/50-70
 March 2019/30-40 Sept 2020/60-80
 Sept 2019/40-50

Assigned new transit riders to existing routes

Estimated number of route-trips exceeding crowding threshold

Questions?