Shared Goals: Moving People

by combining the strengths of DOTs and Transit Agencies

Designing Cities 2016, NACTO

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King County METRO
We'll Get You There

SDOT
Seattle Department of Transportation

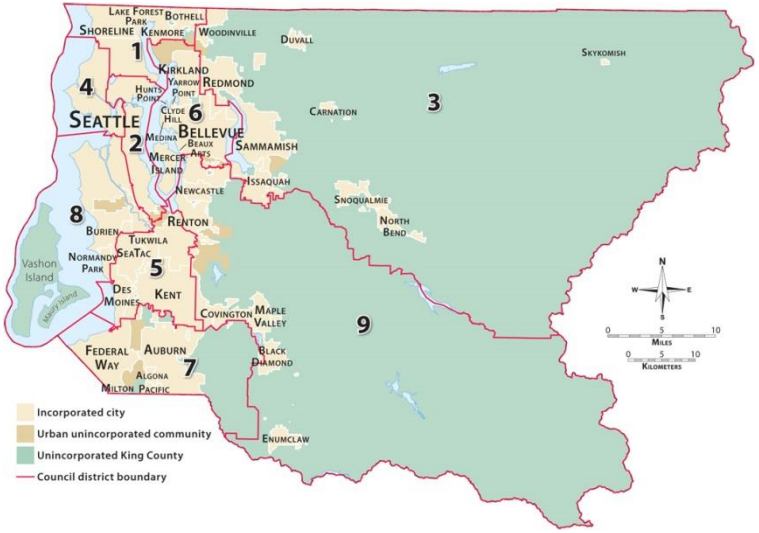
Presentation overview

- Local Context
- Project Examples
- Service Partnerships
- Coordination at All Levels

Local Context

King County is home to 2 million people and 1.3 million jobs and is one of the fastest growing Counties in the U.S.

Seattle is home to 680,000 people and 515,000 jobs



source: http://www.kingcounty.gov/operations/districting/resources.aspx

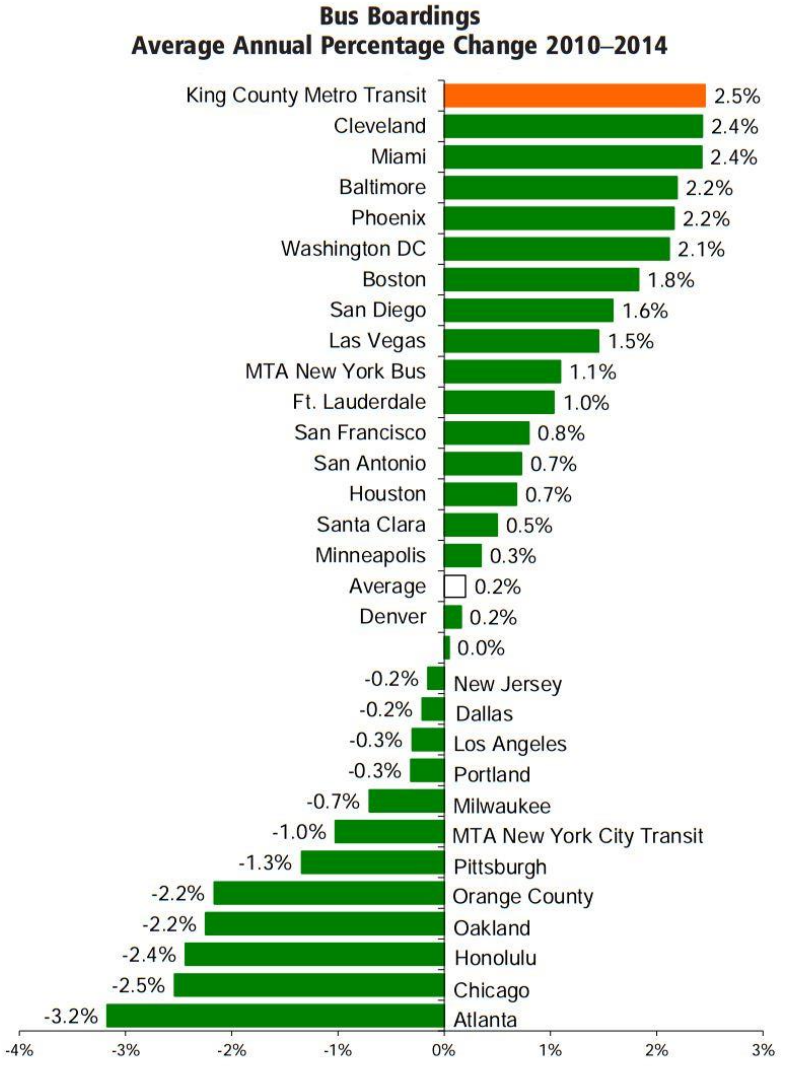
Transit Demand Increasing:

Recent studies project that the Central Puget Sound Region will have 30% more people by 2040.

Local Context

King County Metro Transit

- Metro ridership increased faster than any of the largest 30 transit systems in the U.S.
- Bus ridership growth in King County and Seattle have outpaced other major U.S urban areas since 2004.



Five-year change: Metro boardings increased by a yearly average of 2.5% from 2010 to 2014 (peer rank: 1), while the peers averaged a slight increase.

Source: http://metro.kingcounty.gov/am/reports/2015/metro-2015-strategic-plan-progress-report.pdf

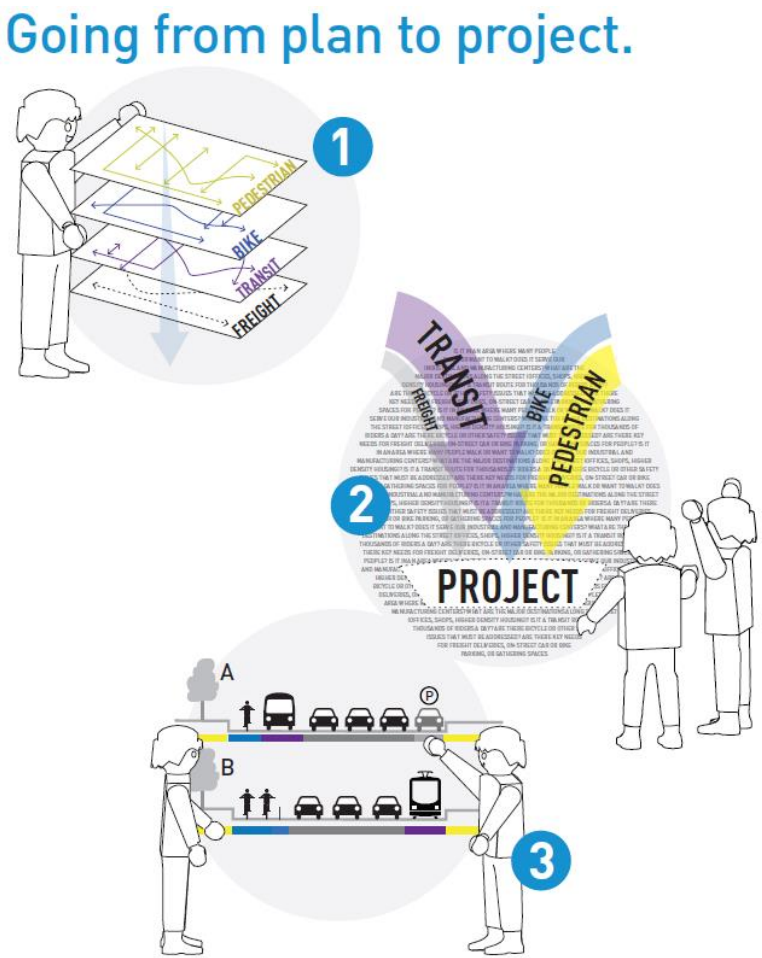
Local Context

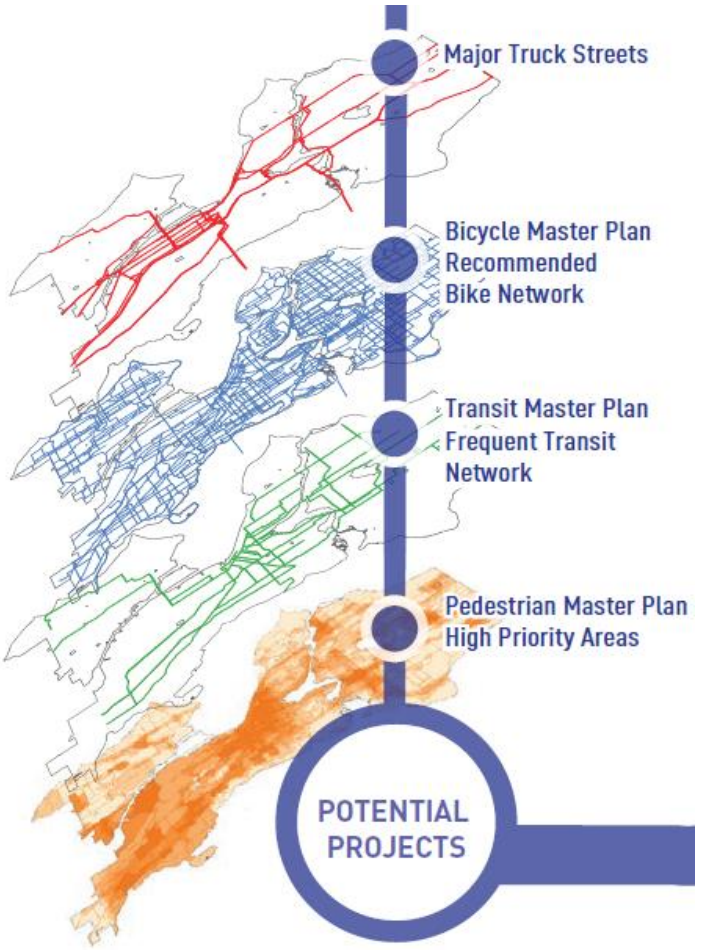
Coordination at all levels

From the directors on down

Coordination at all levels

Balancing all modes while enhancing transit





Coordination at all levels

Multi-modal corridor: Broadway, Capitol Hill

Project Examples

RAPIDRIDE

- Frequency
  - 10 minutes or better peak and 15 minutes or better off-peak
- Span
  - 18 to 24 hours of service each day, seven days per week
- Transit priority treatments
  - Queue jumps and roadway improvements
- Stations and Stops
  - ¼ to ½ mile stop spacing
  - Does not rely on underlying local service
- Passenger Facilities
  - Enhanced and branded
- Vehicles
  - Branded, fewer seats, wifi, hybrid power,, 3 doors
- Fare Collection
  - On-board and/or off-board ORCA readers
- Intelligent Transportation System (ITS)
  - Real-time info signs at stations, security cameras, free on-board wifi, and Transit Signal Priority
- Travel Time Savings
  - 15-20% faster than routes they replaced

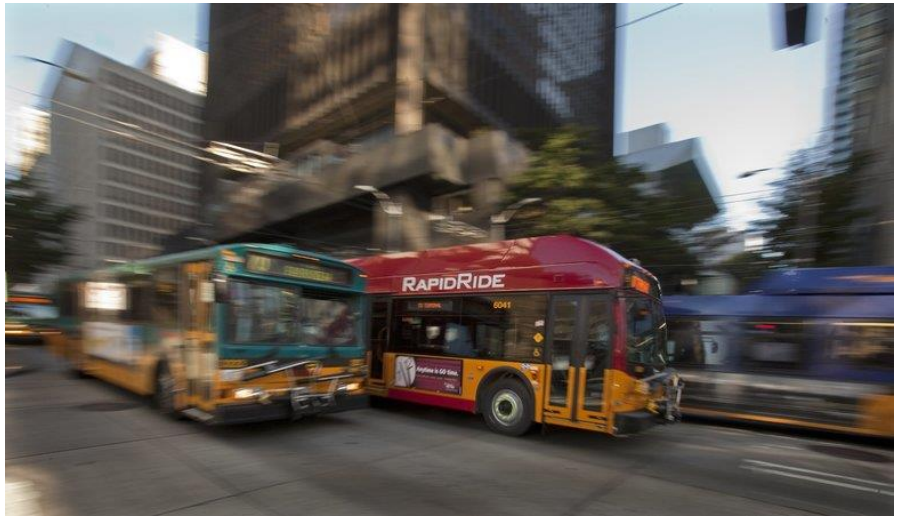
Project Examples

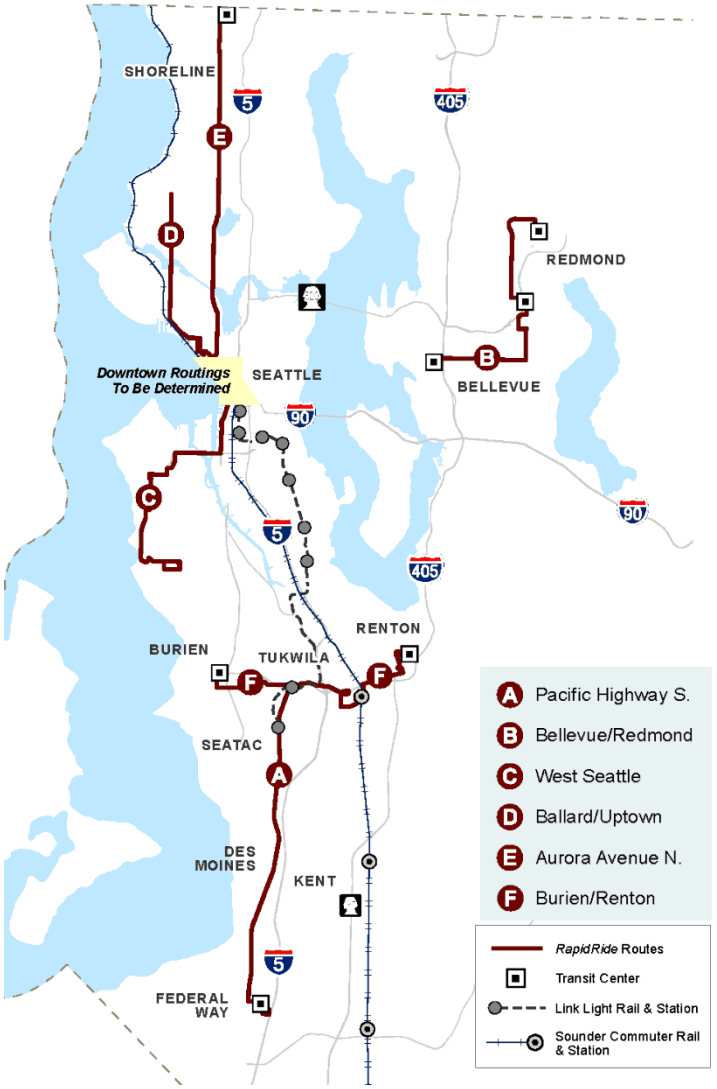
- 6 RapidRide Lines (A – F Line)
  - Implemented between 2010 and 2014
  - Compared to the bus routes they replaced, the RapidRide A to F lines combined carry about 50% more riders – about 60,000 passenger trips per weekday.
  - Travel time is as much as 20% faster, with most lines saving 1 to 5 minutes per trip.

Project Examples

RapidRide C, D, and E lines

- C and D wholly within Seattle
- E in Seattle and Shoreline

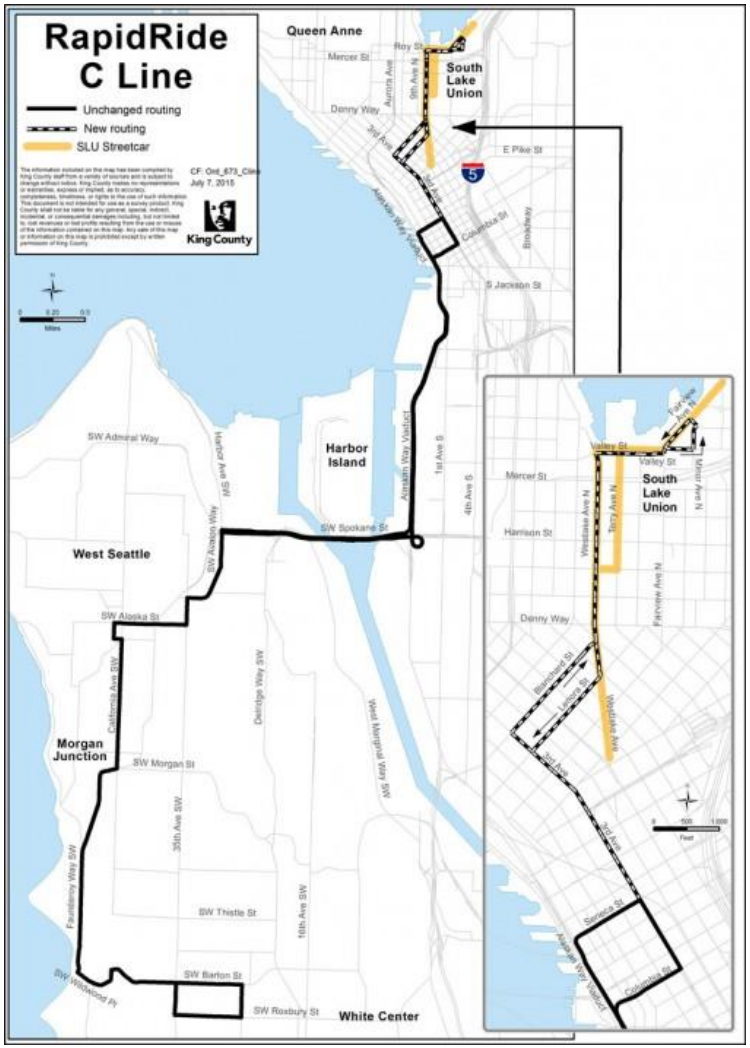




Project Examples

RapidRide C and D line Extension

- Improve reliability of the lines
- New connection to S.L.U.
- Maintain fast and reliable service



Project Examples

Transit Boarding Islands: Eliminate merging delay, provides additional space for customers, and creates a protected lane for bicyclists. *(Can view by taking Route 62)*

Dexter Avenue N

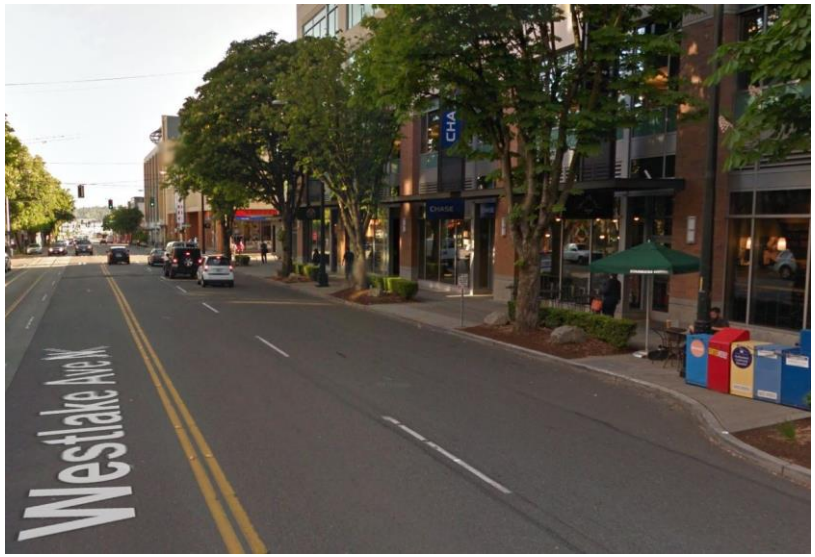
Before

After

Project Examples

Bus Bulbs: Convert pull-out stop to in-lane stop. Eliminates merging delay, and provides additional space for customers and amenities. *(Can view by taking Routes 40 or C line)*

Westlake & Harrison



Before

After

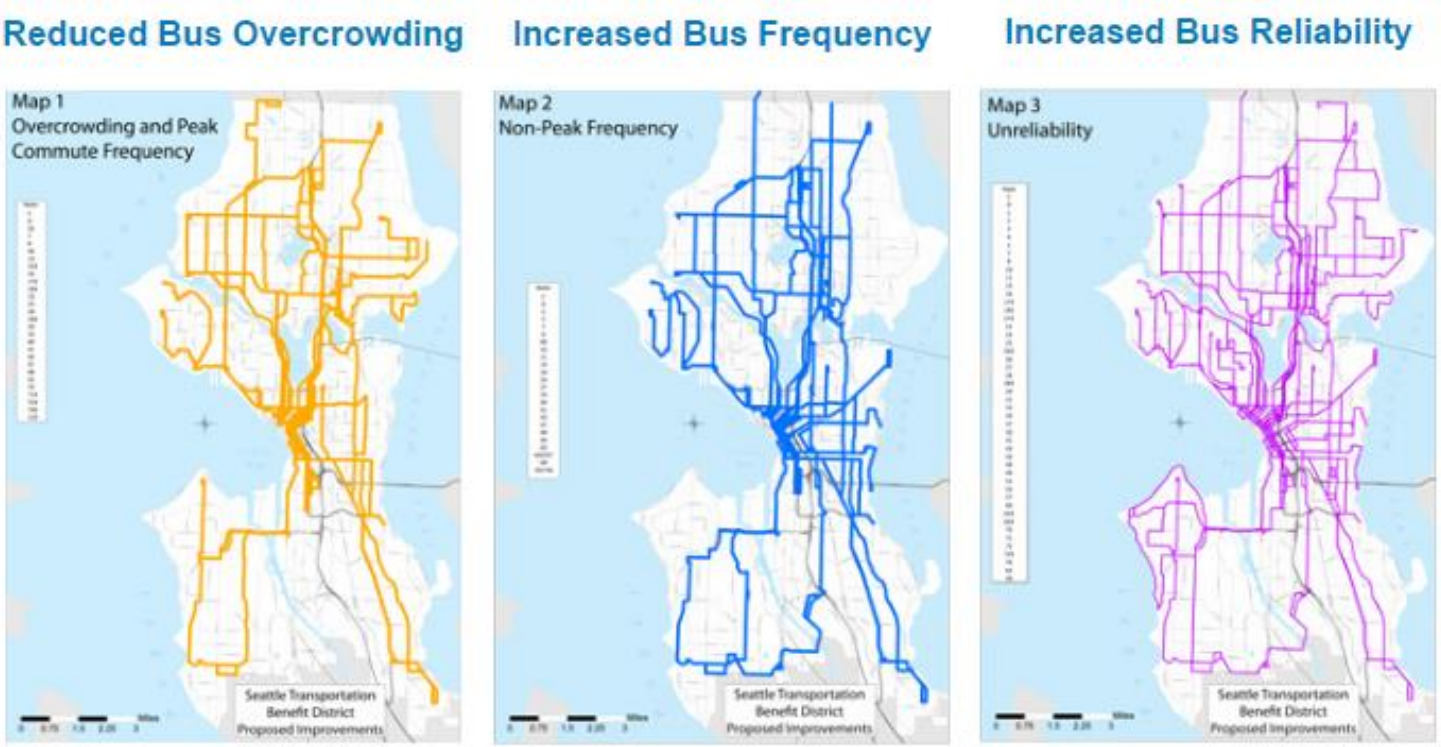
Project Examples

Bus Lane/Channelization: Enhance visibility of bus-only lanes and reduce driver violations. *(Routes E, 5, 26X, 28X)*

Battery Street Red Bus Lanes

Service Partnerships

Seattle Transportation Benefit District (STBD) funds $40M/year



Source: Seattle Department of Transportation (SDOT)

Questions?

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http://metro.kingcounty.gov/
www.seattle.gov/transportation

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