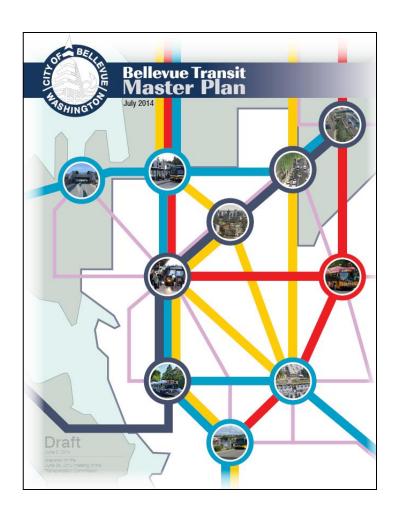




Bellevue Chamber of Commerce Transportation Committee June 10, 2014



- 1. Project Background
- 2. Community Outreach
- 3. Scope of Work
- 4. Next Steps







#### **Bellevue Transit Master Plan**

#### **Other Transit Services**

**Metro Fixed Route Service** 



**ST Regional Express** 



**ST Light Rail Service** 



**Access Paratransit** 



**Commuter Vans** 



**ST Commuter Rail Service** 



**Dial-a-Ride-Transit (DART)** 

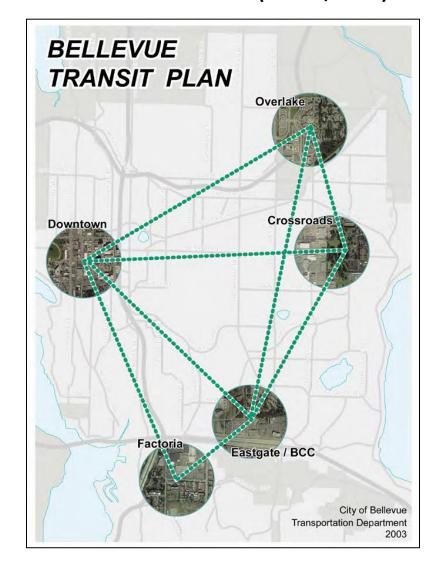


Taxi Script





### **Resolution No. 6859 (June 2, 2003)**



### **Capital Projects (since 2003)**











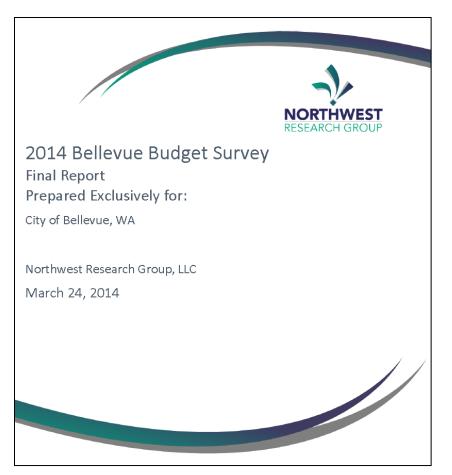




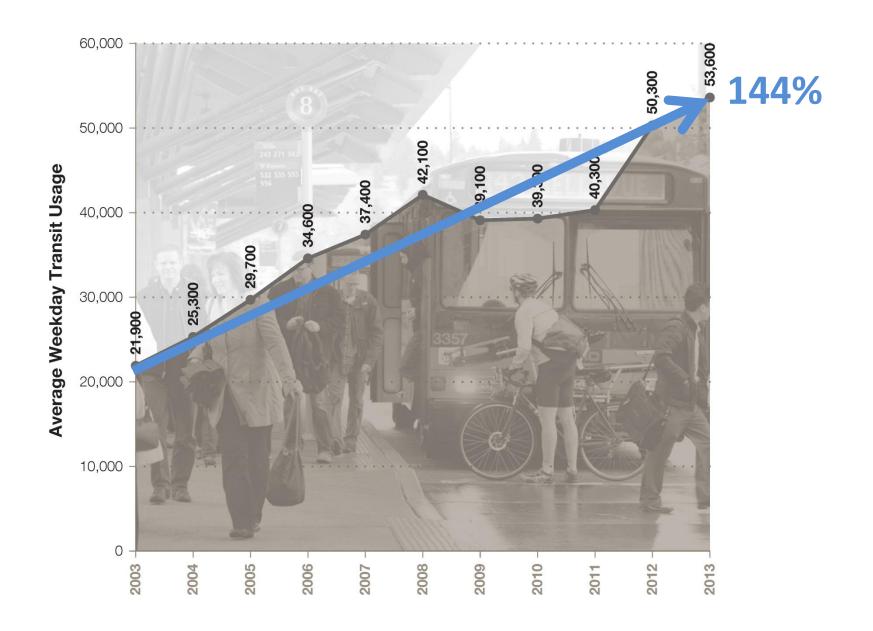


# Project Background





90 percent of Bellevue residents agree or strongly agree that the City should "work with regional agencies to improve local and regional public transportation serving Bellevue."







Downtown Bellevue 2030 Vision



Bel-Red Subarea Plan

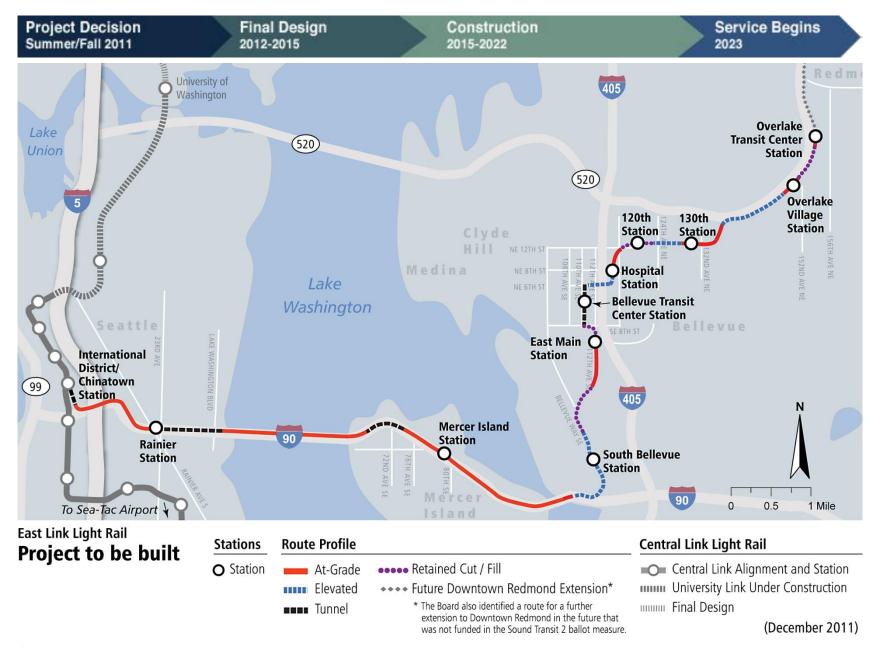


South Kirkland P&R Transit Oriented Development Project



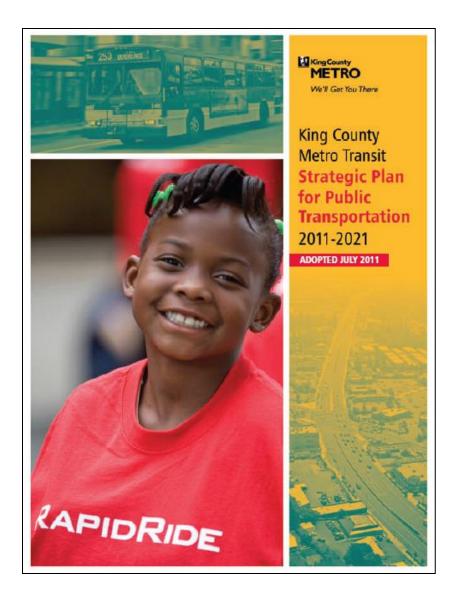
**Eastgate Transit Oriented Development Concept** 

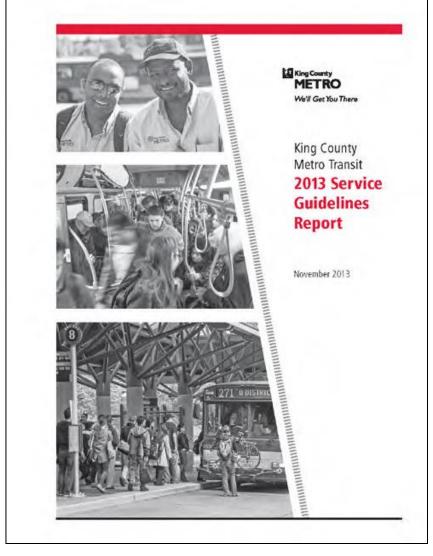




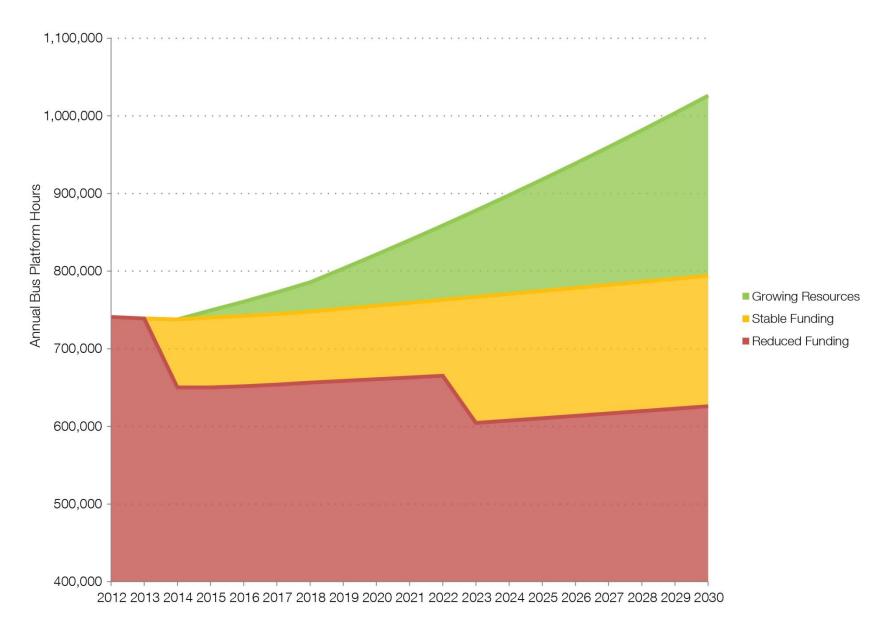


## **Evolving Transportation Vision**

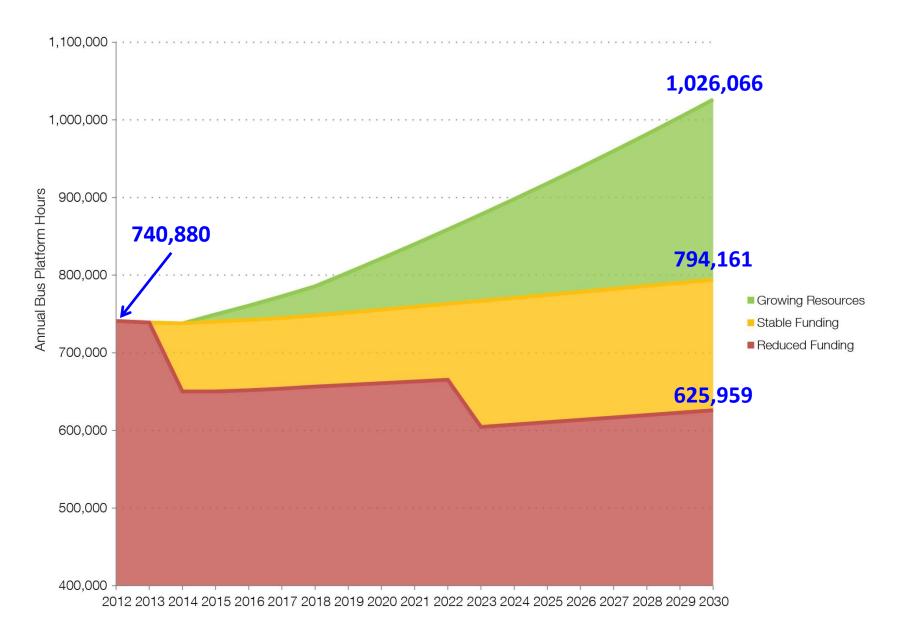














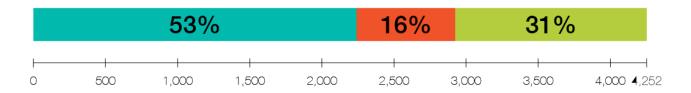
## **Financial Uncertainties**



# **Community Outreach**



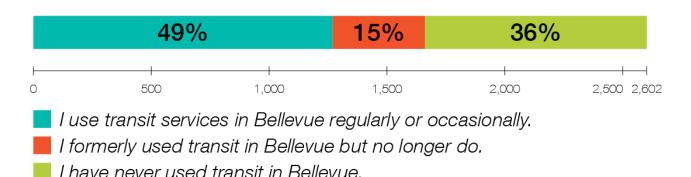
## **All Respondents**



### **Bellevue Residents**



### **Non-Bellevue Residents**





## HOW SHOULD THE CITY INVEST?

30%

21%

14%

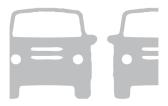
10%



Improve service speed and reliability by investing in roadway and traffic signal infrastructure. (595)

RAPIDRIDE REDMOND TO 4:49PM Tue Apr

Provide real-time bus arrival information signs at major stops, similar to the RapidRide B Line at Bellevue Transit Center. (406)



Increase vehicle parking capacity at Park and Ride lots. (268)



Provide additional route. schedule, and wayfinding information at bus shelters. (189)



Install additional bicycle lanes/trails to better connect neighborhoods to bus services. (107)

3%

Improve comfort at bus

stops with improvements like

additional seating and other

street furniture. (60)



Improve safety at bus stops by providing additional street lighting. (61)

2%

Improve sidewalk connectivity (install additional sidewalks) at and around bus stops. (48)

2%



Repair City-owned streets used as transit corridors to improve ride quality/comfort. (31)

<1%



Increase bicycle parking capacity at Park and Ride lots. (3)

Note: N=1,962 total respondents. Percentages for current transit users who live in Bellevue are shown in parenthesis (661 respondents).

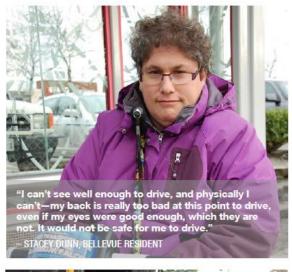


**On-Line Questionnaire** 





- ANGIE CHANDLER, BELLEVUE RESIDENT





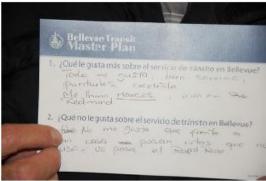






MARJ LEIDY, BELLEVUE RESIDENT





#### Bellevue Transit Master Plan

1. Что вам нравится в транспортном обслуживаний в Bellevue?

Ме нежение, что семь мусть разнах авто.

- чусь, что услочен, жедет по расписанию, и них народем, не власно ездать.

(Translation

2. Что вам не нравится в транспортном обслуживанни в Bellevue?

A on single modele for cast that included to day cast funds, in Sectional than so to work tool transfers.

Softee it was much easier to sortch basis —

How longer afges make it harder.

44 F003 (317.4)





1. Что вам нравится в транспортном обслуживании в Bellevue?
Мин не навится меня Тванчэт Бузгем. Раньше когда я явотал в
Систе, я голь урвался автовисам из Велованои отпо выпо заобно
Сейнас з разбинаю в Веловию, и нейащ много времени это бы
доемть во работы. Автовусина сомяновки настопожем далеко
удруг от друга и приходится эпрать и долейие

1 тапивально

2. Что вам не нравится в транспортном обслуживании в Bellevue?

3 am not substited with new Transit system Refore,
when I worked in Scattle I took the bus from Belleviu
and it was or,
and it was or, Sellinue and it takes a larger time to get
to fee because. I have to want langue to get a learnstre late
be bus stops in different places for laway from each other.









1. Что вам нравится в транспортном обслуживании в Bellevyel

De napolinal of per East total a receipt of the left

The wear pure active the active perfect bourge of the

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clear a cine myggino gribations go padology

their e publists governer nather personal padology

2. Что вам не нравится в транспортном обслуживании в Bellevue?

I work in Easterge and live in S.E. Bellewe the Transit

System is very afficient to set to my los because it handle.)

I wanter and traffic (now larger and now it handle).

Published in



## **Non-Native English Speakers**



Betty Nokes, President and Chief Executive Officer



Patrick Bannon, President



Ray White, VP Administrative Services



Chi Pak, Senior Manager of Corporate Sustainability



Terry Parker, Transportation Manager



Lauren Thomas, Interim Chief Executive Officer



Paula Houston, Chief Executive Officer



Christina Brandt, Chief Executive Officer



Jim Stanton, Senior Community Affairs Manager



Sandy Bumstead, Director of Facilities



Paulo Nunes-Ueno, Director of Transportation & Sustainability



Andy Wappler, VP of Corporate Affairs



#### **COACH OPERATOR SURVEY**

King County Metro and the City of Bellevue are working together to improve travel time and reliability of services in Bellevue. Metro and Bellevue staff have worked together to develop this survey to collect your thoughts and concerns about where in the City of Bellevue congestion problems compromise transit's efficiency. This survey is strictly voluntary and unpaid.

Your input will inform the City of Bellevue's work on its Transit Master Plan - a 20-year look ahead to the type of transit system that will be required to meet Bellevue's transit needs

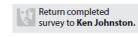
We are interested in hearing your thoughts as we assess roadway, signal system, and other rights-of-way improvements that could be made to support the city's transit vision.

Using the map and letters provided on the next page, please indicate where you experience any of the following:

- A. Areas where you lose most time
- B. Bus waits through multiple signal cycles to get through intersection (indicate route, time of day, day of week, and direction of travel)
- C. Bus is delayed by long signal cycles or poor signal timing for transit (indicate route, time of day, day of week, and direction of travel)
- D. Delay caused by required lane changing maneuvers
- E. Delay caused by bus pull-outs
- F. Safety concerns related to bus zone
- G. Safety concerns related to traffic conflicts
- H. Any bus stop locations that passengers or operators have expressed an opinion could be

Please indicate the routes you drive and provide any additional comments you feel would be useful to the project.

Routes you drive:
Comments: (use back of survey for additional comments)





Department of Transportation Metro Transit Service Development 201 South Jackson Street

Themes	Issues	Number of Issues Identified	Percent of Issues Identified	Percent of Comments Citing Issue	Number of Respondents Citing Issue	Percent of Respondents Citing Issue
Bus Stop Locations Total		13	10%	14%	9	35%
	Adjust Stop Location	4	3%	4%	3	12%
	Eliminate Stop	7	5%	8%	6	23%
	New Stop	1	1%	1%	1	4%
	Miscellaneous	1	1%	1%	1	4%
Maneuverability	Total	13	10%	14%	7	27%
	Bus Pull-Out	3	2%	3%	3	12%
	Lane Changes	6	4%	7%	4	15%
	Roadway Design	4	3%	4%	2	8%
Safety Issues	Total	23	17%	26%	11	42%
	Bus Zone	5	4%	6%	5	19%
	Pedestrian Conflicts	4	3%	4%	3	12%
	Traffic Conflicts	14	10%	16%	8	31%
Signal Delay	Total	60	44%	67%	17	65%
	Signal Coordination	4	3%	4%	3	12%
	Long Cycle / Poor Timing	25	18%	28%	12	46%
	Multiple Cycles	12	9%	13%	6	23%
	Short Green	18	13%	20%	10	38%
	Miscellaneous	1	1%	1%	1	4%
Slow Areas	Total	19	14%	21%	6	23%
	Bellevue College	1	1%	1%	1	4%
	Bellevue Transit Center	1	196	1%	1	4%
	Bellevue Way SE	2	1%	2%	2	8%
	Bel-Red	1	1%	1%	1	4%
	Crossroads	1	1%	1%	1	4%
	Downtown Bellevue	6	4%	7%	4	15%
	Eastgate	1	1%	1%	1	4%
	Newcastle	1	1%	1%	1	4%
	Overlake Park & Ride	1	1%	1%	1	4%
	Overlake Transit Center	1	1%	1%	1	4%
	S. Kirkland P&R and Vicinity	2	1%	2%	2	8%
	SR-520 at NE 40th St	1	1%	1%	1	4%
Traffic Delay	Total	7	5%	8%	5	19%
	Congestion	3	2%	3%	3	12%
	Conflicts with Other Modes	4	3%	4%	2	8%
Miscellaneous	Total	1	1%	1%	1	4%





















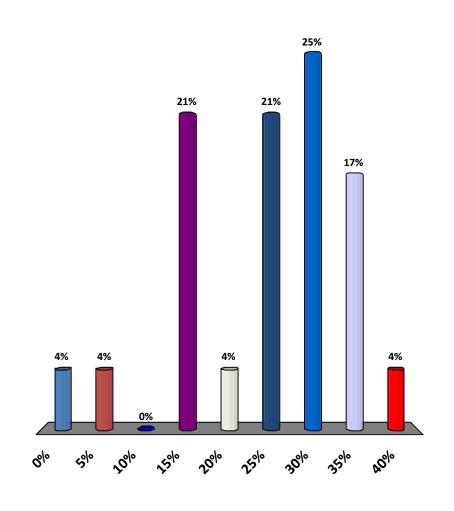


**Board/Commission Workshops** 

## What % of the population is it OK not to serve?

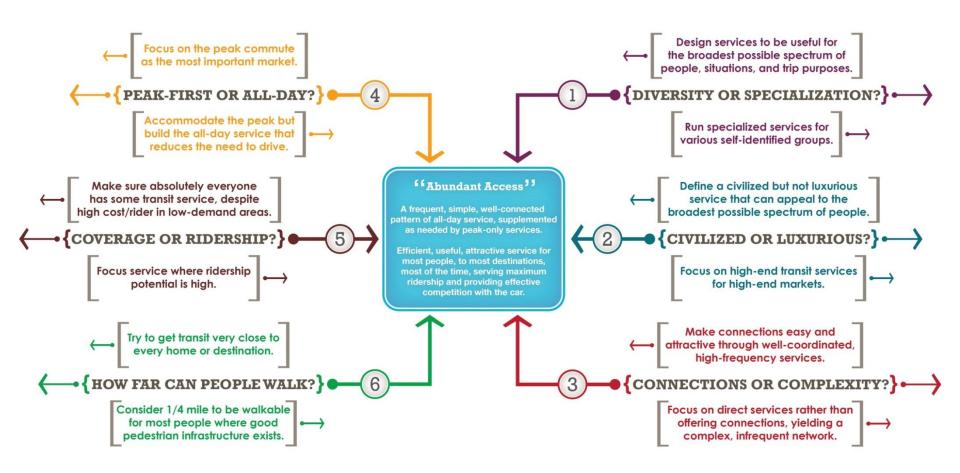


- 2. 5%
- 3. 10%
- 4. 15%
- 5. 20%
- 6. 25%
- 7. 30%
- 8. 35%
- 9. 40%





**We Are Here** 







# Scope of Work







## **Project Principles**

The City Council envisions a fully integrated and user-friendly network of transit services for Bellevue that supports the city's growth, economic vitality, and enhanced livability, and has developed the following set of project principles to direct development of the Transit Master Plan.

- development in Bellevue with a bold transit vision that encourages long-term
- 1. Support planned growth and The dynamic nature of Bellevue's economic expansion requires a bold transit vision supported by practical, achievable strategies in the near term that set a solid foundation for longer term in provements through 2030. The Transit Master Planishould identify, evaluate, and prioritize transit investments that are responsive to a range of financial scenarios (cuts/status-quo/aspirational) and attune to different time
- stakeholders in setting the priorities for transit delivery.

facilities from a range of stakeholders including residents, businesses, major institutions, neighboring cities, transportation agencies, and others (e.g., community associations, Network on Aging, Bellevue School District, Bellevue College, Chamber of Commerce, Bellevue Downtown Association). Special

transit investments can mobility and access possible for all populations.

characteristics, and travel patterns. Following consultations with the community, demand forecasting, and a review of industry best practices and emerging technologies, this initiative will identify the steps required to create a public transportation system that is easy to use by all people in Bellevue for trips within 

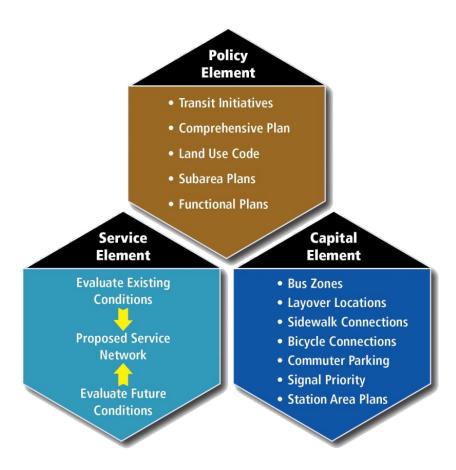
4. Incorporate other transitrelated efforts (both bus and light rail underway in Bellevue and within the The Transit Master Plan should incorporate local and regional transportation projects and plans that have been approved and/or implemented since the Bellevue Transit Plan was adopted in 2003. Transportation Planning changes include the updated Bel-Red Subarea Plan, the Wilburton Subarea Plan and the

5. Identify partnership opportunities to further extend transit service and While transit infrastructure is typically funded through large capital funding programs, other less traditional funding mechanisms can be utilized to pay for improvements vital to support transit communities and/or achieve higher transit ridership. The Transit Master Plan should undertake an analysis of partnership opportunities that the City might want to consider with other government organizations (e.g., Bellevue School District, Bellevue College, Metro, Sound Transit), human service agencies, and private corporations, to improve transit service delivery in Bellevue. This analysis will explore alternatives to

effectiveness to evaluate transit investments and to track plan progress.

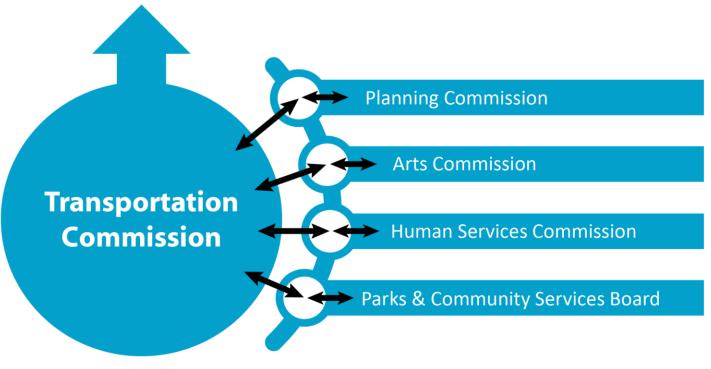
(i) mode split targets within each of the City's Mobility Management Areas | Table TR.1 - Area Mobility Targets: (2) transit service frequency in provement targets between 0 owntown. Overlake, Crossroads, Eastgate, and Factoria (TRIS - 10 Year Transit Vision); and, (3) guidance found in 44 transit-supportive better reflect present and future conditions.

## **Scope of Work**





# **Bellevue City Council**



Members of the Planning, Arts, and Human Services Commissions and the Parks and Community Services Board are invited to all staff briefings on the TMP to the Transportation Commission.



## CURRENT TRANSIT NETWORK



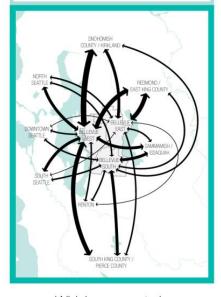
What service types are in place today and how well do they perform?

### MARKET SEGMENTATION



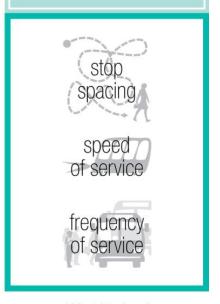
What are the attitudes and preferences that drive traveler choices?

## FUTURE TRAVEL MARKETS



Which segments in which travel markets should transit services compete for?

# SERVICE-ORIENTED STRATEGIES

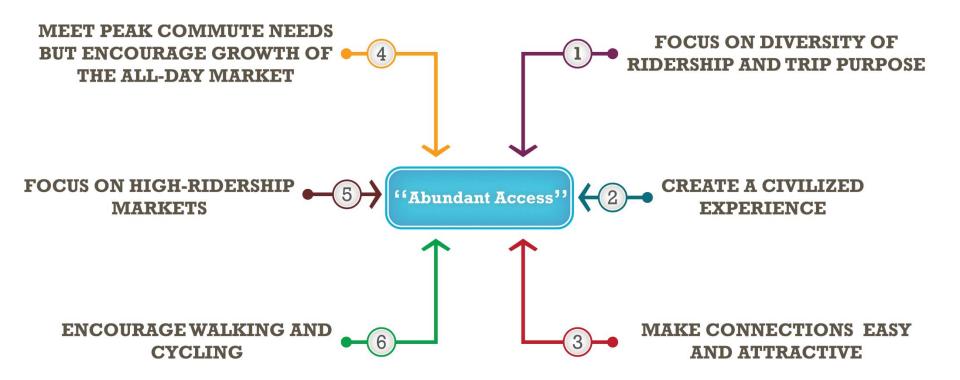


What kinds of strategies can best seize these opportunities?





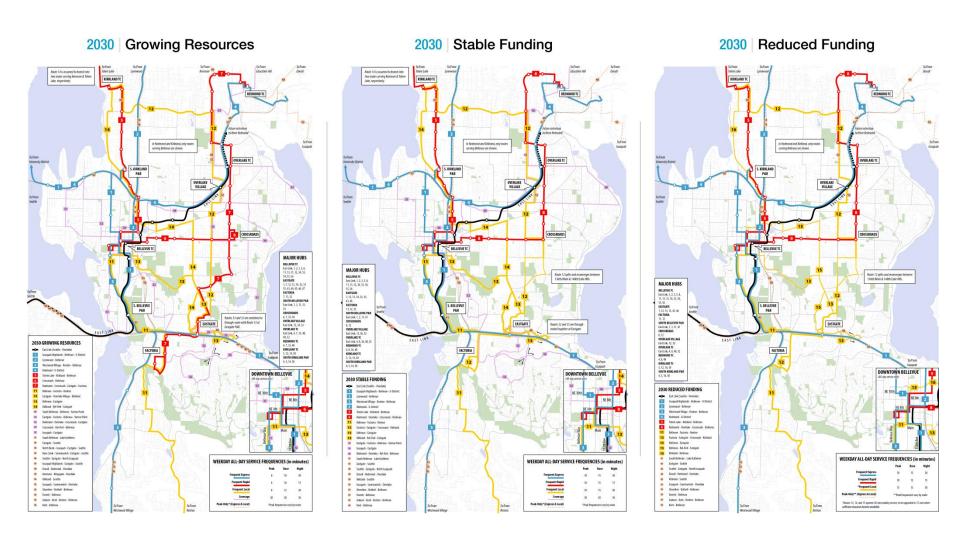




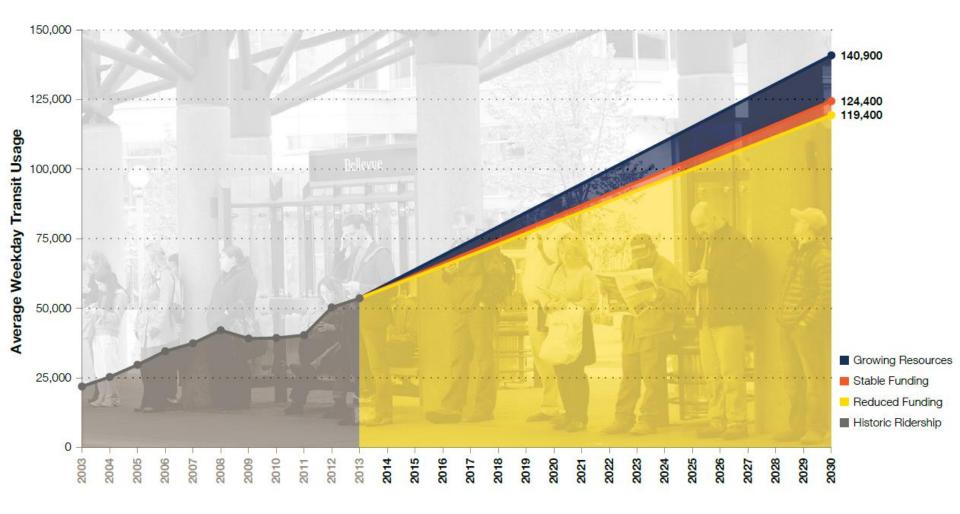








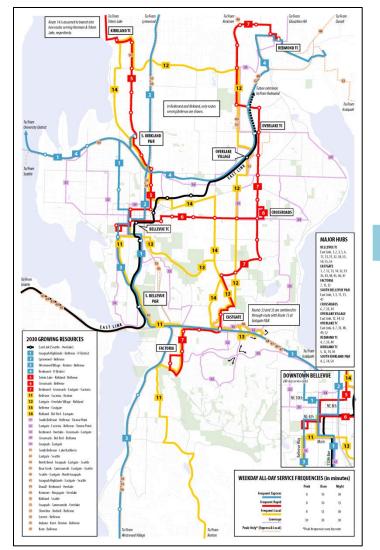




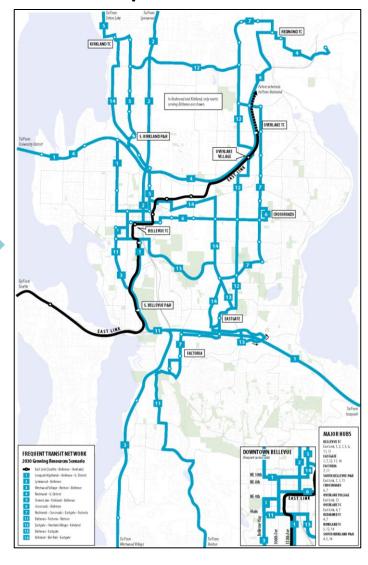
Source: BKR travel demand model (platform MP30r6.2)



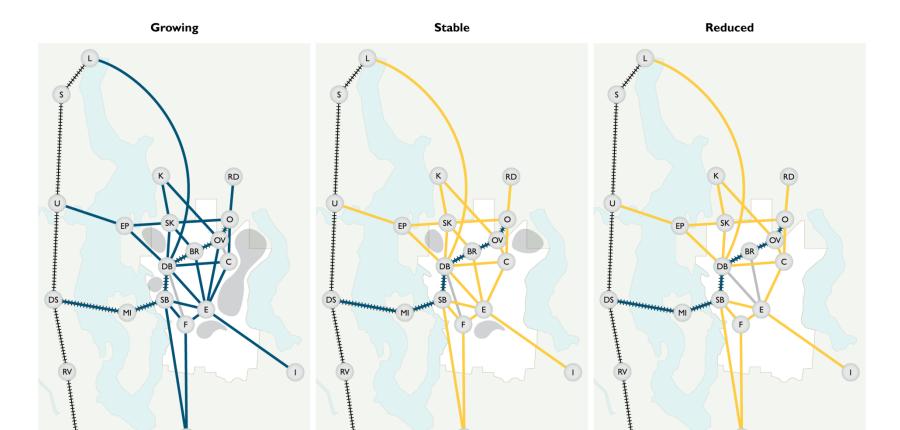
## **2030 Growing Resources**



## **2030 Frequent Transit Network**







#### 2030

BR Bel-Red
C Crossroads
DB Downtown Bellevue
E Eastgate
F Factoria
SB South Bellevue Park & Ride

EP Evergreen Point
I Issaquah Transit Center
K Kirkland Transit Center
L Lynnwood
MI Mercer Island
O Overlake Transit Center
OV Overlake Village

**Z DS** Downtown Seattle

R Renton
RD Redmond Transit Center
RV Rainier Valley
S Shoreline
SK South Kirkland Park & Ride
U University District

★ SeaTac

	Peak	Midday	Night		
Very Frequent (every train connection)	≤8	≤12	15-30	Note: numbers reflect approximate peak/midday/night	
Frequent	10-15	15	15-30	frequencies.	
Infrequent	30	15-30	30-60	LRT	



2030 "Conceptual" Network

#### 2022

BR Bel-Red
C Crossroads
DB Downtown Bellevue
E Eastgate
F Factoria
SB South Bellevue Park & Ride

EP Evergreen Point
I Issaquah Transit Center
K Kirkland Transit Center
L Lynnwood
MI Mercer Island
O Overlake Transit Center
OV Overlake Village

**Z DS** Downtown Seattle

R Renton
RD Redmond Transit Center
RV Rainier Valley
S Shoreline
SK South Kirkland Park & Ride
U University District

★ SeaTac

	Peak	Midday	Night		
Very Frequent (every train connection)	≤8	≤12	15-30	Note: numbers reflect approximate peak/midday/night frequencies.	
Frequent	10-15	15	15-30		
Infrequent	30	15-30	30-60	LRT	



2022 "Conceptual" Network

#### 2015

BR Bel-Red
C Crossroads
DB Downtown Bellevue
E Eastgate
F Factoria
SB South Bellevue Park & Ride

EP Evergreen Point
I Issaquah Transit Center
K Kirkland Transit Center
L Lynnwood
MI Mercer Island
O Overlake Transit Center
OV Overlake Village

**Z DS** Downtown Seattle

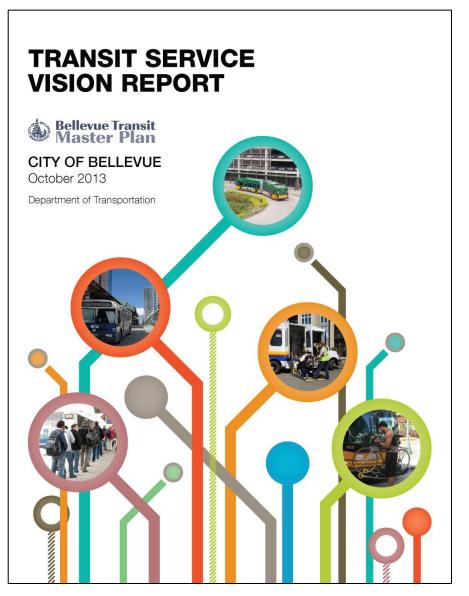
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RV Rainier Valley
S Shoreline
SK South Kirkland Park & Ride
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Frequent	10-15	15	15-30	
Infrequent	30	15-30	30-60	LRT



2015 "Conceptual" Network



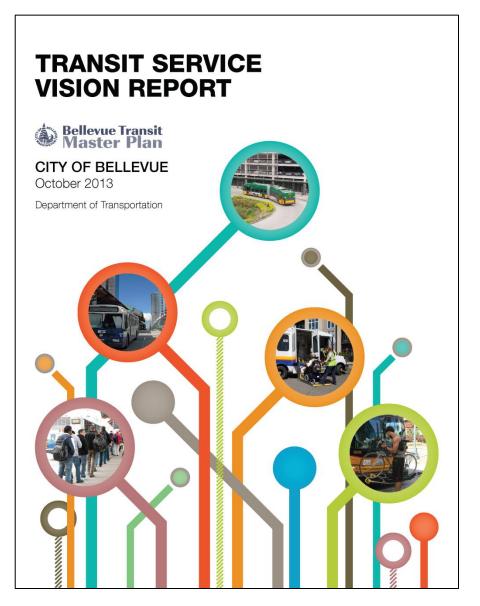
Seattle Transit Blog

Bellevue's 2030 Transit Service Vision October 28, 2013 by David Lawson

"This is exciting work — the most serious, credible proposal for a major restructure toward all-day frequent networks that is currently on the table in the Puget Sound area. The City of Bellevue deserves enormous credit for making this happen. I can't wait to watch Bellevue, Metro, and Sound Transit work toward these ideas as Link's opening approaches, and I hope this work inspires other local jurisdictions to take a similarly cohesive, comprehensive approach in their own transit planning work."



**Public Feedback** 



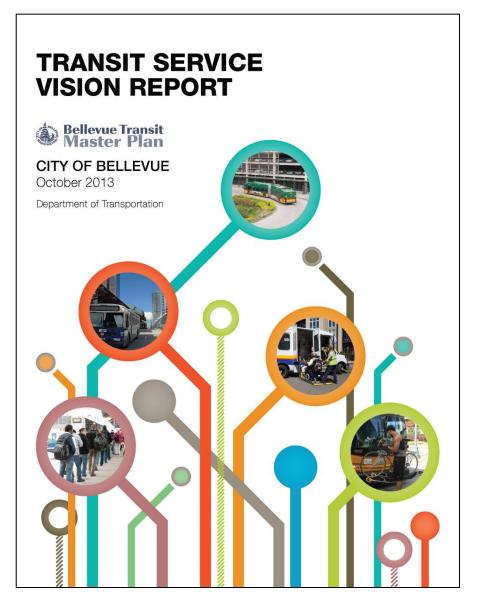
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**Public Feedback** 



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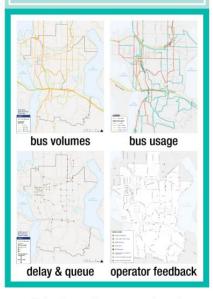
**Public Feedback** 

#### FREQUENT TRANSIT NETWORK (FTN)



Where is bus service expected to be convenient, reliable, easy-to-use?

# CURRENT and FUTURE CONDITIONS



What are the current and future conditions on FTN corridors?

## EVALUATION of COSTS and BENEFITS



What are the costs and benefits of different levels of operational exclusivity?

# CAPITAL-ORIENTED STRATEGIES



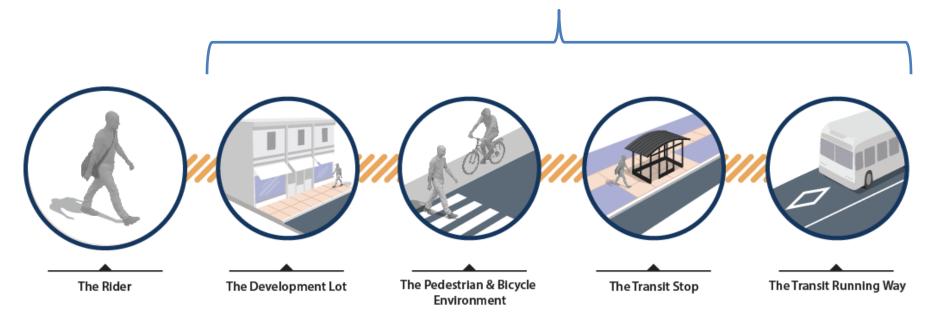
What strategies can influence the public's decision to use transit?



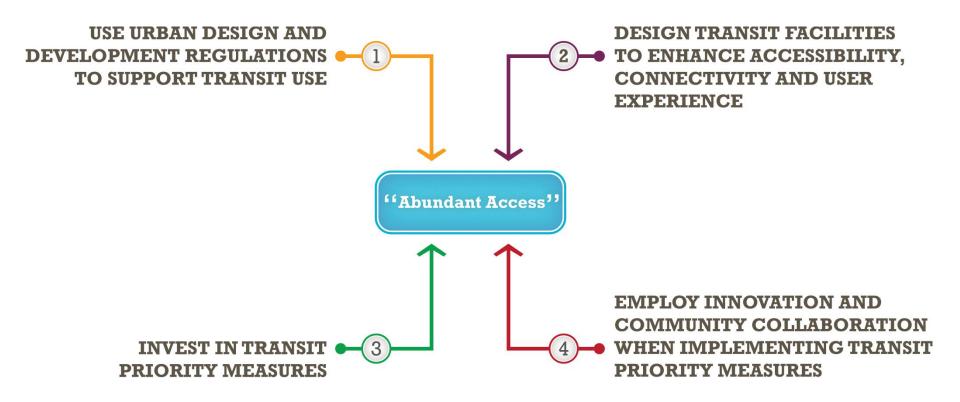




### **City of Bellevue Influence**



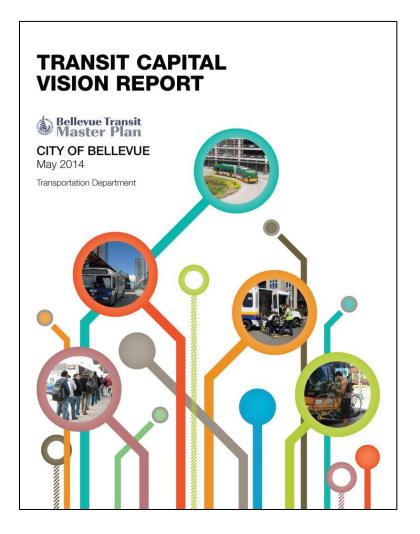






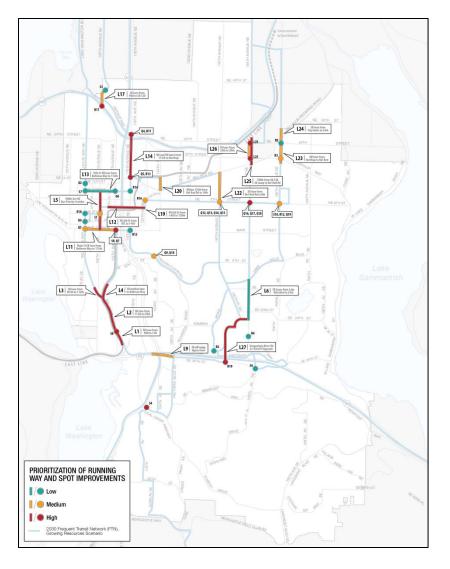






- Arterial HOV lanes
- Business Access Transit lanes
- Queue jump
- Road construction
- Transit Signal Priority
- Commuter parking facilities
- Shelters
- Layover facilities
- Pedestrian infrastructure
- Bicycle infrastructure





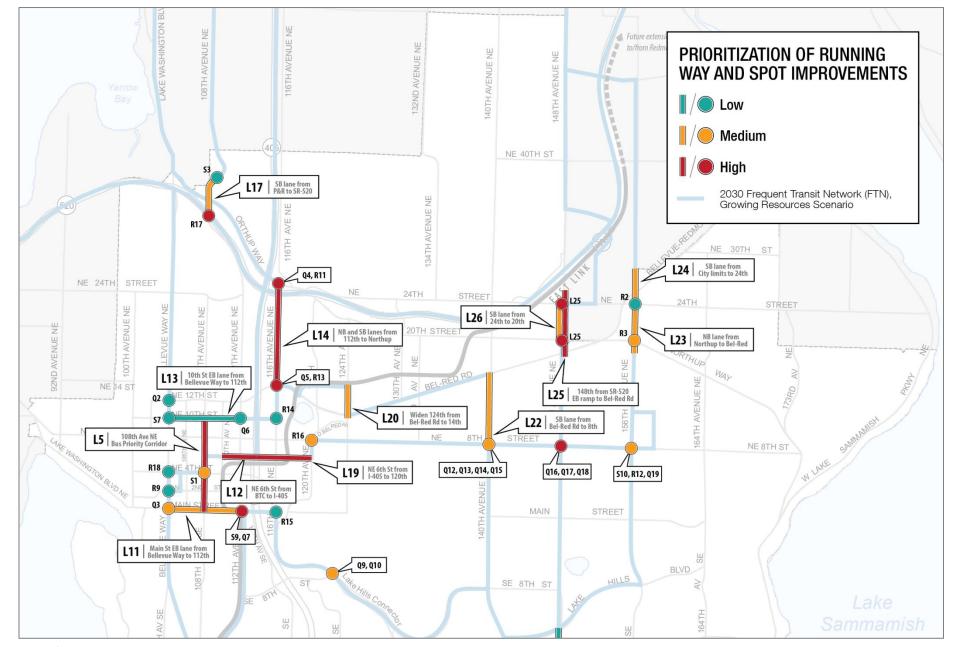
## **Prioritization Philosophy:**

Consistent with FTN goal of enabling more people, to reach more destinations, in less time.

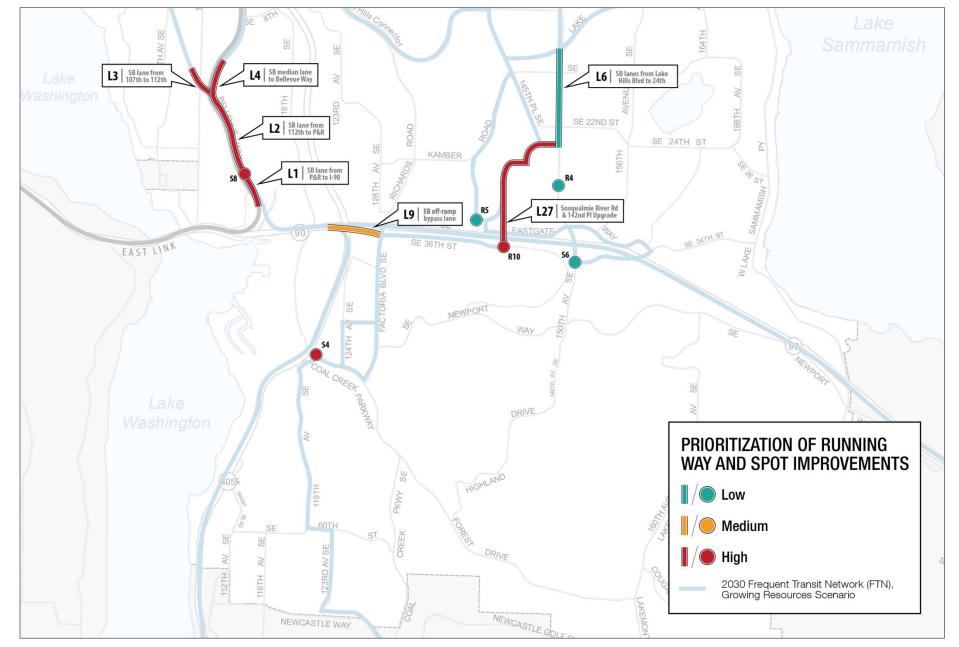
#### **Prioritization Factors:**

- 1. weekday transit ridership
- 2. weekday bus volumes
- 3. PM peak approach delay
- 4. PM peak approach queue length
- 5. intersection level-of-service

























3000 Landerholm Circle SE · Bellevue, WA 98007-6484 · www.bellevuecollege.edu

April 16, 2014

Bellevue City Council 450 110th Ave. NE P.O. Box 90012 Bellevue WA 98004

Dear Mayor Claudia Balducci and Honorable Councilmembers,

Bellevue College has been pleased to participate in the City of Bellevue Eastgate/I-90 Land Use and Transportation Project and the Transit Master Plan. Over the course of these two projects, we have participated at forums, field investigations, commission meetings, and met directly with City staff and consultants. From these two planning initiatives, the Bellevue College Connection project has emerged as a significant opportunity to improve vehicle, transit, bicycle, and pedestrian movement. This project will benefit campus, the surrounding corridors and neighborhoods, the Eastgate Transit Center, and the potential transit-oriented development site.

The College is greatly interested in the opportunity to enhance pedestrian safety and walkability, create a bicycle connection to the Mountains to Sound Greenway, and facilitate frequent local and regional transit with fewer areas of conflict. This project will support and expand our recent growth in transit commuting, which nearly one in three students cite as their primary mode of transportation. It will also support low impact choices like walking and biking. The benefits of reduced auto congestion combined with new trail and transit connections will support both the College and the surrounding community.

Bellevue College will be an active partner in advancing the Connection project. We anticipate collaborating with the City and relevant partners such as Sound Transit, King County Metro, the Washington State Department of Transportation, and the Mountains to Sound Greenway to realize the full potential of the Connection project. While state funding allocations have become constrained and remain competitive between colleges and other state agencies, we anticipate opportunities to provide limited matching funds. We understand the preliminary design/engineering phase of the concept specifically may be an important phase for contributions from local partners.

We appreciate the initiative the City of Bellevue has shown in undertaking these planning processes and improving transportation and land-use in the Eastgate I-90 area. We look forward to collaborating in the realization of the vision outlined in these projects and specifically the Bellevue College Connection.

Best Regards

VP of Administrative Services

Bellevue College

Become Exceptional

"Bellevue College **Connection project has** emerged as a significant opportunity to improve vehicle, transit, bicycle, and pedestrian movement."

"Bellevue College will be an active partner in advancing the Connection Project...we anticipate opportunities to provide matching funds...."



#### "ABUNDANT ACCESS"

"Efficient, useful, attractive service for most people, to most destinations, most of the time, serving maximum ridership."

What is the vision statement for the Transit Master Plan?

#### GOAL STATEMENTS

- Convenient
- Frequent
- Efficient
- Simple
- Direct
- Regionally-Connected

What does the TMP seek to achieve over time?

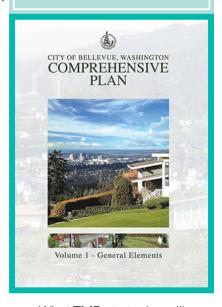
## MARKET DRIVEN STRATEGIES

Service-Oriented Strategies

Capital-Oriented Strategies

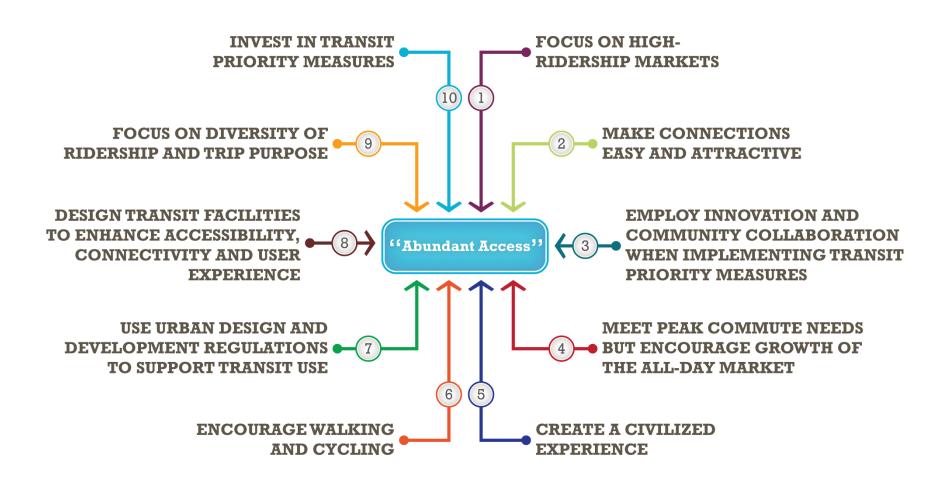
What are the strategies guiding the city's advocacy and actions?

## COMPREHENSIVE PLAN UPDATE

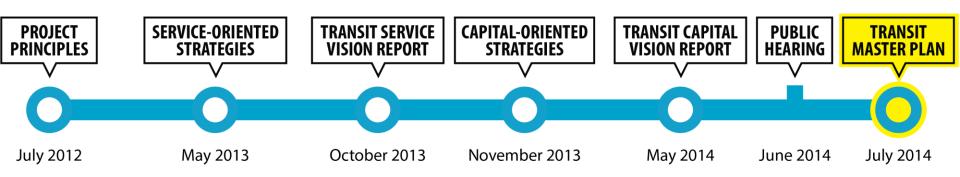


What TMP strategies will inform the Comprehensive Plan Update process?

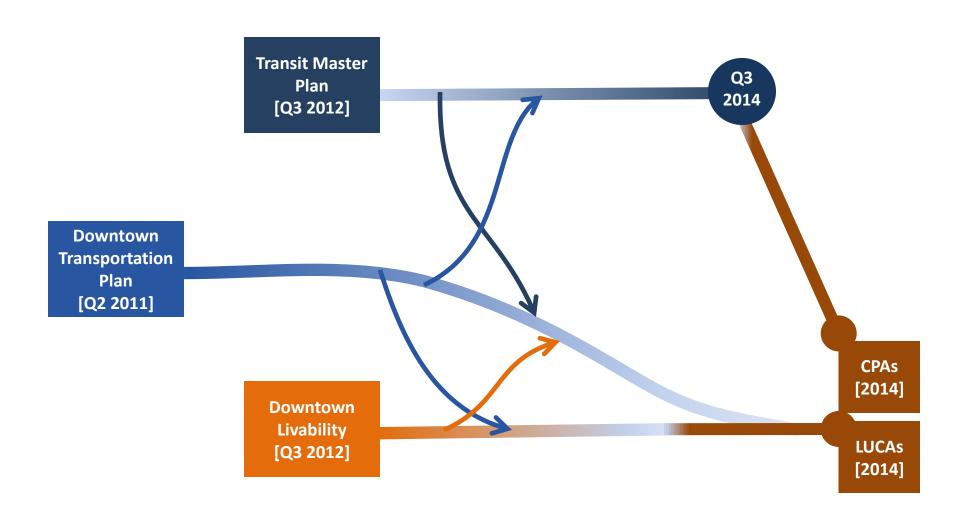




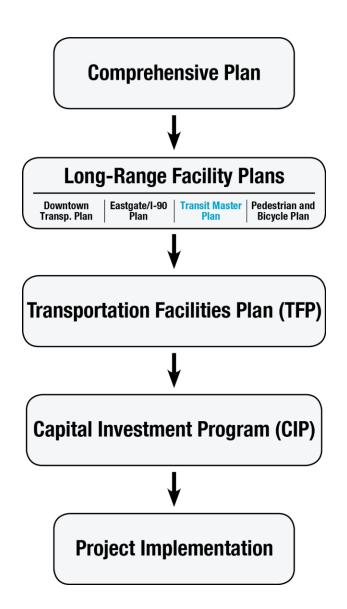












TMP projects are conceptual and the final details of design will be developed as the projects proceed further along in the implementation process.



- King County Service Reduction Proposals: The TMP informed recent communications to King County urging the County to maintain the frequency, span, and coverage of three routes in Metro's service reduction proposal (contributed to rethinking Route 235 and 245).
- **Grant Opportunities:** Metro's Route 245 corridor speed and reliability improvements proposal for consideration in the 2014 King Countywide Grant program competition.
- East Link Implementation: Related to South Bellevue Park & Ride (i) refinements made to facility to enhance bus/rail connections and (ii) contributing to assessment of potential leased-lot facilities.
- Partnership Opportunities: Strengthened relations with Bellevue College to advance the Bellevue College Connection Project (potential matching funds for design).
- Sound Transit Long-Range Plan: Bellevue College Connection Project incorporated into ST's Long-Range Plan positioning it for consideration as an ST3 project.
- King County Long Range Public Transportation Plan: Metro is seeking consultant support to develop its LRPTP (the scope includes a Service, Capital, and Policy Element).



## http://www.bellevuewa.gov/bellevue-transit-plan.htm



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