



Transportation  
Commission  
September 11  
2008

BROTS \brr-ott-ts\ *n*

**1: Bel-Red/Overlake  
Transportation Study**

2: An interlocal agreement between Bellevue and Redmond regarding land use planning, funding and construction of transportation improvements in Bel-Red/Overlake

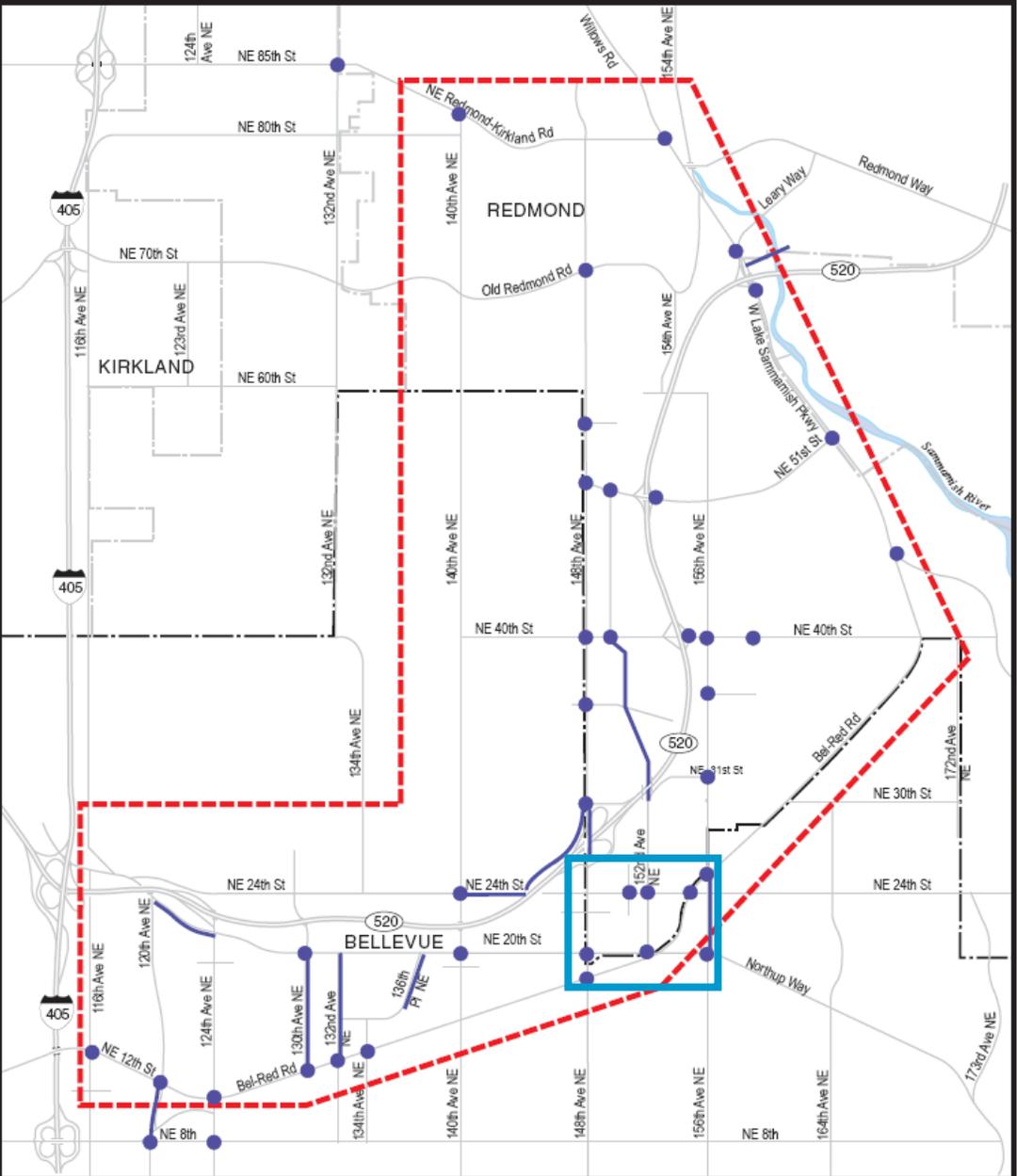
3: *see also* BROTS  
Successor Agreement

The  
definition  
of BROTS

# Current (1999) BROTS Agreement

- Approved in 1999 by Bellevue and Redmond City Councils
- Identifies transportation improvements to be jointly funded in the Bel-Red and Overlake areas:
  - 21 projects identified as Bellevue lead
  - 24 projects identified as Redmond lead
- Identifies targets for commercial land use in both cities to 2012
- 1999 BROTS expires in 2012

# 1999 BROTS The Geography and The Projects



- LEGEND**
- Study area boundary
  - City of Bellevue
  - Other city limits
  - Brots projects

Bel-Red / Overlake Transportation Study Update

Add NB and SB approach lanes. Make NB lanes left/thru/thru-right. Make SB lanes left/thru/right.

Add SB right turn lane

22.3

NE 24TH ST 56.1

53.1

Add SB RT and NB LT lanes. Provide protected phasing for NB LTs. Prohibit SB LTs.

Add 2nd WB LT and 2nd EB LT lanes.

50.1

NE 21ST ST

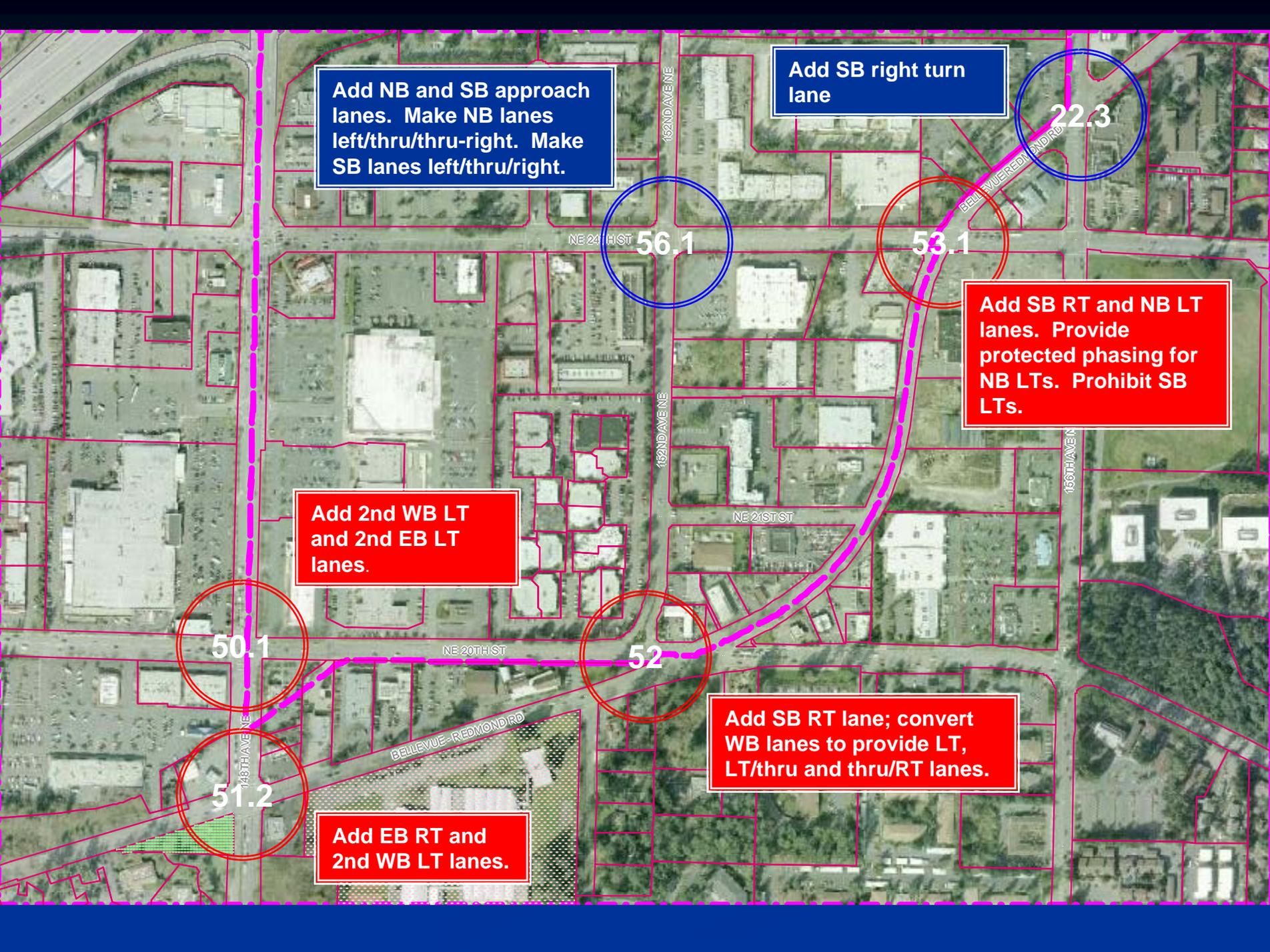
52

Add SB RT lane; convert WB lanes to provide LT, LT/thru and thru/RT lanes.

51.2

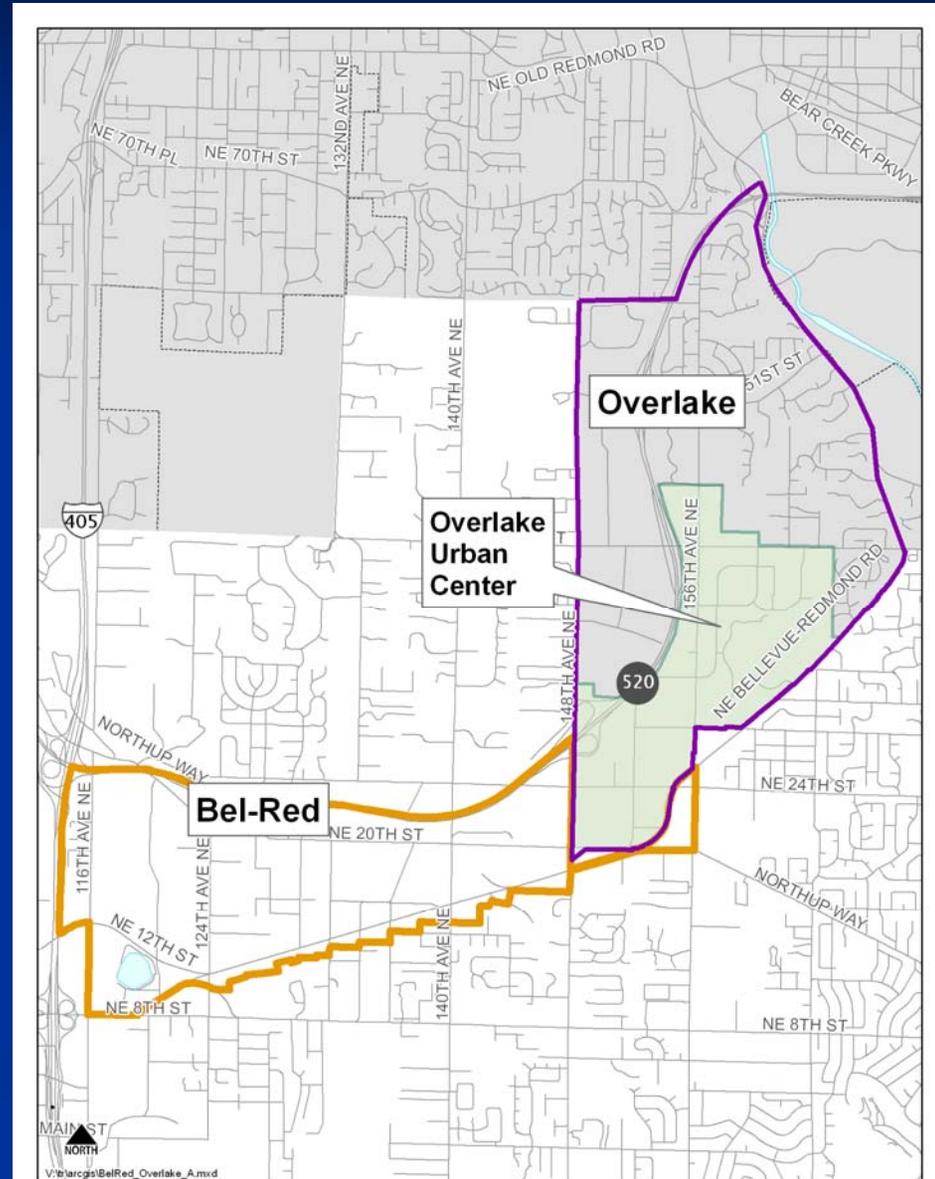
BELLEVUE-REDMOND RD

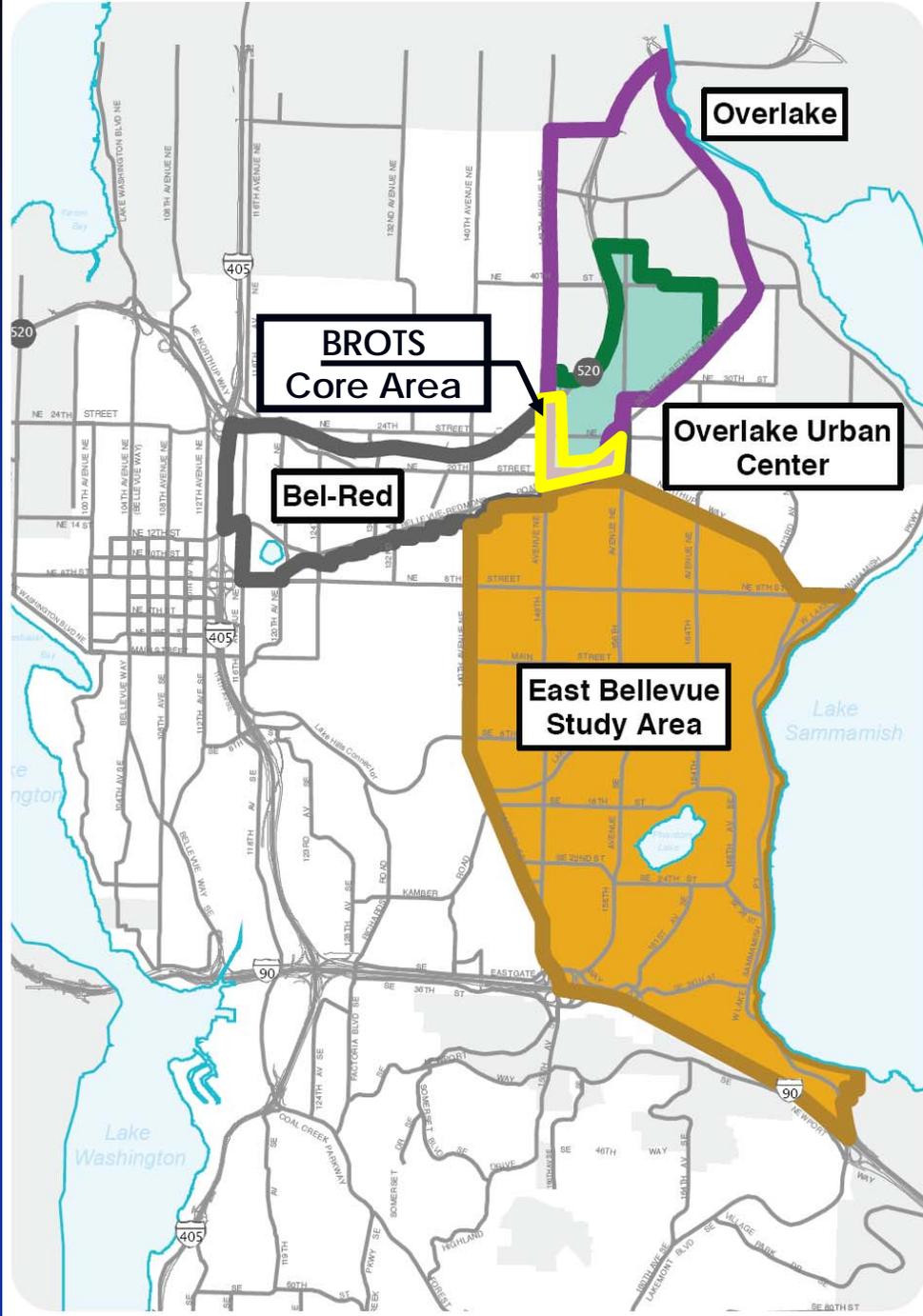
Add EB RT and 2nd WB LT lanes.



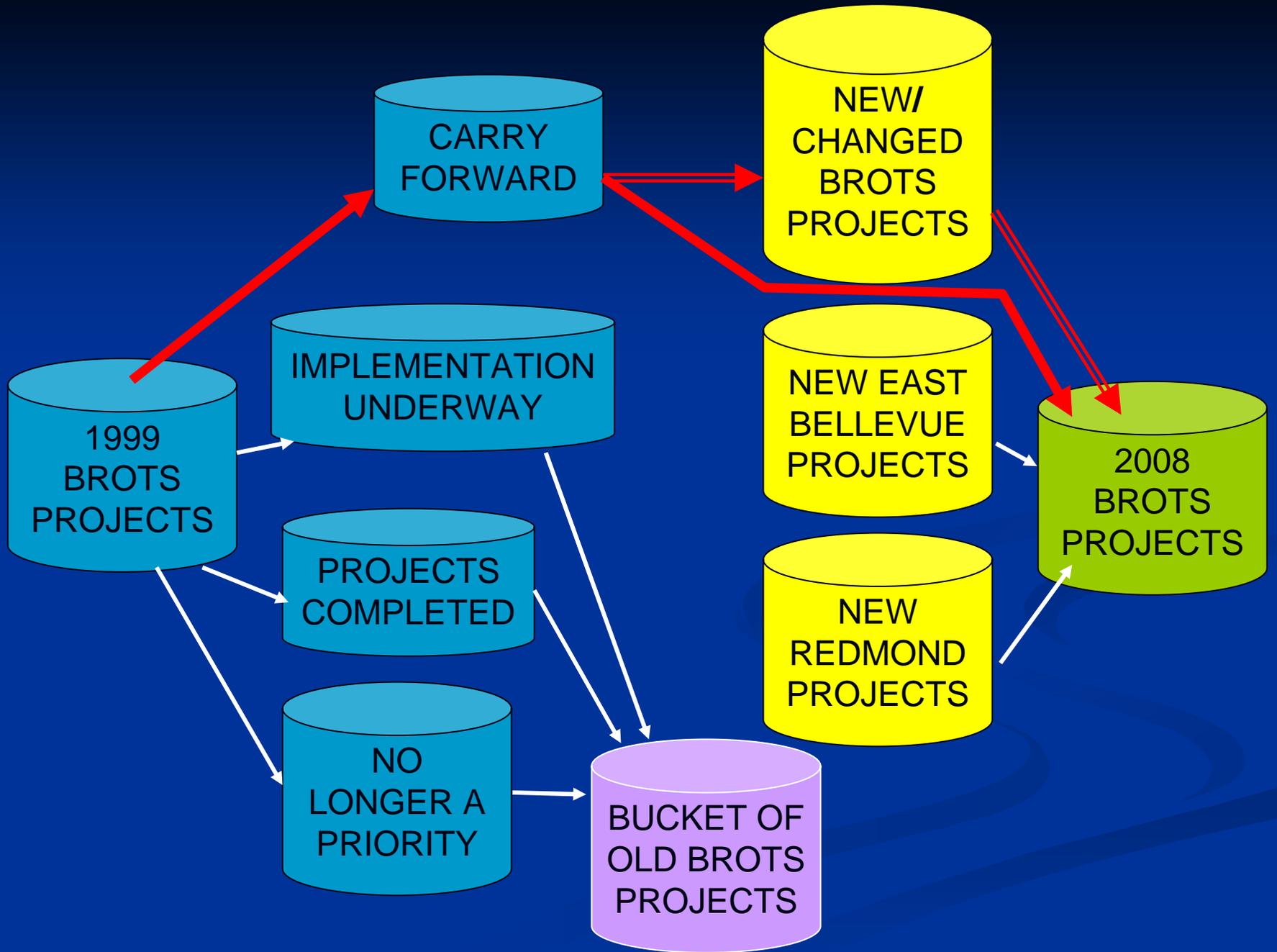
# 2008 BROTS: Planning for Growth

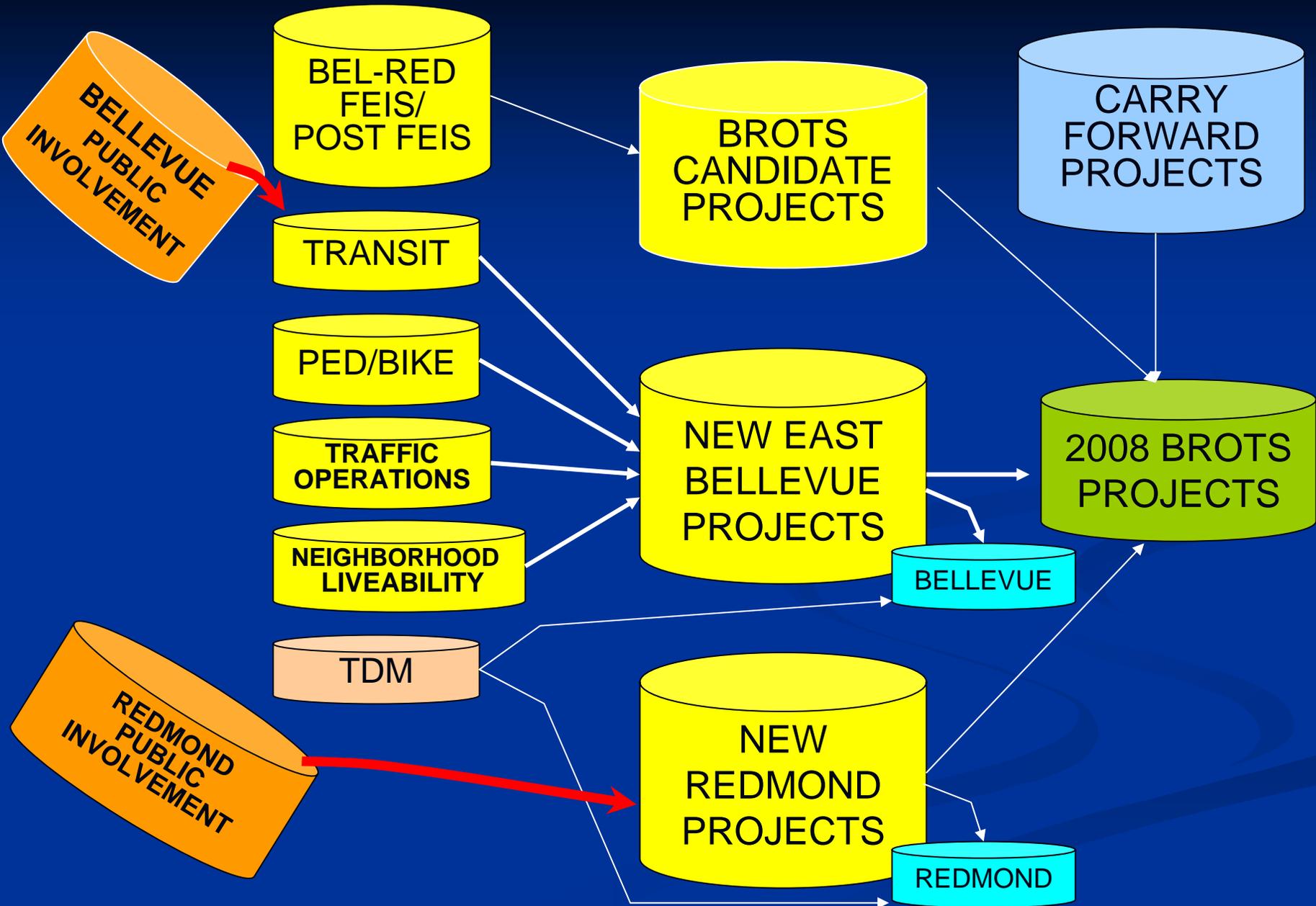
- Planning for growth in Bellevue and Redmond is linked
- Bel-Red Corridor
- Overlake Neighborhood Plan
- BROTS will consider new land use in the 2030 timeframe, and new transportation improvements





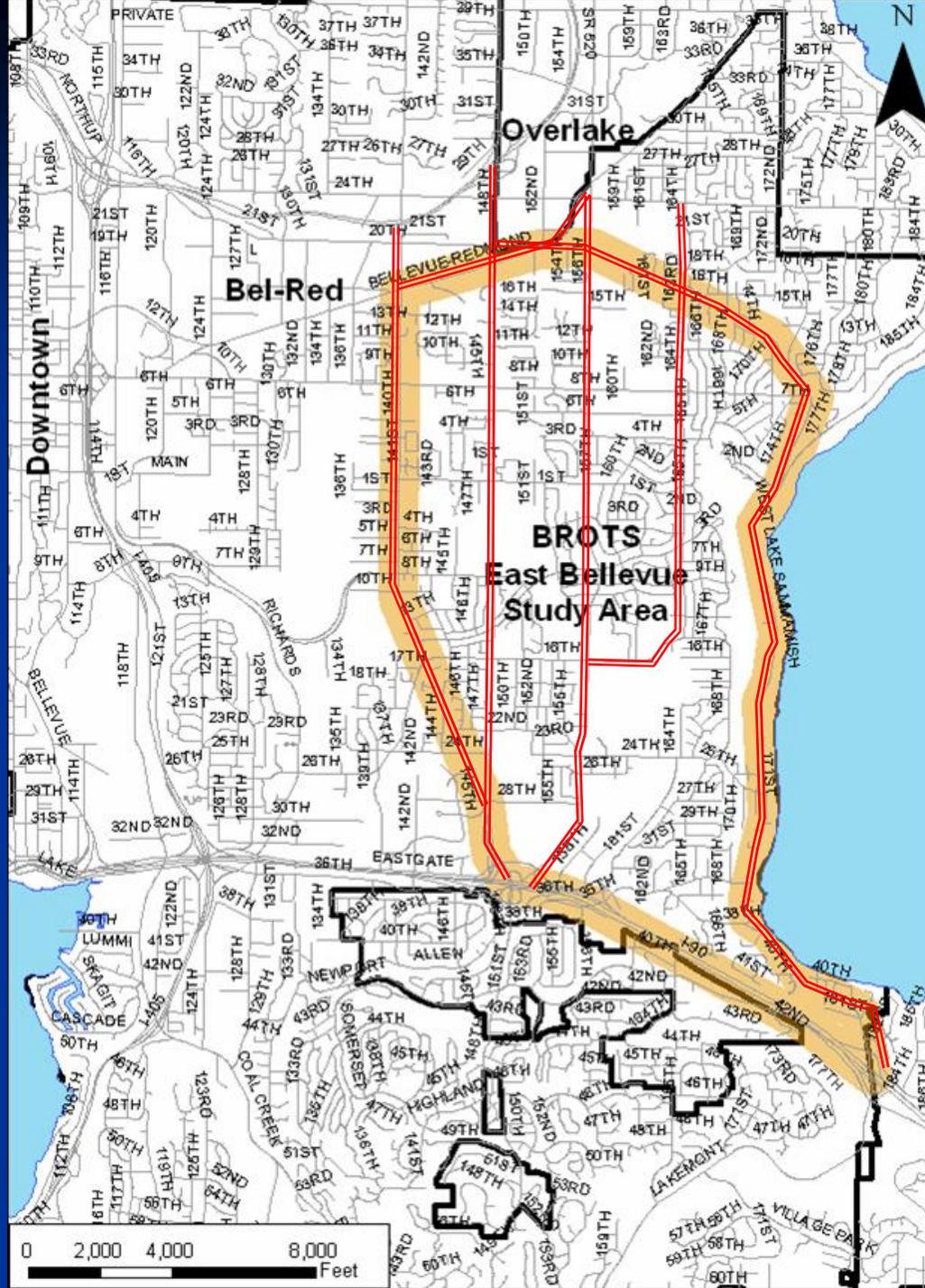
# The geography of 2008 BROS





# 2008 BROTS East Bellevue Study Area

Arterials being  
studied



# 2008 BROTS East Bellevue Transportation Improvements

## Concepts identified for transportation improvements

- Minimize peak-hour SOV trips
- Avoid road widening for general purpose traffic
- Direct “regional” trips (no destination in Bellevue or Redmond) to the regional transportation system
- Protect neighborhoods from through traffic impacts

# 2008 BROTS East Bellevue

## What's being considered?

**Transit** – comprehensive and reliable transit service between I-90 and Overlake

**Transportation Demand Management (TDM)** – reducing single-occupant vehicle commuter trips

**Non-motorized Transportation** – improve sidewalks and bicycle facilities

**Channelization/Operations** – spot improvements and signal technology to help roadways function more efficiently

**Neighborhood Livability** - improve neighborhood amenities such as traffic calming, streetscape/landscape and gateways

# Bus Rapid Transit (BRT)

- BRT performance advantages over SOV
- Synch up with local transit and with planned transit improvements (*RapidRide*)



# Potential BRT Routes

Overlake Transit Center

Redmond

Recommended Routing 

Alternative Routing 

152nd Ave

156th Ave

Bellevue-Redmond *RapidRide*

NE 8th Street

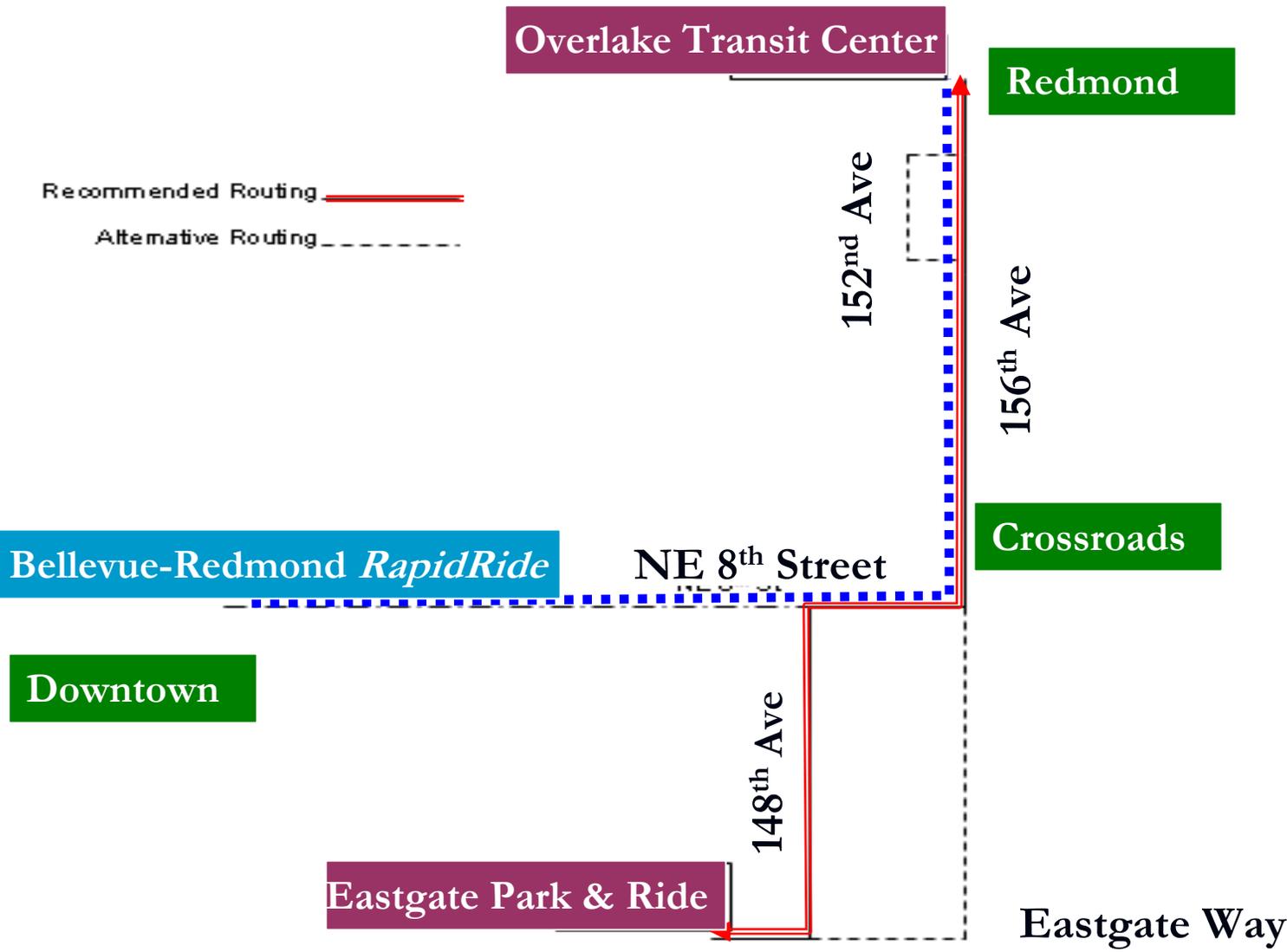
Crossroads

Downtown

148th Ave

Eastgate Park & Ride

Eastgate Way



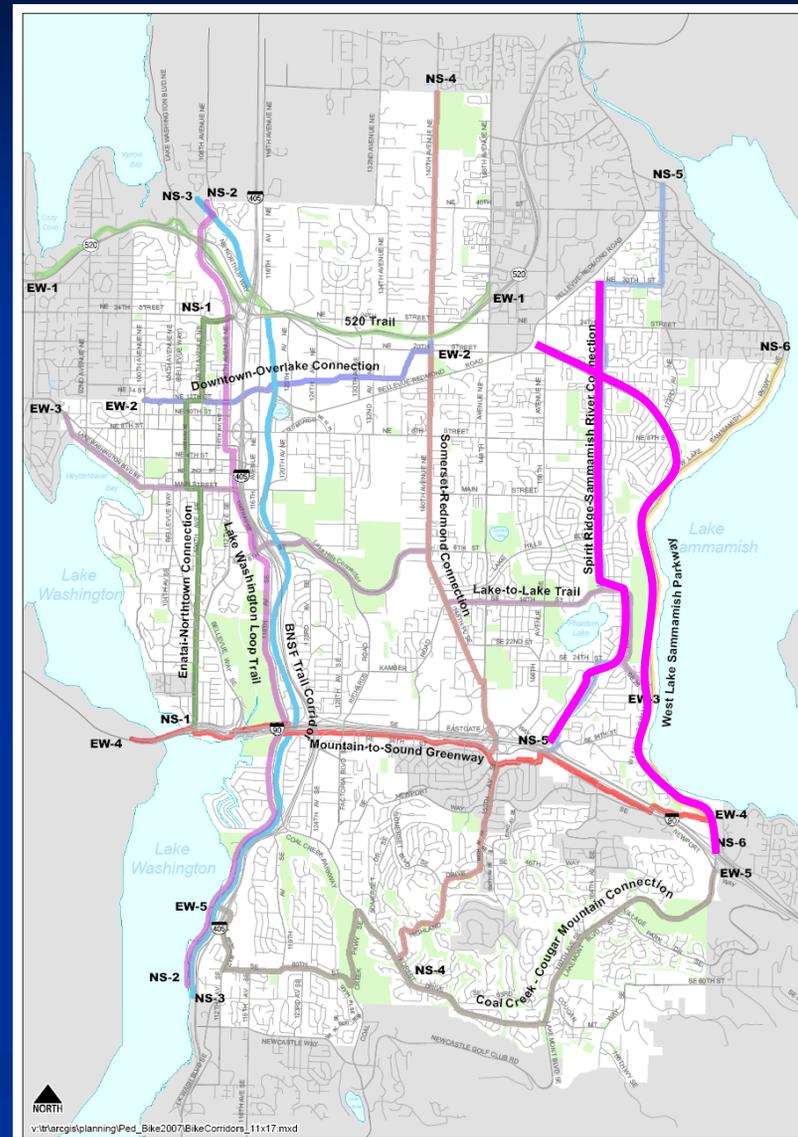
# Transportation Demand Management

Reduce SOV trips during the peak hour:

- TDM strategies:
  - Incentives: flex-time, telecommuting, transit pass
  - Disincentives: parking charges, parking supply
- Expand City's current successful TDM efforts, which are focused in Downtown
- Each city will take action to meet mode split targets

# Non-Motorized Improvements

- Pedestrian and Bicycle Transportation Plan
- Complete bicycle connections
- East-west and north-south bicycle corridors
- Enhance bicycle routes between I-90 and Overlake
  - 164<sup>th</sup> Avenue
  - West Lake Sammamish Parkway



v:\m\arcgis\planning\Ped\_Bike\2007\BikeCorridors\_11x17.mxd

City of Bellevue  
IT Department  
GIS Services

Plot Date: 3/17/2008

City of Bellevue  
**Bicycle Corridors**

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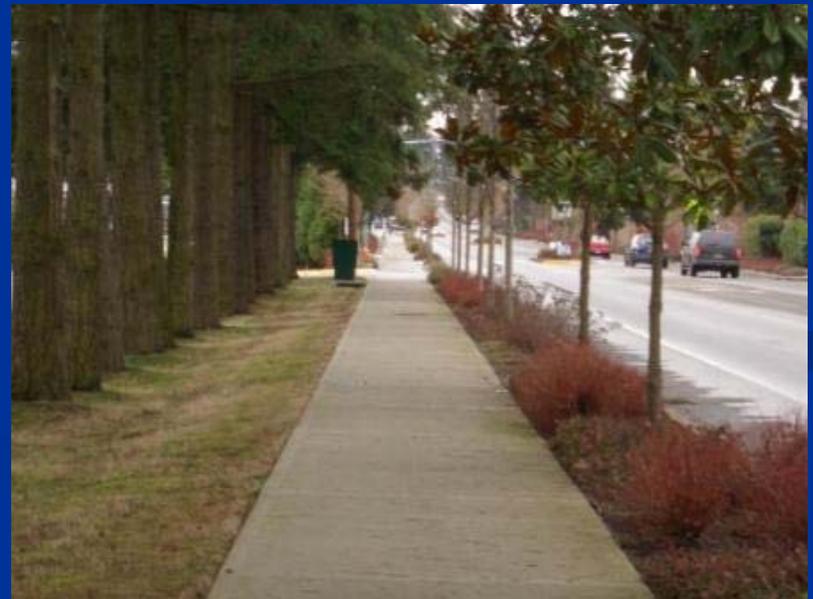
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# Channelization/Operation

- Focus on more efficient use of roadways, particularly 148<sup>th</sup> Avenue NE
  - Potential signal timing changes
  - More analysis needed to determine impacts, benefits, costs of options

# Neighborhood Livability

- Reduce neighborhood impacts and improve neighborhood amenities
  - Neighborhood traffic calming
  - Streetscape/gateways
  - Other types of neighborhood projects



# 2008 BROTS East Bellevue

## What's NOT being considered?

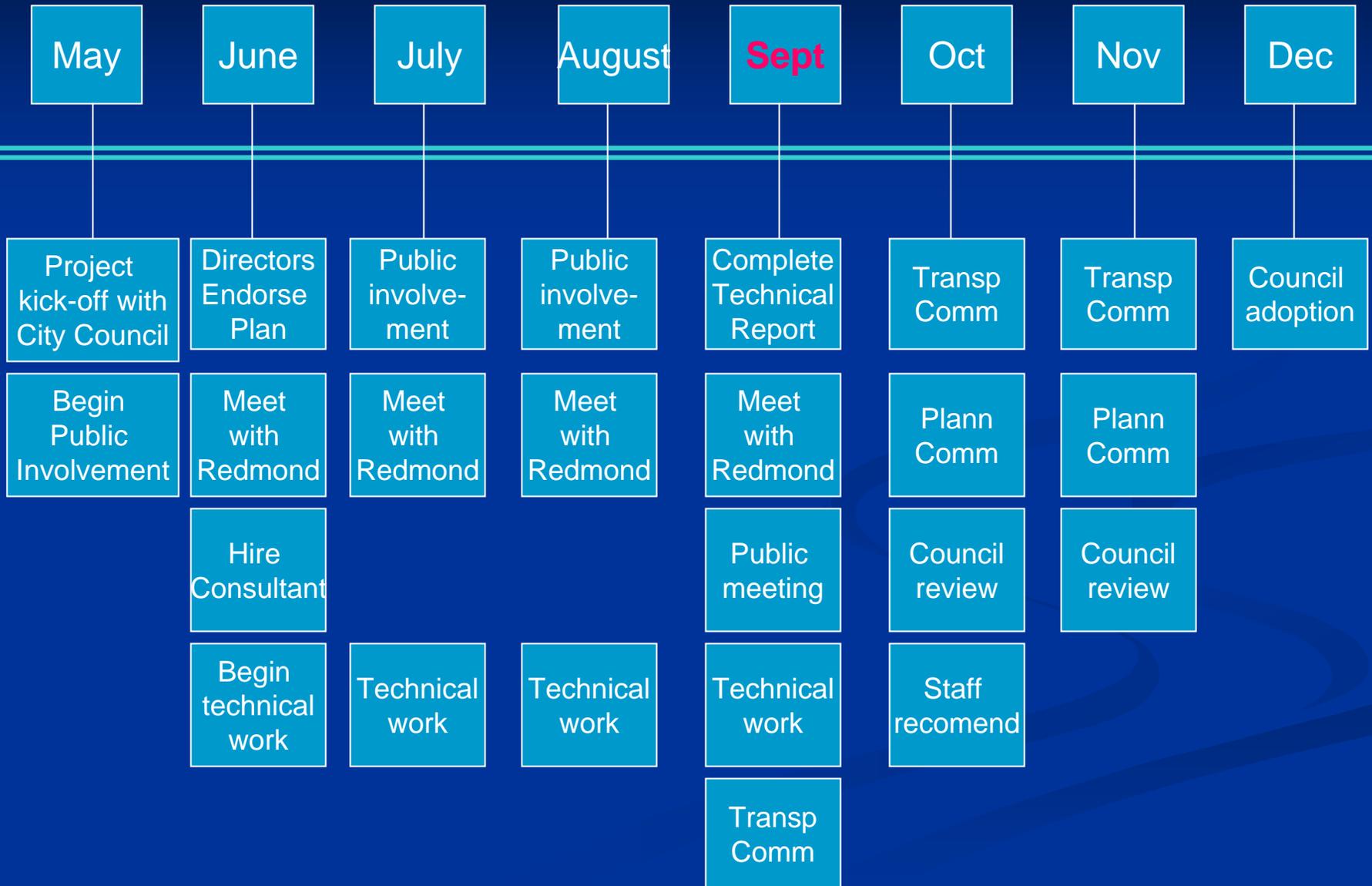
**Roadway widening** – no new general purpose or HOV lanes, minor widening for transit could be possible.

**Elevated transit** – any transit alternative would be accomplished at the same grade as the roadway

**Prohibited southbound thru traffic on 156th and 164th** – all current travel movements would be maintained, although traffic calming projects could be installed

**Reversible lane on 148th** – a reversible lane would not be considered for either general purpose or HOV/transit traffic

# 2008 BROTS Timeline



# 2008 BROTS East Bellevue Focus Groups

## Questions:

1. What's it like to travel around east Bellevue—by any means—for your job, to do errands, or for recreation or other activities?
2. What projects, or combinations of projects, do you think would make the biggest difference?
3. What transportation projects – in any of the categories – would be your top priority?

# 2008 BROTS East Bellevue Focus Groups

## 1. What's it like out there?

- General Congestion
  - 148<sup>th</sup> Avenue
  - West Lake Sammamish Parkway
- Transit
  - Congestion hurts time of travel
  - Inadequate transit facilities and service
- Pedestrian/Bicycle
  - 164th Avenue and 140th Avenue are pretty good for bikes
  - Sidewalks and bike facilities are discontinuous
- Traffic behavior
  - Speeding and aggressive driving
  - Cut-through on east/west streets

# 2008 BROTS East Bellevue Focus Groups

## 2. What should we do about it?

- Traffic Flow
  - Signal optimization
  - "Carrots" and "sticks"
- Transit
  - BRT on 148<sup>th</sup> Avenue
- Travel Demand Management
  - Employers should do more
- Pedestrian/Bicycle
  - Improve north/south and east/west bicycle routes
- Traffic Calming
  - On arterials as well as on neighborhood streets
- Regional Projects
  - Freeway improvements

# 2008 BROTS East Bellevue Focus Groups

## 3. What are your top priorities?

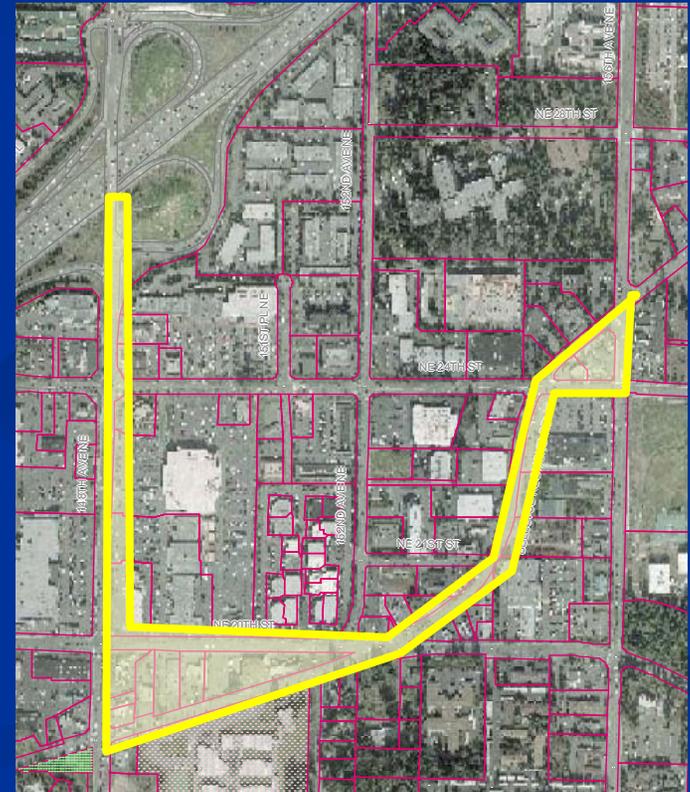
- Improve transit service
  - For commuters during peak hours
  - For local trips
- Improve pedestrian and bicycle facilities and connections
- Implement traffic calming on arterials and on neighborhood streets
- Encourage aggressive TDM strategies
- Enforce posted speed limits

# 2008 BROTS

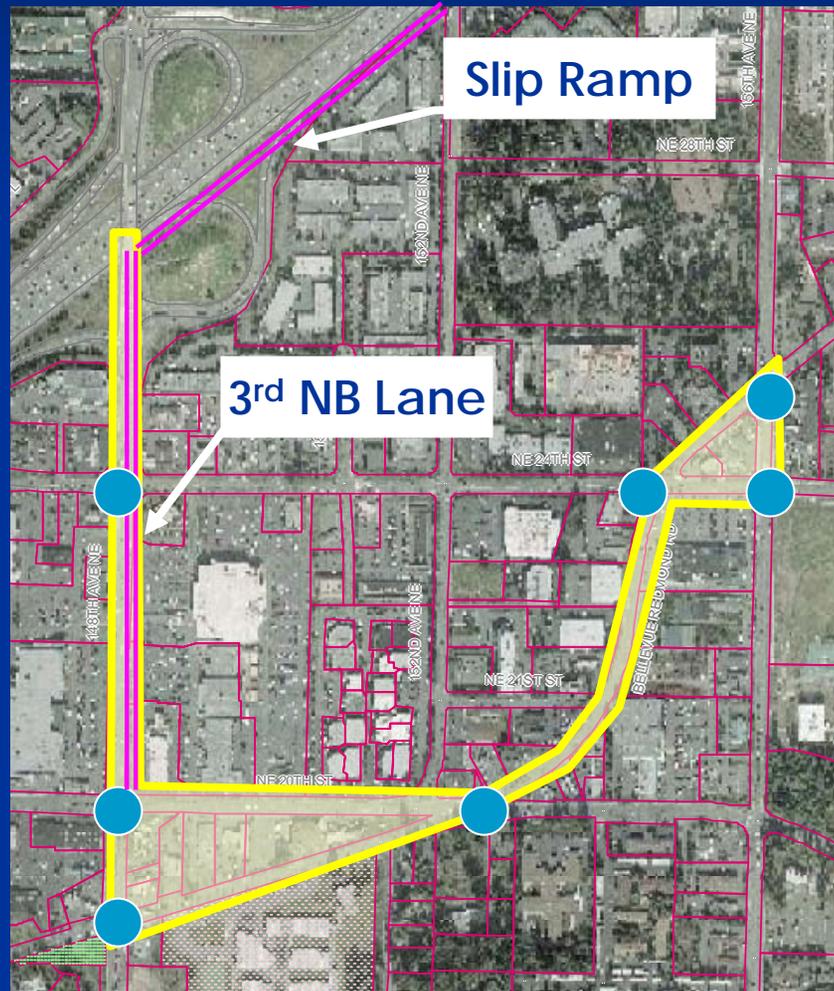
## Bellevue/Redmond Staff

Workshop #1: September 2

- Geography:  
BROTS "Core Area"
- Objective:  
Achieve consensus  
on project list and scope



# 2008 BROTS Bellevue/Redmond Staff



Candidate  
2008 BROTS  
projects

# 2008 BROTS

## Bellevue/Redmond Staff

Workshop #2: September 25

Objective:

- Discuss project definitions under three scenarios:
  - Baseline intersection modifications only (no 3rd NB lane on 148th, no slip ramp)
  - Assumption #1 (3rd NB lane with applicable intersection modifications, no slip ramp/I/C reconfiguration)
  - Assumption #2 (3rd NB Lane with applicable intersection modifications on 148th, with slip ramp/I/C reconfiguration)

# 2008 BROTS

## Public Involvement

- **Focus Groups**

- Staff: August 6

- General Public: August 20, 27

- **Community Meeting: September 17**

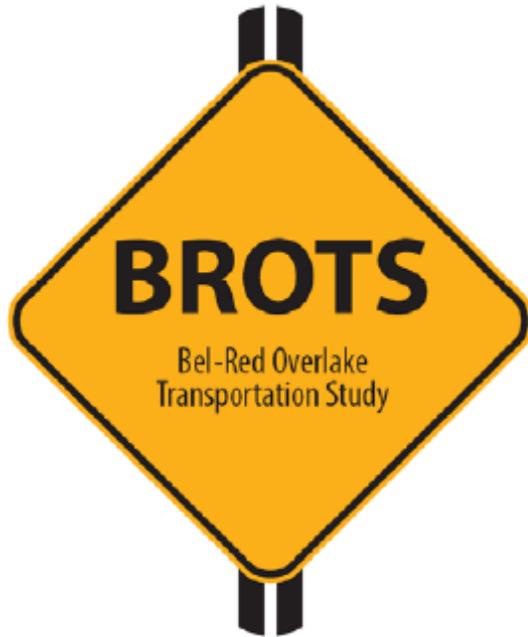
- **Boards and Commissions** review of TFP amendments (Fall 2008)

- **City Council** review and adoption (December 2008)

# 2008 BROTS Transportation Commission

- Include BROTS project descriptions in TFP (2009-2020 or subsequent) that may be new or updated from existing project descriptions
- Include 2008 BROTS projects in Comprehensive Plan – East Bellevue Transportation Facility Plan

Please visit the BROTS website:  
<http://www.bellevuewa.gov/brots.htm>



*You're Invited . . .*  
to a  
**Bel-Red Overlake  
Transportation Study  
(BROTS)  
Open House**

In the last month or so, we've heard from many of you about the challenges you face in getting around in east Bellevue at certain times of the day, and also your many good ideas on how to manage traffic congestion and improve the livability of east Bellevue neighborhoods. Now we would like to share our preliminary ideas for transportation projects that address some of your concerns.

At this Open House we are seeking your response to transportation improvement ideas in east Bellevue. We hope you are able to join us:

**Wednesday, September 17, 2008  
5:00 pm - 7:00 pm  
(There will be a presentation at 5:30)  
Bellevue City Hall  
450-110th Avenue NE  
Council Chambers, 1E-126**