BELLEVUE
PEDESTRIAN
& BICYCLE
IMPLEMENTATION INITIATIVE

Bellevue Pedestrian & Bicycle Implementation Initiative

Transportation Commission
March 24, 2016

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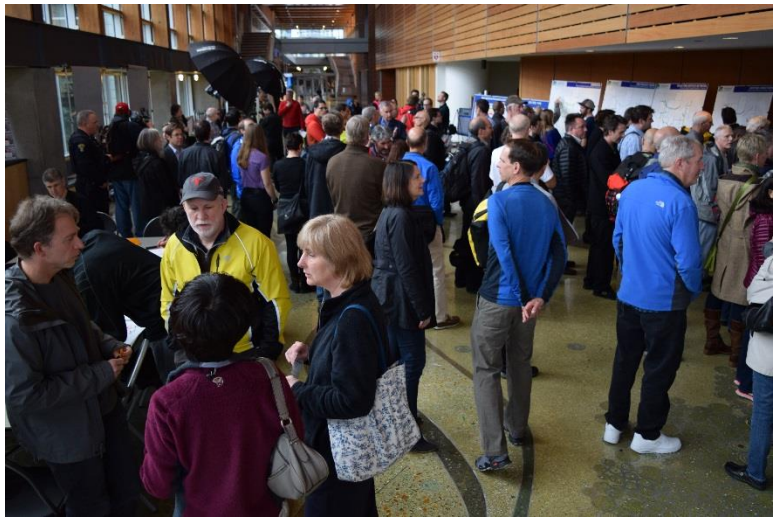
City of Bellevue

1) 3/23/16 Open House
2) Installation Cost Estimates
3) O&M Cost Estimates
4) Prioritization
5) Next Steps

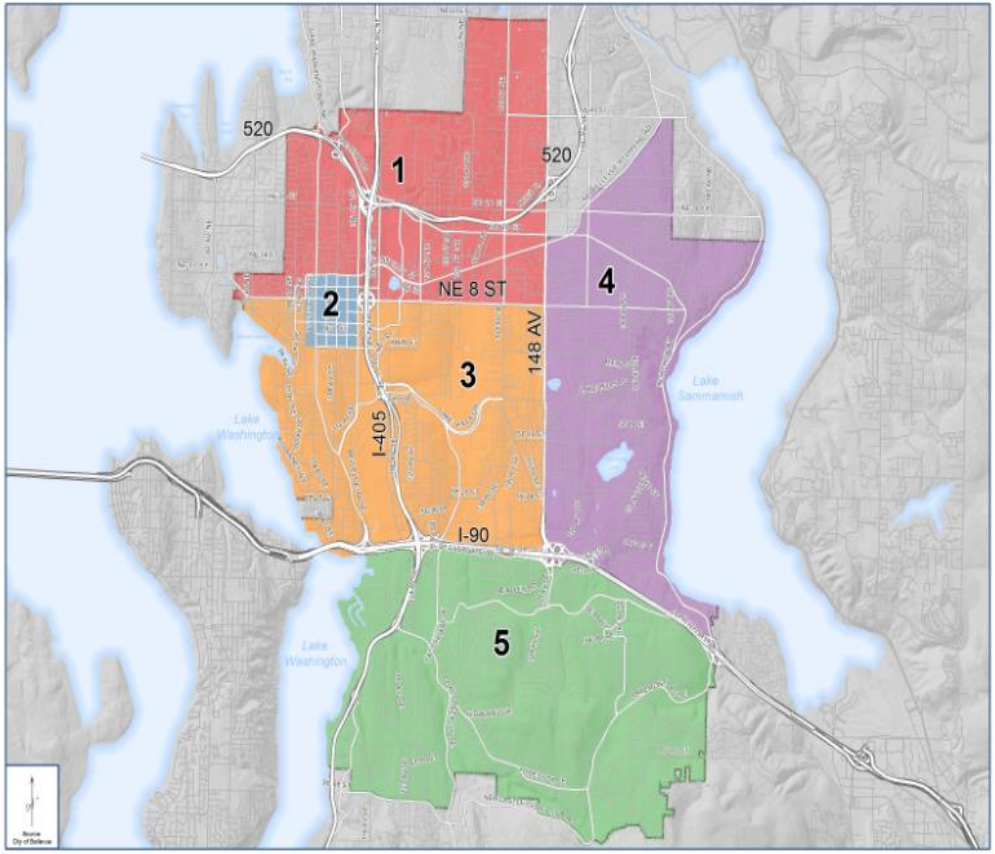
BELLEVUE PEDESTRIAN & BICYCLE IMPLEMENTATION INITIATIVE

Tonight's Agenda

Bicycle Open House (3/23/16)



Bicycle Open House (3/23/16)

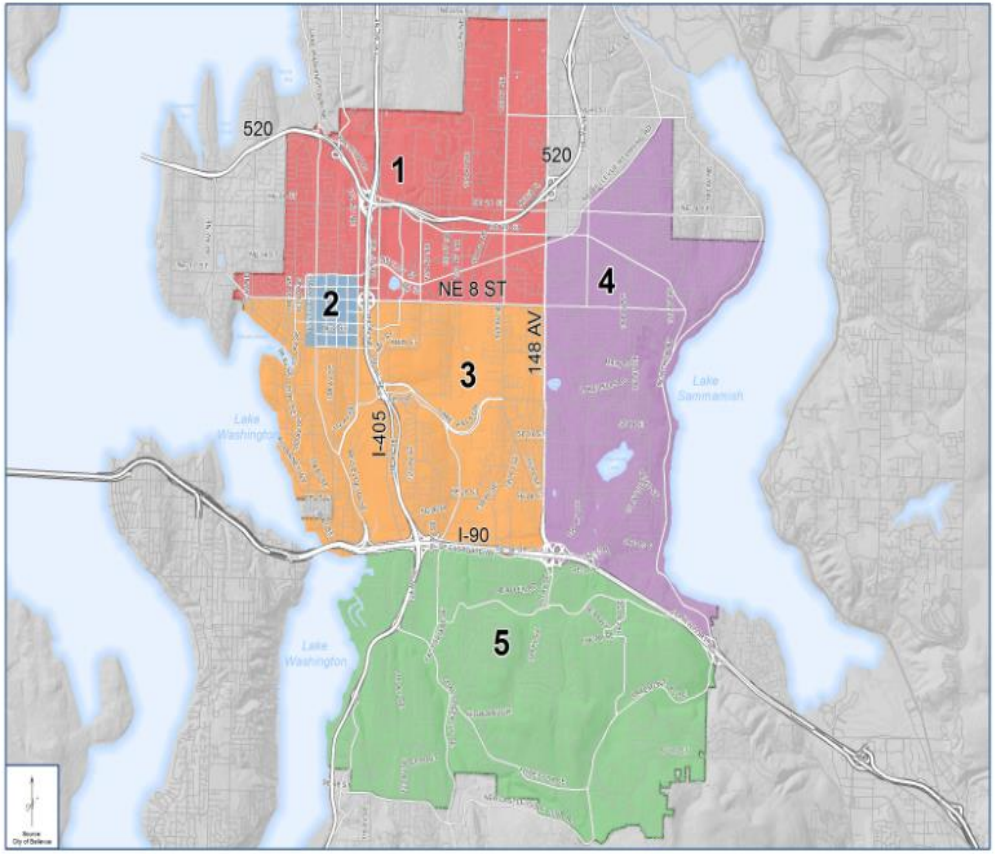


Where do you live? (Multiple Choice)

	Responses	
	Percent	**Count**
Zone 1	10.94%	14
Zone 2	8.59%	11
Zone 3	21.88%	28
Zone 4	9.38%	12
Zone 5	21.09%	27
None of the above	28.12%	36
Totals	**100%**	**128**

6. None of the above

Neighborhood Leadership Gathering (2/23/16)



Where do you live? (Demographic Assignment)

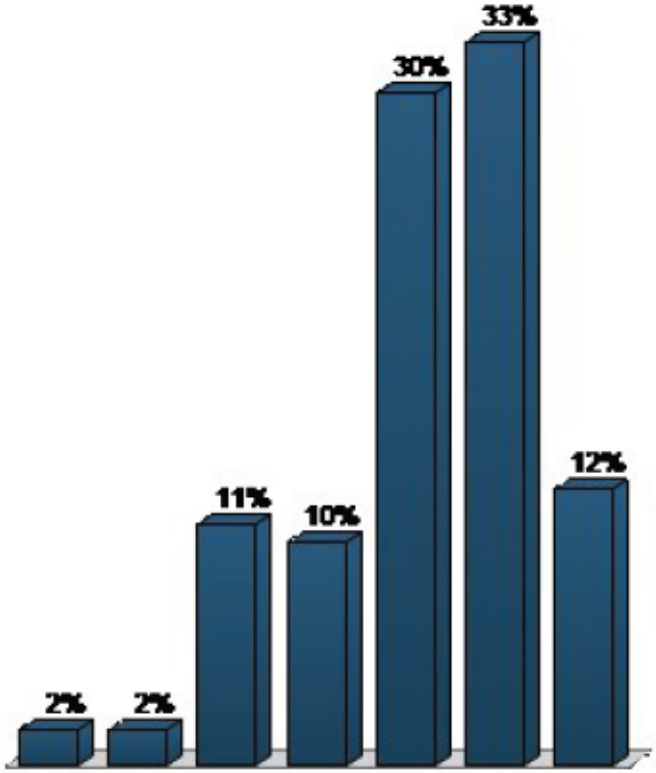
	Responses	
	Percent	**Count**
Zone 1	19.57%	18
Zone 2	16.3%	15
Zone 3	29.35%	27
Zone 4	15.22%	14
Zone 5	15.22%	14
None of the above	4.35%	4
Totals	**100%**	**92**

6. None of the above

Bicycle Open House (3/23/16)

How old are you? (Multiple Choice)

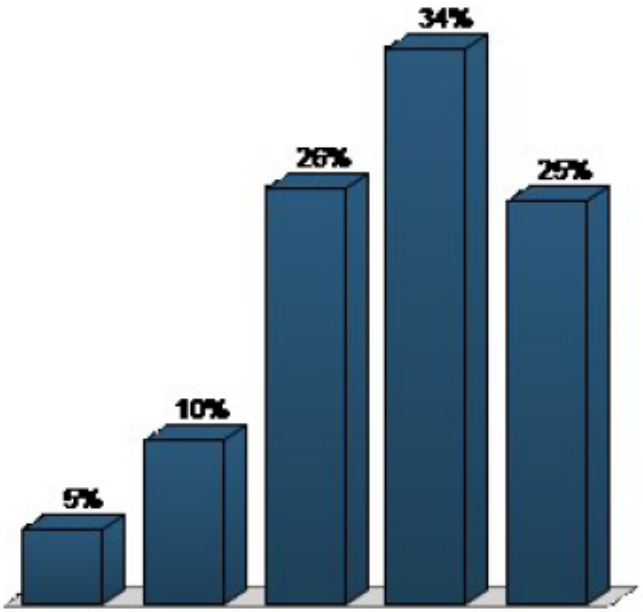
	Responses	
	Percent	**Count**
Under 16	1.56%	2
16 - 24	1.56%	2
25 – 34	10.94%	14
35 - 44	10.16%	13
45 – 54	30.47%	39
55 – 64	32.81%	42
64 +	12.5%	16
Totals	**100%**	**128**



Bicycle Open House (3/23/16)

How often do you bicycle in Bellevue? (Multiple Choice)

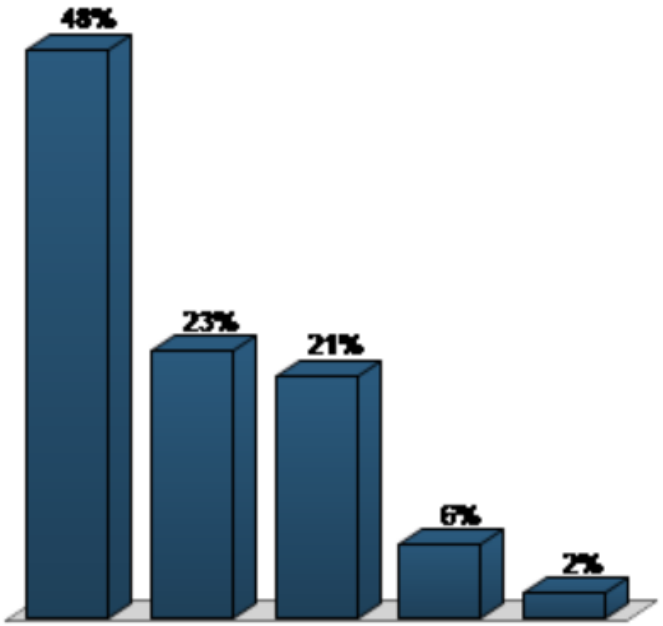
	Responses	
	Percent	**Count**
Never!	4.69%	6
Rarely	10.16%	13
Sometimes	25.78%	33
Often	34.38%	44
All the time!	25%	32
Totals	**100%**	**128**



Neighborhood Leadership Gathering (2/23/16)

How often do you bike in Bellevue? (Multiple Choice)

	Responses	
	Percent	**Count**
Never!	48.45%	47
Rarely	22.68%	22
Sometimes	20.62%	20
Often	6.19%	6
All the time!	2.06%	2
Totals	**100%**	**97**

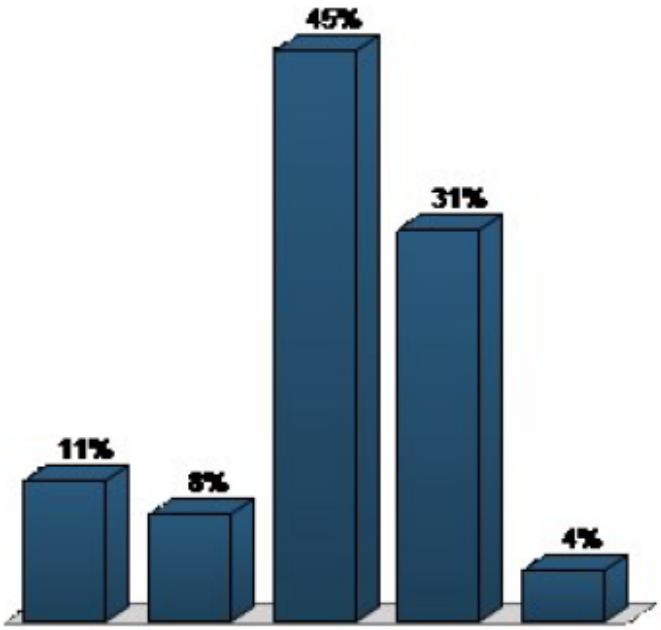


Bicycle Open House (3/23/16)

SELECT YOUR TOP 2 THAT APPLY

What would prompt you to bicycle more? (Multiple Choice - Multiple Response)

	Responses	
	Percent	**Count**
Slower traffic	11.11%	25
Fewer vehicles	8.44%	19
More separation of bikes from cars	45.33%	102
More traditional bike lanes	31.11%	70
Other	4%	9
Totals	**100%**	**225**

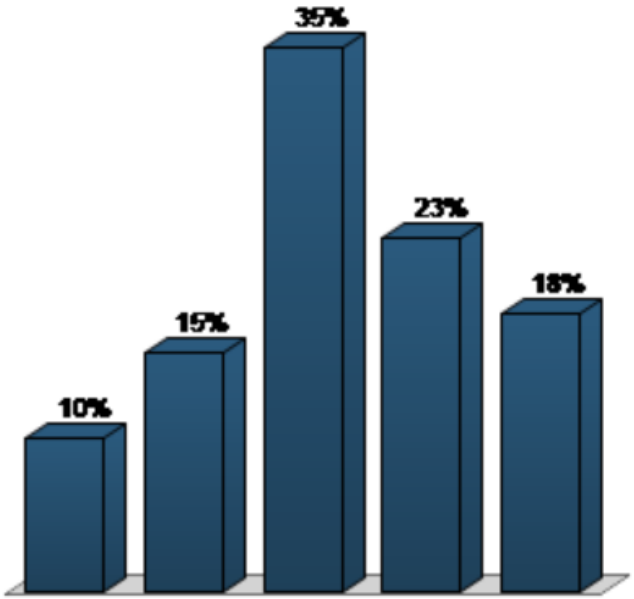


Neighborhood Leadership Gathering (2/23/16)

SELECT YOUR TOP 2 THAT APPLY

What would prompt you to bike more? (Multiple Choice - Multiple Response)

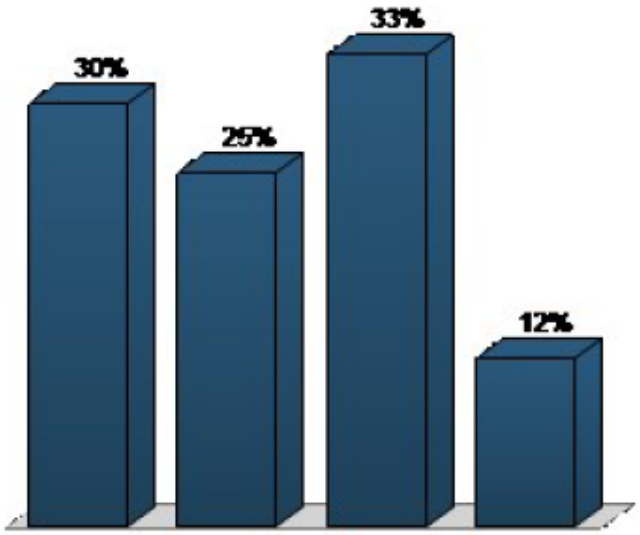
	Responses	
	Percent	**Count**
Slower traffic	9.76%	16
Fewer vehicles	15.24%	25
More separation of bikes from cars	34.76%	57
More traditional bike lanes	22.56%	37
Other	17.68%	29
Totals	**100%**	**164**



Bicycle Open House (3/23/16)

What kind of bicycle trips would you want to take? (Multiple Choice - Multiple Response)

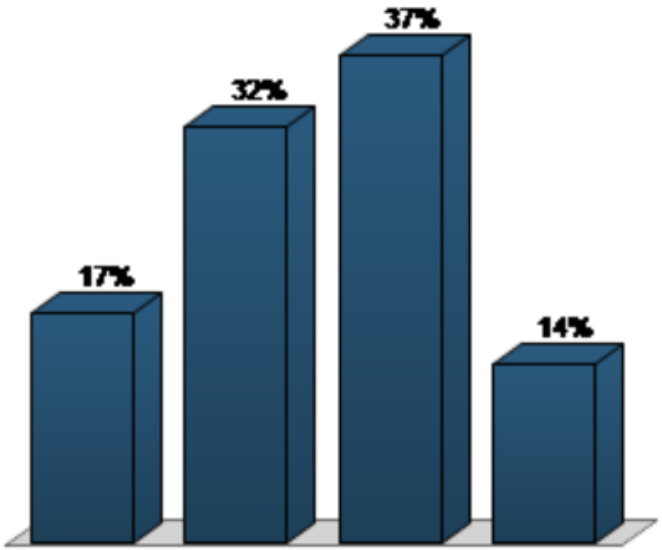
	Responses	
	Percent	**Count**
Longer trips (across town, commute to work, etc.)	29.86%	86
Shorter trips (school, local park, etc.)	25%	72
Recreational biking around neighborhood	33.33%	96
Other	11.81%	34
Totals	**100%**	**288**



Neighborhood Leadership Gathering (2/23/16)

What kind of bike trips would you want to take? (Multiple Choice - Multiple Response)

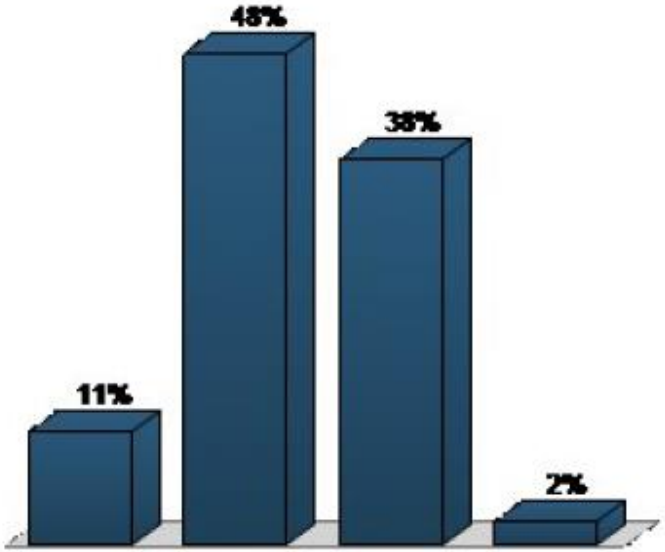
	Responses	
	Percent	**Count**
Longer trips (across town, commute to work, etc.)	17.49%	32
Shorter trips (school, local park, etc.)	31.69%	58
Recreational biking around neighborhood	37.16%	68
Other	13.66%	25
Totals	**100%**	**183**



Bicycle Open House (3/23/16)

Do you feel safe bicycling in Bellevue? (Multiple Choice)

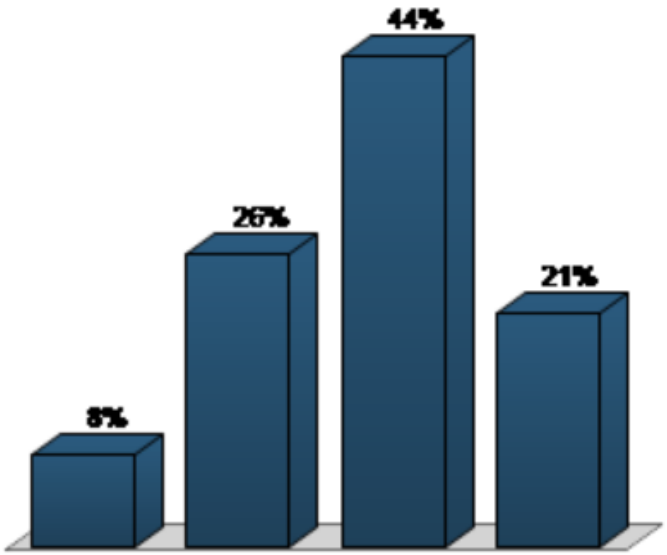
	Responses	
	Percent	**Count**
Yes	11.11%	14
Sometimes	48.41%	61
No	38.1%	48
Not applicable	2.38%	3
Totals	**100%**	**126**



Neighborhood Leadership Gathering (2/23/16)

Do you feel safe biking in Bellevue? (Multiple Choice)

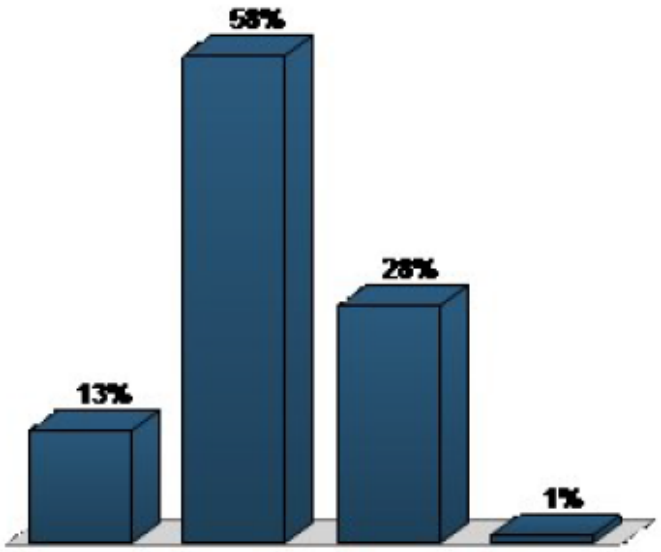
	Responses	
	Percent	**Count**
Yes	8.42%	8
Sometimes	26.32%	25
No	44.21%	42
Not applicable	21.05%	20
Totals	**100%**	**95**



What kind of a bicyclist are you?

What kind of a bicyclist are you? (Multiple Choice)

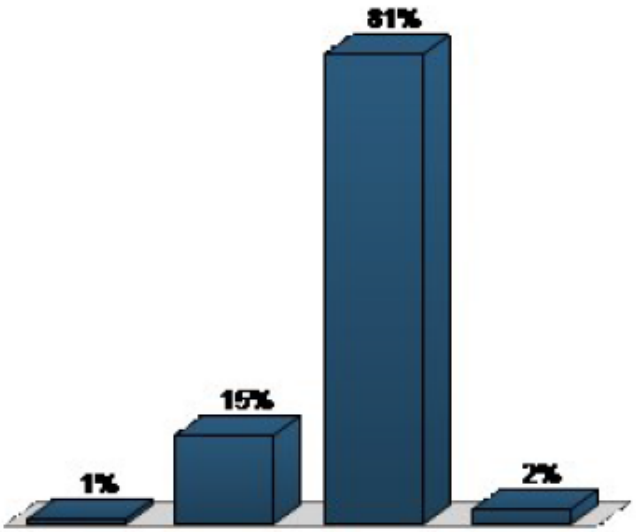
	Responses	
	Percent	**Count**
Strong & Fearless	13.28%	17
Enthusiastic & Confident	57.81%	74
Interested but Concerned	28.12%	36
No way, No how	0.78%	1
Totals	**100%**	**128**



What kind of bicyclist should we design facilities for on priority corridors in Bellevue?

What kind of bicyclist should we design facilities for on priority corridors in Bellevue? (Multiple Choice)

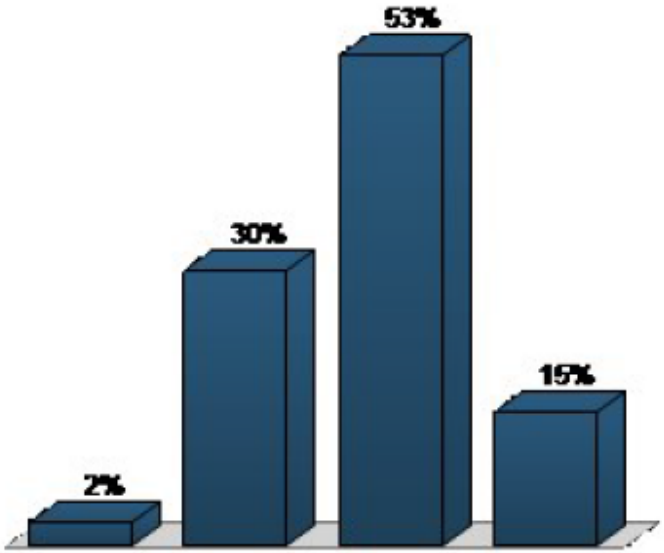
	Responses	
	Percent	**Count**
Strong and Fearless	0.81%	1
Enthusiastic & Confident	15.45%	19
Interested but Concerned	81.3%	100
No Way, No How	2.44%	3
Totals	**100%**	**123**



Which of these types of facilities would encourage you to bicycle in Bellevue?

Which of these types of facilities would encourage you to bicycle in Bellevue? (Multiple Choice)

	Responses	
	Percent	**Count**
Shared Lane Marking	2.42%	3
Bike Lane	29.84%	37
Protected Bike Lane	53.23%	66
Off-Street Path	14.52%	18
Totals	**100%**	**124**



Questions/Comments?

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Commission Discussion

Installation of green bike lanes on SE Newport Way, near 150th Ave. SE.

PBII Rapid Implementation Estimate					
Project Number:					
Date:					
Feature Inputs	**Distance**	**Unit**			
Green-Backed Sharrows		FT			
Neighborhood Greenway		FT			
Conventional Bike Lane		FT			
Separated Bike Lane/Separated Ped Path		FT	Type 1 RPM	Type 2 RPM	
Double Centerline		LF	0	0	
Single Wide Line		LF	0	0	
TWLT Stripe		LF	0	0	
Skip Stripe		LF	0	0	
Island Channelization		LF	0	0	
		Totals	**0**	**0**	

Item	**Unit**	**Quantity**	**Unit Price**	**Total Price**	**Notes/Assumptions**
4" White Paint Line	LF	0	$0.75	$0	
4" Plastic Line	LF	0	$8.00	$0	Cross hatch every 25 ft. for separated Facilities
Permanent Signs	EA	0	$200.00	$0	Assume Signs spaced every 400 ft. on bike lanes and greenways
Green Bike Lane Treatment	SF		$10.00	$0	
Green Backed Sharrows	EA	0	$350.00	$0	Assume markings used every 200 ft on average
Plastic Bike Lane Symbol or Sharrow	EA	0	$250.00	$0	Assume markings are used every 300 ft. on Bike Lanes, Greenways
Bicycle Induction Loop Symbols	EA	0	$250.00	$0	
Delineators	EA	0	$75.00	$0	Assume Delineators are used every 75 ft. on Separated Facilities
Vehicle Induction Loops (Traffic and Bicycle Loops)	EA		$750.00	$0	Includes new and relocated loops
Plastic Traffic Arrows	EA		$125.00	$0	
Raised Pavement Marker Type 1	EA	0	$4.00	$0	
Raised Pavement Marker Type 2	EA	0	$6.00	$0	
			Construction Subtotal	$0	

Removing Existing Pavement Markings (5%)	$0
Traffic Control (25%)	$0
Planning Level Estimate (10%)	$0
Roadside Cleanup (10%)	$0
Erosion Control (5%)	$0
Mobilization (10%)	$0
Construction Total	$0
Inspection Total (10% of Construction Total)	$0
Design Total (20% of the Construction Total)	$0
Contingency (10% of the Construction Total)	$0
Project Grand Total	**$0**

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Installation Cost

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Maintenance Cost

Questions/Comments?

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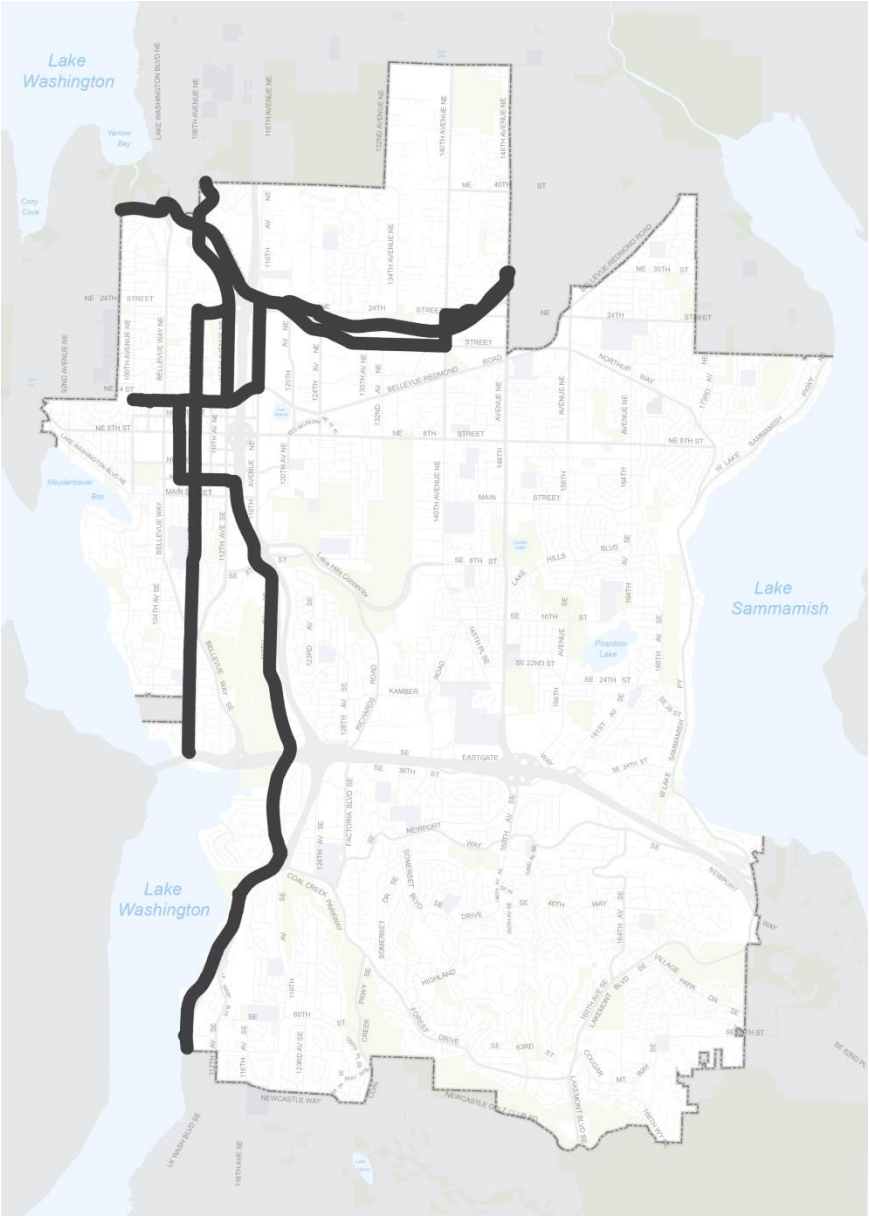
Commission Discussion

2 North-South and 2 East-West Cross-City Connections

Est. Cost: $6.1 Million



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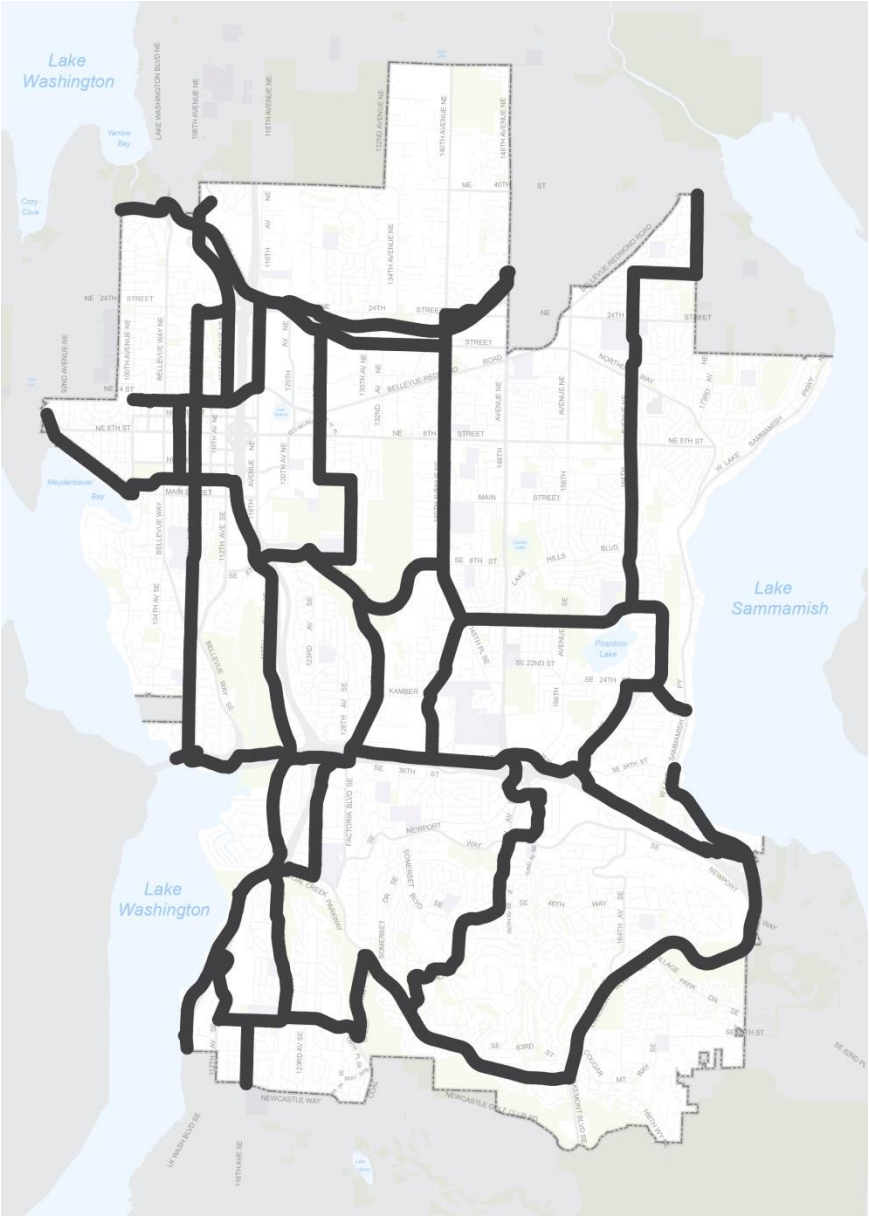
BRIP Option 1

5 North-South and 5 East-West Cross-City Connections

Est. Cost: $28.2 Million



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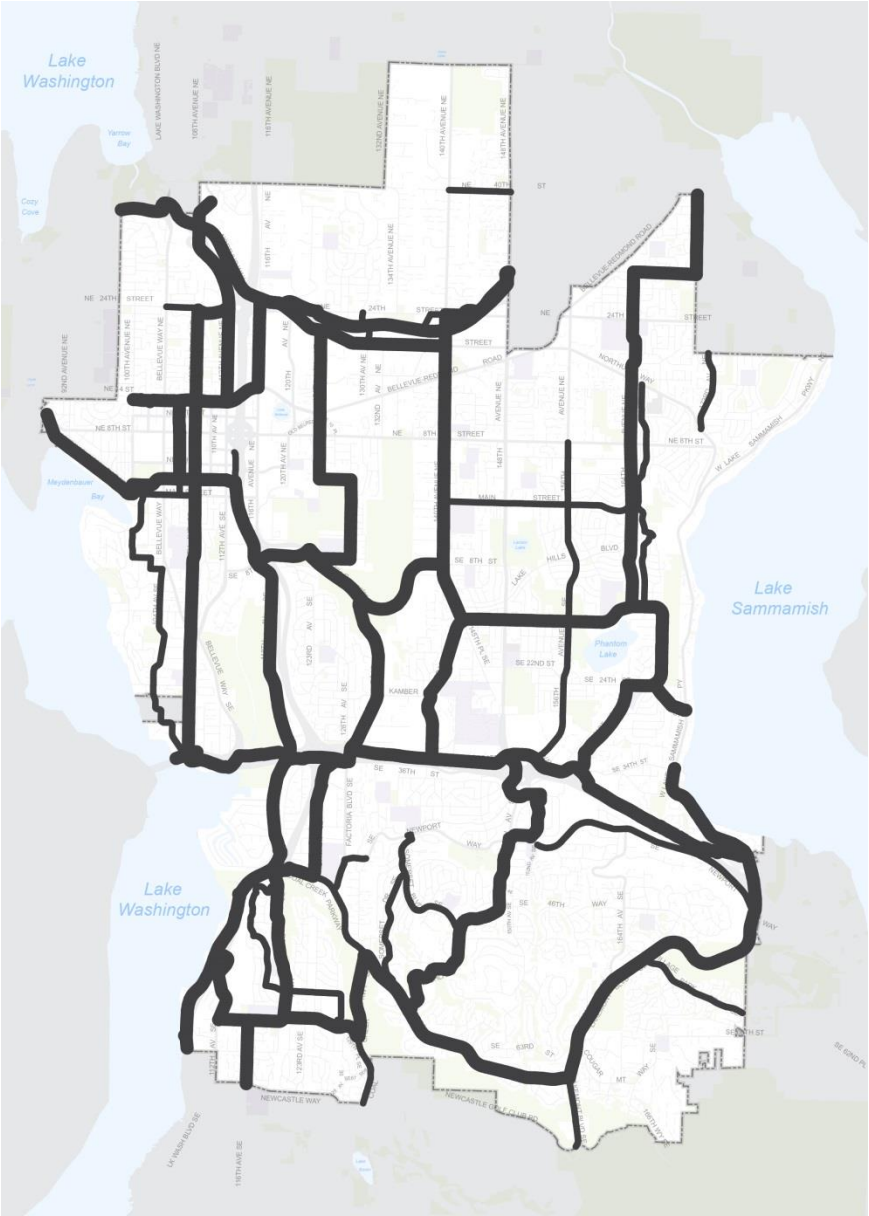
BRIP Option 2

5 North-South and 5 East-West Cross-City Connections +
17 Bicycle Network routes +
4 Neighborhood Bikeways

Est. Cost: $32.1 Million



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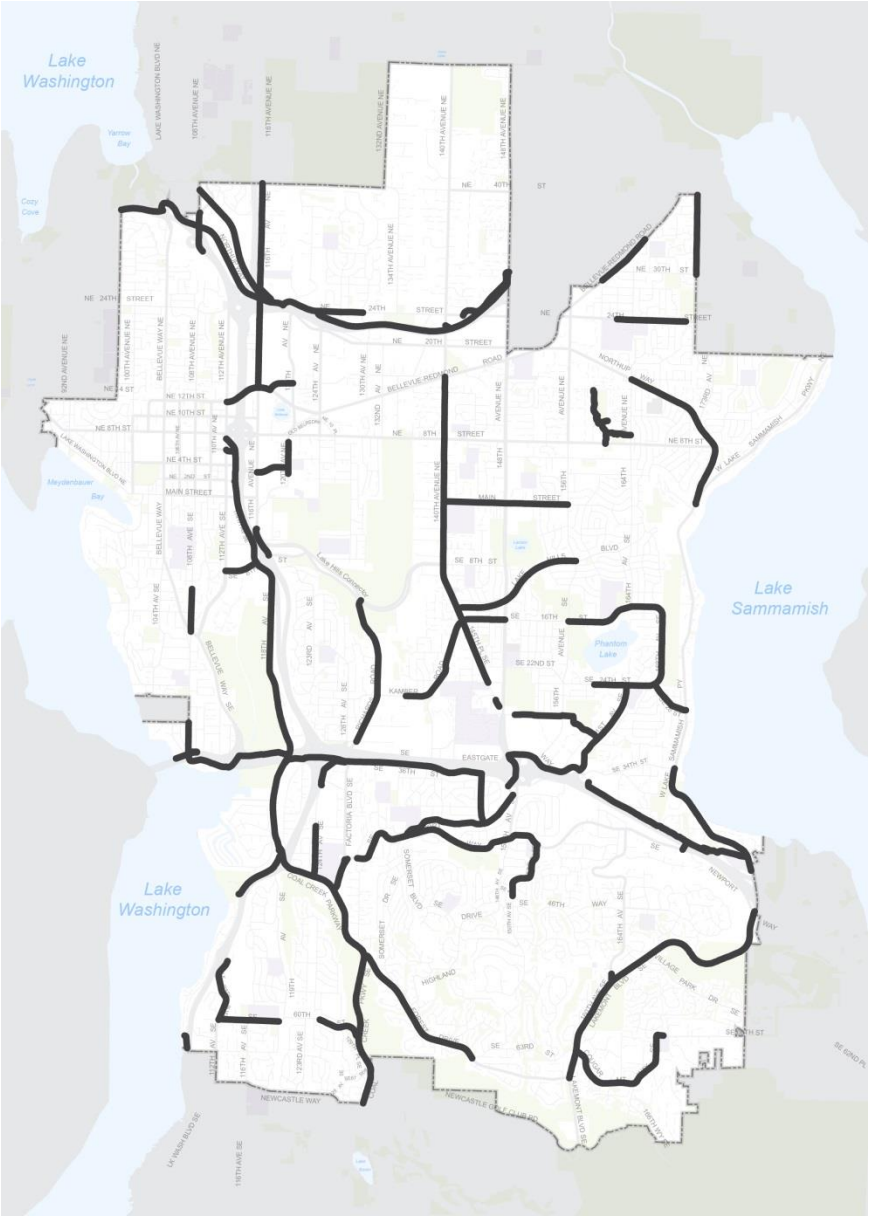
BRIP Option 3



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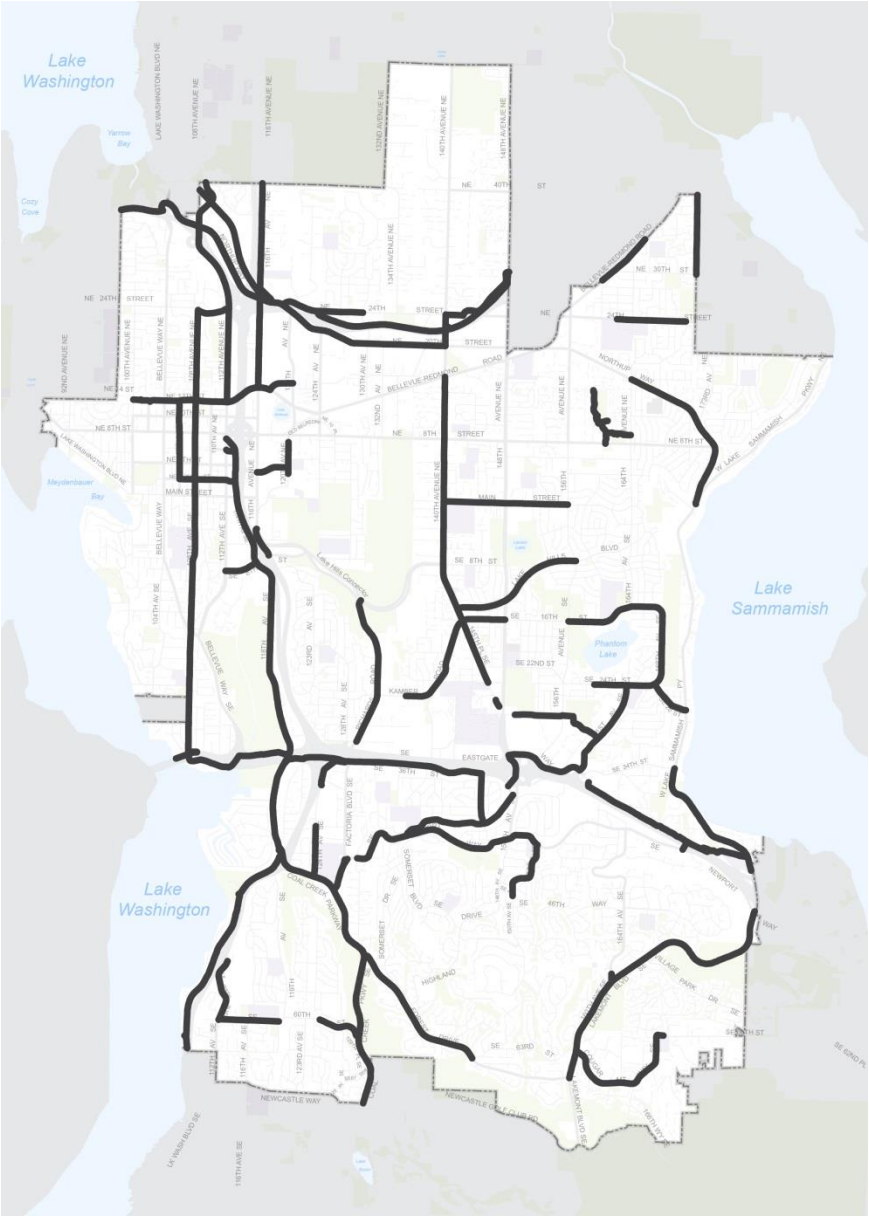
Existing Network + Funded Projects

2 North-South and 2 East-West Cross-City Connections

Est. Cost: $6.1 Million



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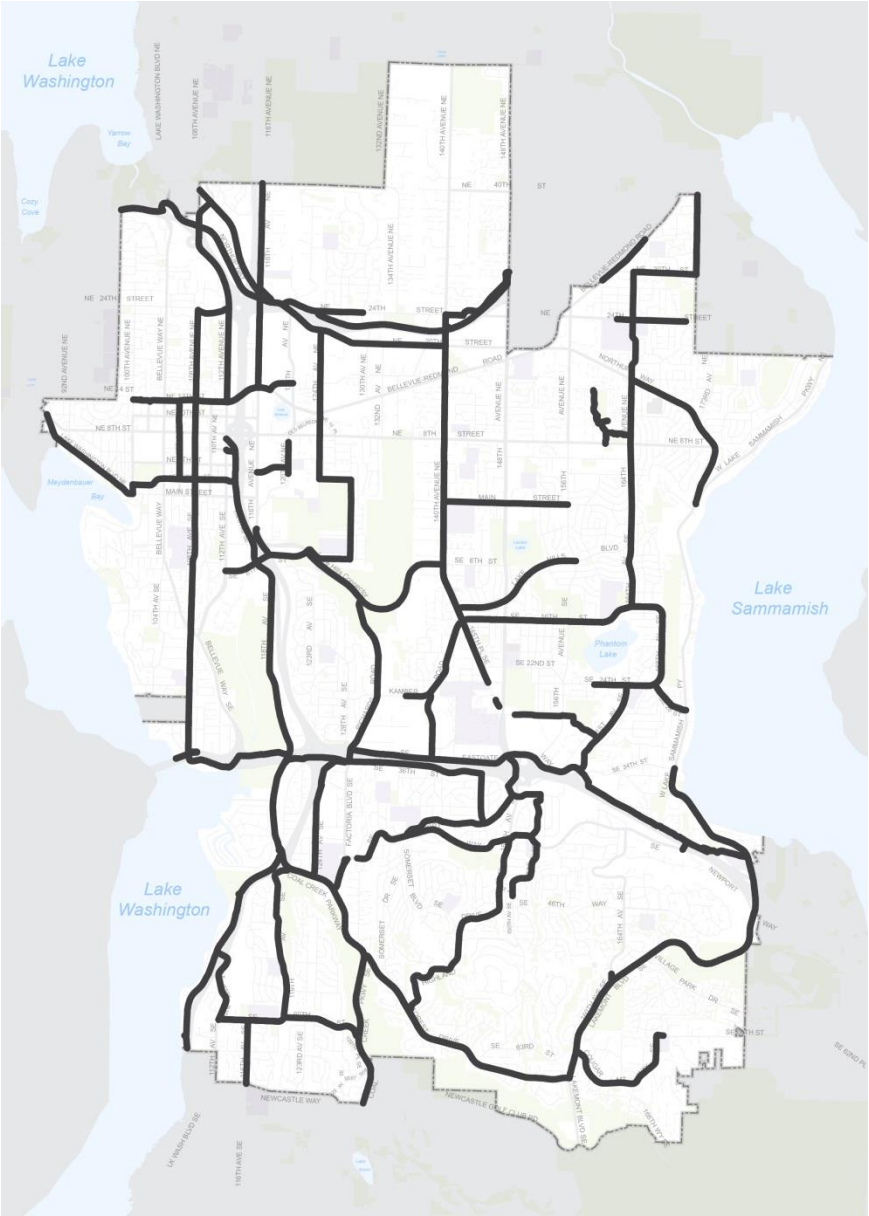
BRIP Option 1 - Results

5 North-South and 5 East-West Cross-City Connections

Est. Cost: $28.2 Million



BELLEVUE PEDESTRIAN & BICYCLE IMPLEMENTATION INITIATIVE

BRIP Option 2 - Results

5 North-South and 5 East-West Cross-City Connections +
17 Bicycle Network routes +
4 Neighborhood Bikeways

Est. Cost: $32.1 Million

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BRIP Option 3 - Results

Questions/Comments?

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Commission Discussion

1) Refine Installation Cost Estimates
2) Refine O&M Cost Estimates
3) Develop Counter Cost Estimates
4) Summary Statistics
5) Summarize Wikimap Outreach
6) BRIP Proposal

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RIP Next Steps

Questions/Comments?

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Commission Discussion

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For Additional Information