BOTHELL CITYWIDE BIKE PLAN
DRAFT FACILITIES RECOMMENDATIONS
8-17-18

	Indition clane:	pike alles	Silonidei			C2	32	NE TATEL SE	ME TAUTU ST	92nd Ave NE	[=
	Narrow travel lanes	*	Cho. Labor			7.	3		200		1
Collector	Reduce center turn lane,	Bike lane through widest areas, then shared lane markings with traffic	SH > Pkg			25	34	140th Ave NE	SR 522	NE 191st St	79
Collector	Reduce/remove center turn lane except for needed left turn pockets	Climbing lane (uphill bike lane) in narrowest post, with shared lane markings downhill. Where wider, bike lanes		5000	31	25	34	Bothell War	94th PI NE	NE 191st St	(23)m
Collector			1 Shoulder	5000	31	25	24	94th PI NE	88th (92nd?) Ave NE	NE 191st St	Е
Principal arterial	Narrow travel lanes	Protected bike lanes if lane widths can be reduced/combined with bus lane/repurposed (gore striping), shared use path long term		15197	41	40	60	240th St SE	242nd St SE	Bothell Way	D
Principal arterial	Narrow travel lanes, Fremove/reduce center turn lane	Bike lanes, 5' min., 6' where possible possible to give some buffer	Ma tend	15197	41	40	48-50	242nd St SE	South of NE 201st Pl	Bothell Way	D
7	investigate if center turn lane can be reduced in some areas, leaving left turn pockets	areas of constraint	Po Started	north (at 240th SE)		40	Ç	201st PI	NE TAGIN SE	Botnell way	
Principal arterial						30	52	NE 196th St	NE 191st St		
Principal arterial		where turn lane and lanes can be reduced,	3			30	30-38	NE 191st St	Reder Way	Bothell Way	D
Principal arterial	Narrow travel lanes P	Upgrade to separated bike lanes (7' in each direction, minimum), shared use path long term Currently Eike Laws & L	Bike lanes	23394 &	38	40	68-97	1-405	240th St SE	Bothell Everett Hwy	D
Principal arterial	Motor > +1	Upgrade to separated bike lane	Bike lanes	43316	40	45	76-88	SR 524	1-405	Bothell Everett Hwy	D
tmil(?)	Use North Cred	Interim: upgrade to separated bike lanes (7' in each direction, minimum) Long term: shared use path	Bike lanes	35027	41	45	86	Notherly City Cimits	1-405	Bothell Everett Hwy	D
		Shared use path		16585	43	35	~60	Easterly City Limits	Bothell- Everett Hwy	208th St SE/SR 524	С
Principal arterial	0	Shared use path		16585	43	35	54	York Road	Easterly City Limits	208th St SE/SR 524	С
Principal arterial	Narrow travel lanes Preduce speed	Separated bike lanes (7' each side leaves approx. 52' for 5 lanes), shared use path where paved width won't allow bike facilities	Bike lanes?	21147 7	46	35	66'	SR 527	Westerly city limits	208th St SE/SR 524	С
Principal arterial	P	or Se		16585		35	35-63	Easterly city limits	SR 527		0
		Shared use path Existing		7282	30	30	36	240th St SE	228th St SE	Fitzgerald Rd/27th	В
Collector	Narrow travel lanes C	Buffered bike lanes, bike lanes at turn pockets or areas of constraint, shared lane markings in areas of limited width	Striped shoulder	3199	36	25	34-37	232nd St SE	242nd St SE	23rd Ave NE	A
Collector	Narrow travel lanes C	Buffered bike lanes				25	36	19th Ave NE	23rd Ave NE	232nd St SE	>
		Add traffic calming speed limit reduction	Bike Lanes	3667	35	25	30?	242nd St SE	NE 185th St	104th Ave NE	D
Collector	С	Shared lane markings, retain existing parking		5242	21	25	32	NE 185th St	Beardslee	104th Ave NE	>
Functional class	METHOD	FACILITY Possibly lesgrats.	FACILITY	ADT	85th %ile	SPEED LIMIT MPH	PAVED	From/To	Fro	CORRIDOR	
										8-17-18	8-1

Minor arterial		Interim: shared lane markings Not needed? Long term: Assuming final plans for street results in a traffic-calmed street		8,000	22	25	21	Beardslee Blvd	Bothell Way NE	Main St
200	Mallow flaver falles	reduced/eliminated in constrained areas), separated bike lanes between 110th Ave NE and to 1-405	bike lanes	19258	31	30	3/-45	1-409	Main St	Beardslee BIVd
Misor arterial	Norran travel lance	Shared lane markings No - But Lames (1) When	2			25	30	NE/18th \$t	SR 522	98th Ave NE
Collector	Not in City Plan 1	ong range plans for Ra		5,394	27	25	32'-36'	Beardslee Blvd	98th Ave NE	NE 185th
	[[1	shoulder							Woodinville Way NE
	e Reduce lane widths,	≣.	Paved	23339	42	35	36-66	NE 145th St	Park & Ride	NE 160th/Juanita-
Collector		Upgrade to buffered bike lanes	BL	23,339	42	35	40'-70'	Park & Ride	NE 160th	NE 160th/Juanita- Woodinville Way NE
Minor arterial	Reduce center turn lane and/or narrow travel lanes	Upgrade to buffered bike lanes	Bike lanes	21879	32	35	41-45	Easterly city limits	Juanita/Woodi nville Way	NE 160th
	_		markings							
	Repurpose shoulder/parking lane for	Buffered bike lanes	Shoulder with shared lane			30	38	Juanita/Woodin ville Way	100th Ave NE	NE 145th ST
	narrow lanes as needed									
collector	turn lane for buffer,	Upgrade to buttered bike lanes	Bike lanes	53/3	36	25	34-46	Woodinville Dr	NE 160th	Brickyard Rd
Collector		OK 25 MAN 35 MAN				00 / 20	+	3N 3ZZ	<u> </u>	FOCUL AVE INC
Collector	w travel lanes.	nly at pinch point	Rike lanes	13151	2	30 > 25	41	CB 522	NIE 1/15+h ST	100+b Ava NE
Collector	Consolidate parking on one side/Narrow travel	Interim: bike lanes where space allows, shared lane markings where narrow		6957	36	35	21-40	Easterly city limits	E Riverside Dr	Woodinville Dr
Collector			Shared roadway			25	18-26	102nd Ave NE	Blyth Park	W Riverside Rd
						underpass				
Collector	Widen one side	Shared use path (Exists Loday)		8669	32	35/25 west of	21-38	Woodinville Dr	102nd Ave NE	E Riverside Dr
	ored)	1 8 6		3986	35	35	22-40	NE 180th	NE 198th	7th/88th Ave NE
Collector	Reallocated shoulder/parking lane	Interim: shared lane markings, traffic calming, reduce speed limit, in narrow segments (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		4864	37	35	22-35	NE 198th	240th St SE	7th/88th Ave NE
	Narrow travel lanes, reduce/remove center turn lane except for needed left turn pockets in residential area only	In residential area bike lanes, in commercial area buffered bike lanes OL T/S treatment (BEH/240h ??))	_	12072	34	30	38'	Bothell-Everett Hwy/SR 527	7th Ave SE	240th St SE
Collector	Widen north side to accommodate to Bike lanes, shift centerline		237	9972	37	30	20'-26'	7th Ave SE	Meridian Ave S/80th Ave NE	240th St SE
Functional class	METHOD	EXISTING BIKE RECOMMENDATION FACILITY	EXISTING BIKE F	ADT	85th %ile	SPEED LIMIT MPH	PAVED WIDTH	From/To	Fron	CORRIDOR

	Leburbose silouidei									SE.	
Collector	Narrow travel lanes,		SH/SH + Pkg	3199	36	25	38	232nd St SE	NE 185th St	104th Ave NE/23rd Ave	<
	reduce speed	path, stripe bike lane in wider areas with above-grade sidewalk Long term: widen for bike lanes (buffered		9200					524		
Collector	Narrow travel lanes,	m: extend and widen at-grade sidewalk to cre			37	35	29-54	R 228th St SW	208th St SE/SR	9th Ave SE	<u> </u>
Private? イビS	Widen sidewalk	k on o		9467	34	25	68	Canyon Park	Bothell- Everett Hwy	220th St SE	7
	consolidate parking to one side if needed	widerarea. Too Last	7 2) *							
Collector	Narrow travel lanes,	Bike in narrow areas (or shared lane markings), wide bike lane (6') in	fort or our	5614 س	38	30	26/32	City Limits	228th St SW	4th Ave W	S
•	reduce speed limit —No	Long-term: widen road to accommodated buffered bike lanes	lass							NE	
Minor arterial	`	th) with	Shoulder	8843	38	30 > 35	32	SR 522	228th St SW	Meridian Ave S/80th Ave	R
Minor arterial		Short term: shared lane markings, reduce speed limits, traffic calming Long term: shared use path No, +		8608	39	35	22-40	228th St SE	240th St SE	35th Ave SE	ρ
		Interim: transition bikes to use sidewalk through this constrained area Long term: Widen sidewalk to create a shared use path		20838	39	30	~ 32	7th Ave SE	Meridian Ave S	228th St SW	P
Minor arterial	Narrow travel lanes, reduce speed limit	Buffered bike lanes	Bike lanes	16146	38	30/35	63/64	Meridian Ave	Westerly city limits	228th St SW	P
Minor arterial	Reduce center turn lane, lane widths	Separated bike lanes in high volume areas, buffered in lower volume arees. Toward easterly city limits, bike lane is already wide so just need striping	Bike lanes	25263/18800	34/39	30/35	58'67'	Easterly city limits	9th Ave SE	228th St SE /	P
terrections.	ţ.										
Minor arterial		Upgrade to separated bike lanes where space allows, bike lanes in constrained areas, widen bike lane in uphill direction if possible	Bike lanes	20,000 on east end, 15,000 on west end	39	30	40 to ~78 near BEH	Bothell Everett Hwy	Westerly City Limits	228th St SE	P
Minor arterial/Collecto r east of 39th		As is E-W street ???	shared use path, east side	9647	39	30	22-36	Easterly city limits	North Creek Trail	240th St SE	0
			path with curb						limits)		
	widen as necessary		shared use						(westerly city		
Collector	Use existing width and	Shared use path on east side, transitioning to bike lanes further north	V	4620	31	30/25	30	92nd Ave NE	SR 522	St/83rd PI NE	
	Narrow travel lanes	_	Bike lanes			25	35-41	SR 522	92nd Ave NE	NE 180th	2
Minor arterial	Narrow travel lanes, reduce speed limit	Buffered bike lanes + Bike lanes in constrained areas. Check volumes on southern sectionis a 4 to 3 lane reduction possible to reallocate space for bike lanes?	Bike lanes	25.5.		35	45'	NE 195th St	NE 180th St	120th Ave NE/39th Ave SE	Z S 1
	×	Shared lane markings near term, shared use path on west side long term. At Park & Ride/Main St, transition to shared lane markings.		8644	32	25	22-23	E Riverside Dr	Bridge	102nd Ave NE	S
Oreverossing	Narrow travel lanes	n bridge, investigate feasibility of expanding capture bike lane to create a shared use path	Bike lanes	27320	36	30	64-75	120th Ave NE	1-405	NE 195th St	Г 7
Functional class	METHOD	EXISTING BIKE RECOMMENDATION FACILITY OF BUILDING	EXISTING BIKE F FACILITY	ADT	85th %ile	SPEED LIMIT MPH	PAVED WIDTH	From/To	Froi	CORRIDOR	

Mill Cold Cold		Fro		WIDTH	LIMIT MPH			FACILITY	FACILITY		
<	15th Ave SE	242nd St SE	228th St SE	23-46	35	36	2865		Interim: in narrow areas, if volumes are low enough, remove centerline, reduce speed limit, add shared lane markings. In vareas, stripe bike lane. Long term: widen for bike lanes	Interim: in narrow areas, if volumes are low enough, remove— Nocenterline, reduce speed limit, add shared lane markings. In wider areas, stripe bike lane. Long term: widen for bike lanes	<u></u>
(8) <	19th Ave SE/100th Ave NE	NE 190th	228th St SE	32' > 38' > 20'	35	40	5000 (4928)	SH/SH + Pkg	Interim: reduce speed limit, add calming (mini-roundabouts, acti calming term: widen for bike lanes	- () Od to ((St (Oth is buffered) Why not this street?
8	Beardslee Blvd/I-405 connection			72	30	31			Grade-separated crossing by WSDOT	SDOT YES.	
8	Canyon Park connection	26th PI SE & 30th Dr SE	30th Ave SE	Gravel:					Shared use path, possibly ped only due to grades	only due to grades Alternate	Alternal
{	North Creek Wetland connection	9th Ave NE	Bothell-Everett Hwy/SR 527						Shared use path		
8	Sammamish River	7.							New bridge over river		
· ×	212th Se ST	Easterly city limits/39th		35	25				Bike lanes		Consolidate parking to one side
×	212th Se ST	Rd end	Easterly city limits/35th Ave SE	32'-36'	25				Remove centerline and add shared lane markings	ed lane markings	ed lane markings
(80)											
×	39th Ave NE	228th St SE	York Rd	33-45	35			shared use path/sidewalk > Bike lanes	Buffered bike lanes + Bike lanes in constrained areas	n constrained areas	n constrained areas Reduce center turn lane

140112



Narrow in places..Buffered bike lanes?

[CS comment] Looks like around 45' of pavement. There's a turn pocket and acceleration lane at 196th which needs to stay (due to sight distanes, I would guess), but we can fit in buffered bike lanes (or Separated bike laness) in all other locations through Narrow travel lanesing. We would just narrow (or loose) the buffer at the turn pocket.

ADT around 15,000 further north (at 240th SE) [2017]



Traffic calming between 92nd and 93rd--raised median?

(24)

Has traffic calming

NOTES



[CS comment] I have a hard time seeing the centerline removed through this section. It's so straight and continuous. The ADT is only around 5,000 [2017] but the 85th percentile speed is about 40 mph in each direction. We could suggest a pretty radical change to the street; lower speed limit to 25 and put in some major traffic calming (circenterlinees, chicanes, etc.).

Toward the north half it's a little narrow and some roadway widening might be necessary to get in a buffer. On the south half, it looks like there's enough space for the majority of the corridor to just do a Narrow travel lanes.

Final thoughts: the 85th percentile speed suggests that we need buffers and maybe vertical elements, the volume suggests we could radically change this street through traffic calming.



[CS comment] Yes, with the elementary school and the fact that the road basically dead-ends into neighborhoods, I think a shared lane environment with traffic calming is appropriate. Suggest that this is billed as a SRTS project and consider raised elements, like speed humps or raised crossidewalkalks. Also, consider bike pass throughs at curb extensions at intersections, so a cycenterlineist riding in an empty curb side lane doesn't have to merge into traffic if they don't want.

ADT on 35th Ave SE is very low (around 3,000) so I would expect the volume on this street to be quite low too [2016]