

Appendix F
Existing and Future
Pedestrian Sidewalk Level of Service

TABLE F-1
Existing and 2020 PM Peak-Hour Pedestrian LOS – Segment A

Alignment Option	Station	Intersection Approach (Crosswalk)	Existing			2020 No Build			2020 Build		
			No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS
A1	Rainier	Rainier / I-90 EB off ramp	21	0.28	A	27	0.36	A	104	1.39	B
		Rainier / Massachusetts	8	0.11	A	10	0.14	A	44	0.59	B
		23rd / Rainier Station Crossing	N/A	N/A	N/A	N/A	N/A	N/A	86	1.15	B
	Mercer Island	80th Ave SE / North Mercer Way	114	0.63	B	146	0.81	B	176	0.98	B
		77th Ave SE / Sunset Highway	7	0.04	A	9	0.05	A	10	0.06	A
		80th Ave SE / SE 27th St	4	0.02	A	5	0.03	A	15	0.08	A
		77th Ave SE / North Mercer Way	4	0.02	A	5	0.03	A	10	0.06	A

Notes:

Pedestrian LOS and flow rates are presented for the pedestrian crossing at each intersection with the highest flow rate for each condition.

City of Mercer Island standard sidewalk width: 12 feet. City of Seattle standard sidewalk width: 5 feet.

TABLE F-2
Existing and 2030 PM Peak-Hour Pedestrian LOS – Segment A

Alignment Option	Station	Intersection Approach (Crosswalk)	Existing			2030 No Build			2030 Build		
			No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS
A1	Rainier	Rainier / I-90 EB off ramp	21	0.28	A	29	0.39	A	125	1.66	B
		Rainier / Massachusetts	8	0.11	A	11	0.15	A	54	0.72	B
		23rd / Rainier Station Crossing	N/A	N/A	N/A	N/A	N/A	N/A	105	1.40	B
	Mercer Island	80th Ave SE / North Mercer Way	114	0.63	B	160	0.89	B	211	1.17	B
		77th Ave SE / Sunset Highway	7	0.04	A	10	0.13	A	11	0.06	A
		80th Ave SE / SE 27th St	4	0.02	A	6	0.03	A	19	0.11	A
		77th Ave SE / North Mercer Way	4	0.02	A	6	0.03	A	12	0.07	A

Notes:

Pedestrian LOS and flow rates are presented for the pedestrian crossing at each intersection with the highest flow rate for each condition.

City of Mercer Island standard sidewalk width: 12 feet. City of Seattle standard sidewalk width: 5 feet.

TABLE F-3
Existing and 2020 PM Peak Hour Pedestrian LOS – Segment B

Alignment Option	Station	Intersection Approach (Crosswalk)	Existing			2020 No-Build			2020 Build		
			No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS
B1, B2A, B2E, B2M, B3-DO, B3	South Bellevue	Bellevue Way/S Bellevue P&R	7	0.06	A	8	0.06	A	38	0.32	A
B2A, B2E, B2M	SE 8th	112th Ave SE/SE 6th St	4	0.03	A	4	0.04	A	5	0.04	A
		112th Ave SE/SE 8th St	4	0.03	A	4	0.04	A	65	0.54	B
		114th Ave SE/SE 8th St	2	0.02	A	2	0.02	A	15	0.13	A
B7	118th	118th Ave SE/SE 8th St*	3	0.03	A	3	0.03	A	10	0.08	A
		SE 8th St/I-405 SB On/Off Ramps*	2	0.02	A	2	0.02	A	5	0.04	A

Notes:

Pedestrian LOS and flow rates are presented for the pedestrian crossing at each intersection with the highest flow rate for each condition.

City of Bellevue standard sidewalk width: 8 feet.

*Nearest intersection(s) location greater than 300 feet from station entrance.

TABLE F-4
Existing and 2030 PM Peak Hour Pedestrian LOS – Segment B

Alignment Option	Station	Intersection Approach (Crosswalk)	Existing			2030 No-Build			2030 Build		
			No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS
B1, B2A, B2E, B2M, B3-DO, B3	South Bellevue	Bellevue Way/S Bellevue P&R	7	0.06	A	8	0.07	A	40	0.34	A
B2A, B2E, B2M	SE 8th	112th Ave SE/SE 6th St	4	0.03	A	5	0.04	A	10	0.08	A
		112th Ave SE/SE 8th St	4	0.03	A	5	0.04	A	70	0.58	B
		114th Ave SE/SE 8th St	2	0.02	A	2	0.02	A	20	0.17	A
B7	118th	118th Ave SE/SE 8th St*	3	0.03	A	4	0.03	A	10	0.08	A
		SE 8th St/I-405 SB On/Off Ramps*	2	0.02	A	2	0.02	A	5	0.04	A

Notes:

Pedestrian LOS and flow rates are presented for the pedestrian crossing at each intersection with the highest flow rate for each condition.

City of Bellevue standard sidewalk width: 8 feet.

*Nearest intersection(s) location greater than 300 feet from station entrance.

TABLE F-5
Existing and 2020 PM Peak Hour Pedestrian LOS – Segment C

Alignment Option	Station	Intersection Approach (Crosswalk)	Existing			2020 No-Build			2020 Build		
			No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS
C2T, C3T, C4A, C7E, C8E, C9A, C9T, C11A	East Main	112th Ave NE/Main Street	10	0.08	A	11	0.09	A	250	2.08	B
C1T, C2T, C3T, C4A, C8E, C9A, C9T, C11A	BTC	108th Ave NE/NE 4th Street	50	0.42	A	57	0.47	A	82	0.68	B
		108th Ave NE/NE 6th Street	289	2.41	B	329	2.74	B	469	3.91	C
		108 th Ave NE/NE 8 th Street	94	0.78	B	107	0.89	B	112	0.93	B
		110th Ave NE/NE 4th Street	16	0.13	A	18	0.15	A	80	0.67	B
		110th Ave NE/NE 6th Street	50	0.42	A	57	0.47	A	225	1.88	B
		110th Ave NE/NE 8th Street	10	0.08	A	11	0.09	A	86	0.71	B
C7E, C14E	BTC	112th Ave NE/NE 4th Street	50	0.42	A	57	0.47	A	80	0.67	B
		112 th Ave NE/NE 6 th Street	9	0.08	A	10	0.09	A	60	0.50	A
C11A	108th	108th Ave NE/Main Street	12	0.10	A	14	0.11	A	125	1.04	B
		108th Ave NE/NE 2nd Street	39	0.33	A	44	0.37	A	50	0.78	A
		110th Ave NE/Main Street	18	0.15	A	20	0.17	A	125	1.04	B
C3T, C4A, C7E, C8E	Ashwood Hospital	112 th Ave NE/NE 12 th Street	3	0.03	A	3	0.03	A	43	0.36	A
		116 th Ave NE/NE 12 th Street	9	0.08	A	10	0.09	A	69	0.58	B
C1T, C2T, C9A, C11A, C14E	Hospital	116th Ave NE/OHMC Driveway	9	0.08	A	10	0.09	A	15	0.13	A
		NE 8th Street/116th Ave NE	10	0.08	A	11	0.09	A	66	0.55	B
C1T	Old Bellevue	Bellevue Way/Main Street	50	0.42	A	57	0.47	A	72	0.60	B

Notes:

Pedestrian LOS and flow rates are presented for the pedestrian crossing at each intersection with the highest flow rate for each condition.

City of Bellevue standard sidewalk width: 8 feet.

TABLE F-6
Existing and 2030 PM Peak Hour Pedestrian LOS – Segment C

Alignment Option	Station	Intersection Approach (Crosswalk)	Existing			2030 No-Build			2030 Build		
			No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS
C2T, C3T, C4A, C7E, C8E, C9A, C9T, C11A	East Main	112th Ave NE/Main Street	10	0.08	A	14	0.12	A	325	2.71	B
C1T, C2T, C3T, C4A, C8E, C9A, C9T, C11A	BTC	108th Ave NE/NE 4th Street	50	0.42	A	70	0.58	B	120	1.00	B
		108th Ave NE/NE 6th Street	289	2.41	B	405	3.37	C	455	3.79	C
		108th Ave NE/NE 8th Street	94	0.78	B	132	1.10	B	142	1.18	B
		110th Ave NE/NE 4th Street	16	0.13	A	22	0.19	A	150	1.25	B
		110th Ave NE/NE 6th Street	50	0.42	A	70	0.58	A	375	3.13	C
		110th Ave NE/NE 8th Street	10	0.08	A	14	0.12	A	132	1.10	B
C7E, C14E	BTC	112th Ave NE/NE 4th Street	50	0.42	A	70	0.58	B	150	1.25	B
		112th Ave NE/NE 6th Street	9	0.08	A	13	0.11	A	73	0.61	B
C11A	108th	108th Ave NE/Main Street	12	0.10	A	17	0.14	A	155	1.29	B
		108th Ave NE/NE 2nd Street	39	0.33	A	55	0.46	A	71	0.60	B
		110th Ave NE/Main Street	18	0.15	A	25	0.21	A	150	1.25	B
C3T, C4A, C7E, C8E	Ashwood Hospital	112th Ave NE/NE 12 ^h Street	3	0.03	A	4	0.04	A	44	0.37	A
		116th Ave NE/NE 12th Street	9	0.08	A	13	0.11	A	73	0.61	B
C1T, C2T, C9A, C11A, C14E	Hospital	116th Ave NE/OHMC Driveway	9	0.08	A	13	0.11	A	25	0.21	A
		NE 8th Street/116th Ave NE	10	0.08	A	14	0.12	A	100	0.83	B
C1T	Old Bellevue	Bellevue Way/Main Street	50	0.42	A	70	0.58	B	75	0.63	B

Notes:

Pedestrian LOS and flow rates are presented for the pedestrian crossing at each intersection with the highest flow rate for each condition.

City of Bellevue standard sidewalk width: 8 feet.

TABLE F-7
Existing and 2020 PM Peak Hour Pedestrian LOS – Segment D

Alignment Option	Station	Intersection Approach (Crosswalk)	Existing			2020 No Build			2020 Build		
			No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS
D2A, D2A-DO, D2E, D3	124th	124th Ave NE/NE 16th St**	N/A	N/A	N/A	51	0.43	A	116	0.97	B
		124th Ave NE/Bel-Red Rd	9	0.08	A	12	0.10	A	13	0.10	A
	130th	130th Ave NE/NE 16th St**	N/A	N/A	N/A	51	0.43	A	81	0.68	B
		132nd Ave NE/NE 16th St	1	0.01	A	1	0.01	A	45	0.38	A
		130th Ave NE/Bel-Red Rd	2	0.02	A	3	0.02	A	15	0.13	A
		132nd Ave NE/Bel-Red Rd	2	0.02	A	3	0.02	A	15	0.13	A
D2A, D2A-DO, D2E, D3, D5	Overlake Village	NE 26th St/152nd Ave NE	0	0.00	A	0	0.00	A	30	0.25	A
		NE 24th St/151st Ave NE	14	0.12	A	17	0.14	A	20	0.17	A
		NE 24th St/152nd Ave NE	11	0.09	A	13	0.11	A	30	0.25	A
D2A, D2A-DO, D2E, D3, D5	Overlake Transit Center	156th Ave NE/NE 40th St	7	0.06	A	8	0.07	A	20	0.17	A
		156th Ave NE/Overlake TC	72	0.60	B	87	0.73	B	190	1.58	B
		156th Ave NE/NE 36th St	14	0.12	A	17	0.14	A	110	0.92	B
		NE 40th St/SR520 WB On-Ramp*	19	0.16	A	23	0.19	A	25	0.21	A
		NE 40th St/SR520 EB On-Ramp*	19	0.16	A	23	0.19	A	25	0.21	A

Notes:

Pedestrian LOS and flow rates are presented for the pedestrian crossing at each intersection with the highest flow rate for each condition.

City of Bellevue standard sidewalk width: 8 feet, City of Redmond standard sidewalk width: 8 feet.

*Nearest intersections located greater than 300 feet from station entrance.

** Intersection does not exist under existing conditions and no build.

TABLE F-8
Existing and 2030 PM Peak Hour Pedestrian LOS – Segment D

Alignment Option	Station	Intersection Approach (Crosswalk)	Existing			2030 No Build			2030 Build		
			No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS
D2A, D2A-DO, D2E, D3	124th	124th Ave NE/NE 16th St**	N/A	N/A	N/A	63	0.53	A	138	1.15	B
		124th Ave NE/Bel-Red Rd	9	0.08	A	13	0.11	A	63	0.53	A
	130th	130th Ave NE/NE 16th St**	N/A	N/A	N/A	63	0.53	A	138	1.15	B
		132nd Ave NE/NE 16th St	1	0.01	A	1	0.01	A	85	0.71	B
		130th Ave NE/Bel-Red Rd	2	0.02	A	3	0.02	A	15	0.13	A
		132nd Ave NE/Bel-Red Rd	2	0.02	A	3	0.02	A	15	0.13	A
D2A, D2A-DO, D2E, D3, D5	Overlake Village	NE 26th St/152nd Ave NE	0	0.00	A	0	0.00	A	65	0.54	B
		NE 24th St/151st Ave NE	14	0.12	A	19	0.16	A	50	0.42	A
		NE 24th St/152nd Ave NE	11	0.09	A	15	0.12	A	60	0.50	B
D2A, D2A-DO, D2E, D3, D5	Overlake Transit Center	156th Ave NE/NE 40th St	7	0.06	A	9	0.08	A	20	0.17	A
		156th Ave NE/Overlake TC	72	0.60	B	97	0.81	B	310	2.58	B
		156th Ave NE/NE 36th St	14	0.12	A	19	0.16	A	160	1.33	B
		NE 40th St/SR520 WB On-Ramp*	19	0.16	A	26	0.21	A	40	0.33	A
		NE 40th St/SR520 EB On-Ramp*	19	0.16	A	26	0.21	A	40	0.33	A

Notes:

Pedestrian LOS and flow rates are presented for the pedestrian crossing at each intersection with the highest flow rate for each condition.

City of Bellevue standard sidewalk width: 8 feet, City of Redmond standard sidewalk width: 8 feet.

*Nearest intersections located greater than 300 feet from station entrance.

** Intersection does not exist under existing conditions and no build.

TABLE F-9
Existing and 2020 PM Peak Hour Pedestrian LOS – Segment E

Alignment Option	Station	Intersection Approach (Crosswalk)	Existing			2020 No Build			2020 Build		
			No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS
E1, E2-DO, E4	Redmond Town Center	166th Ave NE/NE 76th St	18	0.15	A	18	0.15	A	44	0.37	A
		164th Ave NE/NE 76th St	20	0.17	A	20	0.17	A	35	0.29	A
		164th Ave NE/Redmond Way	9	0.08	A	9	0.08	A	29	0.24	A
		166th Ave NE/Redmond Way	9	0.08	A	9	0.08	A	25	0.21	A
E2-DO	Redmond Transit Center	161st Ave NE/NE 83rd St	10	0.08	A	10	0.08	A	16	0.13	A
		161st Ave NE/NE 85th St	0	0.00	A	0	0.00	A	15	0.13	A
E1, E2, E2-DO, E4	SE Redmond	176th Ave NE/NE 70th St	1	0.01	A	1	0.01	A	11	0.09	A
		Redmond Way/NE 70th St	4	0.03	A	4	0.04	A	12	0.10	A
E2	Downtown Redmond	Brown St/Cleveland St	2	0.02	A	2	0.02	A	25	0.21	A
		Leary Way/Cleveland St	2	0.02	A	2	0.02	A	80	0.67	B

Notes:

Pedestrian LOS and flow rates are presented for the pedestrian crossing at each intersection with the highest flow rate for each condition.

City of Redmond standard sidewalk width: 8 feet.

TABLE F-10
Existing and 2030 PM Peak Hour Pedestrian LOS – Segment E

Alignment Option	Station	Intersection Approach (Crosswalk)	Existing			2030 No Build			2030 Build		
			No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS	No. of Pedestrians	Flow Rate (ped/min/ft)	LOS
E1, E2-DO, E4	Redmond Town Center	166th Ave NE/NE 76th St	18	0.15	A	19	0.16	A	74	0.62	B
		164th Ave NE/NE 76th St	20	0.17	A	21	0.18	A	67	0.56	B
		164th Ave NE/Redmond Way	9	0.08	A	9	0.08	A	50	0.42	A
		166th Ave NE/Redmond Way	9	0.08	A	9	0.08	A	40	0.33	A
E2-DO	Redmond Transit Center	161st Ave NE/NE 83rd St	10	0.08	A	10	0.08	A	22	0.18	A
		161st Ave NE/NE 85th St	0	0.00	A	0	0.00	A	30	0.25	A
E1, E2, E2-DO, E4	SE Redmond	176th Ave NE/NE 70th St	1	0.01	A	1	0.01	A	22	0.19	A
		Redmond Way/NE 70th St	4	0.03	A	4	0.04	A	20	0.17	A
E2	Downtown Redmond	Brown St/Cleveland St	2	0.02	A	2	0.02	A	40	0.33	A
		Leary Way/Cleveland St	2	0.02	A	2	0.02	A	100	0.83	B

Notes:

Pedestrian LOS and flow rates are presented for the pedestrian crossing at each intersection with the highest flow rate for each condition.

City of Redmond standard sidewalk width: 8 feet.