

Appendix C
Existing and Future
Transit Routes and Level of Service

TABLE C-1
Existing, No-Build, and Build Transit Routes in East Link Study Area

Route No.	Stop Locations in Project Area (Existing)	Service Area (Existing)	Stop Locations in Study Area (No Build)	Service Area (No Build)	Stop Location in Study Area (Build)	Service Area (Build)
KCM 111	I-90	Downtown Seattle, I-90 & Rainier, Newport Hills P&R, Kenndale, Renton Highlands P&R, Renton Highlands, Maplewood Heights, Lake Kathleen	Same as Existing	Same as Existing	I-90, South Bellevue, Bellevue	- Downtown Seattle, I-90 and Rainier + South Bellevue, Bellevue
KCM 114	I-90	Downtown Seattle, I-90 & Rainier, Newport Hills P&R, Kenndale, Renton Highlands P&R, Renton Highlands, Maplewood Heights, Lake Kathleen	Same as Existing	Same as Existing	I-90, South Bellevue, Bellevue	- Downtown Seattle, I-90 and Rainier + South Bellevue, Bellevue, Lake Kathleen
KCM 202	North Mercer Island	Downtown Seattle, North Mercer Island, South Mercer Island	Deleted	Deleted	Deleted	Deleted
KCM 205	North Mercer Island	University District, Montlake, First Hill Seattle, North Mercer Island, South Mercer Island	Deleted	Deleted	Deleted	Deleted
KCM 210	I-90 & Rainier Avenue	Downtown Seattle, I-90 & Rainier, Factoria, Eastgate, Issaquah Transfer Point	Same as Existing	Same as Existing	South Bellevue	- Downtown Seattle, I-90 and Rainier + South Bellevue
KCM 212	I-90 & Rainier Avenue, South Bellevue	Downtown Seattle, I-90 & Rainier, Factoria, Eastgate I-90 Freeway Station, Eastgate P&R	Same as Existing	Same as Existing	Same as No Build	Same as No Build
KCM 214	I-90 & Rainier Avenue	Downtown Seattle, I-90 & Rainier, Issaquah Transfer Point, Issaquah, Preston, Fall City, Snoqualmie Falls, Snoqualmie, North Bend, Factory Stores of North Bend	Same as Existing	- Snoqualmie Falls, Snoqualmie, North Bend, Factory Stores of North Bend	Same as No Build	Same as No Build
KCM 214.5	Route Does Not Exist	Route Does Not Exist	I-90 & Rainier Avenue	Downtown Seattle, I-90 & Rainier, North Bend	Same as No Build	Same as No Build
KCM 216	I-90 & Rainier Avenue, North Mercer Island, Redmond	Downtown Seattle, I-90 & Rainier, North Mercer Island, Pine Lake, South Sammamish P&R, Redmond, Bear Creek P&R	Same as Existing	Same as Existing	Same as No Build	Same as No Build
KCM 217	I-90 & Rainier Avenue, North Mercer Island	Downtown Seattle, I-90 & Rainier, Factoria, Eastgate P&R, Eastgate, North Issaquah	Deleted	Deleted	Deleted	Deleted
KCM 218	I-90 & Rainier Avenue	Issaquah Highlands P&R, Eastgate I-90 Freeway Station, I-90 & Rainier, Downtown Seattle	Same as Existing	Same as Existing	Same as No Build	Same as No Build
KCM 220	Bellevue, Redmond	Redmond P&R, Redmond Town Centre, Rose Hill, South Kirkland P&R, Bellevue	Deleted	Deleted	Deleted	Deleted

TABLE C-1
Existing, No-Build, and Build Transit Routes in East Link Study Area

Route No.	Stop Locations in Project Area (Existing)	Service Area (Existing)	Stop Locations in Study Area (No Build)	Service Area (No Build)	Stop Location in Study Area (Build)	Service Area (Build)
KCM 225	I-90 & Rainier Avenue, South Bellevue, Bellevue, Redmond	Downtown Seattle, I-90 & Rainier, Eastgate I-90 Freeway Station, Eastgate P&R, Phantom Lake, Overlake, Overlake Transit Center	Deleted	Deleted	Deleted	Deleted
KCM 229	I-90 & Rainier Avenue, South Bellevue, Bellevue, Redmond	Overlake Transit Center, Overlake, Crossroads, Phantom Lake, Eastgate P&R, Eastgate I-90 Freeway Station, I-90 & Rainier, Downtown Seattle	Deleted	Deleted	Deleted	Deleted
KCM 230	Bellevue, Overlake	Kingsgate P&R, Totem Lake Mall, Rose Hill, 124th Ave NE, NE 85th St, Kirkland Transit Center, Lake Washington Blvd., South Kirkland P&R, Bellevue Way NE, Bellevue Transit Center, NE 8th St, Crossroads, Overlake, Microsoft, 156th Ave NE, SR-520, Redmond	Deleted	Deleted	Deleted	Deleted
KCM 232	Bellevue, Overlake, Redmond	Duvall, Cottage Lake, English Hill, Redmond, SR-520, I-405, Bellevue, Bellevue Transit Center	Same as Existing	- English Hill	Overlake, Redmond	- Bellevue, Bellevue Transit Center
KCM 233	Bellevue, Overlake, Redmond	Avondale Rd NE & Avondale PI NE, Bear Creek P&R, 148th Ave NE, 156th Ave NE, Microsoft, Overlake, Bell-Red Rd, Bellevue Transit Center	Bellevue, Overlake	- Avondale Rd NE & Avondale PI NE, Bear Creek P&R, 148th Ave NE	Same as No Build	Same as No Build
KCM 234	Route Does Not Cross Any Screenlines	Route Does Not Cross Any Screenlines	South Bellevue, Bellevue, Overlake	Kenmore, Finn Hill, Juanita, Kirkland Transit Center, Northwest College, S. Kirkland P&R, 116th Ave NE, Bellevue Transit Center, South Bellevue P&R	Same as No Build	Same as No Build
KCM 239	Route Does Not Exist	Route Does Not Exist	Overlake, Redmond	Redmond Ridge, Redmond, Overlake Transit Center	Same as No Build	Same as No Build
KCM 249	Bellevue, Overlake	Redmond P&R, West Lake Sammamish Pkwy, Sammamish Viewpoint Park, Overlake, Overlake P&R, NE 20th St, 116th Ave. NE, Bellevue Transit Center	Same as Existing	Same as Existing	Bellevue, 122nd, Overlake	Same as No Build
KCM 253	Bellevue, Overlake	Bear Creek P&R, Redmond P&R, Redmond Civic Center, 148th Ave NE, Overlake, Overlake P&R, Crossroads, Bellevue Transit Center	Deleted	Deleted	Deleted	Deleted
KCM 268	Overlake, Redmond	Downtown Seattle, Montlake, SR-520 Stops, Overlake Transit Center, Bear Creek P&R, 185th Ave NE & Redmond-Fall City Rd	Same as Existing	Same as Existing	Deleted	Deleted

TABLE C-1
Existing, No-Build, and Build Transit Routes in East Link Study Area

Route No.	Stop Locations in Project Area (Existing)	Service Area (Existing)	Stop Locations in Study Area (No Build)	Service Area (No Build)	Stop Location in Study Area (Build)	Service Area (Build)
KCM 269	Overlake, Redmond	Issaquah Transfer Point, Issaquah Highlands P&R, Issaquah-Pine Lake Rd, South Sammamish P&R, 228th Ave NE, Sahalee Way NE, Redmond-Fall City Rd, Bear Creek P&R, Overlake, Overlake P&R	Same as Existing	Same as Existing	Same as No Build	- Overlake P&R
KCM 271	Bellevue	Issaquah, Issaquah Transfer Point, Eastgate, Eastgate P&R, Bellevue Community College, Bellevue Transit Center, Medina, University District	Bellevue	- Issaquah, Issaquah Transfer Point, Eastgate, Eastgate P&R, Bellevue Community College	Same as No Build	Same as No Build
KCM RapidRide	Route Does Not Exist	Route Does Not Exist	Bellevue, Overlake, Redmond	Redmond Transit Center, 148th Ave, NE, Overlake, Overlake P&R, 156th Ave NE, NE 8th Street, Bellevue Transit Center	Same as No Build	Same as No Build
ST 532	Route Does Not Cross Any Screenlines	Route Does Not Cross Any Screenlines	Route Does Not Cross Any Screenlines	Route Does Not Cross Any Screenlines	South Bellevue, Bellevue	Everett, Everett Station, Eastmont P&R, Lynnwood, Canyon Park P&R, Brickyard Freeway Station, Totem Lake Freeway Station, Bellevue, South Bellevue
ST 535	Route Does Not Cross Any Screenlines	Route Does Not Cross Any Screenlines	Route Does Not Cross Any Screenlines	Route Does Not Cross Any Screenlines	South Bellevue, Bellevue	Lynnwood Transit Center, Lynnwood, Canyon Park P&R, UW Bothell, Bothell P&R, Brickyard Freeway Station, Totem Lake Freeway Station, Bellevue, South Bellevue
ST 542	Route Does Not Exist	Route Does Not Exist	Overlake, Redmond	Bear Creek P&R, Redmond P&R, Redmond City Hall, Overlake P&R, University District	Same as No Build	Same as No Build
ST 545	Overlake, Redmond	Bear Creek P&R, Redmond P&R, Redmond City Hall, Overlake P&R, Downtown Seattle	Same as Existing	Same as Existing	Same as Existing	Same as Existing
ST 550	Bellevue, South Bellevue, North Mercer Island, I-90 & Rainier Avenue	Bellevue Square, Bellevue Transit Center, South Bellevue P&R, North Mercer Island, I-90 & Rainier, Downtown Seattle	Same as Existing	Same as Existing	Deleted	Deleted

TABLE C-1
Existing, No-Build, and Build Transit Routes in East Link Study Area

Route No.	Stop Locations in Project Area (Existing)	Service Area (Existing)	Stop Locations in Study Area (No Build)	Service Area (No Build)	Stop Location in Study Area (Build)	Service Area (Build)
ST 554	North Mercer Island, I-90 & Rainier Avenue	South Sammamish P&R, Issaquah Highlands P&R, Downtown Issaquah, Issaquah Transfer Point, Bellevue Community College, Eastgate P&R, Eastgate I-90 Freeway Station, North Mercer Island, I-90 & Rainier, Downtown Seattle	Same as Existing	Same as Existing	North Mercer Island	- I-90 & Rainier, Downtown Seattle
ST 555	Bellevue	Issaquah Highlands P&R, Issaquah Transfer Point, Bellevue Community College, Eastgate P&R, Factoria, Bellevue Transit Center, SR-520 Freeway Stations, Northgate Transit Center	Same as Existing	Same as Existing	Same as No Build	- SR-520 Freeway Stations, Northgate Transit Center
ST 556	Bellevue	Issaquah Highlands P&R, Issaquah Transfer Point, Bellevue Community College, Eastgate P&R, Bellevue Transit Center, SR-520 Freeway Stations, University District, Northgate Transit Center	Same as Existing	Same as Existing	Deleted	Deleted
ST 564	Bellevue, Overlake	South Hill Mall Transit Center, South Hill P&R, Sumner Station, Auburn Station, Kent Station, Renton Transit Center, Renton Boeing, Bellevue Transit Center, Overlake Transit Center	Same as Existing	Same as Existing	Bellevue	- Overlake Transit Center
ST 565	Bellevue, Overlake	Federal Way Transit Center, Auburn Station, Kent Station, Renton Transit Center, Renton Boeing, Bellevue Transit Center, Overlake Transit Center	Same as Existing	Same as Existing	Bellevue	- Overlake Transit Center

Notes: Transit routes and park-and-ride stalls from fall 2007.

All transit routes listed have crossed the screenline in both directions.

TABLE C-2
Direct Transit Routes Evaluated For Existing, 2020 and 2030 No-Build and Build

From	Condition	To								
		Northgate	U District	Downtown Seattle	Mercer Island	South Bellevue	Downtown Bellevue	Bel-Red	Overlake	Downtown Redmond
Northgate	Existing: No Build: Build:				No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link	2 EXP Same As Existing East Link	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link
U District	Existing: No Build: Build:				1 Local No Direct Routes East Link	No Direct Routes Same As Existing East Link	1 Local, 1 EXP Same As Existing East Link	No Direct Routes Same As Existing East Link	No Direct Routes 1 EXP East Link	No Direct Routes 1 EXP East Link
Downtown Seattle	Existing: No Build: Build:				2 Local, 2 EXP 1 Local, 2, EXP East Link	1 EXP Same As Existing East Link	1 EXP Same As Existing East Link	No Direct Routes Same As Existing East Link	1 Local, 1 EXP Same As Existing East Link	1 EXP Same As Existing East Link
Mercer Island	Existing: No Build: Build:	No Direct Routes Same As Existing East Link	1 Local No Direct Routes East Link	2 Local, 2 EXP 1 Local, 2 EXP East Link		1 EXP Same As Existing East Link	1 EXP Same As Existing East Link	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link
South Bellevue	Existing: No Build: Build:	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link	1 EXP Same As Existing East Link	1 EXP Same As Existing East Link		1 EXP 1 Local, 1 EXP East Link	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link
Downtown Bellevue	Existing: No Build: Build:	2 EXP Same As Existing East Link	1 Local, 1 EXP Same As Existing East Link	1 EXP Same As Existing East Link	1 EXP Same As Existing East Link	1 EXP 1 Local, 1 EXP East Link		3 Local 2 Local East Link	5 Local, 2 EXP 3 Local, 1 RR, 2 EXP East Link	5 Local 1 Local, 1 RR East Link
Bel-Red	Existing: No Build: Build:	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link	3 Local 2 Local East Link		2 Local Same As Existing East Link	2 Local No Direct Routes East Link
Overlake	Existing: No Build: Build:	No Direct Routes Same As Existing East Link	No Direct Routes 1 EXP East Link	1 Local, 1 EXP Same As Existing East Link	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link	5 Local, 2 EXP 3 Local, 1 RR, 2 EXP East Link	2 Local Same As Existing East Link		4 Local, 1 EXP 1 Local, 1 RR, 1 EXP East Link
Downtown Redmond	Existing: No Build: Build:	No Direct Routes Same As Existing East Link	No Direct Routes 1 EXP East Link	1 EXP Same As Existing East Link	No Direct Routes Same As Existing East Link	No Direct Routes Same As Existing East Link	5 Local 1 Local, 1 RR East Link	2 Local No Direct Routes East Link	4 Local, 1 EXP 1 Local, 1 RR, 1 EXP East Link	



Notes:  Not Evaluated or Not Applicable
 Existing and No Build include only bus. Build includes only light rail.
 No Build applies to both 2020 and 2030 years.
 Build applies to both 2020 and 2030 years.
 RR is a RapidRide route.
 EXP is an Express route.

TABLE C-3
PM Peak Period Transit Frequency LOS for Existing, 2020 and 2030 No Build and Build

From	Condition	To								
		Northgate	U District	Downtown Seattle	Mercer Island	South Bellevue	Downtown Bellevue	Bel-Red	Overlake	Downtown Redmond
Northgate	Existing: No Build: Build 2020: Build 2030:				No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	30/D Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A
U District	Existing: No Build: Build 2020: Build 2030:				100/F No Direct Service 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	12/B 10/B Same as No Build 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A
Downtown Seattle	Existing: No Build: Build 2020: Build 2030:				4/A Same as Existing 10/B 9/A	7/A 8/A 10/B 9/A	7/A 8/A 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	8/A 7/A 10/B 9/A	11/B 8/A 10/B 9/A
Mercer Island	Existing: No Build: Build 2020: Build 2030:	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	8/A 6/A 10/B 9/A		7/A 8/A 10/B 9/A	7/A 8/A 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A
South Bellevue	Existing: No Build: Build 2020: Build 2030:	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	10/B 8/A 10/B 9/A	10/B 8/A 10/B 9/A		7/A 6/5/A* 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A
Downtown Bellevue	Existing: No Build: Build 2020: Build 2030:	30/D Same as Existing 10/B 9/A	25/D 15/C 10/B 9/A	10/B 8/A 10/B 9/A	10/B 8/A 10/B 9/A	10/B 6/5/A* 10/B 9/A		10/B 15/C 10/B 9/A	5/A 3/A 10/B 9/A	5/A 10/B 10/B 9/A
Bel-Red	Existing: No Build: Build 2020: Build 2030:	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	10/B 15/C 10/B 9/A		15/C Same as Existing 10/B 9/A	15/C No Direct Service 10/B 9/A
Overlake	Existing: No Build: Build 2020: Build 2030:	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	15/C 8/A 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	4/A 3/A 10/B 9/A	15/C Same as Existing 10/B 9/A		4/A 3/A 10/B 9/A
Downtown Redmond	Existing: No Build: Build 2020: Build 2030:	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	15/C 8/A 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	No Direct Service Same as Existing 10/B 9/A	5/A Same as Existing 10/B 9/A	15/C No Direct Service 10/B 9/A	5/A 3/A 10/B 9/A	

Notes:  Not Evaluated or Not Applicable

Existing and No Build include only bus. Build includes only light rail.


No Build applies to both 2020 and 2030 years unless otherwise indicated.

9 / A = Frequency (in minutes) / Level of Service

*No Build 2020 Frequency (in minutes) / No Build 2030 Frequency (in minutes) / Level of Service

TABLE C-4
Transit Hours of Service and LOS for Existing, 2020 and 2030 No Build and Build

From	Condition	To								
		Northgate	U District	Downtown Seattle	Mercer Island	South Bellevue	Downtown Bellevue	Bel-Red	Overlake	Downtown Redmond
Northgate	Existing: No Build: Build:				No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	6:49/E Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A
U District	Existing: No Build: Build:				3:07/F No Direct Service 20:00/A	No Direct Service Same as Existing 20:00/A	17:34/B Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service 19:21/A 20:00/A	No Direct Service 19:21/A 20:00/A
Downtown Seattle	Existing: No Build: Build:				19:12/A Same as Existing 20:00/A	19:12/A Same as Existing 20:00/A	19:12/A Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	19:21/A Same as Existing 20:00/A	19:21/A Same as Existing 20:00/A
Mercer Island	Existing: No Build: Build:	No Direct Service Same as Existing 20:00/A	2:55/F No Direct Service 20:00/A	19:53/A Same as Existing 20:00/A		19:12/A Same as Existing 20:00/A	19:12/A Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A
South Bellevue	Existing: No Build: Build:	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	19:53/A Same as Existing 20:00/A	19:53/A Same as Existing 20:00/A		19:12/A Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A
Downtown Bellevue	Existing: No Build: Build:	7:13/E Same as Existing 20:00/A	17:05/B Same as Existing 20:00/A	19:53/A Same as Existing 20:00/A	19:53/A Same as Existing 20:00/A	19:53/A Same as Existing 20:00/A		14:25/C Same as Existing 20:00/A	19:14/A 20:30/A 20:00/A	19:14/A 20:30/A 20:00/A
Bel-Red	Existing: No Build: Build:	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	14:28/C Same as Existing 20:00/A		13:40/D Same as Existing 20:00/A	13:30/D No Direct Service 20:00/A
Overlake	Existing: No Build: Build:	No Direct Service Same as Existing 20:00/A	No Direct Service 18:31/B 20:00/A	18:31/B Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	20:05/A 20:30/A 20:00/A	14:28/C Same as Existing 20:00/A		19:21/A 20:30/A 20:00/A
Downtown Redmond	Existing: No Build: Build:	No Direct Service Same as Existing 20:00/A	No Direct Service 18:31/B 20:00/A	18:31/B Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	No Direct Service Same as Existing 20:00/A	20:05/A 20:30/A 20:00/A	12:29/D No Direct Service 20:00/A	20:05/A 20:30/A 20:00/A	

Notes:  Not Evaluated or Not Applicable

Existing and No Build include only bus. Build includes only light rail.

No Build applies to both 2020 and 2030 years.

Build applies to both 2020 and 2030 years.

12:00 / A = Hours of Service / Level of Service

TABLE C-5
Existing, No Build, and Build PM Peak-Hour Passenger Load

					Existing		2020 No Build		2020 Build				2030 No Build		2030 Build			
					Bus		Bus		Bus		Light Rail		Bus		Bus		Light Rail	
Screen-line	Existing Routes	No Build Routes	Build Routes	Direction	Average seated passenger/seat	LOS	Average seated passenger/seat	LOS	Average seated passenger/seat	LOS	ft ² / standing passenger	LOS	Average seated passenger/seat	LOS	Average seated passenger/seat	LOS	ft ² / standing passenger	LOS
1	11 local, 2 express	8 local, 2 express	5 local, light rail	SB	0.45	A	0.69	B	0.23	A	9.22	B	0.72	B	0.26	A	9.63	B
				NB	0.49	A	0.48	A	0.30	A	NSP	A	0.64	B	0.37	A	NSP	A
2	14 local, 5 express	10 local, 5 express	6 local, light rail	EB	0.52	B	0.87	C	0.34	A	11.71	A	0.96	C	0.36	A	11.76	B
				WB	0.57	B	0.63	B	0.27	A	NSP	A	0.89	C	0.34	A	NSP	A
3	10 local, 1 express	8 local, 1 express	8 local, 1 express, light rail	EB	0.49	A	0.49	A	0.31	A	N/A	N/A	0.54	B	0.34	A	N/A	N/A
				WB	0.33	A	0.58	B	0.35	A	N/A	N/A	0.75	B	0.43	A	N/A	N/A
4	0 local, 3 express	1 local, 3 express	3 local, 4 express, light rail	NB	0.23	A	0.25	A	0.12	A	NSP	A	0.28	A	0.14	A	NSP	A
				SB	0.50	B	0.46	A	0.20	A	NSP	A	0.57	B	0.23	A	NSP	A
5	7 local, 3 express	4 local, 1 RapidRide, 4 express	2 local, 1 RapidRide, 2 express, light rail	EB	0.43	A	0.60	B	0.18	A	NSP	A	0.77	C	0.21	A	NSP	A
				WB	0.40	A	0.46	A	0.27	A	NSP	A	0.61	B	0.34	A	NSP	A
6	8 local, 1 express	4 local, 1 RapidRide, 2 express	3 local, 1 RapidRide, 2 express light rail	NB	0.29	A	0.26	A	0.07	A	NSP	A	0.29	A	0.08	A	NSP	A
				SB	0.16	A	0.19	A	0.09	A	NSP	A	0.24	A	0.11	A	NSP	A

TABLE C-6
Existing Bus and Light Rail PM Peak-Hour Reliability LOS

Station Location	Route Number	Direction	Existing Headway ^a (minutes)	Existing Bus ^a			Light Rail ^b	
				% On-time Performance	Coefficient of Variation	LOS	Coefficient of Variation	LOS
International District/Chinatown Station	KCM 210	Eastbound	25	41.7%	-	F		
	KCM 212	Eastbound	8.7	-	0.56	E		
	KCM 214	Eastbound	13	49.2%	-	F		
	KCM 216	Eastbound	26	40.7%	-	F		
	KCM 218	Eastbound	9.6	-	0.53	E		
	KCM 225	Eastbound	>60	59.4%	-	F		
	KCM 229	Eastbound	>60	44.8%	-	F		
	ST 550	Eastbound	6.6	-	0.68	E		
	ST 554	Eastbound	35	51.7%	-	F		
	KCM 111	Southbound	20	66.0%	-	F		
	KCM 114	Southbound	27	56.3%	-	F		
	KCM 202	Southbound	30	43.1%	-	F		
	KCM 212	Westbound	30	46.0%	-	F		
	ST 550	Westbound	10.1	30.3%	-	F		
	ST 554	Westbound	30	56.9%	-	F		
Light Rail	N/A	N/A					0.16	A
Average				48.8%	0.59	F/E	0.16	A
Mercer Island	ST 550	Eastbound	6.5	-	1.02	F		
	ST 554	Eastbound	35	52.8%	-	F		
	KCM 202	Southbound	11	50.6%	-	F		
	KCM 216	Southbound	33	34.0%	-	F		
	KCM 202	Westbound	32	71.4%	-	F		
	KCM 203	Westbound	32	36.5%	-	F		
	ST 550	Westbound	10.2	50.0%	-	F		
	ST 554	Westbound	30	70.0%	-	F		
	Light Rail	N/A	N/A					0.16
Average				52.2%	1.02	F/F	0.16	A
Bellevue Transit Center	KCM 233	Eastbound	30	91.0%	-	B		
	KCM 249	Eastbound	30	84.8%	-	D		
	KCM 271	Eastbound	15	66.2%	-	F		
	ST 550	Eastbound	6	-	0.68	E		
	ST 556	Eastbound	37	55.9%	-	F		
	ST 564	Northbound	30	39.0%	-	F		
	ST 565	Northbound	60	3.3%	-	F		
	ST 564	Southbound	30	39.0%	-	F		
	ST 565	Southbound	30	23.8%	-	F		
	KCM 233	Westbound	30	48.3%	-	F		
	KCM 249	Westbound	30	41.3%	-	F		
	KCM 253	Westbound	30	38.2%	-	F		
	KCM 271	Westbound	22	71.0%	-	F		
	ST 550	Westbound	11.25	82.4%	-	D		
	ST 555	Westbound	39	71.0%	-	F		
KCM 230	N/A	14.5	59.5%	-	F			

TABLE C-6
Existing Bus and Light Rail PM Peak-Hour Reliability LOS

Station Location	Route Number	Direction	Existing Headway ^a (minutes)	Existing Bus ^a			Light Rail ^b	
				% On-time Performance	Coefficient of Variation	LOS	Coefficient of Variation	LOS
	KCM 230	N/A	30	61.8%	-	F		
	KCM 232	N/A	23.5	29.3%	-	F		
	Light Rail	N/A	N/A				0.16	A
Average				53.3%	0.68	F/E	0.16	A
Overlake Transit Center	KCM 232	Eastbound	17	35.8%	-	F		
	KCM 268	Eastbound	36	34.0%	-	F		
	ST 545	Eastbound	10	-	0.39	C		
	KCM 230	Eastbound	29	74.6%	-	E		
	ST 564	Northbound	60	21.9%	-	F		
	ST 565	Northbound	60	13.3%	-	F		
	ST 564	Northbound	60	47.8%	-	F		
	ST 565	Northbound	60	17.4%	-	F		
	KCM 245	Northbound	29	87.5%	-	C		
	ST 564	Southbound	30	77.8%	-	E		
	ST 565	Southbound	30	89.5%	-	C		
	KCM 245	Southbound	30	84.8%	-	D		
	ST 545	Westbound	10	-	0.31	C		
	KCM 230	Westbound	32	75.0%	-	E		
	KCM 232	Westbound	30	50.0%	-	F		
	ST 545	Westbound	10	-	0.30	D		
	KCM 247	N/A	31	21.5%	-	F		
	KCM 225	N/A	31	46.7%	-	F		
	KCM 229	N/A	36	33.3%	-	F		
	KCM 256	N/A	28	95.2%	-	A		
KCM 249	N/A	22	36.6%	-	F			
	Light Rail	N/A	N/A				0.16	A
Average				52.4%	0.33	F/C	0.16	A
Redmond Transit Center	KCM 230	N/A	31	32.3%	-	F		
	KCM 232	Eastbound	20.5	26.3%	-	F		
	KCM 253	Eastbound	30	40.0%	-	F		
	KCM 545	Eastbound	10.8	27.8%	-	F		
	KCM 220	Eastbound	29	18.0%	-	F		
	KCM 220	Westbound	25	100.0%	-	A		
	KCM 250	N/A	44	29.2%	-	F		
	KCM 253	Westbound	25	88.7%	-	C		
	ST 545	Westbound	10	-	0.48	D		
		Light Rail	N/A	N/A				0.16
Average				45.3%	0.48	F/D	0.16	A

^a Future transit reliability trends are assumed to remain similar to existing conditions because King County Metro and Sound Transit continually adjust their transit service according to the demand levels. Existing routes and headways do not necessarily reflect the future service planned by King County Metro and Sound Transit.

^b Future light rail reliability performance was projected using the St. Louis light rail data. See Table C-7.

N/A - transit route does not provide service in one particular direction

TABLE C-7
Saint Louis Light Rail Reliability

Station	Headway (Minutes)	Scheduled Arrival	Minutes Arrived Early or Late (-)					Standard Deviation	Cv
			Monday	Tuesday	Wednesday	Thursday	Friday		
Union Station									
	5							0.70	0.14
		16:27	-0.18	-0.55	0.98	-0.58	-0.07		
		17:35	1.10	-1.07	-0.25	-0.28	0.48		
Kiel Station									
	5							0.91	0.18
		16:26	0.10	-0.30	1.20	-0.25	0.25		
		17:36	0.98	-1.43	-1.22	-1.27	-0.45		
Busch Stadium									
	5							0.80	0.16
		16:24	0.12	-0.25	1.02	-0.10	0.25		
		17:38	0.22	-1.48	-1.22	-1.27	-0.45		
Grand									
	5							0.66	0.13
		16:31	-0.85	-0.70	0.22	-1.20	-1.27		
		17:31	0.60	-1.22	-0.08	-0.72	-0.03		
Average Downtown								0.79	0.16
Calculation: $Cv = \text{Stdev} / \text{headway}$									

