



I-405/SR 167
Corridor
**Funding and
Phasing Report**

Appendix 2

Net revenue tables



Washington State
Department of Transportation

Eastside Corridor Project — I-405 / SR 167 Express Lane Toll Scenarios

Toll Scenario	Description	Toll Payment Methods			Transponder Required for HOV Exemption / Discount?	Carpool Exemption/Discount	
		Good To Go! Transponder	Good To Go! Pay By Plate	Pay By Mail (Photo Toll)		Weekday AM/PM Peak Periods	Off-Peak Times
WSDOT Toll Traffic and Revenue Projections prepared by CDM Smith							
A	2+ Carpool Free Photo Tolling	✓	✓	✓	Yes	2+ Free	2+ Free
B	\$1.00 Carpool Discount	✓			Yes	2+ with \$1 Discount	2+ with \$1 Discount
B-2	\$0.50 Carpool Discount Photo Tolling	✓	✓	✓	Yes	2+ with 50¢ Discount	2+ with 50¢ Discount
C	2+ Carpool Free Off-Peak 3+ Carpool Free Peak Photo Tolling	✓	✓	✓	Yes	3+ Free	2+ Free
D	3+ Carpool Free Photo Tolling	✓	✓	✓	Yes	3+ Free	3+ Free
E	3+ Carpool Free	✓			No	3+ Free	3+ Free
WSTC Toll Traffic and Revenue Projections prepared by Cambridge Systematics*							
F	3+ Carpool Free	✓			No	3+ Free	3+ Free

*Cambridge T&R forecasts represent 50th percentile value

Eastside Corridor (I-405 / SR 167 Express Toll Lanes) Traffic and Revenue Table

Scenario A — 2+ Carpool Free | Photo Tolling — Phase 2 Opens 1/1/2022

PRELIMINARY NET TOLL REVENUE PROJECTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fiscal Year	Wtd. Average Toll Rate per Trip (one-way) ⁰	Annual Toll Trips (millions) ¹	Total Potential Gross Toll Revenue (\$ millions) ²	Less: Uncollectible Accounts (\$ millions) ³	Subtotal: Adjusted Gross Toll Revenue (\$ millions) ⁴	Less: Credit Card Fees (\$ millions) ⁵	Less: State Operations Costs (\$ millions) ⁶	Less: Customer Service Center (CSC) Vendor O&M Costs (\$ millions) ⁷	Less: Roadway Toll Systems (RTS) Vendor O&M Costs (\$ millions) ⁸	Less: Routine Facility O&M Costs (\$ millions) ⁹	Total Net Toll Revenue Before R&R (\$ millions)	Less: Periodic Facility R&R (\$ millions) ¹⁰	Less: Periodic Toll Equipment R&R (\$ millions) ¹¹	Total Net Toll Revenue After R&R (\$ millions)
2017	\$1.21	3.86	4.67	(0.37)	4.31	(0.11)	(3.19)	(2.08)	(1.05)		(2.12)			(2.12)
2018	\$1.25	4.49	5.62	(0.44)	5.18	(0.12)	(3.46)	(2.35)	(1.21)		(1.96)			(1.96)
2019	\$1.30	4.72	6.11	(0.48)	5.63	(0.13)	(3.58)	(2.47)	(1.14)		(1.69)		(0.37)	(2.06)
2020	\$1.34	4.93	6.61	(0.51)	6.10	(0.14)	(3.70)	(2.57)	(1.19)		(1.50)		(0.47)	(1.97)
2021	\$1.39	5.17	7.17	(0.58)	6.58	(0.15)	(3.79)	(2.67)	(1.36)		(1.38)		(0.60)	(1.98)
2022	\$2.12	10.40	22.04	(1.81)	20.24	(0.50)	(7.72)	(4.82)	(4.92)	(1.41)	0.86		(0.58)	0.29
2023	\$2.41	18.28	44.11	(3.58)	40.53	(1.00)	(11.62)	(8.12)	(3.84)	(2.89)	13.05			13.05
2024	\$2.55	19.27	49.17	(3.95)	45.22	(1.04)	(12.32)	(8.63)	(4.61)	(2.97)	15.65		(0.45)	15.20
2025	\$2.70	19.51	52.69	(4.18)	48.51	(1.11)	(12.64)	(8.92)	(4.20)	(3.04)	18.59	(5.39)	(1.00)	12.20
2026	\$2.86	19.73	56.43	(4.43)	52.00	(1.19)	(12.95)	(9.18)	(4.30)	(3.12)	21.26		(0.31)	20.94
2027	\$3.03	19.96	60.46	(4.69)	55.77	(1.28)	(13.27)	(9.47)	(5.03)	(3.20)	23.52			23.52
2028	\$3.21	20.19	64.81	(4.97)	59.84	(1.37)	(13.60)	(9.79)	(4.77)	(3.28)	27.03		(0.89)	26.14
2029	\$3.40	20.43	69.50	(5.27)	64.23	(1.47)	(13.94)	(10.12)	(5.84)	(3.36)	29.50		(53.17)	(23.67)
2030	\$3.61	20.67	74.57	(5.59)	68.98	(1.58)	(14.29)	(10.46)	(5.99)	(3.44)	33.23	(11.85)	(1.39)	19.98
2031	\$3.76	20.79	78.17	(5.86)	72.31	(1.66)	(14.71)	(10.86)	(6.14)	(3.53)	35.42	(6.67)	(2.29)	26.46
2032	\$3.85	20.79	80.12	(6.01)	74.12	(1.70)	(15.03)	(11.02)	(6.29)	(3.62)	36.45		(2.54)	33.91
2033	\$3.95	20.79	82.12	(6.16)	75.97	(1.74)	(15.36)	(11.28)	(6.45)	(3.71)	37.43			37.43
2034	\$4.05	20.79	84.18	(6.31)	77.87	(1.79)	(15.73)	(11.47)	(6.61)	(3.80)	38.48		(0.56)	37.91
2035	\$4.15	20.79	86.28	(6.47)	79.81	(1.83)	(16.09)	(11.80)	(6.77)	(3.89)	39.43	(11.00)	(1.65)	26.79
2036	\$4.25	20.79	88.44	(6.63)	81.81	(1.88)	(16.47)	(12.01)	(6.94)	(3.99)	40.52	(26.20)	(1.44)	12.88
2037	\$4.36	20.79	90.65	(6.79)	83.86	(1.92)	(16.86)	(12.28)	(7.12)	(4.09)	41.59		(0.67)	40.92
2038	\$4.47	20.79	92.92	(6.96)	85.95	(1.97)	(17.27)	(12.56)	(7.29)	(4.19)	42.66		(1.62)	41.04
2039	\$4.58	20.79	95.24	(7.14)	88.10	(2.02)	(17.70)	(12.86)	(7.48)	(4.30)	43.74		(66.70)	(22.96)
2040	\$4.70	20.79	97.62	(7.32)	90.30	(2.07)	(18.15)	(13.17)	(7.66)	(4.40)	44.84			44.84
2041	\$4.81	20.79	100.06	(7.50)	92.56	(2.12)	(18.60)	(13.48)	(7.85)	(4.51)	45.98	(15.83)	(2.84)	27.31
2042	\$4.93	20.79	102.56	(7.69)	94.87	(2.18)	(19.05)	(13.76)	(8.05)	(4.63)	47.20		(3.70)	43.50
2043	\$5.06	20.79	105.13	(7.88)	97.25	(2.23)	(19.51)	(14.10)	(8.25)	(4.74)	48.41		(1.31)	47.10
2044	\$5.18	20.79	107.75	(8.08)	99.68	(2.29)	(20.00)	(14.39)	(8.46)	(4.86)	49.68		(0.70)	48.98
2045	\$5.31	20.79	110.45	(8.28)	102.17	(2.34)	(20.48)	(14.73)	(8.67)	(4.98)	50.96	(26.00)	(1.56)	23.40
2046	\$5.45	20.79	113.21	(8.48)	104.72	(2.40)	(20.98)	(15.04)	(8.89)	(5.11)	52.31		(1.12)	51.19
2047	\$5.58	20.79	116.04	(8.70)	107.34	(2.46)	(21.48)	(15.41)	(9.11)	(5.24)	53.65		(1.98)	51.67
2048	\$5.72	20.79	118.94	(8.91)	110.03	(2.53)	(22.00)	(15.89)	(9.34)	(5.37)	54.90		(2.02)	52.88
2049	\$5.87	20.79	121.91	(9.14)	112.78	(2.59)	(22.55)	(16.22)	(9.57)	(5.50)	56.35		(83.76)	(27.41)
2050	\$6.01	20.79	124.96	(9.37)	115.60	(2.65)	(23.10)	(16.60)	(9.81)	(5.64)	57.79		(1.53)	56.26
2051	\$6.16	20.79	128.09	(9.60)	118.49	(2.72)	(23.65)	(17.01)	(10.05)	(5.78)	59.27	(48.87)	(3.55)	6.84
2052	\$6.32	20.79	131.29	(9.84)	121.45	(2.79)	(24.23)	(17.36)	(10.31)	(5.92)	60.84		(4.16)	56.67
2053	\$6.47	20.79	134.57	(10.09)	124.48	(2.86)	(24.81)	(17.77)	(10.56)	(6.07)	62.41			62.41
2054	\$6.64	20.79	137.93	(10.34)	127.60	(2.93)	(25.44)	(18.21)	(10.83)	(6.22)	63.97		(0.87)	63.10
2055	\$6.80	20.79	141.38	(10.60)	130.79	(3.00)	(26.05)	(18.64)	(11.10)	(6.38)	65.62	(18.02)	(2.93)	44.67
TOTAL		713.63	3196.75	(241.19)	2955.56	(67.95)	(627.72)	(450.94)	(260.24)	(147.18)	1401.53	(169.82)	(248.75)	982.96

⁰ Reflects the average revenue per projected toll trip.

¹ Estimated annual toll trips prepared by external traffic and revenue consultant.

² Estimated annual gross toll revenue prepared by external traffic and revenue consultant.

³ Revenue leakage due to hardware error, non-payment, or unidentifiable transactions.

⁴ Excludes additional revenue that would be collected from a \$5 rebilling fee assessed on the second invoice mailed when the first invoice to a Pay By Mail customer goes unpaid.

⁵ Credit card fees estimated as a % of adjusted gross toll revenue; additional factor included for fees related to account refunds.

⁶ Reflects I-405 share of state back office costs and inclusive of accounting, management, marketing functions.

⁷ I-405 share of customer service center (CSC) vendor contract costs for toll transaction processing and back office operations.

⁸ Reflects cost to operate and maintain toll collection (lane system) equipment.

⁹ Portion of all standard maintenance activities on I-405 and SR 167 (mowing, snow removal, etc.), allocated based on number of tolled lanes

¹⁰ Reflects re-paving costs with replacement frequency based on SR 520 project assumptions

¹¹ Reflects toll collection items with replacement frequency based on SR 520 project assumptions. Inclusive of state re-procurement costs for CSC and RTS vendor contracts.

Eastside Corridor (I-405 / SR 167 Express Toll Lanes) Traffic and Revenue Table

Scenario B — \$1.00 Carpool Discount — Phase 2 Opens 1/1/2022

PRELIMINARY NET TOLL REVENUE PROJECTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fiscal Year	Wtd. Average Toll Rate per Trip (one-way) ⁰	Annual Toll Trips (millions) ¹	Total Potential Gross Toll Revenue (\$ millions) ²	Less: Uncollectible Accounts (\$ millions) ³	Subtotal: Adjusted Gross Toll Revenue (\$ millions) ⁴	Less: Credit Card Fees (\$ millions) ⁵	Less: State Operations Costs (\$ millions) ⁶	Less: Customer Service Center (CSC) Vendor O&M Costs (\$ millions) ⁷	Less: Roadway Toll Systems (RTS) Vendor O&M Costs (\$ millions) ⁸	Less: Routine Facility O&M Costs (\$ millions) ⁹	Total Net Toll Revenue Before R&R (\$ millions)	Less: Periodic Facility R&R (\$ millions) ¹⁰	Less: Periodic Toll Equipment R&R (\$ millions) ¹¹	Total Net Toll Revenue After R&R (\$ millions)
2017	\$0.32	16.60	5.31	(0.80)	4.51	(0.11)	(2.64)	(3.40)	(0.78)		(2.43)			(2.43)
2018	\$0.34	18.36	6.27	(0.94)	5.33	(0.12)	(2.67)	(3.74)	(0.90)		(2.10)			(2.10)
2019	\$0.35	19.86	7.04	(1.06)	5.99	(0.14)	(2.79)	(4.02)	(0.85)		(1.81)		(0.54)	(2.35)
2020	\$0.37	21.47	7.90	(1.19)	6.72	(0.15)	(2.92)	(4.35)	(0.88)		(1.58)		(0.72)	(2.30)
2021	\$0.38	23.22	8.87	(1.33)	7.54	(0.17)	(3.05)	(4.80)	(1.01)		(1.49)		(0.96)	(2.45)
2022	\$0.92	38.99	35.74	(5.36)	30.38	(0.75)	(5.41)	(7.83)	(3.66)	(1.41)	11.32		(0.76)	10.55
2023	\$1.20	64.77	77.69	(11.65)	66.03	(1.63)	(6.42)	(12.13)	(2.85)	(2.89)	40.10			40.10
2024	\$1.33	68.50	91.40	(13.71)	77.69	(1.78)	(6.68)	(12.81)	(3.43)	(2.97)	50.03		(0.53)	49.49
2025	\$1.49	69.40	103.16	(15.47)	87.68	(2.01)	(6.84)	(13.21)	(3.12)	(3.04)	59.45	(5.39)	(0.72)	53.34
2026	\$1.66	70.19	116.21	(17.43)	98.78	(2.27)	(7.01)	(13.64)	(3.20)	(3.12)	69.55		(0.19)	69.36
2027	\$1.84	70.99	130.93	(19.64)	111.29	(2.55)	(7.18)	(14.00)	(3.74)	(3.20)	80.62			80.62
2028	\$2.05	71.81	147.51	(22.13)	125.38	(2.88)	(7.36)	(14.42)	(3.55)	(3.28)	93.91		(1.06)	92.85
2029	\$2.29	72.63	166.19	(24.93)	141.26	(3.24)	(7.55)	(14.85)	(4.34)	(3.36)	107.92		(40.81)	67.11
2030	\$2.55	73.47	187.25	(28.09)	159.16	(3.65)	(7.74)	(15.34)	(4.45)	(3.44)	124.53	(11.85)	(1.65)	111.03
2031	\$2.72	73.89	200.89	(30.13)	170.75	(3.92)	(7.92)	(15.87)	(4.56)	(3.53)	134.95	(6.67)	(1.37)	126.90
2032	\$2.79	73.89	205.91	(30.89)	175.02	(4.02)	(8.08)	(16.28)	(4.68)	(3.62)	138.36		(1.52)	136.84
2033	\$2.86	73.89	211.06	(31.66)	179.40	(4.12)	(8.23)	(16.56)	(4.79)	(3.71)	141.99			141.99
2034	\$2.93	73.89	216.33	(32.45)	183.88	(4.22)	(8.41)	(16.91)	(4.91)	(3.80)	145.63		(0.67)	144.96
2035	\$3.00	73.89	221.74	(33.26)	188.48	(4.33)	(8.58)	(17.27)	(5.04)	(3.89)	149.37	(11.00)	(1.37)	137.01
2036	\$3.08	73.89	227.28	(34.09)	193.19	(4.43)	(8.77)	(17.65)	(5.16)	(3.99)	153.18	(26.20)	(1.54)	125.45
2037	\$3.15	73.89	232.97	(34.94)	198.02	(4.54)	(8.97)	(17.99)	(5.29)	(4.09)	157.13		(0.80)	156.34
2038	\$3.23	73.89	238.79	(35.82)	202.97	(4.66)	(9.18)	(18.35)	(5.42)	(4.19)	161.17		(1.94)	159.22
2039	\$3.31	73.89	244.76	(36.71)	208.05	(4.77)	(9.41)	(18.79)	(5.56)	(4.30)	165.22		(50.64)	114.58
2040	\$3.40	73.89	250.88	(37.63)	213.25	(4.89)	(9.65)	(19.33)	(5.70)	(4.40)	169.27			169.27
2041	\$3.48	73.89	257.15	(38.57)	218.58	(5.02)	(9.88)	(19.74)	(5.84)	(4.51)	173.59	(15.83)	(1.71)	156.05
2042	\$3.57	73.89	263.58	(39.54)	224.04	(5.14)	(10.11)	(20.22)	(5.99)	(4.63)	177.95		(2.49)	175.46
2043	\$3.66	73.89	270.17	(40.53)	229.64	(5.27)	(10.34)	(20.65)	(6.14)	(4.74)	182.50		(1.57)	180.93
2044	\$3.75	73.89	276.92	(41.54)	235.38	(5.40)	(10.61)	(21.08)	(6.29)	(4.86)	187.14		(0.83)	186.30
2045	\$3.84	73.89	283.85	(42.58)	241.27	(5.54)	(10.85)	(21.58)	(6.45)	(4.98)	191.87	(26.00)	(1.12)	164.74
2046	\$3.94	73.89	290.94	(43.64)	247.30	(5.68)	(11.11)	(22.11)	(6.61)	(5.11)	196.69		(1.16)	195.53
2047	\$4.04	73.89	298.22	(44.73)	253.48	(5.82)	(11.36)	(22.58)	(6.77)	(5.24)	201.72		(2.37)	199.34
2048	\$4.14	73.89	305.67	(45.85)	259.82	(5.96)	(11.64)	(23.05)	(6.94)	(5.37)	206.86		(2.43)	204.43
2049	\$4.24	73.89	313.31	(47.00)	266.32	(6.11)	(11.92)	(23.74)	(7.12)	(5.50)	211.92		(62.89)	149.03
2050	\$4.35	73.89	321.15	(48.17)	272.97	(6.26)	(12.21)	(24.38)	(7.30)	(5.64)	217.18		(1.84)	215.34
2051	\$4.46	73.89	329.17	(49.38)	279.80	(6.42)	(12.49)	(24.90)	(7.48)	(5.78)	222.73	(48.87)	(2.13)	171.73
2052	\$4.57	73.89	337.40	(50.61)	286.79	(6.58)	(12.80)	(25.48)	(7.66)	(5.92)	228.34		(2.50)	225.85
2053	\$4.68	73.89	345.84	(51.88)	293.96	(6.75)	(13.09)	(26.02)	(7.86)	(6.07)	234.17			234.17
2054	\$4.80	73.89	354.48	(53.17)	301.31	(6.92)	(13.43)	(26.66)	(8.05)	(6.22)	240.03		(1.04)	238.99
2055	\$4.92	73.89	363.35	(54.50)	308.84	(7.09)	(13.74)	(27.36)	(8.25)	(6.38)	246.03	(18.02)	(2.59)	225.42
TOTAL		2560.71	7957.20	(1193.58)	6763.62	(155.41)	(341.48)	(665.85)	(193.53)	(147.18)	5260.16	(169.82)	(194.47)	4895.87

⁰ Reflects the average revenue per projected toll trip.

¹ Estimated annual toll trips prepared by external traffic and revenue consultant.

² Estimated annual gross toll revenue prepared by external traffic and revenue consultant.

³ Revenue leakage due to hardware error, non-payment, or unidentifiable transactions.

⁴ Excludes additional revenue that would be collected from a \$5 rebilling fee assessed on the second invoice mailed when the first invoice to a Pay By Mail customer goes unpaid.

⁵ Credit card fees estimated as a % of adjusted gross toll revenue; additional factor included for fees related to account refunds.

⁶ Reflects I-405 share of state back office costs and inclusive of accounting, management, marketing functions.

⁷ I-405 share of customer service center (CSC) vendor contract costs for toll transaction processing and back office operations.

⁸ Reflects cost to operate and maintain toll collection (lane system) equipment.

⁹ Portion of all standard maintenance activities on I-405 and SR 167 (mowing, snow removal, etc.), allocated based on number of tolled lanes

¹⁰ Reflects re-paving costs with replacement frequency based on SR 520 project assumptions

¹¹ Reflects toll collection items with replacement frequency based on SR 520 project assumptions. Inclusive of state re-procurement costs for CSC and RTS vendor contracts.

Eastside Corridor (I-405 / SR 167 Express Toll Lanes) Traffic and Revenue Table

Scenario B-2 — \$0.50 Carpool Discount | Photo Tolling — Phase 2 Opens 1/1/2022

PRELIMINARY NET TOLL REVENUE PROJECTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fiscal Year	Wtd. Average Toll Rate per Trip (one-way) ⁰	Annual Toll Trips (millions) ¹	Total Potential Gross Toll Revenue (\$ millions) ²	Less: Uncollectible Accounts (\$ millions) ³	Subtotal: Adjusted Gross Toll Revenue (\$ millions) ⁴	Less: Credit Card Fees (\$ millions) ⁵	Less: State Operations Costs (\$ millions) ⁶	Less: Customer Service Center (CSC) Vendor O&M Costs (\$ millions) ⁷	Less: Roadway Toll Systems (RTS) Vendor O&M Costs (\$ millions) ⁸	Less: Routine Facility O&M Costs (\$ millions) ⁹	Total Net Toll Revenue Before R&R (\$ millions)	Less: Periodic Facility R&R (\$ millions) ¹⁰	Less: Periodic Toll Equipment R&R (\$ millions) ¹¹	Total Net Toll Revenue After R&R (\$ millions)
2017	\$0.83	11.19	9.25	(0.73)	8.53	(0.21)	(3.10)	(2.37)	(1.05)		1.79			1.79
2018	\$0.86	12.99	11.20	(0.88)	10.32	(0.24)	(3.36)	(2.77)	(1.21)		2.74			2.74
2019	\$0.88	15.36	13.52	(1.05)	12.46	(0.29)	(3.80)	(3.24)	(1.14)		4.00		(0.45)	3.55
2020	\$0.90	18.15	16.30	(1.27)	15.03	(0.34)	(4.30)	(3.78)	(1.19)		5.42		(0.64)	4.77
2021	\$0.92	21.47	19.65	(1.60)	18.05	(0.41)	(4.84)	(4.47)	(1.36)		6.96		(0.91)	6.05
2022	\$1.35	34.39	46.53	(3.81)	42.71	(1.06)	(8.07)	(7.07)	(4.92)	(1.41)	20.18		(0.71)	19.47
2023	\$1.59	55.47	88.45	(7.18)	81.26	(2.01)	(11.05)	(10.67)	(3.84)	(2.89)	50.79			50.79
2024	\$1.72	59.23	102.00	(8.19)	93.81	(2.15)	(11.72)	(11.27)	(4.61)	(2.97)	61.08		(0.50)	60.58
2025	\$1.87	60.49	113.08	(8.98)	104.10	(2.39)	(12.06)	(11.78)	(4.20)	(3.04)	70.63	(5.39)	(1.13)	64.11
2026	\$2.03	61.67	125.14	(9.83)	115.31	(2.65)	(12.39)	(12.20)	(4.30)	(3.12)	80.66		(0.31)	80.34
2027	\$2.20	62.87	138.48	(10.75)	127.73	(2.93)	(12.73)	(12.65)	(5.03)	(3.20)	91.20			91.20
2028	\$2.39	64.09	153.25	(11.76)	141.50	(3.25)	(13.08)	(13.14)	(4.77)	(3.28)	103.98		(1.01)	102.98
2029	\$2.60	65.34	169.60	(12.86)	156.74	(3.60)	(13.45)	(13.73)	(5.84)	(3.36)	116.77		(53.56)	63.22
2030	\$2.82	66.62	187.70	(14.06)	173.63	(3.98)	(13.82)	(14.24)	(5.99)	(3.44)	132.16	(11.85)	(1.58)	118.73
2031	\$2.97	67.26	199.67	(14.96)	184.70	(4.24)	(14.22)	(14.65)	(6.14)	(3.53)	141.92	(6.67)	(2.29)	132.96
2032	\$3.04	67.26	204.66	(15.34)	189.32	(4.34)	(14.53)	(14.95)	(6.29)	(3.62)	145.59		(2.54)	143.05
2033	\$3.12	67.26	209.77	(15.72)	194.05	(4.45)	(14.84)	(15.25)	(6.45)	(3.71)	149.35			149.35
2034	\$3.20	67.26	215.02	(16.12)	198.90	(4.56)	(15.19)	(15.52)	(6.61)	(3.80)	153.22		(0.64)	152.58
2035	\$3.28	67.26	220.39	(16.52)	203.88	(4.68)	(15.53)	(15.94)	(6.77)	(3.89)	157.06	(11.00)	(1.89)	144.17
2036	\$3.36	67.26	225.90	(16.93)	208.97	(4.80)	(15.89)	(16.28)	(6.94)	(3.99)	161.07	(26.20)	(1.61)	133.27
2037	\$3.44	67.26	231.55	(17.35)	214.20	(4.92)	(16.26)	(16.65)	(7.12)	(4.09)	165.16		(0.76)	164.40
2038	\$3.53	67.26	237.34	(17.79)	219.55	(5.04)	(16.66)	(16.98)	(7.29)	(4.19)	169.39		(1.86)	167.53
2039	\$3.62	67.26	243.27	(18.23)	225.04	(5.16)	(17.08)	(17.29)	(7.48)	(4.30)	173.73		(67.04)	106.70
2040	\$3.71	67.26	249.36	(18.69)	230.67	(5.29)	(17.51)	(17.76)	(7.66)	(4.40)	178.04			178.04
2041	\$3.80	67.26	255.59	(19.16)	236.43	(5.43)	(17.93)	(18.13)	(7.85)	(4.51)	182.57	(15.83)	(2.84)	163.90
2042	\$3.89	67.26	261.98	(19.64)	242.34	(5.56)	(18.37)	(18.60)	(8.05)	(4.63)	187.14		(3.77)	183.37
2043	\$3.99	67.26	268.53	(20.13)	248.40	(5.70)	(18.81)	(18.99)	(8.25)	(4.74)	191.91		(1.51)	190.41
2044	\$4.09	67.26	275.24	(20.63)	254.61	(5.84)	(19.28)	(19.64)	(8.46)	(4.86)	196.53		(0.80)	195.73
2045	\$4.19	67.26	282.12	(21.15)	260.98	(5.99)	(19.74)	(20.11)	(8.67)	(4.98)	201.49	(26.00)	(1.79)	173.70
2046	\$4.30	67.26	289.18	(21.67)	267.50	(6.14)	(20.22)	(20.53)	(8.89)	(5.11)	206.62		(1.25)	205.38
2047	\$4.41	67.26	296.41	(22.22)	274.19	(6.29)	(20.70)	(20.96)	(9.11)	(5.24)	211.89		(2.27)	209.62
2048	\$4.52	67.26	303.82	(22.77)	281.05	(6.45)	(21.21)	(21.58)	(9.34)	(5.37)	217.10		(2.32)	214.78
2049	\$4.63	67.26	311.41	(23.34)	288.07	(6.61)	(21.73)	(22.03)	(9.57)	(5.50)	222.62		(83.96)	138.66
2050	\$4.75	67.26	319.20	(23.92)	295.27	(6.78)	(22.26)	(22.55)	(9.81)	(5.64)	228.23		(1.76)	226.47
2051	\$4.86	67.26	327.18	(24.52)	302.66	(6.95)	(22.79)	(23.03)	(10.05)	(5.78)	234.05	(48.87)	(3.55)	181.63
2052	\$4.99	67.26	335.36	(25.13)	310.22	(7.12)	(23.35)	(23.59)	(10.31)	(5.92)	239.93		(4.16)	235.77
2053	\$5.11	67.26	343.74	(25.76)	317.98	(7.30)	(23.91)	(24.08)	(10.56)	(6.07)	246.05			246.05
2054	\$5.24	67.26	352.33	(26.41)	325.93	(7.48)	(24.52)	(24.59)	(10.83)	(6.22)	252.29		(1.00)	251.29
2055	\$5.37	67.26	361.14	(27.07)	334.07	(7.67)	(25.10)	(25.25)	(11.10)	(6.38)	258.58	(18.02)	(3.37)	237.19
TOTAL		2299.63	8021.20	(604.66)	7416.53	(170.46)	(608.10)	(610.19)	(260.24)	(147.18)	5620.37	(169.82)	(253.80)	5196.75

⁰ Reflects the average revenue per projected toll trip.

¹ Estimated annual toll trips prepared by external traffic and revenue consultant.

² Estimated annual gross toll revenue prepared by external traffic and revenue consultant.

³ Revenue leakage due to hardware error, non-payment, or unidentifiable transactions.

⁴ Excludes additional revenue that would be collected from a \$5 rebilling fee assessed on the second invoice mailed when the first invoice to a Pay By Mail customer goes unpaid.

⁵ Credit card fees estimated as a % of adjusted gross toll revenue; additional factor included for fees related to account refunds.

⁶ Reflects I-405 share of state back office costs and inclusive of accounting, management, marketing functions.

⁷ I-405 share of customer service center (CSC) vendor contract costs for toll transaction processing and back office operations.

⁸ Reflects cost to operate and maintain toll collection (lane system) equipment.

⁹ Portion of all standard maintenance activities on I-405 and SR 167 (mowing, snow removal, etc.), allocated based on number of tolled lanes

¹⁰ Reflects re-paving costs with replacement frequency based on SR 520 project assumptions

¹¹ Reflects toll collection items with replacement frequency based on SR 520 project assumptions. Inclusive of state re-procurement costs for CSC and RTS vendor contracts.

Eastside Corridor (I-405 / SR 167 Express Toll Lanes) Traffic and Revenue Table

Scenario C — 2+ Carpool Free Off-Peak | 3+ Carpool Free Peak | Photo Tolling — Phase 2 Opens 1/1/2022

PRELIMINARY NET TOLL REVENUE PROJECTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fiscal Year	Wtd. Average Toll Rate per Trip (one-way) ⁰	Annual Toll Trips (millions) ¹	Total Potential Gross Toll Revenue (\$ millions) ²	Less: Uncollectible Accounts (\$ millions) ³	Subtotal: Adjusted Gross Toll Revenue (\$ millions) ⁴	Less: Credit Card Fees (\$ millions) ⁵	Less: State Operations Costs (\$ millions) ⁶	Less: Customer Service Center (CSC) Vendor O&M Costs (\$ millions) ⁷	Less: Roadway Toll Systems (RTS) Vendor O&M Costs (\$ millions) ⁸	Less: Routine Facility O&M Costs (\$ millions) ⁹	Total Net Toll Revenue Before R&R (\$ millions)	Less: Periodic Facility R&R (\$ millions) ¹⁰	Less: Periodic Toll Equipment R&R (\$ millions) ¹¹	Total Net Toll Revenue After R&R (\$ millions)
2017	\$1.16	7.05	8.22	(0.64)	7.57	(0.19)	(3.08)	(2.08)	(1.05)		1.17			1.17
2018	\$1.23	8.04	9.92	(0.78)	9.14	(0.21)	(3.30)	(2.34)	(1.21)		2.09			2.09
2019	\$1.31	8.27	10.82	(0.84)	9.97	(0.23)	(3.40)	(2.44)	(1.14)		2.76		(0.36)	2.40
2020	\$1.39	8.49	11.76	(0.92)	10.85	(0.25)	(3.51)	(2.51)	(1.19)		3.40		(0.46)	2.94
2021	\$1.47	8.71	12.79	(1.04)	11.75	(0.27)	(3.58)	(2.62)	(1.36)		3.93		(0.59)	3.34
2022	\$2.24	18.18	40.80	(3.34)	37.45	(0.93)	(7.43)	(5.08)	(4.92)	(1.41)	17.67		(0.59)	17.08
2023	\$2.55	32.78	83.71	(6.80)	76.91	(1.90)	(11.17)	(8.89)	(3.84)	(2.89)	48.21			48.21
2024	\$2.75	34.78	95.57	(7.68)	87.90	(2.02)	(11.84)	(9.40)	(4.61)	(2.97)	57.06		(0.46)	56.60
2025	\$2.96	35.38	104.69	(8.31)	96.38	(2.21)	(12.16)	(9.75)	(4.20)	(3.04)	65.01	(5.39)	(1.04)	58.58
2026	\$3.19	35.94	114.55	(8.99)	105.56	(2.42)	(12.48)	(10.07)	(4.30)	(3.12)	73.17		(0.31)	72.86
2027	\$3.43	36.51	125.34	(9.73)	115.61	(2.65)	(12.79)	(10.40)	(5.03)	(3.20)	81.54			81.54
2028	\$3.70	37.10	137.14	(10.52)	126.62	(2.91)	(13.12)	(10.88)	(4.77)	(3.28)	91.66		(0.92)	90.74
2029	\$3.98	37.69	150.05	(11.38)	138.67	(3.18)	(13.47)	(11.21)	(5.84)	(3.36)	101.61		(53.28)	48.33
2030	\$4.29	38.29	164.18	(12.30)	151.88	(3.49)	(13.82)	(11.63)	(5.99)	(3.44)	113.52	(11.85)	(1.45)	100.22
2031	\$4.50	38.60	173.71	(13.02)	160.69	(3.69)	(14.22)	(11.97)	(6.14)	(3.53)	121.15	(6.67)	(2.29)	112.18
2032	\$4.61	38.60	178.05	(13.34)	164.71	(3.78)	(14.53)	(12.20)	(6.29)	(3.62)	124.29		(2.54)	121.75
2033	\$4.73	38.60	182.50	(13.68)	168.82	(3.87)	(14.85)	(12.44)	(6.45)	(3.71)	127.50			127.50
2034	\$4.85	38.60	187.06	(14.02)	173.04	(3.97)	(15.20)	(12.70)	(6.61)	(3.80)	130.76		(0.59)	130.18
2035	\$4.97	38.60	191.74	(14.37)	177.37	(4.07)	(15.54)	(12.97)	(6.77)	(3.89)	134.12	(11.00)	(1.72)	121.41
2036	\$5.09	38.60	196.53	(14.73)	181.80	(4.17)	(15.91)	(13.25)	(6.94)	(3.99)	137.54	(26.20)	(1.49)	109.85
2037	\$5.22	38.60	201.45	(15.10)	186.35	(4.28)	(16.29)	(13.58)	(7.12)	(4.09)	141.00		(0.69)	140.30
2038	\$5.35	38.60	206.48	(15.48)	191.01	(4.38)	(16.68)	(13.85)	(7.29)	(4.19)	144.61		(1.69)	142.92
2039	\$5.48	38.60	211.65	(15.86)	195.78	(4.49)	(17.10)	(14.18)	(7.48)	(4.30)	148.24		(66.80)	81.44
2040	\$5.62	38.60	216.94	(16.26)	200.68	(4.61)	(17.53)	(14.51)	(7.66)	(4.40)	151.96			151.96
2041	\$5.76	38.60	222.36	(16.67)	205.69	(4.72)	(17.97)	(14.81)	(7.85)	(4.51)	155.82	(15.83)	(2.84)	137.15
2042	\$5.90	38.60	227.92	(17.08)	210.84	(4.84)	(18.40)	(15.12)	(8.05)	(4.63)	159.80		(3.72)	156.07
2043	\$6.05	38.60	233.62	(17.51)	216.11	(4.96)	(18.84)	(15.49)	(8.25)	(4.74)	163.82		(1.37)	162.45
2044	\$6.20	38.60	239.46	(17.95)	221.51	(5.08)	(19.32)	(15.81)	(8.46)	(4.86)	167.98		(0.72)	167.25
2045	\$6.36	38.60	245.44	(18.40)	227.05	(5.21)	(19.78)	(16.19)	(8.67)	(4.98)	172.22	(26.00)	(1.63)	144.60
2046	\$6.52	38.60	251.58	(18.86)	232.72	(5.34)	(20.26)	(16.52)	(8.89)	(5.11)	176.61		(1.16)	175.45
2047	\$6.68	38.60	257.87	(19.33)	238.54	(5.47)	(20.74)	(17.01)	(9.11)	(5.24)	180.97		(2.06)	178.91
2048	\$6.85	38.60	264.32	(19.81)	244.51	(5.61)	(21.25)	(17.37)	(9.34)	(5.37)	185.58		(2.10)	183.47
2049	\$7.02	38.60	270.92	(20.31)	250.62	(5.75)	(21.77)	(17.78)	(9.57)	(5.50)	190.25		(83.82)	106.43
2050	\$7.19	38.60	277.70	(20.81)	256.88	(5.90)	(22.30)	(18.38)	(9.81)	(5.64)	194.86		(1.59)	193.27
2051	\$7.37	38.60	284.64	(21.33)	263.31	(6.04)	(22.84)	(18.83)	(10.05)	(5.78)	199.77	(48.87)	(3.55)	147.34
2052	\$7.56	38.60	291.76	(21.87)	269.89	(6.19)	(23.40)	(19.22)	(10.31)	(5.92)	204.85		(4.16)	200.69
2053	\$7.75	38.60	299.05	(22.41)	276.64	(6.35)	(23.96)	(19.68)	(10.56)	(6.07)	210.02			210.02
2054	\$7.94	38.60	306.53	(22.97)	283.55	(6.51)	(24.56)	(20.16)	(10.83)	(6.22)	215.27		(0.90)	214.37
2055	\$8.14	38.60	314.19	(23.55)	290.64	(6.67)	(25.15)	(20.63)	(11.10)	(6.38)	220.71	(18.02)	(3.05)	199.64
TOTAL		1316.65	7007.87	(528.37)	6479.50	(148.93)	(605.92)	(495.29)	(260.24)	(147.18)	4821.94	(169.82)	(249.95)	4402.17

⁰ Reflects the average revenue per projected toll trip.

¹ Estimated annual toll trips prepared by external traffic and revenue consultant.

² Estimated annual gross toll revenue prepared by external traffic and revenue consultant.

³ Revenue leakage due to hardware error, non-payment, or unidentifiable transactions.

⁴ Excludes additional revenue that would be collected from a \$5 rebilling fee assessed on the second invoice mailed when the first invoice to a Pay By Mail customer goes unpaid.

⁵ Credit card fees estimated as a % of adjusted gross toll revenue; additional factor included for fees related to account refunds.

⁶ Reflects I-405 share of state back office costs and inclusive of accounting, management, marketing functions.

⁷ I-405 share of customer service center (CSC) vendor contract costs for toll transaction processing and back office operations.

⁸ Reflects cost to operate and maintain toll collection (lane system) equipment.

⁹ Portion of all standard maintenance activities on I-405 and SR 167 (mowing, snow removal, etc.), allocated based on number of tolled lanes

¹⁰ Reflects re-paving costs with replacement frequency based on SR 520 project assumptions

¹¹ Reflects toll collection items with replacement frequency based on SR 520 project assumptions. Inclusive of state re-procurement costs for CSC and RTS vendor contracts.

Eastside Corridor (I-405 / SR 167 Express Toll Lanes) Traffic and Revenue Table

Scenario D — 3+ Carpool Free | Photo Tolling — Phase 2 Opens 1/1/2022

PRELIMINARY NET TOLL REVENUE PROJECTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fiscal Year	Wtd. Average Toll Rate per Trip (one-way) ⁰	Annual Toll Trips (millions) ¹	Total Potential Gross Toll Revenue (\$ millions) ²	Less: Uncollectible Accounts (\$ millions) ³	Subtotal: Adjusted Gross Toll Revenue (\$ millions) ⁴	Less: Credit Card Fees (\$ millions) ⁵	Less: State Operations Costs (\$ millions) ⁶	Less: Customer Service Center (CSC) Vendor O&M Costs (\$ millions) ⁷	Less: Roadway Toll Systems (RTS) Vendor O&M Costs (\$ millions) ⁸	Less: Routine Facility O&M Costs (\$ millions) ⁹	Total Net Toll Revenue Before R&R (\$ millions)	Less: Periodic Facility R&R (\$ millions) ¹⁰	Less: Periodic Toll Equipment R&R (\$ millions) ¹¹	Total Net Toll Revenue After R&R (\$ millions)
2017	\$1.13	7.92	8.96	(0.70)	8.25	(0.20)	(2.59)	(1.93)	(1.05)		2.47			2.47
2018	\$1.20	9.00	10.75	(0.84)	9.91	(0.23)	(2.77)	(2.18)	(1.21)		3.53			3.53
2019	\$1.26	9.23	11.67	(0.91)	10.76	(0.25)	(2.85)	(2.23)	(1.14)		4.29		(0.33)	3.96
2020	\$1.34	9.45	12.62	(0.98)	11.63	(0.27)	(2.94)	(2.34)	(1.19)		4.91		(0.43)	4.48
2021	\$1.41	9.67	13.65	(1.11)	12.53	(0.29)	(2.99)	(2.45)	(1.36)		5.45		(0.54)	4.91
2022	\$2.08	21.24	44.15	(3.62)	40.53	(1.00)	(6.82)	(5.13)	(4.92)	(1.41)	21.24		(0.58)	20.66
2023	\$2.33	39.15	91.12	(7.40)	83.72	(2.07)	(10.41)	(9.09)	(3.84)	(2.89)	55.42			55.42
2024	\$2.49	41.77	103.91	(8.35)	95.56	(2.19)	(11.07)	(9.56)	(4.61)	(2.97)	65.16		(0.46)	64.70
2025	\$2.66	42.67	113.59	(9.02)	104.57	(2.40)	(11.39)	(10.01)	(4.20)	(3.04)	73.53	(5.39)	(1.05)	67.10
2026	\$2.85	43.54	124.03	(9.74)	114.29	(2.62)	(11.72)	(10.32)	(4.30)	(3.12)	82.21		(0.31)	81.90
2027	\$3.05	44.43	135.43	(10.51)	124.92	(2.87)	(12.05)	(10.87)	(5.03)	(3.20)	90.90			90.90
2028	\$3.26	45.34	147.88	(11.35)	136.53	(3.13)	(12.40)	(11.23)	(4.77)	(3.28)	101.73		(0.93)	100.80
2029	\$3.49	46.27	161.47	(12.24)	149.22	(3.42)	(12.76)	(11.59)	(5.84)	(3.36)	112.25		(53.32)	58.93
2030	\$3.73	47.22	176.31	(13.21)	163.10	(3.74)	(13.13)	(12.25)	(5.99)	(3.44)	124.56	(11.85)	(1.47)	111.23
2031	\$3.91	47.70	186.36	(13.97)	172.39	(3.96)	(13.53)	(12.58)	(6.14)	(3.53)	132.67	(6.67)	(2.29)	123.70
2032	\$4.00	47.70	191.02	(14.32)	176.70	(4.06)	(13.82)	(12.78)	(6.29)	(3.62)	136.14		(2.54)	133.60
2033	\$4.10	47.70	195.79	(14.67)	181.12	(4.16)	(14.12)	(13.04)	(6.45)	(3.71)	139.65			139.65
2034	\$4.21	47.70	200.69	(15.04)	185.65	(4.26)	(14.45)	(13.31)	(6.61)	(3.80)	143.22		(0.60)	142.63
2035	\$4.31	47.70	205.70	(15.42)	190.29	(4.37)	(14.77)	(13.62)	(6.77)	(3.89)	146.86	(11.00)	(1.75)	134.11
2036	\$4.42	47.70	210.85	(15.80)	195.04	(4.48)	(15.12)	(13.92)	(6.94)	(3.99)	150.59	(26.20)	(1.51)	122.89
2037	\$4.53	47.70	216.12	(16.20)	199.92	(4.59)	(15.47)	(14.22)	(7.12)	(4.09)	154.43		(0.71)	153.72
2038	\$4.64	47.70	221.52	(16.60)	204.92	(4.70)	(15.85)	(14.50)	(7.29)	(4.19)	158.37		(1.72)	156.65
2039	\$4.76	47.70	227.06	(17.02)	210.04	(4.82)	(16.25)	(14.92)	(7.48)	(4.30)	162.27		(66.84)	95.43
2040	\$4.88	47.70	232.73	(17.44)	215.29	(4.94)	(16.66)	(15.28)	(7.66)	(4.40)	166.35			166.35
2041	\$5.00	47.70	238.55	(17.88)	220.67	(5.06)	(17.07)	(15.59)	(7.85)	(4.51)	170.58	(15.83)	(2.84)	151.91
2042	\$5.13	47.70	244.52	(18.33)	226.19	(5.19)	(17.48)	(15.92)	(8.05)	(4.63)	174.92		(3.73)	171.19
2043	\$5.25	47.70	250.63	(18.78)	231.85	(5.32)	(17.90)	(16.30)	(8.25)	(4.74)	179.33		(1.39)	177.93
2044	\$5.39	47.70	256.90	(19.25)	237.64	(5.45)	(18.35)	(16.64)	(8.46)	(4.86)	183.87		(0.74)	183.13
2045	\$5.52	47.70	263.32	(19.74)	243.58	(5.59)	(18.79)	(17.04)	(8.67)	(4.98)	188.52	(26.00)	(1.66)	160.86
2046	\$5.66	47.70	269.90	(20.23)	249.67	(5.73)	(19.24)	(17.44)	(8.89)	(5.11)	193.27		(1.17)	192.09
2047	\$5.80	47.70	276.65	(20.73)	255.91	(5.87)	(19.70)	(17.92)	(9.11)	(5.24)	198.08		(2.10)	195.98
2048	\$5.94	47.70	283.56	(21.25)	262.31	(6.02)	(20.18)	(18.29)	(9.34)	(5.37)	203.12		(2.14)	200.97
2049	\$6.09	47.70	290.65	(21.78)	268.87	(6.17)	(20.68)	(18.67)	(9.57)	(5.50)	208.28		(83.85)	124.43
2050	\$6.25	47.70	297.92	(22.33)	275.59	(6.32)	(21.18)	(19.11)	(9.81)	(5.64)	213.52		(1.62)	211.90
2051	\$6.40	47.70	305.37	(22.89)	282.48	(6.48)	(21.69)	(19.63)	(10.05)	(5.78)	218.84	(48.87)	(3.55)	166.42
2052	\$6.56	47.70	313.00	(23.46)	289.54	(6.65)	(22.22)	(20.04)	(10.31)	(5.92)	224.41		(4.16)	220.24
2053	\$6.73	47.70	320.83	(24.05)	296.78	(6.81)	(22.75)	(20.46)	(10.56)	(6.07)	230.13			230.13
2054	\$6.89	47.70	328.85	(24.65)	304.20	(6.98)	(23.33)	(20.96)	(10.83)	(6.22)	235.88		(0.92)	234.97
2055	\$7.07	47.70	337.07	(25.26)	311.81	(7.16)	(23.88)	(21.51)	(11.10)	(6.38)	241.78	(18.02)	(3.11)	220.66
TOTAL		1614.46	7526.40	(567.50)	6958.90	(159.95)	(572.36)	(516.09)	(260.24)	(147.18)	5303.08	(169.82)	(250.38)	4882.88

⁰ Reflects the average revenue per projected toll trip.

¹ Estimated annual toll trips prepared by external traffic and revenue consultant.

² Estimated annual gross toll revenue prepared by external traffic and revenue consultant.

³ Revenue leakage due to hardware error, non-payment, or unidentifiable transactions.

⁴ Excludes additional revenue that would be collected from a \$5 rebilling fee assessed on the second invoice mailed when the first invoice to a Pay By Mail customer goes unpaid.

⁵ Credit card fees estimated as a % of adjusted gross toll revenue; additional factor included for fees related to account refunds.

⁶ Reflects I-405 share of state back office costs and inclusive of accounting, management, marketing functions.

⁷ I-405 share of customer service center (CSC) vendor contract costs for toll transaction processing and back office operations.

⁸ Reflects cost to operate and maintain toll collection (lane system) equipment.

⁹ Portion of all standard maintenance activities on I-405 and SR 167 (mowing, snow removal, etc.), allocated based on number of tolled lanes

¹⁰ Reflects re-paving costs with replacement frequency based on SR 520 project assumptions

¹¹ Reflects toll collection items with replacement frequency based on SR 520 project assumptions. Inclusive of state re-procurement costs for CSC and RTS vendor contracts.

Eastside Corridor (I-405 / SR 167 Express Toll Lanes) Traffic and Revenue Table

Scenario E — 3+ Carpool Free — Phase 2 Opens 1/1/2022

PRELIMINARY NET TOLL REVENUE PROJECTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fiscal Year	Wtd. Average Toll Rate per Trip (one-way) ⁰	Annual Toll Trips (millions) ¹	Total Potential Gross Toll Revenue (\$ millions) ²	Less: Uncollectible Accounts (\$ millions) ³	Subtotal: Adjusted Gross Toll Revenue (\$ millions) ⁴	Less: Credit Card Fees (\$ millions) ⁵	Less: State Operations Costs (\$ millions) ⁶	Less: Customer Service Center (CSC) Vendor O&M Costs (\$ millions) ⁷	Less: Roadway Toll Systems (RTS) Vendor O&M Costs (\$ millions) ⁸	Less: Routine Facility O&M Costs (\$ millions) ⁹	Total Net Toll Revenue Before R&R (\$ millions)	Less: Periodic Facility R&R (\$ millions) ¹⁰	Less: Periodic Toll Equipment R&R (\$ millions) ¹¹	Total Net Toll Revenue After R&R (\$ millions)
2017	\$1.04	7.78	8.08	(1.21)	6.87	(0.17)	(1.88)	(1.71)	(0.78)		2.32			2.32
2018	\$1.11	8.78	9.71	(1.46)	8.26	(0.19)	(1.93)	(1.91)	(0.90)		3.33			3.33
2019	\$1.18	8.95	10.55	(1.58)	8.97	(0.21)	(1.96)	(1.96)	(0.85)		4.00		(0.29)	3.70
2020	\$1.26	9.10	11.43	(1.71)	9.72	(0.22)	(2.00)	(2.01)	(0.88)		4.60		(0.38)	4.23
2021	\$1.34	9.25	12.38	(1.86)	10.53	(0.24)	(2.03)	(2.11)	(1.01)		5.13		(0.48)	4.65
2022	\$1.91	21.01	40.14	(6.02)	34.12	(0.84)	(4.46)	(4.52)	(3.66)	(1.41)	19.22		(0.52)	18.70
2023	\$2.11	39.12	82.62	(12.39)	70.23	(1.74)	(5.50)	(8.00)	(2.85)	(2.89)	49.25			49.25
2024	\$2.28	41.56	94.71	(14.21)	80.50	(1.85)	(5.74)	(8.45)	(3.43)	(2.97)	58.07		(0.42)	57.65
2025	\$2.47	42.32	104.40	(15.66)	88.74	(2.04)	(5.89)	(8.80)	(3.12)	(3.04)	65.85	(5.39)	(0.57)	59.89
2026	\$2.67	43.03	114.88	(17.23)	97.65	(2.24)	(6.04)	(9.06)	(3.20)	(3.12)	73.99		(0.19)	73.80
2027	\$2.89	43.74	126.42	(18.96)	107.46	(2.47)	(6.20)	(9.33)	(3.74)	(3.20)	82.52			82.52
2028	\$3.13	44.47	139.11	(20.87)	118.24	(2.71)	(6.36)	(9.68)	(3.55)	(3.28)	92.66		(0.84)	91.82
2029	\$3.39	45.21	153.08	(22.96)	130.12	(2.99)	(6.54)	(9.98)	(4.34)	(3.36)	102.91		(40.12)	62.78
2030	\$3.66	45.97	168.45	(25.27)	143.18	(3.29)	(6.72)	(10.33)	(4.45)	(3.44)	114.96	(11.85)	(1.32)	101.78
2031	\$3.86	46.35	178.71	(26.81)	151.90	(3.49)	(6.89)	(10.63)	(4.56)	(3.53)	122.81	(6.67)	(1.37)	114.76
2032	\$3.95	46.35	183.17	(27.48)	155.70	(3.57)	(7.02)	(10.90)	(4.68)	(3.62)	125.91		(1.52)	124.39
2033	\$4.05	46.35	187.75	(28.16)	159.59	(3.66)	(7.16)	(11.07)	(4.79)	(3.71)	129.20			129.20
2034	\$4.15	46.35	192.45	(28.87)	163.58	(3.75)	(7.32)	(11.29)	(4.91)	(3.80)	132.50		(0.54)	131.96
2035	\$4.26	46.35	197.26	(29.59)	167.67	(3.85)	(7.48)	(11.70)	(5.04)	(3.89)	135.72	(11.00)	(1.09)	123.64
2036	\$4.36	46.35	202.19	(30.33)	171.86	(3.94)	(7.64)	(11.90)	(5.16)	(3.99)	139.22	(26.20)	(1.26)	111.76
2037	\$4.47	46.35	207.25	(31.09)	176.16	(4.04)	(7.82)	(12.24)	(5.29)	(4.09)	142.68		(0.63)	142.04
2038	\$4.58	46.35	212.43	(31.86)	180.56	(4.14)	(8.01)	(12.52)	(5.42)	(4.19)	146.28		(1.54)	144.74
2039	\$4.70	46.35	217.74	(32.66)	185.08	(4.25)	(8.21)	(12.77)	(5.56)	(4.30)	149.99		(50.07)	99.92
2040	\$4.81	46.35	223.18	(33.48)	189.70	(4.35)	(8.42)	(13.11)	(5.70)	(4.40)	153.72			153.72
2041	\$4.94	46.35	228.76	(34.31)	194.45	(4.46)	(8.63)	(13.43)	(5.84)	(4.51)	157.57	(15.83)	(1.71)	140.04
2042	\$5.06	46.35	234.48	(35.17)	199.31	(4.57)	(8.83)	(13.70)	(5.99)	(4.63)	161.59		(2.38)	159.21
2043	\$5.18	46.35	240.34	(36.05)	204.29	(4.69)	(9.03)	(13.98)	(6.14)	(4.74)	165.71		(1.24)	164.46
2044	\$5.31	46.35	246.35	(36.95)	209.40	(4.81)	(9.26)	(14.27)	(6.29)	(4.86)	169.91		(0.66)	169.25
2045	\$5.45	46.35	252.51	(37.88)	214.63	(4.93)	(9.47)	(14.65)	(6.45)	(4.98)	174.15	(26.00)	(0.89)	147.26
2046	\$5.58	46.35	258.82	(38.82)	220.00	(5.05)	(9.70)	(14.95)	(6.61)	(5.11)	178.58		(0.96)	177.62
2047	\$5.72	46.35	265.29	(39.79)	225.50	(5.18)	(9.92)	(15.26)	(6.77)	(5.24)	183.13		(1.87)	181.26
2048	\$5.87	46.35	271.92	(40.79)	231.14	(5.30)	(10.16)	(15.57)	(6.94)	(5.37)	187.79		(1.91)	185.88
2049	\$6.01	46.35	278.72	(41.81)	236.91	(5.44)	(10.41)	(15.95)	(7.12)	(5.50)	192.50		(62.56)	129.95
2050	\$6.16	46.35	285.69	(42.85)	242.84	(5.57)	(10.65)	(16.37)	(7.30)	(5.64)	197.31		(1.45)	195.86
2051	\$6.32	46.35	292.83	(43.92)	248.91	(5.71)	(10.90)	(16.70)	(7.48)	(5.78)	202.34	(48.87)	(2.13)	151.33
2052	\$6.48	46.35	300.15	(45.02)	255.13	(5.86)	(11.16)	(17.04)	(7.66)	(5.92)	207.48		(2.50)	204.98
2053	\$6.64	46.35	307.66	(46.15)	261.51	(6.00)	(11.42)	(17.51)	(7.86)	(6.07)	212.65			212.65
2054	\$6.80	46.35	315.35	(47.30)	268.05	(6.15)	(11.71)	(17.92)	(8.05)	(6.22)	217.98		(0.82)	217.17
2055	\$6.97	46.35	323.23	(48.48)	274.75	(6.31)	(11.98)	(18.34)	(8.25)	(6.38)	223.49	(18.02)	(2.03)	203.44
TOTAL		1574.07	7185.00	(1077.75)	6107.25	(140.37)	(294.09)	(442.76)	(193.53)	(147.18)	4889.33	(169.82)	(186.26)	4533.24

⁰ Reflects the average revenue per projected toll trip.

¹ Estimated annual toll trips prepared by external traffic and revenue consultant.

² Estimated annual gross toll revenue prepared by external traffic and revenue consultant.

³ Revenue leakage due to hardware error, non-payment, or unidentifiable transactions.

⁴ Excludes additional revenue that would be collected from a \$5 rebilling fee assessed on the second invoice mailed when the first invoice to a Pay By Mail customer goes unpaid.

⁵ Credit card fees estimated as a % of adjusted gross toll revenue; additional factor included for fees related to account refunds.

⁶ Reflects I-405 share of state back office costs and inclusive of accounting, management, marketing functions.

⁷ I-405 share of customer service center (CSC) vendor contract costs for toll transaction processing and back office operations.

⁸ Reflects cost to operate and maintain toll collection (lane system) equipment.

⁹ Portion of all standard maintenance activities on I-405 and SR 167 (mowing, snow removal, etc.), allocated based on number of tolled lanes

¹⁰ Reflects re-paving costs with replacement frequency based on SR 520 project assumptions

¹¹ Reflects toll collection items with replacement frequency based on SR 520 project assumptions. Inclusive of state re-procurement costs for CSC and RTS vendor contracts.

Eastside Corridor (I-405 / SR 167 Express Toll Lanes) Traffic and Revenue Table

Scenario F — 3+ Carpool Free — Phase 2 Opens 1/1/2022

PRELIMINARY NET TOLL REVENUE PROJECTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Fiscal Year	Wtd. Average Toll Rate per Trip (one-way) ⁰	Annual Toll Trips (millions) ¹	Total Potential Gross Toll Revenue (\$ millions) ²	Less: Uncollectible Accounts (\$ millions) ³	Subtotal: Adjusted Gross Toll Revenue (\$ millions) ⁴	Less: Credit Card Fees (\$ millions) ⁵	Less: State Operations Costs (\$ millions) ⁶	Less: Customer Service Center (CSC) Vendor O&M Costs (\$ millions) ⁷	Less: Roadway Toll Systems (RTS) Vendor O&M Costs (\$ millions) ⁸	Less: Routine Facility O&M Costs (\$ millions) ⁹	Total Net Toll Revenue Before R&R (\$ millions)	Less: Periodic Facility R&R (\$ millions) ¹⁰	Less: Periodic Toll Equipment R&R (\$ millions) ¹¹	Total Net Toll Revenue After R&R (\$ millions)
2017	\$1.42	6.14	8.69	(1.30)	7.38	(0.18)	(1.70)	(1.37)	(0.78)		3.35			3.35
2018	\$1.70	6.98	11.89	(1.78)	10.11	(0.23)	(1.75)	(1.55)	(0.90)		5.68			5.68
2019	\$1.76	7.82	13.75	(2.06)	11.69	(0.27)	(1.86)	(1.74)	(0.85)		6.98		(0.26)	6.72
2020	\$1.81	8.66	15.69	(2.35)	13.33	(0.31)	(1.96)	(1.92)	(0.88)		8.27		(0.36)	7.91
2021	\$1.86	9.50	17.72	(2.66)	15.06	(0.35)	(2.06)	(2.17)	(1.01)		9.48		(0.49)	8.99
2022	\$1.21	45.37	54.92	(8.24)	46.68	(1.16)	(5.66)	(9.02)	(3.66)	(1.41)	25.77		(0.83)	24.95
2023	\$2.15	47.41	101.81	(15.27)	86.54	(2.14)	(5.85)	(9.26)	(2.85)	(2.89)	63.54			63.54
2024	\$2.47	49.45	121.96	(18.29)	103.67	(2.38)	(6.07)	(9.65)	(3.43)	(2.97)	79.18		(0.46)	78.72
2025	\$2.59	51.49	133.42	(20.01)	113.41	(2.60)	(6.27)	(10.34)	(3.12)	(3.04)	88.04	(5.39)	(0.63)	82.02
2026	\$2.72	53.53	145.35	(21.80)	123.55	(2.84)	(6.48)	(10.95)	(3.20)	(3.12)	96.97		(0.19)	96.78
2027	\$2.84	55.57	157.79	(23.67)	134.12	(3.08)	(6.69)	(11.47)	(3.74)	(3.20)	105.95			105.95
2028	\$2.96	57.61	170.76	(25.61)	145.15	(3.33)	(6.90)	(12.08)	(3.55)	(3.28)	116.01		(0.96)	115.05
2029	\$3.09	59.66	184.28	(27.64)	156.64	(3.59)	(7.14)	(12.67)	(4.34)	(3.36)	125.54		(40.53)	85.02
2030	\$3.15	62.98	198.37	(29.76)	168.61	(3.87)	(7.41)	(13.53)	(4.45)	(3.44)	135.92	(11.85)	(1.54)	122.52
2031	\$3.30	62.98	208.13	(31.22)	176.91	(4.06)	(7.57)	(13.83)	(4.56)	(3.53)	143.35	(6.67)	(1.37)	135.31
2032	\$3.39	62.98	213.33	(32.00)	181.33	(4.16)	(7.72)	(14.11)	(4.68)	(3.62)	147.05		(1.52)	145.53
2033	\$3.47	62.98	218.67	(32.80)	185.87	(4.27)	(7.87)	(14.39)	(4.79)	(3.71)	150.85			150.85
2034	\$3.56	62.98	224.13	(33.62)	190.51	(4.37)	(8.04)	(14.82)	(4.91)	(3.80)	154.56		(0.63)	153.94
2035	\$3.65	62.98	229.73	(34.46)	195.27	(4.48)	(8.21)	(15.13)	(5.04)	(3.89)	158.52	(11.00)	(1.27)	146.26
2036	\$3.74	62.98	235.48	(35.32)	200.16	(4.59)	(8.39)	(15.46)	(5.16)	(3.99)	162.56	(26.20)	(1.44)	134.92
2037	\$3.83	62.98	241.37	(36.20)	205.16	(4.71)	(8.58)	(15.80)	(5.29)	(4.09)	166.69		(0.74)	165.95
2038	\$3.93	62.98	247.40	(37.11)	210.29	(4.83)	(8.78)	(16.11)	(5.42)	(4.19)	170.96		(1.80)	169.15
2039	\$4.03	62.98	253.58	(38.04)	215.55	(4.95)	(9.00)	(16.49)	(5.56)	(4.30)	175.25		(50.44)	124.81
2040	\$4.13	62.98	259.92	(38.99)	220.94	(5.07)	(9.23)	(16.88)	(5.70)	(4.40)	179.65			179.65
2041	\$4.23	62.98	266.42	(39.96)	226.46	(5.20)	(9.45)	(17.23)	(5.84)	(4.51)	184.22	(15.83)	(1.71)	166.69
2042	\$4.34	62.98	273.08	(40.96)	232.12	(5.33)	(9.68)	(17.65)	(5.99)	(4.63)	188.85		(2.45)	186.40
2043	\$4.44	62.98	279.91	(41.99)	237.92	(5.46)	(9.90)	(18.02)	(6.14)	(4.74)	193.66		(1.46)	192.20
2044	\$4.56	62.98	286.91	(43.04)	243.87	(5.60)	(10.15)	(18.40)	(6.29)	(4.86)	198.57		(0.77)	197.80
2045	\$4.67	62.98	294.08	(44.11)	249.97	(5.74)	(10.38)	(18.83)	(6.45)	(4.98)	203.59	(26.00)	(1.04)	176.54
2046	\$4.79	62.98	301.43	(45.21)	256.22	(5.88)	(10.63)	(19.34)	(6.61)	(5.11)	208.64		(1.09)	207.55
2047	\$4.91	62.98	308.97	(46.35)	262.62	(6.03)	(10.88)	(19.75)	(6.77)	(5.24)	213.96		(2.20)	211.76
2048	\$5.03	62.98	316.69	(47.50)	269.19	(6.18)	(11.14)	(20.16)	(6.94)	(5.37)	219.40		(2.25)	217.15
2049	\$5.15	62.98	324.61	(48.69)	275.92	(6.33)	(11.41)	(20.63)	(7.12)	(5.50)	224.92		(62.78)	162.15
2050	\$5.28	62.98	332.72	(49.91)	282.82	(6.49)	(11.69)	(21.23)	(7.30)	(5.64)	230.48		(1.70)	228.77
2051	\$5.42	62.98	341.04	(51.16)	289.89	(6.65)	(11.95)	(21.67)	(7.48)	(5.78)	236.35	(48.87)	(2.13)	185.35
2052	\$5.55	62.98	349.57	(52.44)	297.13	(6.82)	(12.24)	(22.12)	(7.66)	(5.92)	242.36		(2.50)	239.86
2053	\$5.69	62.98	358.31	(53.75)	304.56	(6.99)	(12.52)	(22.59)	(7.86)	(6.07)	248.53			248.53
2054	\$5.83	62.98	367.27	(55.09)	312.18	(7.16)	(12.85)	(23.14)	(8.05)	(6.22)	254.75		(0.97)	253.79
2055	\$5.98	62.98	376.45	(56.47)	319.98	(7.34)	(13.14)	(23.75)	(8.25)	(6.38)	261.11	(18.02)	(2.40)	240.70
TOTAL		2102.00	8451.92	(1267.79)	7184.13	(165.14)	(320.92)	(566.42)	(193.53)	(147.18)	5790.95	(169.82)	(190.92)	5430.20

⁰ Reflects the average revenue per projected toll trip.

¹ Estimated annual toll trips prepared by external traffic and revenue consultant.

² Estimated annual gross toll revenue prepared by external traffic and revenue consultant.

³ Revenue leakage due to hardware error, non-payment, or unidentifiable transactions.

⁴ Excludes additional revenue that would be collected from a \$5 rebilling fee assessed on the second invoice mailed when the first invoice to a Pay By Mail customer goes unpaid.

⁵ Credit card fees estimated as a % of adjusted gross toll revenue; additional factor included for fees related to account refunds.

⁶ Reflects I-405 share of state back office costs and inclusive of accounting, management, marketing functions.

⁷ I-405 share of customer service center (CSC) vendor contract costs for toll transaction processing and back office operations.

⁸ Reflects cost to operate and maintain toll collection (lane system) equipment.

⁹ Portion of all standard maintenance activities on I-405 and SR 167 (mowing, snow removal, etc.), allocated based on number of tolled lanes

¹⁰ Reflects re-paving costs with replacement frequency based on SR 520 project assumptions

¹¹ Reflects toll collection items with replacement frequency based on SR 520 project assumptions. Inclusive of state re-procurement costs for CSC and RTS vendor contracts.

Eastside Corridor Express Toll Lanes — Net Revenue Projections (Millions of Dollars)
 Millions of Dollars — Assumes Renton to Bellevue Opens 1/1/2022

Fiscal Year	Scenario A — 2+ Carpool Free Photo Tolling					
	Toll Trips	Toll-Free Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)
2016	2.4 M	7.8 M	\$2.8 M	\$2.6 M	(\$5.0 M)	(\$2.4 M)
2017	3.9	12.2	4.7	4.3	(6.4)	(2.1)
2018	4.5	13.7	5.6	5.2	(7.1)	(2.0)
2019	4.7	14.0	6.1	5.6	(7.3)	(1.7)
2020	4.9	14.1	6.6	6.1	(7.6)	(1.5)
2021	5.2	14.3	7.2	6.6	(8.0)	(1.4)
2022	10.4	28.3	22.0	20.2	(19.4)	0.9
2023	18.3	50.9	44.1	40.5	(27.5)	13.0

Scenario B — \$1.00 Carpool Discount						
Full Toll Trips	Discount Toll Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)	
3.1 M	10.2 M	\$3.9 M	\$3.3 M	(\$6.2 M)	(\$2.8 M)	
3.9	12.7	5.3	4.5	(6.9)	(2.4)	
4.3	14.1	6.3	5.3	(7.4)	(2.1)	
4.5	15.4	7.0	6.0	(7.8)	(1.8)	
4.6	16.8	7.9	6.7	(8.3)	(1.6)	
4.8	18.4	8.9	7.5	(9.0)	(1.5)	
10.5	28.5	35.7	30.4	(19.1)	11.3	
19.1	45.7	77.7	66.0	(25.9)	40.1	

Fiscal Year	Scenario B-2 — \$0.50 Carpool Discount Photo Tolling					
	Full Toll Trips	Discount Toll Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)
2016	4.1 M	4.7 M	\$6.9 M	\$6.4 M	(\$5.9 M)	\$0.4 M
2017	5.2	6.0	9.3	8.5	(6.7)	1.8
2018	6.0	6.9	11.2	10.3	(7.6)	2.7
2019	7.0	8.4	13.5	12.5	(8.5)	4.0
2020	8.0	10.1	16.3	15.0	(9.6)	5.4
2021	9.3	12.2	19.6	18.0	(11.1)	7.0
2022	16.0	18.4	46.5	42.7	(22.5)	20.2
2023	26.4	29.1	88.4	81.3	(30.5)	50.8

Scenario C — 2+ Carpool Free Off-Peak 3+ Carpool Free Peak Photo Tolling						
Toll Trips	Toll-Free Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)	
4.4 M	3.5 M	\$4.9 M	\$4.5 M	(\$5.0 M)	(\$0.5 M)	
7.1	5.5	8.2	7.6	(6.4)	1.2	
8.0	6.1	9.9	9.1	(7.1)	2.1	
8.3	6.2	10.8	10.0	(7.2)	2.8	
8.5	6.3	11.8	10.8	(7.4)	3.4	
8.7	6.3	12.8	11.7	(7.8)	3.9	
18.2	14.5	40.8	37.5	(19.8)	17.7	
32.8	27.7	83.7	76.9	(28.7)	48.2	

Fiscal Year	Scenario D — 3+ Carpool Free Photo Tolling					
	Toll Trips	Toll-Free Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)
2016	5.0 M	1.3 M	\$5.3 M	\$4.9 M	(\$4.6 M)	\$0.3 M
2017	7.9	2.1	9.0	8.3	(5.8)	2.5
2018	9.0	2.3	10.8	9.9	(6.4)	3.5
2019	9.2	2.3	11.7	10.8	(6.5)	4.3
2020	9.5	2.4	12.6	11.6	(6.7)	4.9
2021	9.7	2.4	13.6	12.5	(7.1)	5.5
2022	21.2	7.3	44.2	40.5	(19.3)	21.2
2023	39.1	15.3	91.1	83.7	(28.3)	55.4

NOTES:

- ¹ Year of collection dollars; toll traffic and gross potential revenue projections prepared by CDM Smith.
- ² Adjusted for potential uncollectible revenue. Excludes rebilling fees.
- ³ Includes facility O&M costs starting in FY 2022, plus toll collection costs and credit card fees in all years.

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Eastside Corridor Express Toll Lanes — Net Revenue Projections (Millions of Dollars)

Millions of Dollars — Assumes Renton to Bellevue Opens 1/1/2022

Fiscal Year	Scenario A — 2+ Carpool Free Photo Tolling*				Scenario B-2 — \$0.50 Carpool Discount Photo Tolling*				Scenario C — 2+ Carpool Free Off-Peak 3+ Carpool Free Peak Photo Tolling*			
	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)
2016	2.8	2.6	(5.0)	(2.4)	6.9	6.4	(5.9)	0.4	4.9	4.5	(5.0)	(0.5)
2017	4.7	4.3	(6.4)	(2.1)	9.3	8.5	(6.7)	1.8	8.2	7.6	(6.4)	1.2
2018	5.6	5.2	(7.1)	(2.0)	11.2	10.3	(7.6)	2.7	9.9	9.1	(7.1)	2.1
2019	6.1	5.6	(7.3)	(1.7)	13.5	12.5	(8.5)	4.0	10.8	10.0	(7.2)	2.8
2020	6.6	6.1	(7.6)	(1.5)	16.3	15.0	(9.6)	5.4	11.8	10.8	(7.4)	3.4
2021	7.2	6.6	(8.0)	(1.4)	19.6	18.0	(11.1)	7.0	12.8	11.7	(7.8)	3.9
2022	22.0	20.2	(19.4)	0.9	46.5	42.7	(22.5)	20.2	40.8	37.5	(19.8)	17.7
2023	44.1	40.5	(27.5)	13.0	88.4	81.3	(30.5)	50.8	83.7	76.9	(28.7)	48.2

Fiscal Year	Scenario D — 3+ Carpool Free Photo Tolling*				Scenario F — 3+ Carpool Free (WSTC Independent Forecast)†			
	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)
2016	5.3	4.9	(4.6)	0.3	6.3	5.4	(3.9)	1.4
2017	9.0	8.3	(5.8)	2.5	8.7	7.4	(4.0)	3.3
2018	10.8	9.9	(6.4)	3.5	11.9	10.1	(4.4)	5.7
2019	11.7	10.8	(6.5)	4.3	13.8	11.7	(4.7)	7.0
2020	12.6	11.6	(6.7)	4.9	15.7	13.3	(5.1)	8.3
2021	13.6	12.5	(7.1)	5.5	17.7	15.1	(5.6)	9.5
2022	44.2	40.5	(19.3)	21.2	54.9	46.7	(20.9)	25.8
2023	91.1	83.7	(28.3)	55.4	101.8	86.5	(23.0)	63.5

NOTES:

* CDM Smith traffic and revenue projections.

¹ Year of collection dollars.

† Cambridge Systematics "50th Percentile" traffic and revenue projections.

² Adjusted for potential uncollectible revenue. Excludes rebilling fees.

³ Includes facility O&M costs starting in FY 2022, plus toll collection costs and credit card fees in all years.

Eastside Corridor Express Toll Lanes — Net Revenue Projections (Millions of Dollars)

Millions of Dollars — Assumes Renton to Bellevue Opens 1/1/2022

Fiscal Year	Scenario A — 2+ Carpool Free Photo Tolling*						Scenario B — \$1.00 Carpool Discount*						Scenario B-2 — \$0.50 Carpool Discount Photo Tolling*					
	Toll Trips	Toll-Free Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)	Full Toll Trips	Discount Toll Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)	Full Toll Trips	Discount Toll Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)
2016	2.4 M	7.8 M	\$2.8 M	\$2.6 M	(\$5.0 M)	(\$2.4 M)	3.1 M	10.2 M	\$3.9 M	\$3.3 M	(\$6.2 M)	(\$2.8 M)	4.1 M	4.7 M	\$6.9 M	\$6.4 M	(\$5.9 M)	\$0.4 M
2017	3.9	12.2	4.7	4.3	(6.4)	(2.1)	3.9	12.7	5.3	4.5	(6.9)	(2.4)	5.2	6.0	9.3	8.5	(6.7)	1.8
2018	4.5	13.7	5.6	5.2	(7.1)	(2.0)	4.3	14.1	6.3	5.3	(7.4)	(2.1)	6.0	6.9	11.2	10.3	(7.6)	2.7
2019	4.7	14.0	6.1	5.6	(7.3)	(1.7)	4.5	15.4	7.0	6.0	(7.8)	(1.8)	7.0	8.4	13.5	12.5	(8.5)	4.0
2020	4.9	14.1	6.6	6.1	(7.6)	(1.5)	4.6	16.8	7.9	6.7	(8.3)	(1.6)	8.0	10.1	16.3	15.0	(9.6)	5.4
2021	5.2	14.3	7.2	6.6	(8.0)	(1.4)	4.8	18.4	8.9	7.5	(9.0)	(1.5)	9.3	12.2	19.6	18.0	(11.1)	7.0
2022	10.4	28.3	22.0	20.2	(19.4)	0.9	10.5	28.5	35.7	30.4	(19.1)	11.3	16.0	18.4	46.5	42.7	(22.5)	20.2
2023	18.3	50.9	44.1	40.5	(27.5)	13.0	19.1	45.7	77.7	66.0	(25.9)	40.1	26.4	29.1	88.4	81.3	(30.5)	50.8

Fiscal Year	Scenario C — 2+ Carpool Free Off-Peak 3+ Carpool Free Peak Photo Tolling*						Scenario D — 3+ Carpool Free Photo Tolling*						Scenario E — 3+ Carpool Free*					
	Toll Trips	Toll-Free Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)	Toll Trips	Toll-Free Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)	Toll Trips	Toll-Free Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)
2016	4.4 M	3.5 M	\$4.9 M	\$4.5 M	(\$5.0 M)	(\$0.5 M)	5.0 M	1.3 M	\$5.3 M	\$4.9 M	(\$4.6 M)	(\$0.3 M)	4.9 M	1.3 M	\$4.8 M	\$4.1 M	(\$3.8 M)	\$0.3 M
2017	7.1	5.5	8.2	7.6	(6.4)	1.2	7.9	2.1	9.0	8.3	(5.8)	2.5	7.8	2.1	8.1	6.9	(4.5)	2.3
2018	8.0	6.1	9.9	9.1	(7.1)	2.1	9.0	2.3	10.8	9.9	(6.4)	3.5	8.8	2.3	9.7	8.3	(4.9)	3.3
2019	8.3	6.2	10.8	10.0	(7.2)	2.8	9.2	2.3	11.7	10.8	(6.5)	4.3	9.0	2.3	10.6	9.0	(5.0)	4.0
2020	8.5	6.3	11.8	10.8	(7.4)	3.4	9.5	2.4	12.6	11.6	(6.7)	4.9	9.1	2.3	11.4	9.7	(5.1)	4.6
2021	8.7	6.3	12.8	11.7	(7.8)	3.9	9.7	2.4	13.6	12.5	(7.1)	5.5	9.2	2.4	12.4	10.5	(5.4)	5.1
2022	18.2	14.5	40.8	37.5	(19.8)	17.7	21.2	7.3	44.2	40.5	(19.3)	21.2	21.0	7.0	40.1	34.1	(14.9)	19.2
2023	32.8	27.7	83.7	76.9	(28.7)	48.2	39.1	15.3	91.1	83.7	(28.3)	55.4	39.1	14.2	82.6	70.2	(21.0)	49.2

Fiscal Year	Scenario F — 3+ Carpool Free (WSTC Independent Forecast) †					
	Toll Trips	Toll-Free Trips	Potential Gross Toll Revenue ¹	Adjusted Gross Toll Revenue ²	Less: Operations & Maintenance Costs ³	Net Toll Revenue (before R&R)
2016	5.4 M	0.8 M	\$6.3 M	\$5.4 M	(\$3.9 M)	\$1.4 M
2017	6.1	0.8	8.7	7.4	(4.0)	3.3
2018	7.0	0.8	11.9	10.1	(4.4)	5.7
2019	7.8	0.9	13.8	11.7	(4.7)	7.0
2020	8.7	0.9	15.7	13.3	(5.1)	8.3
2021	9.5	0.9	17.7	15.1	(5.6)	9.5
2022	45.4	4.6	54.9	46.7	(20.9)	25.8
2023	47.4	4.6	101.8	86.5	(23.0)	63.5

NOTES:

* CDM Smith traffic and revenue projections.

† Cambridge Systematics "50th Percentile" traffic and revenue projections.

¹ Year of collection dollars.

² Adjusted for potential uncollectible revenue. Excludes rebilling fees.

³ Includes facility O&M costs starting in FY 2022, plus toll collection costs and credit card fees in all years.

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Eastside Corridor Express Toll Lanes — Net Revenue Projections (Millions of Dollars)
 Millions of Dollars — Assumes Renton to Bellevue Opens 1/1/2022

Toll and Toll-Free/Discounted Vehicle Trips in the Express Toll Lanes														
Fiscal Year	Scenario A ¹		Scenario B ¹		Scenario B-2 ¹		Scenario C ¹		Scenario D ¹		Scenario E ¹		Scenario F ²	
	2+ Carpool Free Photo Tolling ¹		\$1.00 Carpool Discount ¹		\$0.50 Carpool Discount Photo Tolling ¹		2+ Carpool Free Off-Peak 3+ Carpool Peak Photo Tolling ¹		3+ Carpool Free Photo Tolling ¹		3+ Carpool Free ¹		3+ Carpool Free (WSTC Indep. Forecast) ²	
	Toll Trips	Toll-Free Trips	Full Toll Trips	Discount Toll Trips	Full Toll Trips	Discount Toll Trips	Toll Trips	Toll-Free Trips	Toll Trips	Toll-Free Trips	Toll Trips	Toll-Free Trips	Toll Trips	Toll-Free Trips
2016	2.4	7.8	3.1	10.2	4.1	4.7	4.4	3.5	5.0	1.3	4.9	1.3	5.4	0.8
2017	3.9	12.2	3.9	12.7	5.2	6.0	7.1	5.5	7.9	2.1	7.8	2.1	6.1	0.8
2018	4.5	13.7	4.3	14.1	6.0	6.9	8.0	6.1	9.0	2.3	8.8	2.3	7.0	0.8
2019	4.7	14.0	4.5	15.4	7.0	8.4	8.3	6.2	9.2	2.3	9.0	2.3	7.8	0.9
2020	4.9	14.1	4.6	16.8	8.0	10.1	8.5	6.3	9.5	2.4	9.1	2.3	8.7	0.9
2021	5.2	14.3	4.8	18.4	9.3	12.2	8.7	6.3	9.7	2.4	9.2	2.4	9.5	0.9
2022	10.4	28.3	10.5	28.5	16.0	18.4	18.2	14.5	21.2	7.3	21.0	7.0	45.4	4.6
2023	18.3	50.9	19.1	45.7	26.4	29.1	32.8	27.7	39.1	15.3	39.1	14.2	47.4	4.6

Net Toll Revenue (before R&R Expenditures)*														
Fiscal Year	Scenario A ¹		Scenario B ¹		Scenario B-2 ¹		Scenario C ¹		Scenario D ¹		Scenario E ¹		Scenario F ²	
	2+ Carpool Free Photo Tolling ¹		\$1.00 Carpool Discount ¹		\$0.50 Carpool Discount Photo Tolling ¹		2+ Carpool Free Off-Peak 3+ Carpool Peak Photo Tolling ¹		3+ Carpool Free Photo Tolling ¹		3+ Carpool Free ¹		3+ Carpool Free (WSTC Indep. Forecast) ²	
	Toll Revenue	Toll-Free Revenue	Full Toll Revenue	Discount Toll Revenue	Full Toll Revenue	Discount Toll Revenue	Toll Revenue	Toll-Free Revenue	Toll Revenue	Toll-Free Revenue	Toll Revenue	Toll-Free Revenue	Toll Revenue	Toll-Free Revenue
2016	(\$2.4)	(\$2.8)	(\$2.4)	(\$2.8)	\$0.4	(\$0.5)	\$0.3	(\$0.3)	\$0.3	(\$0.3)	\$0.3	\$0.3	\$1.4	0.8
2017	(2.1)	(2.4)	(2.4)	(2.4)	1.8	(1.2)	2.5	(1.2)	2.5	2.3	2.3	2.3	3.3	0.8
2018	(2.0)	(2.1)	(2.1)	(2.1)	2.7	2.1	3.5	2.1	3.5	3.3	3.3	3.3	5.7	0.9
2019	(1.7)	(1.8)	(1.8)	(1.8)	4.0	2.8	4.3	2.8	4.3	4.0	4.0	4.0	7.0	0.9
2020	(1.5)	(1.6)	(1.6)	(1.6)	5.4	3.4	4.9	3.4	4.9	4.6	4.6	4.6	8.3	0.9
2021	(1.4)	(1.5)	(1.5)	(1.5)	7.0	3.9	5.5	3.9	5.5	5.1	5.1	5.1	9.5	0.9
2022	0.9	11.3	11.3	11.3	20.2	17.7	21.2	17.7	21.2	19.2	19.2	19.2	25.8	4.6
2023	13.0	40.1	40.1	40.1	50.8	48.2	55.4	48.2	55.4	49.2	49.2	49.2	63.5	4.6

NOTES:

* Year of collection dollars after uncollectible revenue, credit card fees, toll collection O&M, and starting in FY 2022, facility O&M expenditures. Excludes rebilling fees.

¹ Based on WSDOT / CDM Smith traffic and gross revenue projections.

² Based on WSTC / Cambridge Systematics "50th Percentile" traffic and gross toll revenue projections.

³ Based on WSDOT preliminary, sketch-level traffic and gross revenue projections.

Meets legislative net revenue requirement (RCW 47.56.880)
 Does not meet legislative net revenue requirement