

SR 520 Bridge Replacement & HOV Program — Toll Scenarios Analyzed

Scenario	Strategy / Description	Tolling Phase/Dates	Variable Toll Range (2007\$) ¹		Toll Collection Points ²		HOV Toll Exemptions ³		Financial Capacity ⁴
			SR 520	I-90	SR 520	I-90	SR 520	I-90	

SR 520 General Purpose Lane Tolling Only

7	Toll only SR 520 during pre-completion at lower toll rates and during post-completion at medium toll rates.	Pre-Completion: FY 2011-16	\$0.75 to \$3.25		Bridge		None		◐
		Post-Completion: FY 2017 forward	\$0.75 to \$3.80		Bridge		HOV 3+		
6*	Toll only SR 520 during pre-completion at medium toll rates and during post-completion at highest toll rates tested.	Pre-Completion: FY 2011-16	\$1.50 to \$3.80		Bridge*		None & Transit pays		◐
		Post-Completion: FY 2017 forward	\$0.95 to \$5.35		Bridge*		None & Transit pays		
6.1*	Toll only SR 520 during pre-completion at medium toll rates and during post-completion at highest toll rates tested.	Pre-Completion: FY 2011-16	\$1.50 to \$3.80		Bridge*		None		◐
		Post-Completion: FY 2017 forward	\$0.95 to \$5.35		Bridge*		HOV 3+		
1	Toll only SR 520 during post-completion phase at medium toll rates.								○
		Post-Completion: FY 2017 forward	\$0.75 to \$3.80		Bridge		HOV 3+		
2	Toll only SR 520 during pre- and post-completion phases at lowest toll rates tested.	Pre-Completion: FY 2011-16	\$1.00 to \$2.95		Bridge		None		○
		Post-Completion: FY 2017 forward	\$1.00 to \$2.95		Bridge		HOV 3+		
5	Toll only SR 520 during post-completion at a fixed/flat toll rate.								○
		Post-Completion: FY 2017 forward	Fixed/Flat Toll = \$1.70		Bridge		HOV 3+		

SR 520 General Purpose Lane Tolling + Dual I-90 Express Toll Lanes (FY 2017 forward)

10*	Toll SR 520 during pre-completion at medium toll rates, post-completion at highest toll rates tested; add post-completion HOT lanes on I-90.	Pre-Completion SR 520 only: FY 2011-16	\$1.50 to \$3.80		Bridge		None		◑
		Post-Completion on Both Bridges: FY 2017 forward	\$0.95 to \$5.35	HOT Lanes / Dynamic Tolls	Bridge / Segments	East / West of Mercer Island	HOV 3+	HOV 3+	
15**	Toll SR 520 during pre-completion at lower toll rates, post-completion at medium toll rates; add post-completion HOT lanes on I-90.	Pre-Completion SR 520 only: FY 2011-16	\$0.75 to \$3.25		Bridge		None		◐
		Post-Completion on Both Bridges: FY 2017 forward	\$0.75 to \$3.80	HOT Lanes / Dynamic Tolls	Bridge	East / West of Mercer Island	HOV 3+	HOV 3+	

NOTES:

¹ Assumes variable-rate tolling, where tolls vary by time of day according to a fixed schedule, except as noted in Scenario 5, which tests fixed-rate (flat) tolling.
² On SR 520, segment tolls apply to short trips on corridors east and west of the main bridgespan; on I-90, half of toll charged on west side of Mercer Island, and half charged on east side of Mercer Island.
³ Transit vehicles are assumed to exempt except in Scenario 6*.
⁴ Ability to meet the \$4.65 B SR 520 program cost based on existing non-toll funding; note that scenarios with I-90 tolls would entail additional capital costs for I-90 toll collection equipment and improvements.
 ○ = more than \$1.5 B short; ◐ = \$1.0 to 1.5 B short; ◑ = \$0.5 to 1.0 B short; ◒ = less than \$0.5 B short; ● = fully funds \$4.65 B.
 * Modified to reflect current assumptions regarding start dates, toll collection points and/or exemptions. ** New scenario as of November 2009

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Scenario	Strategy / Description	Tolling Phase/Dates	Variable Toll Range (2007\$) ¹		Toll Collection Points ²		HOV Toll Exemptions ³		Financial Capacity ⁴
			SR 520	I-90	SR 520	I-90	SR 520	I-90	
SR 520 + I-90 General Purpose Lane Tolling									
13*	Toll SR 520 and I-90 during pre- and post-completion at lower toll rates; I-90 pre-completion tolling begins FY 2013.	Pre-Completion SR 520: FY 2011-16 & I-90: FY 2014-16*	\$0.75 to \$3.25	\$0.75 to \$3.25	Bridge	Bridge	None	HOV 3+	
		Post-Completion on Both Bridges: FY 2017 forward	\$0.75 to \$3.25	\$0.75 to \$3.25	Bridge	Bridge	HOV 3+	HOV 3+	
14**	Toll SR 520 and I-90 during pre-completion at lower toll rates and post-completion at medium toll rates; I-90 pre-completion tolling begins FY 2014.	Pre-Completion SR 520: FY 2011-16 & I-90: FY 2014-16	\$0.75 to \$3.25	\$0.75 to \$3.25	Bridge	Bridge	None	HOV 2+	
		Post-Completion on Both Bridges: FY 2017 forward	\$0.75 to \$3.80	\$0.75 to \$3.80	Bridge	Bridge	HOV 3+	HOV 3+	
11*	Toll SR 520 and I-90 during pre-completion at medium toll rates, and during post-completion at highest toll rates tested.	Pre-Completion on Both Bridges: FY 2011-16	\$1.50 to \$3.80	\$1.50 to \$3.80	Bridge	Bridge	None	HOV 2+	
		Post-Completion on Both Bridges: FY 2017 forward	\$0.95 to \$5.35	\$0.95 to \$5.35	Bridge	Bridge	HOV 3+	HOV 3+	
12	Toll SR 520 during post-completion at lower toll rates and during post-completion at higher tolls; toll I-90 during post-completion at lower toll rates.	Pre-Completion SR 520 only: FY 2011-16	\$0.75 to \$3.25		Bridge		None		
		Post-Completion on Both Bridges: FY 2017 forward	\$0.75 to \$4.20	\$0.75 to \$2.80	Bridge	Bridge	HOV 3+	HOV 3+	
4*	Toll only SR 520 during pre-completion at lower toll rates; add I-90 tolling during post-completion at lower toll rates.	Pre-Completion SR 520 only: FY 2011-16	\$0.75 to \$3.25		Bridge		None		
		Post-Completion on Both Bridges: FY 2017 forward	\$0.75 to \$3.25	\$0.75 to \$3.25	Bridge	Bridge	HOV 3+	HOV 3+	
3	Toll SR 520 and I-90 only during post-completion phase at lower toll rates.								
		Post-Completion on Both Bridges: FY 2017 forward	\$0.75 to \$3.25	\$0.75 to \$3.25	Bridge / Segments	East / West of Mercer Island	HOV 3+	HOV 3+	
8	Toll SR 520 and I-90 only during post-completion, with higher tolls on SR 520 and lower tolls on I-90.								
		Post-Completion on Both Bridges: FY 2017 forward	\$0.75 to \$4.20	\$0.75 to \$2.80	Bridge	Bridge	HOV 3+	HOV 3+	
9	Toll SR 520 and I-90 during pre- and post-completion at lowest toll rates tested.	Pre-Completion on Both Bridges: FY 2011-16	\$1.00 to \$2.95	\$1.00 to \$2.95	Bridge	Bridge	None	HOV 2+	
		Post-Completion on Both Bridges: FY 2017 forward	\$1.00 to \$2.95	\$1.00 to \$2.95	Bridge	Bridge	HOV 3+	HOV 3+	

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 - ³ Transit vehicles are assumed to exempt except in Scenario 6*.
 - ⁴ Ability to meet the \$4.65 B SR 520 program cost based on existing non-toll funding; note that scenarios with I-90 tolls would entail additional capital costs for I-90 toll collection equipment and improvements.
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