











Alternative #I: Continue the Ferry

- Extend current service to 2049
- Continue current level of use, with maximum 45,000 annual average ridership
- Continue current toll of \$5
- Buy new ferry when needed, expected by 2035
- Grants available for major repairs, but none available to support ferry operations
- No other organizations available to take over ferry operations



Revenue from fares	\$4,950, 586
Cost of operations and personnel	-\$15,831,699
Cost of maintenance	-\$3,071,874
Cost of Ferry replacement	-\$2,500,000
Total	-\$16,452,986
Alternative #1: Total Costs	s, 2025-2049



- Stop Ferry operations by 2025
- Do not replace the Ferry with any other transportation option for crossing the river in that area
- Requires decommissioning the ferry, removing facilities and changes to signs
- Reimburse portion of Federal Highway Administration grant funds, if necessary



Decommission, remove facilities, change signs	-\$1,500,000
Reimburse Federal Highway Administration (if necessary)	-\$360,000
Total cost	-\$1,860,000
Alternative #2: Total Costs,	2025-49





	years GRAND TOTAL	\$56,472,423
	Maintenance Cost for 25	\$5,250,000
	Total Design & Construction	\$51,222,423
Bridge	Contingency (30%) on construction & right-of-way	<u>\$10,472,867</u>
25-year	Road and Intersection Improvements	\$2,160,056
Estimated	Construction	\$30,207,500
	Right-of-Way	\$6,840,000
	Environmental Analysis,	¢4 040 000



Alternative #4:Toll Bridge

Two major benefits



- Revenue: Tolling can raise revenue to pay for bridge construction and maintenance
- Traffic management: Drivers are sensitive to tolling, so tolling reduces traffic
- Project funded with bonding. Toll revenue used to pay off bonds, maintain bridge and toll system





Alternative						
Year	Debt Service	Year	Debt Service	Year	Debt Service	
2025	\$2,811,603	2034	\$4,038,111	2043	\$4,904,954	
2026	\$2,942,375	2035	\$4,130,601	2044	\$4,968,294	
2027	\$3,212,375	2036	\$4,221,896	2045	\$5,030,816	
2028	\$3,401,818	2037	\$4,322,691	2046	\$5,096,816	
2029	\$3,602,689	2038	\$4,421,585	2047	\$5,164,961	
2030	\$3,683,847	2039	\$4,523,497	2048	\$5,229,769	
2031	\$3,769,607	2040	\$4,627,389	2049	\$5,300,295	
2032	\$3,854,311	2041	\$4,732,202	Total	\$106,776,741	
2033	\$3,942,391	2042	\$4,841,854			





Toll / Traffic	Analyzed Traffic Scenarios				
Scenarios	Scenario Traffic (# of vehicles)				
 Goals: Keep traffic levels low (to lessen impact on 	Low Traffic	Maximum of 200/hour, 3,000/day;			
adjacent roads) and Have enough	Moderate Traffic	Maximum of 300/hour, 4,000/day;			
toll revenue to pay to build and maintain bridge	High Traffic	Maximum of 600/hour, 6,000/day;			

	2025 Toll Rat	es for e	ach Scen	ario		
 Tolls can vary by time of day and/or day of week Toll rates (below) will be increased for inflation to keep traffic levels at or below maximum \$2 surcharge for license plate recognition (~ 30% of users) 						
	Scenario	Peak Hours (7 - 9 am, 3 - 6 pm)	Mid-day (9 am – 3	Evening / Overnight		
	Low (2,000)	\$3.50	\$2.50	(0 pm = 7 am) \$1.50	-	
	Moderate (3,000)	\$3.00	\$2.00	\$1.25		
ACKAHAS	High (6,000)	\$2.00	\$1.25	\$1.25	21	

SCEIL	Scenario						
Year	Revenue	Year	Revenue	Year	Revenue		
2025	\$3,295,567	2034	\$4,733,195	2043	\$5,749,249		
2026	\$3,448,850	2035	\$4,841,606	2044	\$5,823,493		
2027	\$3,765,325	2036	\$4,948,616	2045	\$5,896,776		
2028	\$3,987,377	2037	\$5,066,761	2046	\$5,974,137		
2029	\$4,222,824	2038	\$5,182,678	2047	\$6,054,012		
2030	\$4,317,952	2039	\$5,302,132	2048	\$6,129,976		
2031	\$4,418,474	2040	\$5,423,907	2049	\$6,212,641		
2032	\$4,517,758	2041	\$5,546,761	Total	\$125,156,355		
2033	\$4 620 999	2042	\$5 675 288				











			Cha	nge with Br	idge
	Road Segment	Current Traffic	Low Traffic	Moderate Traffic	High Traffic
	Canby Bridge		+200	+300	+650
	Holly St N of Territorial	50	+200	+300	+650
Traffic	Holly St S of Territorial	475	+150	+250	+550
	Territorial E of Holly St	575	0	0	+100
Changes	Mtn Rd S of Hoffman	25	+200	+300	+650
on Area Roads	Mtn Rd N of Hoffman	150	+200	+300	+650
	Advance Rd	75	+50	+100	+150
	Pete's Mountain Rd	125	0	+25	+25
# of Cars/Hour at	Stafford Rd S of I-205	1,450	+100	+200	+250
(5 to 6 pm)	Willamette Falls Dr	600	0	0	0
(3 to 0 pill)	Knight's Bridge Rd	650	-100	-200	-350
	Arndt Rd	1,350	-150	-300	-375
	Barlow Rd	750	-150	-200	-175



	Wee	kday	Traffic o	on Brid	ge by	Hour
	Time (AM)	Toll Rate	Vehicles/ Hour	Time (PM)	Toll Rate	Vehicles/ Hour
	Midnight	\$1.50	36	Noon	\$1.50	172
	I	\$1.50	30	I	\$1.50	180
	2	\$1.50	27	2	\$1.50	166
	3	\$1.50	18	3	\$3.00	189
	4	\$1.50	78	4	\$3.50	209
	5	\$1.50	113	5	\$3.50	243
	6	\$3.50	108	6	\$2.50	163
	7	\$3.50	197	7	\$1.50	144
	8	\$3.50	231	8	\$1.50	140
	9	\$2.50	194	9	\$1.50	125
	10	\$2.50	131	10	\$1.50	103
KAHA	s	\$1.50	161	11	\$1.50	73









	Financial Summary of Alternatives: Costs and Revenues (\$ millions) over 25 Years						
	Alternative	Cost (debt service + operations + maintenance)	Revenue	Net Revenue			
I	Continue operating ferry	(\$21.40)	\$4.95	(\$16.45)			
2	Stop operating ferry	(\$1.86)	\$0	(\$1.86)			
3	Publicly-funded bridge	(\$56.47)	\$0	(\$56.47)			
4	A. Low Traffic Toll Bridge	(\$125.15)	\$125.25	\$0.10			
	B. Moderate Traffic Toll Bridge	(\$127.90)	\$141.80	\$13.90			
ACKAHAE	C. High Traffic Toll Bridge	(\$135.00)	\$171.90	\$36.90 s			

