15-Year Maintenance Preservation Plan - Bridge of the Gods and Approaches Adopted by the Port of Cascade Locks Commission on January 18th, 2018

Port of Cascade Locks

1/19/2018		
Legend	Tier 1 Expenditure	Port Funds
	Tier 2 Expenditure	Possible OR, WA, Fed. Funds

		Hei Z Expe	cilaitaic	FOSSIBLE OR, WA, Fed. Fullus	_										
GROUP	NO.	Priority (L/M/H)	TYPE	PROJECT NAME	2018-	-2019	2019-2020	20	20-2021	2021-2022	2022-2023	2023-2024	2024-2025	20	25-2026
OREGON	OREGON ROADWAY														
Α	1	М	Enhance	Wa Na Pa & Toll Booth Road Intersection Improvements			\$ 1,800,000	\$	909,000						
					•								•		
TOLL FAC	ILITIES														
	2	Н	Enhance	Toll Automation Design (Interim)											
	3	L	Enhance	Toll Automation Design (Ultimate)											
В	4	Н	Enhance	Existing Toll Facility Upgrades	\$ 7	700,000									
	5	L	Enhance	Toll Automation & Infrastructure Improvements						\$ 4,250,000	\$ 1,086,000		2024-2025 \$ 36,878 \$ 246,525 \$ 6,832,500		
	6	М	Maint.	Tolling System Upgrades				1,800,000 \$ 909,000 \$ 1,086,000 \$ 1,086,000 \$ 51,750 \$ 53,56 \$ 26,781 \$ 27,718 \$ 50,000 \$ 51,750 \$ 53,56 \$ 282,000 \$ 165,000 \$ 144,752 \$ 118,769 \$ 122,92 \$ 282,000 \$ 165,000 \$ 2,225,000 \$ 867,000 \$ 2,023,000 \$ 945,000 \$ 2,205,000 \$ 867,000 \$ 2,023,000 \$ 945,000 \$ 2,205,000 \$ 867,000 \$ 2,023,000 \$ 945,000 \$ 2,800,000 \$ 1,086,000 \$ 2,023,000 \$ 945,000 \$ 2,023,000 \$ 945,000 \$ 2,023,000 \$ 945,000 \$ 1,075,000 \$ 8,014 \$ 8,57 \$ 59,384 \$ 61,46 \$ 7,490 \$ \$ 8,014 \$ 8,57 \$ 5,000 \$ \$ 968,000 \$ \$ 968,000 \$ \$ 5,887,500							
	7	M	Maint.	Tolling System Maintenance	\$	25,000	\$ 25,875	\$	26,781	\$ 27,718	\$ 50,000	\$ 51,750	\$ 53,561	1 \$	55,436
BRIDGE O			PROACH STR									1	1 -		
	8	H	Maint.		\$ 1	100,000		\$	107,123	\$ 110,872	\$ 114,752	\$ 118,769	\$ 122,926	; \$	127,228
	9	H	Maint.				\$ 282,000							\bot	
	10	M	Maint.								•				
	11	<u>H</u>	Maint.	Cantilever Truss Painting Projects	\$ 8	367,000	\$ 2,023,000	\$	945,000	\$ 2,205,000	\$ 867,000	\$ 2,023,000	\$ 945,000	\$	2,205,000
	12	H	Maint.	WA Approach - Truss Painting	mation Design (Interim) \$ 150,000			+							
С	13	H	Maint.			=0.000	A =1 ==0	•	=0.=04	A == 100	A == 0=0		A 24 422		22.211
	14	H	Maint.	Deck Welding Repairs	_		\$ 51,750			\$ 55,436		\$ 59,384			63,614
	15	<u> </u>	Maint.	Bridge Cleaning	\$	7,000		\$	7,490				\$ 8,575	,	
	16	<u>L</u>	Maint.										\$ 122,926 \$ 945,000 \$ 61,463 \$ 8,575 \$ 5,887,500	+-	
	17	M	Retrofit	Seismic Retrofit Engineering							\$ 968,000	A	*	_	
	18	M	Retrofit									\$ 5,887,500	\$ 5,887,500	4—	
	19	M	Rehab.	Open Grid Deck Replacement											
WASHING	TON RO	ΔDWΔΥ													
WAGIIIIO	20	I	Rehab.	WA BOG Sign Replacement			\$ 50,000					1		\top	
D	21	M	Maint.				Ψ 00,000			\$ 124,000				+-	
	22		Enhance	WA Signage Enhancements		İ				Ψ 121,000			51,750 \$ 53,561 118,769 \$ 122,926 023,000 \$ 945,000 59,384 \$ 61,463 \$ 8,575 887,500 \$ 5,887,500 300,000 -2024 2024-2025 35,631 \$ 36,878 229,903 \$ 246,525 265,534 \$ 283,403 210,500 \$ 6,832,500	+-	
			Emanoo	TVV Cignage Emianoemente								l	l.		
Pedestriar	Cross	ing													
	23	Н	Enhance	BOG Pedestrian Crossing Project Planning Study	\$ 4	137,000	\$ 386,500	\$	361,500					T	
E										¢ 1.075.000	¢ 12.225.000	¢ 7,200,000			
	24	Н	Enhance	BOG Pedestrian Crossing Project Design & Construction				Ф	3,300,000	\$ 1,075,000	φ 13,325,000	\$ 7,300,000			
				SUMMARY OF EXPENDITURES	2018-	-2019	2019-2020	20	20-2021	2021-2022	2022-2023	2023-2024	2024-2025	20	25-2026
				Unanticipated	\$ b	30,000	\$ 31,050	\$	32,137	\$ 33,262	\$ 34,426	\$ 35,631	\$ 36,878	\$	38,168
				Tier 1 Expenditures		82,000									246,278
				Total for Tier 1 & Pedestrian Crossing Expenditures	s \$ 1,7	712,000	\$ 544,175	\$	392,092	\$ 351,288	\$ 269,568	\$ 265,534	\$ 283,403	\$ \$	284,446
				Tier 2 Expenditures											2,205,000
				Total for Tier 1 & Tier 2 Expenditures	s \$ 3,0	016,000	\$ 4,753,675	\$	5,907,592	\$ 7,881,288	\$ 16,515,568	\$ 15,476,034	\$ 7,115,903	\$	2,489,446
Table Note				<u> </u>			•					-	-		

Table Notes:

^{*} All costs presented in this estimate are for planning purposes only. Actual costs will vary depending on the actual scope, market conditions, and the time implementation. Estimates include construction, contingency, and professional services as warranted.

^{**} The Port of Cascade Locks reserves the right to modify and make alterations to the 15-Year Plan as needed

15-Year Maintenance Preservation Plan - Bridge of the Gods and Approaches Adopted by the Port of Cascade Locks Commission on January 18th, 2018

Port of Cascade Locks

1/19/2018		
Lagand	Tier 1 Expenditure	Port Funds
Legend	Tier 2 Expenditure	Possible OR, WA, Fed. Funds

BRIOGE OF THE GODS & APPROACH STRUCTURES R																
A			(L/M/H)	TYPE	PROJECT NAME	2026-	2027	2027-202	28	2028-2029	2029-2030	2030-2031	2031-2032	203	32-2033	
TOLL FACILITIES 2	OREGON	OREGON ROADWAY														
TOLL FACILITIES Finance Toll Automation Design (Interim)	Α	1	М	Enhance	Wa Na Pa & Toll Booth Road Intersection Improvements											\$ 2,709,000
2				•								•	•	S	Subtotal	\$ 2,709,000
B 3 L Enhance Toll Automation Design (Ultimate)	TOLL FAC	ILITIES														
B		2	Н	Enhance	Toll Automation Design (Interim)											\$ 150,000
B		3	L	Enhance	Toll Automation Design (Ultimate)											\$ 650,000
S	В	4	Н	Enhance	Existing Toll Facility Upgrades											\$ 700,000
T M Maint	Б	5	L	Enhance												\$ 5,336,000
Total form Maint Tolling System Maintenance \$ 0.7,376 \$ 0.9384 \$ 0.438 \$ 0.6361 \$ 0.6361 \$ 0.6340 \$ 0.8145 \$ 0.70,300 \$ 0.761,5773		6	М	Maint.	Tolling System Upgrades			\$ 100,0	000					\$	117,500	\$ 217,500
BRIDGE OF THE GODS & APPROACH STRUCTURES 8		7	М	Maint.		\$:	57,376	\$ 59,3	384	\$ 61,463	\$ 63,614	\$ 65,840	\$ 68,145	5 \$	70,530	\$ 762,473
BRIDGE OF THE GODS & APPROACH STRUCTURES				•								•	•	S		
S																
C						\$ 13	31,681	\$ 136,2	290	\$ 141,060	\$ 145,997	\$ 151,107	\$ 156,396	3 \$	161,869	\$ 1,929,568
C 10		9	Н					· ·		•						
C 11			M													
C 12 H Maint WA Approach - Truss Painting \$ 1,575,900 \$ 3,677,100 \$ 205,100 \$ 5,80,900 \$ 5,627,000						\$ 7	17,900	\$ 1,675, ²	100							
C							,	. , ,		\$ 1.575.900	\$ 3.677.100					
14										+ ,,	· -/- /		\$ 480.900)		
15	C					\$ (65.840	\$ 68.	145			,	, , , , , ,			
16			L			_		*		\$ 9.818		\$ 10.505		\$	11.240	
17			L			*	-,	\$ 5.8	375	+ = 0,010		* ***********************************		\$		
18			M											7	-,,,,,	
19 M Rehab. Open Grid Deck Replacement																
Subtotal \$ 40,308,734										\$ 2,050,000	\$ 2,050,000					
Washington Roadway				i torias.	open one book replacement				I	+ =,000,000	+ =,000,000			S	Subtotal	
D 20	WASHING	TON RO	DADWAY													Ψ,σσσσ,σ.
D 21 M Maint. WA Parking Lot Paving and Parking Blocks \$ 124,000 \$ 124,000 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 1	***************************************			Rehah	WA BOG Sign Replacement				1							\$ 50,000
22 L Enhance WA Signage Enhancements \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 12,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$ 12,150 \$ 186,150 \$	D		M													
Pedestrian Crossing			I	_				\$ 12.	150							
Pedestrian Crossing			<u> </u>	Lilianoc	7771 Oighage Emilancements			Ψ 12,	100			1	_	S	Subtotal	
E 23 H Enhance BOG Pedestrian Crossing Project Planning Study 24 H Enhance BOG Pedestrian Crossing Project Design & Construction Subtotal \$ 25,000,000 Subtotal \$ 26,185,000 Total 15-Year Expenditure* Unanticipated \$ 39,504 \$ 40,887 \$ 42,318 \$ 43,799 \$ 45,332 \$ 46,919 \$ 48,561 \$ 578,870 Tier 1 Expenditures \$ 264,073 \$ 381,844 \$ 2,262,341 \$ 2,259,611 \$ 227,452 \$ 224,541 \$ 368,042 \$ 9,818,858 Total for Tier 1 & Pedestrian Crossing Expenditures \$ 303,577 \$ 422,731 \$ 2,304,659 \$ 2,303,410 \$ 272,784 \$ 271,460 \$ 416,603 \$ 10,397,728 Tier 2 Expenditures \$ 717,900 \$ 1,675,100 \$ 1,575,900 \$ 3,677,100 \$ 206,100 \$ 480,900 \$ - \$ 67,386,000	Podostriar	Cross	ina												abiotai	Ψ 100,130
E 24 H Enhance BOG Pedestrian Crossing Project Design & Construction	i cuestriai			Enhance	ROG Pedestrian Crossing Project Planning Study				I			Τ	T	1		\$ 1.185.000
Subtotal	_	23		Lillance								+				φ 1,103,000
SUMMARY OF EXPENDITURES 2026-2027 2027-2028 2028-2029 2029-2030 2030-2031 2031-2032 2032-2033 Total 15-Year Expenditure* Unanticipated \$ 39,504 \$ 40,887 \$ 42,318 \$ 43,799 \$ 45,332 \$ 46,919 \$ 48,561 \$ 578,870 Tier 1 Expenditures \$ 264,073 \$ 381,844 \$ 2,262,341 \$ 2,259,611 \$ 227,452 \$ 224,541 \$ 368,042 \$ 9,818,858 Total for Tier 1 & Pedestrian Crossing Expenditures \$ 303,577 \$ 422,731 \$ 2,304,659 \$ 2,303,410 \$ 272,784 \$ 271,460 \$ 416,603 \$ 10,397,728	E	24	Н	Enhance	BOG Pedestrian Crossing Project Design & Construction											\$ 25,000,000
SUMMARY OF EXPENDITURES 2026-2027 2027-2028 2028-2029 2029-2030 2030-2031 2031-2032 2032-2033 Total 15-Year Expenditure* Unanticipated \$ 39,504 \$ 40,887 \$ 42,318 \$ 43,799 \$ 45,332 \$ 46,919 \$ 48,561 \$ 578,870 Tier 1 Expenditures \$ 264,073 \$ 381,844 \$ 2,262,341 \$ 2,259,611 \$ 227,452 \$ 224,541 \$ 368,042 \$ 9,818,858 Total for Tier 1 & Pedestrian Crossing Expenditures \$ 303,577 \$ 422,731 \$ 2,304,659 \$ 2,303,410 \$ 272,784 \$ 271,460 \$ 416,603 \$ 10,397,728												1			hiptotal	¢ 26.195.000
SUMMARY OF EXPENDITURES 2026-2027 2027-2028 2028-2029 2029-2030 2030-2031 2031-2032 2032-2033 Expenditure*														<u> </u>	ubiolai	\$ 20,100,000
SUMMARY OF EXPENDITURES 2026-2027 2027-2028 2028-2029 2029-2030 2030-2031 2031-2032 2032-2033 Expenditure*												1				Tatal 45 Vacu
Unanticipated \$ 39,504 \$ 40,887 \$ 42,318 \$ 43,799 \$ 45,332 \$ 46,919 \$ 48,561 \$ 578,870 Tier 1 Expenditures \$ 264,073 \$ 381,844 \$ 2,262,341 \$ 2,259,611 \$ 227,452 \$ 224,541 \$ 368,042 \$ 9,818,858 Total for Tier 1 & Pedestrian Crossing Expenditures \$ 303,577 \$ 422,731 \$ 2,304,659 \$ 2,303,410 \$ 272,784 \$ 271,460 \$ 416,603 \$ 10,397,728 Tier 2 Expenditures \$ 717,900 \$ 1,675,100 \$ 1,575,900 \$ 3,677,100 \$ 206,100 \$ 480,900 \$ - \$ 67,386,000					SUMMARY OF EXPENDITURES	S 2026-	2027	2027-202	28	2028-2029	2029-2030	2030-2031	2031-2032	203	32-2033	
Tier 1 Expenditures \$ 264,073 \$ 381,844 \$ 2,262,341 \$ 2,259,611 \$ 227,452 \$ 224,541 \$ 368,042 \$ 9,818,858 Total for Tier 1 & Pedestrian Crossing Expenditures \$ 303,577 \$ 422,731 \$ 2,304,659 \$ 2,303,410 \$ 272,784 \$ 271,460 \$ 416,603 \$ 10,397,728 Tier 2 Expenditures \$ 717,900 \$ 1,675,100 \$ 1,575,900 \$ 3,677,100 \$ 206,100 \$ 480,900 \$ - \$ 67,386,000																
Total for Tier 1 & Pedestrian Crossing Expenditures \$ 303,577 \$ 422,731 \$ 2,304,659 \$ 2,303,410 \$ 272,784 \$ 271,460 \$ 416,603 \$ 10,397,728 Tier 2 Expenditures \$ 717,900 \$ 1,675,100 \$ 1,575,900 \$ 3,677,100 \$ 206,100 \$ 480,900 \$ - \$ 67,386,000						u b ·						\$ 45,332 \$ 227,452	\$ 40,918			
Tier 2 Expenditures \$ 717,900 \$ 1,675,100 \$ 1,575,900 \$ 3,677,100 \$ 206,100 \$ 480,900 \$ - \$ 67,386,000																
					Total for Her 1 & Pedestrian Crossing Expenditure:	S \$ 30	U3,5//	5 422,	31	\$ 2,304,659	\$ 2,303,410	β 2/2,/84	3 2/1,460) \$	416,603	5 10,397,728
					T 05	-	17.000	A 4.075	100 1	Φ 4.555.000	Φ 0.5== 133	0 000 100	I 6 100 55			Φ 27.000.000
I otal for Fier 1 & Fier 2 Expenditures \$ 1,021,477 \$ 2,097,831 \$ 3,880,559 \$ 5,980,510 \$ 478,884 \$ 752,360 \$ 416,603 \$ 77,783,728																
Table Notes:	Table No.				I otal for Her 1 & Her 2 Expenditure	S \$ 1,02	21,4//	\$ 2,097,8	331	ъ 3,880,559	\$ 5,980,510	\$ 478,884	\$ 752,360) \$	416,603	\$ 77,783,728

Table Notes:

^{*} All costs presented in this estimate are for planning purposes only. Actual costs will vary depending on the actual scope, market conditions, and the time implementation. Estimates include construction, contingency, and professional services as warranted.

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