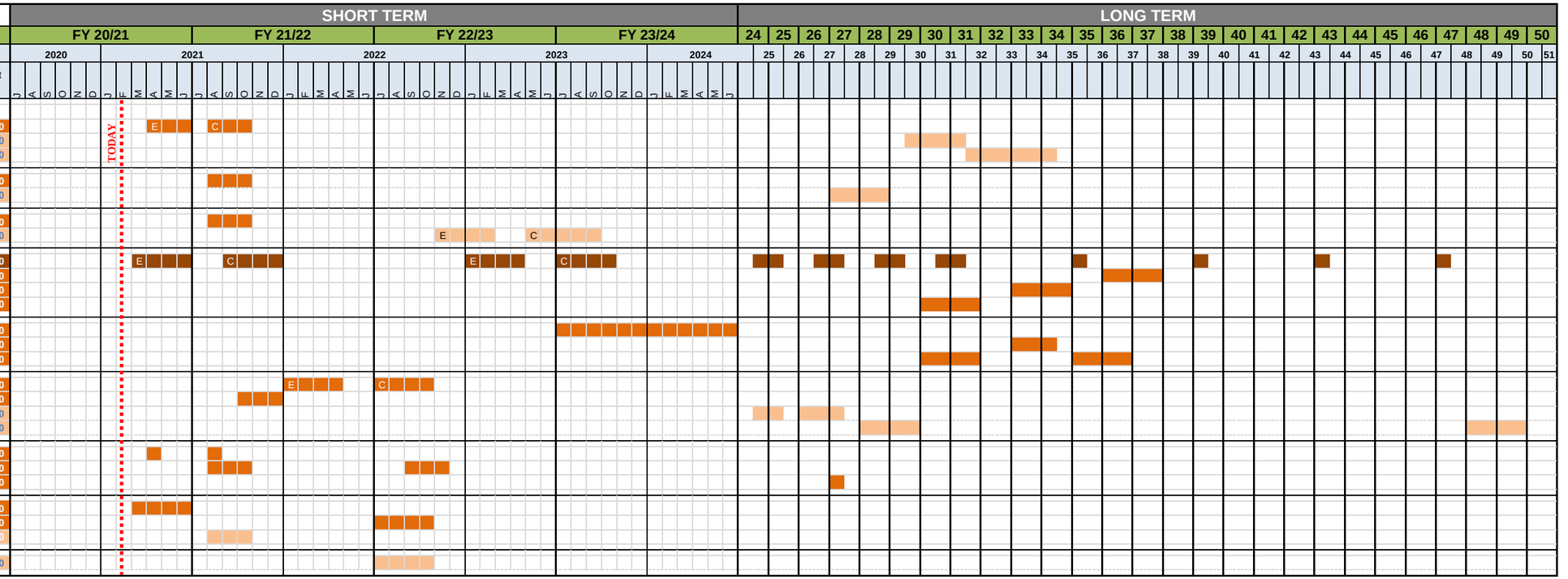
Capital Maintenance Plan
Draft 2/23/2021

2/23/2021

HOOD RIVER - WHITE SALMON BRIDGE

Capital Improvements Plan

Bridge Component Group	Project (Scope of Work)	Expected Duration	Estimated Cost (2020 Dollars)
Approach Structures	Bridge deck overlays	8 mos.	$ 500,000
	OR Approach Spans Replacement	24 mos.	$ 847,000
	WA Approach Spans Replacement	36 mos.	$ 4,117,000
Foundations (Subsurface)	Pier Underwater Inspection and Analysis	3 mos.	$ 50,000
	Pier 6 & 8 Concrete Repairs	24 mos.	$ 1,500,000
Substructure (Piers)	Pier Cap and Bearing Inspection and Eval.		$ 20,000
	Pier Cap Concrete Rehabilitation	12 mos.	$ 389,000
Superstructure (Steel Trusses)	Misc. Steel Repairs (2-yr cycle)	9 mos.	$ 100,000
	Lift Span - Phase 1 Seismic	24 mos.	$ 1,752,000
	OR Deck Truss Spans - Phase 1 Seismic	24 mos.	$ 6,000,000
	WA Deck Truss Spans - Phase 1 Seismic	24 mos.	$ 6,000,000
Paint Systems	Maintenance Painting	12 mos.	$ 500,000
	Bridge Painting - Lift Span	18 mos.	$ 4,329,000
	Deck Truss Repainting (4 projects)	48 mos.	$ 29,600,000
Deck Systems & Railing	Lift Span Guardrail Replacement	9 mos.	$ 100,000
	Analyze Rub Rail Replacement	3 mos.	$ 15,000
	Bridge Rail Replacement	18 mos.	$ 2,730,000
	Open Grid Steel Decking Replacement	24 mos.	$ 10,523,000
Lift Span M&E	Rehab Live Load Supports (North then South)	3 mos.	$ 50,000
	Replace Rack&Pinion Shafts, Couplings, Keys	3 mos.	$ 250,000
	Replace Counterweight Ropes	6 mos.	$ 1,000,000
Misc. Other	Load Posting Analysis	4 mos.	$ 60,000
	Load Posting Rehab	5 mos.	$ 250,000
	Embankment Sloughing at S. Abutment	3 mos.	$ 75,000
Tolling Systems	Weigh-In-Motion System	6 mos.	$ 415,000



Inspection & Maintenance Plan

Approach Structures	OR Appr - Deck Patching and Joint Repair	annual	$ 5,000
	WA Appr - Deck Patching and Joint Repair	annual	$ 10,000
	Misc. Maintenance & Repairs	bi-annual	$ 20,000
Foundations (Subsurface)	ODOT Underwater Inspections (2-yr cycle)	3 mos.	$ -
	Channel Scan at Pier Foundations (3-yr check)	2 mos.	$ 10,000
Substructure (Piers)	Clean and Reset Bearings (4-yr cycle)	2 mos.	$ 20,000
Superstructure (Steel Trusses)	ODOT Routine & Fracture Critical Insp (2-yr cycle)	3 mos.	$ -
Paint Systems			
Deck Systems & Railing	Grid Deck Crack Welding	Semi-annual	$ 60,000
	Replace Bolts & Guard Rail Segments	Annually	$ 60,000
Lift Span M&E	Counterweight Trunnion NDT (5-yr cycle)	3 mos.	$ 40,000
	Biennial M&E Inspections	3 mos.	$ 62,000
	In-depth Wire Rop Inspection (5-yr cycle)	3 mos.	$ 40,000
	Lubricate wire ropes	annually	$ 25,000
	In-depth Insp of Primary Reducers (5-yr cycle)	3 mos.	$ 45,000
	Skew System Control Updates	COMPLETED	$ 75,000
Misc. Other			
Tolling Systems	System Maintenance	Annually	$ 85,000
	ETC Hardware Warranty	Annually	$ 42,000

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CONCEPTUAL PHASING SCHEDULE
HOOD RIVER-WHITE SALMON INTERSTATE BRIDGE REPLACEMENT

DRAFT 11/13/2020

2018 (3Q–4Q) | 2019 (1Q–4Q) | 2020 (1Q–4Q) | 2021 (1Q–4Q) | 2022 (1Q–4Q) | 2023 (1Q–4Q) | 2024 (1Q–4Q) | 2025 (1Q–4Q) | 2026 (1Q–4Q) | 2027 (1Q–4Q) | 2028 (1Q–4Q)

PHASE 1

PHASE 1 - National Environmental Policy Act (NEPA) Environmental Clearances

- Re-evaluation of Prior Studies
- Technical Study Updates
- Traffic & Revenue Sketch Study
- P3 Education
- Governance Evaluation
- Sec. 106 Tribal Outreach
- Final EIS and Record of Decision (ROD)

PHASE 2

PHASE 2 - Governance and Project Development

- Bi-State Bridge Authority Established
- Grant Development & Applications
- 30% Engineering & Cost Estimates
- Traffic and Toll Revenue (T&R) Study
- Public Aesthetics Process Evaluation
- Project Delivery Evaluation
- Preliminary Financial Plan

PHASE 3

PHASE 3 - Pre-Construction

- Project Delivery Contract Awarded
- Permits Pursued/ROW Acquired
- Governance Implementation Plan
- Traffic and Toll Revenue (T&R) Study
- Public Aesthetics Process Evaluation
- Loan/Bond Application
- Financial Plan Completed

PHASE 4

PHASE 4 - Construction and Removal

- BSBA Underway
- New Bridge Constructed
- Current Bridge Removed

STATES & FEDS LEGISLATIVE

- 2018 3Q–4Q: Long Session
- 2019 1Q–4Q: Short Session; Prepare Ask for Study Bill & $5M; Election Day
- 2020 1Q–4Q: Legislators sworn in; Long Session; Prepare Ask for BSA Legislation
- 2021 1Q–4Q: Short Session; Prepare Ask for significant Transporttation Funding ~$35M x 3; Election Day
- 2022 1Q–4Q: Legislators sworn in; Long Session
- 2023 1Q–4Q: Short Session; Prepare Ask for significant Transporttation Funding ~$30M; Election Day
- 2024 1Q–4Q: Legislators sworn in; Long Session
- 2025 1Q–4Q: Short Session; Election Day
- 2026 1Q–4Q: Legislators sworn in; Long Session
- 2027 1Q–4Q: Short Session; Election Day
- 2028 1Q–4Q