

Jefferson County Board of Commissioners
Agenda Request

To: Board of Commissioners
Mark McCauley, County Administrator

From: Monte Reinders, PE, Public Works Director/County Engineer 

Agenda Date: September 23, 2024

Subject: 2025 Annual Road Program, Draft 2025-2030 Jefferson
County 6-Year Transportation Improvement Program (TIP),
and 2024 Bridge Condition Report Briefing

Statement of Issue:

Public Works will brief the County Administrator and Board of County Commissioners on the 2025 Annual Road Program, the 2025-2030 Jefferson County 6-Year TIP, and the 2024 Bridge Condition Report.

Analysis / Strategic Goals / Pros & Cons:

Per RCW 36.81.130 and Ch. 136-16 WAC the county engineer, on or before the first Monday in October, shall file with the county legislative authority a recommended plan for laying out, construction, and maintenance of county roads for the ensuing fiscal year. The plan, known as the Annual Road Program, consists of three components, an Annual Construction Program, an annual maintenance plan, and a road equipment purchases & major repairs plan. The Annual Construction Program shall meet the requirements of WAC 136-16-020 and conform as nearly as is practicable to the upcoming 6-Year TIP.

RCW 36.81.121 requires the annual adoption of a 6-Year TIP after holding a public hearing. The purpose of the law is to, "assure that each county shall perpetually have available advanced plans looking to the future for not less than six years as a guide in carrying out a coordinated transportation program". Additionally, and as required by WAC 136-20-060, the County Engineer shall furnish the county legislative authority with a written report of the annual bridge inspection findings. This report shall be made available to said authority and shall be consulted during the preparation of the proposed 6-Year TIP. The report shall include the county engineer's recommendations as to replacement, repair or load restriction for each deficient bridge.

Fiscal Impact / Cost-Benefit Analysis:

There is no direct cost related to the briefing. Fiscal impact is evaluated through the bi-annual budgeting process including adoption of an Annual Road Program.

Recommendation:

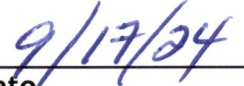
Discussion item, no action required.

Department Contact:

Eric Kuzma, 360-385-9167

Reviewed By:


Mark McCauley, County Administrator


Date

Jefferson County 2025

(A) Total Est. Construction \$6,527,277.00
 (B) Total Est. County Forces Construction \$159,600.00
 (C) Computed County Forces Limit \$1,262,437.50

Date of Final Adoption
 Ordinance/Resolution Number

Projects

Road Information & Other Funding

Project Name			Quilcene Complete Streets - Phase 1			PE & CE		\$35,000.00		Right of Way		\$0.00						
6 Year Program Number			TXT_6YearProgramNumber						Construction									
Annual Program Number			1						Contract		\$766,010.00		County Forces		\$0.00			
Project Type Code			P&T - Paths, Trails, Bikeways, etc.						Total		\$801,010.00							
Road Number		US101	Road Name		Highway 101						County Road Funds Amount						\$10,000.00	
BMP		294.60	From		294.6						Other Amount		\$695,350.00		Program Source		Ped/Bike-Pedestrian and Bicycle Program	
EMP		295.00	To		295						Other Amount		\$95,660.00		Program Source		County-Other County Funds (Not Road)	
Completed Length		0.40	FFC		05 - Rural Other Freeways and Expressways													
Project Name			Olympic Discovery Trail (ODT) - Connection						PE & CE		\$220,000.00		Right of Way		\$10,000.00			
6 Year Program Number			TXT_6YearProgramNumber						Construction									
Annual Program Number			2						Contract		\$4,391,415.00		County Forces		\$0.00			
Project Type Code			P&T - Paths, Trails, Bikeways, etc.						Total		\$4,621,415.00							

Annual Program Number		3		Contract		\$413,090.00		County Forces		\$0.00	
Project Type Code		Other - Other		Total		\$440,490.00					
Road Number		34230		Road Name		Lords Lake Loop Road					
BMP		0.00		From		x					
EMP		1.61		To		w					
Completed Length		1.61		FFC		09 - Rural Local Access					
Project Name				Shine Road - Slide Repair							
6 Year Program Number				TXT_6YearProgramNumber							
Annual Program Number				4							
Project Type Code				Other - Other							
Road Number		50540		Road Name		Shine Rd					
BMP		0.84		From		x					
EMP		1.59		To		y					
Completed Length		0.75		FFC		09 - Rural Local Access					
Project Name				Little Quilcene River Bridge Replacement							
6 Year Program Number				TXT_6YearProgramNumber							
Annual Program Number				5							
Project Type Code				BR - Short- span or Locally Funded							
Road Number		93150		Road Name		Little Quilcene					
BMP		14.55		From		x					
EMP		14.70		To		y					
Completed Length		0.15		FFC		07 - Rural Major Collector					
Project Name				Oil City Road Engineering Assessment - FLAP Project							
6 Year Program Number				TXT_6YearProgramNumber							
Annual Program Number				6							
Project Type Code				Other - Other							
Road Number		13430		Road Name		Oil City Rd.					
BMP		8.50		From		8.50					
EMP		10.98		To		10.98					
Completed Length		2.48		FFC		09 - Rural Local Access					
Project Name				Rhody Drive Ped-Bike Improvements - North Segment							
PE & CE				\$98,431.00							
Right of Way				\$29,594.00							

6 Year Program Number		TXT_6YearProgramNumber		Construction			
Annual Program Number		7		Contract	\$392,412.00	County Forces	\$0.00
Project Type Code		P&T - Paths, Trails, Bikeways, etc.		Total \$520,437.00			
				County Road Funds Amount \$36,214.00			
				Other Amount	\$484,223.00	Program Source	TAP(R)-Transportation Alternatives Program - Rural
Project Name		Rhody Drive Ped-Bike Improvements - South Segment		PE & CE	\$138,283.00	Right of Way	\$12,500.00
6 Year Program Number		TXT_6YearProgramNumber		Construction			
Annual Program Number		8		Contract	\$0.00	County Forces	\$0.00
Project Type Code		P&T - Paths, Trails, Bikeways, etc.		Total \$150,783.00			
				County Road Funds Amount			
				Other Amount	\$132,967.00	Program Source	WA-Misc State Miscellaneous
				Total \$17,816.00			
				Other Amount	\$17,816.00	Program Source	TAP(R)-Transportation Alternatives Program - Rural
Project Name		ODT - PS2P Project		PE & CE	\$130,000.00	Right of Way	\$0.00
6 Year Program Number		TXT_6YearProgramNumber		Construction			
Annual Program Number		9		Contract	\$0.00	County Forces	\$0.00
Project Type Code		P&T - Paths, Trails, Bikeways, etc.		Total \$130,000.00			
				County Road Funds Amount			
				Other Amount	\$130,000.00	Program Source	Fed Misc-Miscellaneous Federal Sources
Project Name		Hell Roaring Creek Trib. Culvert Replacement, Upper Hoh Road		PE & CE	\$5,000.00	Right of Way	\$0.00
6 Year Program Number		TXT_6YearProgramNumber		Construction			
Annual Program Number		10		Contract	\$0.00	County Forces	\$0.00
Project Type Code		DR - Drainage Structure		Total \$5,000.00			
Road Number		91420	Road Name	Upper Hoh Rd.			
BMP		1.24	From	x			
EMP		1.25	To	y			
Completed Length		0.01	FFC	07 - Rural Major Collector			
Project Name		Big Quilcene River Bridge Replacement Project		PE & CE	\$55,000.00	Right of Way	\$0.00
6 Year Program Number		TXT_6YearProgramNumber		Construction			
Annual Program Number		11		Contract	\$0.00	County Forces	\$0.00

Project Type Code			FA - Federal-Aid Bridge		Total		\$55,000.00					
Road Number		30130	Road Name		Linger Longer Rd.		County Road Funds Amount		\$10,000.00			
BMP		0.42	From		x		Other Amount		\$45,000.00			
EMP		0.43	To		y		Program Source		Fed Misc-Miscellaneous Federal Sources			
Completed Length		0.01	FFC		09 - Rural Local Access							
Project Name			Van Trojen Road - Bituminous Surface Treatment			PE & CE		\$0.00	Right of Way	\$0.00		
6 Year Program Number			TXT_6YearProgramNumber			Construction						
Annual Program Number			12			Contract		\$0.00	County Forces		\$154,600.00	
Project Type Code			Other - Other			Total		\$154,600.00				
Road Number			520009	Road Name		Van Trojen		County Road Funds Amount			\$154,600.00	
BMP		0.08	From		x							
EMP		1.30	To		y							
Completed Length		1.22	FFC		09 - Rural Local Access							
Project Name			Port Townsend Gateway Project			PE & CE		\$50,000.00	Right of Way		\$0.00	
6 Year Program Number			TXT_6YearProgramNumber			Construction						
Annual Program Number			13			Contract		\$0.00	County Forces		\$0.00	
Project Type Code			IS - Intersection			Total		\$50,000.00				
Road Number			SR20	Road Name		State Route 20		County Road Funds Amount			\$5,000.00	
BMP		9.56	From		x		Other Amount		\$45,000.00	Program Source		Fed Misc-Miscellaneous Federal Sources
EMP		9.82	To		y							
Completed Length		0.26	FFC		05 - Rural Other Freeways and Expressways							
Project Name			Upper Hoh Road - Dolosse Monitoring			PE & CE		\$28,900.00	Right of Way		\$0.00	
6 Year Program Number			TXT_6YearProgramNumber			Construction						
Annual Program Number			14			Contract		\$50,500.00	County Forces		\$0.00	
Project Type Code			Other - Other			Total		\$79,400.00				
Road Number			91420	Road Name		Upper Hoh Rd		County Road Funds Amount			\$10,719.00	
BMP		3.50	From		x		Other Amount		\$68,681.00	Program Source		Federal Lands Access Program-Discretionary
EMP		7.80	To		y							
Completed Length		4.30	FFC		07 - Rural Major Collector							
Project Name			Upper Hoh Road Spruce Creek Mitigation			PE & CE		\$12,500.00	Right of Way		\$0.00	
6 Year Program Number			TXT_6YearProgramNumber			Construction						

Annual Program Number		15		Contract		\$0.00		County Forces		\$0.00	
Project Type Code		Other - Other		Total		\$12,500.00					
Road Number		91420		Road Name		Upper Hoh Rd.					
BMP		9.70		From		x					
EMP		9.80		To		y					
Completed Length		0.10		FFC		07 - Rural Major Collector					
Project Name		Donkey Creek Tributary Culvert Replacement, Clearwater Road									
6 Year Program Number		TXT_6YearProgramNumber									
Annual Program Number		16									
Project Type Code		DR - Drainage Structure									
Road Number		10750		Road Name		Clearwater Rd.					
BMP		1.35		From		x					
EMP		1.36		To		y					
Completed Length		0.01		FFC		08 - Rural Minor Collector					
Project Name		Lindner Creek Culvert Replacement, Upper Hoh Road									
6 Year Program Number		TXT_6YearProgramNumber									
Annual Program Number		17									
Project Type Code		DR - Drainage Structure									
Road Number		91420		Road Name		Upper Hoh Rd.					
BMP		4.93		From		x					
EMP		4.94		To		y					
Completed Length		0.01		FFC		07 - Rural Major Collector					
Project Name		Upper Hoh Road Pavement Preservation - FLAP Project									
6 Year Program Number		TXT_6YearProgramNumber									
Annual Program Number		18									
Project Type Code		2R - Resurface and Restore									
Road Number		91420		Road Name		Upper Hoh Rd.					
BMP		0.00		From		x					
EMP		12.04		To		y					
Completed Length		12.04		FFC		07 - Rural Major Collector					
PE & CE				\$3,000.00		Right of Way		\$30,000.00			
		Construction									
Contract				\$0.00		County Forces		\$0.00			
Total				\$33,000.00							
County Road Funds Amount		\$3,000.00									
Other Amount		\$30,000.00		Program Source		RCO-WA St Recreation and Conversation Office, ALEA, NOVA, PSAR, WWRP, RRG, SRF					
PE & CE				\$2,500.00		Right of Way		\$28,000.00			
		Construction									
Contract				\$0.00		County Forces		\$0.00			
Total				\$30,500.00							
County Road Funds Amount											
Other Amount		\$30,500.00		Program Source		Fed Misc-Miscellaneous Federal Sources					
PE & CE				\$2,000.00		Right of Way		\$0.00			
		Construction									
Contract				\$0.00		County Forces		\$0.00			
Total				\$2,000.00							
County Road Funds Amount		\$2,000.00									

Project Name		Upper Hoh Road Bank Stabilization - FLAP Project		PE & CE		\$4,000.00		Right of Way		\$45,000.00			
6 Year Program Number		TXT_6YearProgramNumber		Construction									
Annual Program Number		19		Contract		\$0.00		County Forces		\$0.00			
Project Type Code		Other - Other		Total								\$49,000.00	
Road Number		91420	Road Name		Upper Hoh Rd.		County Road Funds Amount					\$49,000.00	
BMP		7.90	From		x								
EMP		8.20	To		y								
Completed Length		0.30	FFC		07 - Rural Major Collector								

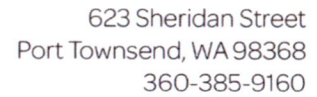
Project Name		Oil City Rd. Culvert Replacement (Bridge) MP 0.5 - FLAP Project		PE & CE		\$2,400.00		Right of Way		\$13,000.00			
6 Year Program Number		TXT_6YearProgramNumber		Construction									
Annual Program Number		20		Contract		\$0.00		County Forces		\$0.00			
Project Type Code		BR - Short- span or Locally Funded		Total								\$15,400.00	
Road Number		13430	Road Name		Oil City Rd.		County Road Funds Amount					\$15,400.00	
BMP		0.50	From		x								
EMP		0.51	To		y								
Completed Length		0.01	FFC		09 - Rural Local Access								

Project Name		Center Road Culvert Correction - Chimacum Creek		PE & CE		\$215,000.00		Right of Way		\$0.00			
6 Year Program Number		TXT_6YearProgramNumber		Construction									
Annual Program Number		21		Contract		\$0.00		County Forces		\$0.00			
Project Type Code		BR - Short- span or Locally Funded		Total								\$215,000.00	
Road Number		93150	Road Name		Center Rd.		County Road Funds Amount						
BMP		3.26	From		x		Other Amount		\$182,750.00	Program Source		RCO-WA St Recreation and Conversation Office, ALEA, NOVA, PSAR, WWRP, RRG, SRF	
EMP		3.27	To		y								
Completed Length		0.01	FFC		07 - Rural Major Collector		Other Amount		\$32,250.00	Program Source		NFPP-National Fish Passage Program	

Project Name		Paradise Bay Road Overlay		PE & CE		\$26,635.00		Right of Way		\$0.00			
6 Year Program Number		TXT_6YearProgramNumber		Construction									
Annual Program Number		22		Contract		\$0.00		County Forces		\$0.00			
Project Type Code		2R - Resurface and Restore		Total								\$26,635.00	
Road Number		503608	Road Name		Paradise Bay Rd		County Road Funds Amount					\$2,664.00	
BMP		3.80	From		x		Other Amount		\$23,971.00	Program Source		RAP-County Road Administration Board Rural Arterial Program	
EMP		6.00	To		y								

Completed Length		2.20	FFC	08 - Rural Minor Collector		
Project Name		Rick Tollefson Trail - Ballfield Connection				
6 Year Program Number		TXT_6YearProgramNumber				
Annual Program Number		23				
Project Type Code		P&T - Paths, Trails, Bikeways, etc.				
		PE & CE	\$37,664.00	Right of Way	\$0.00	
		Construction				
		Contract	\$0.00	County Forces	\$0.00	
		Total	\$37,664.00			
		County Road Funds Amount				\$26,829.00
		Other Amount	\$10,835.00	Program Source	Ped/Bike-Pedestrian and Bicycle Program	
Project Name		Duckabush Estuary Restoration-Realignment Project				
6 Year Program Number		TXT_6YearProgramNumber				
Annual Program Number		24				
Project Type Code		Other - Other				
Road Number	US101	Road Name	Hwy 101			
BMP	309.88	From	x			
EMP	310.50	To	y			
Completed Length	0.62	FFC	05 - Rural Other Freeways and Expressways			
Project Name		Snell Creek Culvert Replacement, Upper Hoh Road				
6 Year Program Number		TXT_6YearProgramNumber				
Annual Program Number		25				
Project Type Code		DR - Drainage Structure				
Road Number	91420	Road Name	Upper Hoh Rd.			
BMP	2.74	From	x			
EMP	2.75	To	y			
Completed Length	0.01	FFC	07 - Rural Major Collector			
Project Name		Oil City Road MP 8.8-8.9 Permanent Repair				
6 Year Program Number		TXT_6YearProgramNumber				
Annual Program Number		26				
Project Type Code		Other - Other				
Road Number	13430	Road Name	Oil City Rd.			
BMP	8.80	From	x			
EMP	8.90	To	y			
Completed Length	0.10	FFC	09 - Rural Local Access			
		PE & CE	\$75,000.00	Right of Way	\$0.00	
		Construction				
		Contract	\$0.00	County Forces	\$0.00	
		Total	\$75,000.00			
		County Road Funds Amount				\$9,375.00
		Other Amount	\$65,625.00	Program Source	FEMA-Federal Emergency Management Agency	

Project Name		West Valley Road Safe Routes to School Project		PE & CE		\$5,000.00		Right of Way		\$0.00		
6 Year Program Number		TXT_6YearProgramNumber		Construction								
Annual Program Number		27		Contract		\$0.00		County Forces		\$0.00		
Project Type Code		P&T - Paths, Trails, Bikeways, etc.										
				Total		\$5,000.00						
Road Number				514109	Road Name		West Valley Road					
BMP		0.00		From		x						
EMP		0.30		To		y						
Completed Length		0.30		FFC		09 - Rural Local Access						
Project Name		Yarr Bridge Replacement		PE & CE		\$89,000.00		Right of Way		\$0.00		
6 Year Program Number		TXT_6YearProgramNumber		Construction								
Annual Program Number		28		Contract		\$0.00		County Forces		\$0.00		
Project Type Code		BR - Short- span or Locally Funded										
				Total		\$89,000.00						
Road Number				93150	Road Name		Center Rd.					
BMP		3.39		From		x						
EMP		3.49		To		y						
Completed Length		0.10		FFC		07 - Rural Major Collector						
Project Name		Countywide Various Road Improvements		PE & CE		\$32,000.00		Right of Way		\$0.00		
6 Year Program Number		TXT_6YearProgramNumber		Construction								
Annual Program Number		29		Contract		\$0.00		County Forces		\$5,000.00		
Project Type Code		Other - Other										
				Total		\$37,000.00						
				County Road Funds Amount								
				\$37,000.00								

[illegible]

2025 - Annual Maintenance Plan

Descriptions		Annual Accomplishment Plan			Cost
Work Code	Work Description	Annual Accomplishment	Days of Accomplishment		Annual Cost
110	Preliminary Engineering	25	Days	25	\$ 32,000
115	Pavement Management	15	Days	15	\$ 17,250
300	Undstributed Equip. Rental	250	Days	250	\$ 212,500
301	Misc. Contracted Services	6	Days	6	\$ 2,700
320	Asphalt Hand Patching	100	Tons	33	\$ 153,833
330	Crack Sealing	15	Crew Days	15	\$ 70,313
340	Grading Gravel Roads	300	Road Miles	75	\$ 372,750
350	Dust Control	40	Road Miles	4	\$ 3,640
360	Shoulder Spot Repairs	12	Crew Days	12	\$ 47,640
370	BST Seal Coating	210,000	Square Yards	14	\$ 893,830
380	Asphalt Pre Leveling	375	Tons	19	\$ 206,625
385	Pavement Digout/Machine	700	Tons	23	\$ 351,717
390	Fog Sealing	231,000	Square Yards	8	\$ 139,909
410	Spot Ditching	30	Crew Days	30	\$ 183,000
412	Catch Basin Cleaning	40	Each	7	\$ 27,933
420	Grader Ditching	45	Shoulder Mile	30	\$ 224,100
420	Shoulder Grading	65	Shoulder Mile	7	\$ 49,075
430	Culvert Maint.	100	Each	33	\$ 163,000
440	Install Culverts	350	Linear Foot	12	\$ 98,233
450 & 460	Stream & Flood Control	15	Sites	3	\$ 11,310
470	Install Curbs	100	Linear Foot	1	\$ 5,610
480	Install Catch Basins	2	Each	2	\$ 10,740
500 (all)	Bridge Maintenance	7	Each	14	\$ 33,180
610 & 620	Sidewalks and Paths	15	Each	15	\$ 51,300
630	Street Lighting	365	Days	365	\$ 14,600
640	Roadway Signage	750	Each	188	\$ 427,500
641	Roadway Striping	250	Road Mile	8	\$ 353,250
641	RPM's	5	Road Mile	1	\$ 3,550
642	Guardrail Repair	200	Linear Foot	4	\$ 23,000
660	De-Ice/ Sanding	1,200	Man Hours	15	\$ 245,700
660	Snow Plowing	800	Man Hours	10	\$ 84,800
670	Roadway Sweeping (Elgin)	250	Lane Mile	25	\$ 40,250
670	Roadway Sweeping (Broce)	1,000	Lane Mile	50	\$ 63,000
671	Storm Cleanup	36	Crew Days	36	\$ 441,360
710	Mowing	2,500	Shoulder Mile	167	\$ 160,000
720	Machine Brushcutting	225	Shoulder Mile	281	\$ 487,969
730	Manual Brush/Weed Control	20	Crew Days	20	\$ 9,000
740	Tree Trimming	500	Hours	50	\$ 202,000
760	Road Slide/Washout Repair	10	Days	10	\$ 63,400
770	Landscape Maintenance	15	Days	15	\$ 12,300
780	Litter Patrol	10	Days	10	\$ 10,500
910 & 913	Maintenance Admin. / Super.	170	Days	170	\$ 417,350
930	Accounting	200	Days	200	\$ 88,000
940 & 950	Staff Training	200	Days	200	\$ 122,000
960	Staff Meetings	5	Each	5	\$ 68,850
980-990	Radios & Tools	250	Days	250	\$ 25,000
Legend	Fillable Cell		Total Annual Units		\$ 6,725,567
Formula	Formula Locked Annual Cells		Approx. FTE's		33.0

**SIX-YEAR
TRANSPORTATION IMPROVEMENT PROGRAM
2025 - 2030**

FUNCTIONAL CLASS	TIP PROJECT #	PROJECT IDENTIFICATION •Road Log Number / Bridge Number •Road Name(s) & Beginning /End Milepost •Project Number •Description of Work •Total Cost (Incl. prior/future) & Fund Source	IMPROVEMENT TYPE	FUNDING STATUS	ENVIRONMENTAL ASSESS	FREIGHT & GOODS CLASS	TOTAL LENGTH (mi.)	PROJECT COSTS IN DOLLARS										EXPENDITURE SCHEDULE									
								PROJECT PHASE	MONTH / YEAR FUND STARTS	FUNDING SOURCE INFORMATION						OTHER REVENUES	LOCAL FUNDS	TOTAL	YEAR 1 2025	YEAR 2 2026	YEAR 3 2027	YEAR 4 2028	YEAR 5 2029	YEAR 6 2030	TOTAL 2025-2030		
										FEDERAL FUNDS		STATE FUNDS															
										FEDERAL FUND TYPE	FEDERAL COST BY PHASE	STATE FUND TYPE	STATE COST BY PHASE														
03	1	US 101 & County Roads MP 294.6 to MP 295.0 (18019330) Quilcene Complete Streets - Phase 1 Publicly driven ped/bike improvements involving: US 101, traffic calming, sidewalk, crosswalk & lighting improvements with a focus on connecting to the school campus. Total = \$997,500 (WSDOT + \$95,660 from PIF)	28	S	E	T-3	0.50	PE R/W CN Total	1/13 3/20 6/25							10,000 0 791,010 801,010	10,000 0 791,010 801,010	10,000 0 791,010 801,010					10,000 0 791,010 801,010				
N/A	2	85020 4 Corners Rd. to Anderson Lake State Park (18019890) Olympic Discovery Trail (ODT) - Connection PS&E, ROW and Construction of the ODT segment connecting the Larry Scott Trail, via Jefferson Transit P&R, to Anderson Lake State Park. Total = \$1,519,332 (FHWA) + \$3,810,720 (RCO) + \$273,900 (JC Cap.)	28	S	I	N/A	3.50	PE R/W CN Total	1/17 1/20 4/25			WWRP WWRP STP/STBG				0 0 4,621,415 4,621,415	0 0 4,621,415 4,621,415	0 0 4,621,415 4,621,415					0 0 4,621,415 4,621,415				
09	3	34230 MP 1.6 (18020850) Lords Lake Loop Road - Slide Repair An approx. 300 ft. long, 11-12 ft. wide road realignment to repair an embankment slide that occurred during a 2021 storm event. Total CN = \$395,900 (FEMA)	04	S	I	T-5	0.1	PE R/W CN Total	6/22 8/24 4/25	FEMA FEMA FEMA	4,500 0 391,942 396,442	FEMAm FEMAm FEMAm	250 0 21,774 22,024		250 0 21,774 22,024	5,000 0 435,490 440,490	5,000 0 435,490 440,490	5,000 0 435,490 440,490					5,000 0 435,490 440,490				
09	4	50540 MP 0.84 (18020890) Shine Road - Slide Repair Shift 800ft.± of road away from bluff as a corrective measure following 2021 storm damage. Project also includes potential work to repair riprap. Total = \$367,152 incl. \$100k (FEMA + \$100k ARPA)	04	S	I	T-0	0.75	PE R/W CN Total	6/22 10/22 6/24	FEMA FEMA FEMA	4,500 0 249,076 253,576	FEMAm FEMAm FEMAm	250 0 13,837 14,087		250 0 13,837 14,087	5,000 0 376,750 381,750	5,000 0 376,750 381,750	5,000 0 376,750 381,750					5,000 0 376,750 381,750				
07	5	93150 Center Road MP 14.55 to MP 14.70 (18020970) Little Quilcene River Bridge Replacement Replacement of a 1955, 64-ft. concrete bridge with structural deficiencies, through a FHWA local bridge program grant. Total = \$5,680,128 (FHWA)	11	S	I	T-3	0.5	PE R/W CN Total	1/22 1/25 12/25	BRR BRR BRR	148,185 50,000 4,899,120 5,097,305				0 0 4,899,120 5,097,305	138,185 50,000 4,899,120 5,097,305	10,000 50,000 4,899,120 4,909,120					148,185 50,000 4,899,120 5,097,305					
09	6	13430 MP 8.50 to MP 10.98 (18020840) Oil City Road Engineering Assessment - FLAP Project Local funds for infrastructure protection, planning project performed by FHWA Western Federal Lands division, thru FLAP program. Total FLAP = \$250,000 (uses toll credits)	18	S	E	T-5	2.48	PE R/W CN Total	1/21	FLAP					2,000 0 0 2,000	2,000 0 0 2,000	2,000 0 0 2,000	2,000 0 0 2,000	2,000 0 0 2,000					2,000 0 0 2,000			
04	7	SR19 MP 9.56 to MP 10.1 (18020760) Rhody Drive Ped-Bike Improvements - North Segment Pedestrian & bicycle facilities along SR19 connecting HJ Carroll Park/ Rick Tollefson Trail to existing facilities at Chimacum Schools Campus. Total PE grant = \$109,907 (FHWA) Total CN grant = \$461,135 (TAP)	28	S/P	E	T-3	0.45	PE R/W CN Total	8/21 8/24 6/25	TA TA TA	17,998 0 466,225 484,223				6,620 29,594 466,225 520,437	24,618 29,594 466,225 520,437	24,618 29,594 466,225 520,437					24,618 29,594 466,225 520,437					
04	8	SR19 MP 8.94 to MP 9.56 (18020950) Rhody Drive Ped-Bike Improvements - South Segment Pedestrian & bicycle facilities along SR19 connecting the Chimacum School Campus to the Chimacum Crossroads commercial corridor. Total PE grants = \$435,041 (FHWA & WSDOT)	28	S/P	E	T-3	0.62	PE R/W CN Total	7/22 1/25 6/27	TA SWCC PBP	17,816 0 1,414,018 1,655,487	SWCC SWCC	195,467 46,002 1,414,018 1,655,487		351 46,353 1,414,018 1,673,654	213,283 46,353 1,414,018 1,673,654	138,283 12,500 1,414,018 1,673,654	75,000 33,853 1,414,018 1,673,654					213,283 46,353 1,414,018 1,673,654				
N/A	9	85020 Olympic Discovery Trail - PS2P Project (18021300) Planning & Design for 5 segments of the ODT: Old Hwy. 9 (100%PS&E); Disco. Bay-Seg. B (30% PS&E); Fairmount to Eaglemount (10% PS&E); Eaglemount to ALSP (10% PS&E); STO to ODT (10% PS&E). Jeff. Co. Total: \$2,080,000 (from \$16,130,000 FHWA RAISE Grant)	28	S	I	N/A	N/A	PE R/W CN Total	6/23	RAISE	2,030,000				2,030,000 0 0 2,030,000	130,000 0 0 130,000	425,000 0 0 425,000	625,000 0 0 625,000	425,000 0 0 425,000	425,000 0 0 425,000	2,030,000 0 0 2,030,000						
07	10	91420 MP 1.24 (18021210) Hell Roaring Creek Trib. Culvert Replacement, Upper Hoh Road A Trout Unlimited project to replace existing double CMP fish barrier culverts with a 4-sided concrete box culvert. Total = \$1,190,214 (NOAA)	44	S	I	T-4	N/A	PE R/W CN Total	1/24 8/24 6/26	NOAA NOAA NOAA	1,000 0 4,000 5,000				1,000 0 4,000 5,000	1,000 0 4,000 5,000	1,000 0 4,000 5,000	1,000 0 4,000 5,000	1,000 0 4,000 5,000	1,000 0 4,000 5,000	1,000 0 4,000 5,000						
09	11	30130 MP 0.42 (18021240) Big Quilcene River Bridge Replacement Project Project will restore a 1.1 mile segment of the Big Quil. River & adjacent floodplain, including a new 1100ft.-long Linger Longer Rd. Bridge. Total = \$25,000,000 (FHWA RAISE Grant managed by JST & HCSEG)	10	S	S	T-4	0.2	PE R/W CN Total	1/24 5/26	RAISE RAISE	10,000 40,000 50,000				10,000 40,000 60,000	20,000 35,000 55,000	20,000 5,000 5,000	20,000 5,000 5,000	20,000 5,000 5,000	20,000 5,000 5,000	20,000 40,000 60,000						
09	12	52000 MP 0.08 to MP 1.30 (18021340) Van Trojen Road - Bituminous Surface Treatment Project will convert existing gravel road surface to BST (bituminous surface treatment). Work will be completed by county road crew. Total = \$154,600	05	S	E	T-0	1.22	PE R/W CN Total	7/25						154,600 0 154,600	154,600 0 154,600	154,600 0 154,600	154,600 0 154,600	154,600 0 154,600	154,600 0 154,600	154,600 0 154,600	154,600 0 154,600					

**SIX-YEAR
TRANSPORTATION IMPROVEMENT PROGRAM
2025 - 2030**

Hearing Date: 12/ __/2024
Adoption Date: 12/ __/2024
Resolution No. __-24

FUNCTIONAL CLASS	TIP PROJECT #	PROJECT IDENTIFICATION •Road Log Number / Bridge Number •Road Name(s) & Beginning /End Milepost •Project Number •Description of Work •Total Cost (incl. prior/future) & Fund Source	IMPROVEMENT TYPE	FUNDING STATUS	ENVIRONMENTAL ASSES	FREIGHT & GOODS CLASS	TOTAL LENGTH (mi.)	PROJECT COSTS IN DOLLARS										EXPENDITURE SCHEDULE									
								PROJECT PHASE	MONTH / YEAR FUND STARTS	FUNDING SOURCE INFORMATION						OTHER REVENUES	LOCAL FUNDS	TOTAL	YEAR 1 2025	YEAR 2 2026	YEAR 3 2027	YEAR 4 2028	YEAR 5 2029	YEAR 6 2030	TOTAL 2025-2030		
										STATE FUNDS																	
										FEDERAL FUND TYPE	FEDERAL COST BY PHASE	STATE FUND TYPE	STATE COST BY PHASE														
03	13	601507 / 625309 / 698619 / SR19 (TBD) Port Townsend Gateway Project Joint City, County, WSDOT intersection safety improvement project including South Discovery Rd., Jacob Miller Rd., Mill Rd., and SR20. Total= \$9,550,000	21	S/P	I	T-3	0.33	PE R/W CN Total	1/25 3/27 5/30	SS4A SS4A SS4A	170,000 40,000 2,000,000 2,210,000				10,000 40,000 2,000,000 10,000	180,000 40,000 2,000,000 2,220,000	50,000	5,000	100,000 35,000	15,000 5,000	5,000	5,000	180,000 40,000 2,000,000 2,220,000				
07	14	91420 MP 3.5-3.8, 4.0-4.4, 7.5-7.8 (18019411) Upper Hoh Road - Dolosse Monitoring Project to monitor FLAP-Phase 2 funded dollosse installation at three locations along the Upper Hoh Rd. Monitoring is required for 15 years. Total = \$319,900	44	S	E	T-4	1	PE R/W CN Total	3/24 10/24	FLAP FLAP	 157,200 157,200				 71,800 71,800	 229,000 229,000	 79,400 79,400	 39,400 39,400	 38,400 38,400	 33,400 33,400	 38,400 38,400	 0	 229,000 229,000				
07	15	91420 MP 9.7 to MP 9.8 (18019880) Upper Hoh Road Spruce Creek Mitigation Environmental mitigation / Permanent repairs project in response to 2015 emergency repairs. Total= \$293,160 (FHWA)	20	S/P	S	T-4	0.1	PE R/W CN Total	11/18 6/27	ER ER	15,138 224,900 240,038			2,362 35,100 0	17,500 260,000 277,500	12,500	5,000						17,500 260,000 277,500				
08	16	10750 MP 1.35 (18021220) Donkey Creek Tributary Culvert Replacement, Clearwater Road A Trout Unlimited project to replace an existing PCC fish barrier culvert with an aluminum pipe arch culvert. Total = \$569,722 (84% RCO)	44	S/P	I	T-5	N/A	PE R/W CN Total	1/24 8/24 6/26	 SRFB	 30,000			 4,000 30,000 5,750	 4,000 30,000 5,750	3,000 3,000	1,000						4,000 30,000 5,750 39,750				
07	17	91420 MP 4.93 (18021230) Lindner Creek Culvert Replacement, Upper Hoh Road A Trout Unlimited project to replace ban existing CMP fish barrier culvert with a voided slab bridge. Total = \$2,199,613 (NOAA)	08	S	I	T-4	N/A	PE R/W CN Total	1/24 1/25 6/26	NOAA NOAA NOAA	3,500 28,000 5,500 37,000			 3,500 28,000 5,500	3,500 28,000 5,500 37,000	2,500	1,000						3,500 28,000 5,500 37,000				
07	18	91420 MP 0.00 to MP 12.04 (18020560) Upper Hoh Road Pavement Preservation - FLAP Project Pavement preservation & safety improvements along Upper Hoh Rd. to Hoh Rain Forest/ONP boundary performed by FHWA, WFL division. Total = \$1,567,272 (FLAP) + \$408,400 (RAP)	06 21	S	E	T-4	12.04	PE R/W CN Total	1/17 6/26	FLAP FLAP	 404,400	RAP RAP	4,000 404,400 408,400	4,000 404,400 408,400	2,000	2,000	404,400	404,400	0	0	0	0	408,400				
07	19	91420 MP 7.9 to MP 8.2 (18021170) Upper Hoh Road Bank Stabilization - FLAP Project Approximate location of next critical area of scour along Upper Hoh Rd. To Hoh Rain Forest/ONP boundary, performed by FHWA, WFL division. Total FLAP = \$4,993,378 (uses toll credits)	06 11	S	S	T-4	0.3	PE R/W CN Total	1/24 1/25 6/26	FLAP FLAP FLAP	 45,000 3,000			4,000 45,000 3,000	4,000 45,000 3,000	4,000		3,000		0	0	0	52,000				
07	20	13430 MP 0.5 (18021180) Oil City Rd. Culvert Replacement (Bridge) MP 0.5 - FLAP Project Local funds for permanent repair of Two Trout Creek washout by FHWA Western Federal Lands division, thru FLAP program. Total FLAP = \$1,828,560 (uses toll credits)	11	S	I	T-5	2.48	PE R/W CN Total	6/23 8/24 6/26	FLAP FLAP FLAP	 13,000 3,000			4,800 13,000 3,000	4,800 13,000 3,000	2,400	2,400	3,000		0	0	0	20,800				
07	21	93150 MP 3.26 (18020990) Center Road Culvert Correction - Chimacum Creek Replace non-conforming Chimacum Creek culvert with fish passable structure. Total grants= \$6,258,129 (RCO, USFWS, FHWA)	11	S/P	I	T-3	N/A	PE R/W CN Total	8/24 1/27 6/28	NFPP PROTECT	113,150 5,053,685 5,166,835	FBRB	492,150	605,300 50,000 5,053,685	215,000 50,000 5,053,685	180,000	180,000	30,300	30,000	5,053,685	0	0	5,708,985				
08	22	50360 MP 3.74 to MP 6.00 (TBD) Paradise Bay Road Overlay 2R overlay of Paradise Bay Road from Andy Cooper Road to SR104 at the Hood Canal Bridge. Total = \$1,234,561 (CRAB)	05	P	E	T-0	2.26	PE R/W CN Total	1/25 5/26	 RAP	 1,039,118			7,999 115,458	79,985 1,154,576	26,635	53,350	1,154,576		0	0	0	1,234,561				
07	23	85010 & 52710/93250 (18019560) Rick Tollefson Trail - Ballfield Connection Old Hadlock Road and Chimacum Road intersection realignment with multi-use trail connecting the Rick Tollefson Trail to Bob Bates Fields. Total = \$726,722 (WSDOT)	04 28	P	E	T-0 T-3	0.30	PE R/W CN Total	1/19 1/25 6/27	 PBP	 37,408 567,491			94,994 37,408 567,491	121,823 37,408 567,491	37,664	63,755	20,404		567,491	0	0	0	726,722			
03	24	US 101 MP 309.88-310.50 (18021260) Duckabush Estuary Restoration-Realignment Project Project will replace US101 causeway with a bridge. Will also realign a Duckabush Rd. segment & replace a culvert with a bridge on Shore Rd. Total = \$126 million (WDFW/USACE/WSDOT)	10	S/P	S	T-3	0.62	PE R/W CN Total	1/24 4/28	 0	 0			5,500 0 0	5,500 0 0	1,500	1,500	1,500	1,000				5,500 0 0				

**SIX-YEAR
TRANSPORTATION IMPROVEMENT PROGRAM
2025 - 2030**

FUNCTIONAL CLASS	TIP PROJECT #	PROJECT IDENTIFICATION •Road Log Number / Bridge Number •Road Name(s) & Beginning /End Milepost •Project Number •Description of Work •Total Cost (incl. prior/future) & Fund Source	IMPROVEMENT TYPE	FUNDING STATUS	ENVIRONMENTAL ASSESS	FREIGHT & GOODS CLASS	TOTAL LENGTH (mi.)	PROJECT PHASE	MONTH / YEAR FUND STARTS	PROJECT COSTS IN DOLLARS						EXPENDITURE SCHEDULE							
										FUNDING SOURCE INFORMATION						YEAR 1 2025	YEAR 2 2026	YEAR 3 2027	YEAR 4 2028	YEAR 5 2029	YEAR 6 2030	TOTAL 2025-2030	
										FEDERAL FUNDS		STATE FUNDS		OTHER REVENUES	LOCAL FUNDS								TOTAL
										FEDERAL FUND TYPE	FEDERAL COST BY PHASE	STATE FUND TYPE	STATE COST BY PHASE										
07	25	91420 MP 2.74 (18021250) Snell Creek Culvert Replacement, Upper Hoh Road A Trout Unlimited project to replace an existing PCC fish barrier culvert with a bridge. Total = \$1,946,124 (NOAA)	44	S/P	I	T-4	N/A	PE R/W CN Total	1/24 1/25 6/27 Total	NOAA NOAA NOAA Total	6,000 31,000 5,500 42,500					6,000 10,000 5,500 12,500	2,500 21,000 5,500 23,500	1,000 5,500 6,500 7,000				6,000 31,000 5,500 42,500	
09	26	13430 MP 6.73 (TBD) Oil City Road Unnamed Tributary - Culvert Replacement A Trout Unlimited project to replace an existing CMP fish barrier culvert with a concrete box culvert or a bridge. Total = \$1,700,000 (PE:Private Grant & CN:NOAA)	44	S/P	I	T-5	N/A	PE R/W CN Total	1/26 6/26 6/28 Total	NOAA NOAA NOAA Total	5,000 26,000 6,000 37,000					5,000 26,000 6,000 37,000	2,000 6,000 22,000 8,000	2,000 20,000 7,000 22,000	1,000 6,000 7,000 7,000			5,000 26,000 6,000 37,000	
09	27	13430 MP 5.96 (TBD) Oil City Road - Six Mile Creek Culvert Replacement A Trout Unlimited project to replace an existing large baffled fish barrier culvert with a bridge. Total = \$4,300,000 (PE:Private Grant & CN:NOAA)	44	S/P	I	T-5	N/A	PE R/W CN Total	1/26 6/26 6/28 Total	NOAA NOAA NOAA Total	5,000 26,000 6,000 37,000					5,000 26,000 6,000 37,000	2,000 6,000 22,000 8,000	2,000 20,000 7,000 22,000	1,000 6,000 7,000 7,000			5,000 26,000 6,000 37,000	
09	28	13430 MP 8.8 to MP 8.9 (TBD) Oil City Road MP 8.8-8.9 Permanent Repair Environmental mitigation / Permanent repairs project in response to 2015-2016 emergency repairs. Total= 860,000 (FEMA)	20	P	S	T-5	0.10	PE R/W CN Total	1/25 1/26 6/27 Total	FEMA FEMA FEMA Total	150,000 7,500 487,500 645,000	FEMAm FEMAm FEMAm Total	25,000 1,250 81,250 107,500	25,000 1,250 81,250 107,500	200,000 10,000 650,000 860,000	75,000 10,000 650,000 735,000	120,000 10,000 650,000 780,000	5,000 10,000 650,000 765,000				200,000 10,000 650,000 860,000	
09	29	514109 MP 0.00 to 0.21 (TBD) West Valley Road Safe Routes to School Project Design and construction of a multi-use trail along West Valley Road to connect more neighborhoods to the 2015 SRTS sidewalk project. Total = \$916,000	28	P	E	T-0	0.21	PE R/W CN Total	1/26 4/26 5/27 Total			SRTS SRTS SRTS Total	245,000 25,000 646,000 916,000		245,000 25,000 646,000 916,000	5,000 25,000 646,000 776,000	230,000 25,000 646,000 901,000	10,000 25,000 646,000 781,000				245,000 25,000 646,000 916,000	
07	30	93150 MP 3.39 to 3.49 (TBD) Yarr Bridge Replacement Replacement of a 1955, 25-ft. concrete bridge with structural deficiencies, through a FHWA local bridge program grant. Total = \$5,564,000 (FMSIB)	11	P	S	T-3	0.10	PE R/W CN Total	1/25 6/26 6/29 Total			FMSIB FMSIB FMSIB Total	684,000 105,000 4,775,000 5,564,000		684,000 105,000 4,775,000 5,564,000	89,000 10,000 4,775,000 4,874,000	110,000 35,000 4,775,000 4,920,000	270,000 60,000 4,775,000 5,045,000	185,000 60,000 4,775,000 5,045,000	30,000 4,775,000 4,805,000		684,000 105,000 4,775,000 5,564,000	
03	31	US 101 & County Roads MP 294.54 to MP 295.03 (TBD) Quilcene Complete Streets - Phase 2 Phase 2 project implementing plan to provide sidewalks, crosswalks, & bicycle lanes to connect school, community center & local businesses. Total = \$2,023,018 (WSDOT)	28	P	E	T-3	0.05	PE R/W CN Total	6/27 6/29 Total			PBP PBP Total	356,970 1,666,048 2,023,018		356,970 1,666,048 2,023,018			96,970 1,666,048 1,763,018	250,000 1,666,048 1,916,048	10,000 1,666,048 1,676,048			356,970 1,666,048 2,023,018
N/A	32	85020 Old Gardiner Road to Broders Road (TBD) Olympic Discovery Trail (ODT) - West PS&E, ROW and Construction of a 1.5-mile segment of the ODT from Old Gardiner Road, just south of Contractors Creek Bridge, to Broders Road. Total = \$6,151,000	28	P	I	N/A	1.50	PE R/W CN Total	1/28 1/29 6/30 Total	RAISE RAISE RAISE Total	285,000 45,000 5,821,000 6,151,000				285,000 45,000 5,821,000 6,151,000					280,000 45,000 5,821,000 6,146,000	5,000 45,000 5,821,000 6,146,000		285,000 45,000 5,821,000 6,151,000
N/A	33	(TBD) Elsie Lopeman Trail Extension A 0.45 mile trail extension through the County Sewer Treatment plant property. Project is a link in the Tri-Area Active Trans. Network. Total = \$743,200 (WSDOT)	28	P	I	N/A	0.45	PE R/W CN Total	1/28 1/29 5/30 Total			PBP PBP PBP Total	95,000 0 648,200 743,200		95,000 0 648,200 743,200			25,000 0 648,200 673,200	65,000 0 648,200 718,200	5,000 0 648,200 718,200			95,000 0 648,200 743,200
08	34	50360 MP 1.52 to MP 3.74 (TBD) Paradise Bay Road Overlay - Phase 2 2R overlay of Paradise Bay Road from Andy Cooper Road to Teal Lake Road. Total = \$1,892,800 (CRAB)	05	P	E	T-0	2.22	PE R/W CN Total	1/27 5/28 Total			RAP RAP Total	77,130 1,626,390 1,703,520		8,570 189,280 1,892,800	85,700 1,807,100 1,892,800			85,700 1,807,100 1,892,800				85,700 1,807,100 1,892,800
N/A	35	Countywide Safety Improvements Systemic safety countermeasures applied to county network identified in a local plan and funded thru a biennial WSDOT federal grant program. Total HSIP = \$1,400,000 (FHWA) (10% Local match for PE only)	21	P	E	N/A	N/A	PE R/W CN Total	1/26 6/27 Total	HSIP HSIP Total	180,000 1,200,000 1,380,000				20,000 0 1,200,000 1,400,000		50,000 1,200,000 1,250,000		50,000 1,200,000 1,250,000	50,000 50,000 100,000	50,000 50,000 100,000		200,000 1,200,000 1,400,000
N/A	36	Countywide Bridge Heavy Maintenance Program Protection of primary bridge components, seismic retrofits, etc. through a biennial WSDOT administered federal grant program.	48	P	E	N/A	N/A	PE R/W CN Total	1/26 6/27 Total	BRR BRR Total	60,000 240,000 300,000				15,000 60,000 75,000		25,000 150,000 175,000		25,000 150,000 175,000		25,000 150,000 175,000		75,000 300,000 375,000

SIX-YEAR
TRANSPORTATION IMPROVEMENT PROGRAM
2025 - 2030

FUNCTIONAL CLASS	TIP PROJECT #	PROJECT IDENTIFICATION •Road Log Number / Bridge Number •Road Name(s) & Beginning /End Milepost •Project Number •Description of Work •Total Cost (incl. prior/future) & Fund Source	IMPROVEMENT TYPE	FUNDING STATUS	ENVIRONMENTAL ASSESS	FREIGHT & GOODS CLASS	TOTAL LENGTH (mi.)	PROJECT COSTS IN DOLLARS								EXPENDITURE SCHEDULE											
								PROJECT PHASE	MONTH / YEAR FUND STARTS	FUNDING SOURCE INFORMATION						OTHER REVENUES	LOCAL FUNDS	TOTAL	YEAR 1 2025	YEAR 2 2026	YEAR 3 2027	YEAR 4 2028	YEAR 5 2029	YEAR 6 2030	TOTAL 2025-2030		
										FEDERAL FUNDS		STATE FUNDS															
										FEDERAL FUND TYPE	FEDERAL COST BY PHASE	STATE FUND TYPE	STATE COST BY PHASE														
		Total = \$375,000						Total			300,000		0	0	75,000	375,000	0	25,000	150,000	25,000	150,000	25,000	375,000				
N/A	37	Countywide Various Road Improvements						PE															0				
		Various projects countywide involving lighting, signage, intersection control, culvert replacement/rehabilitation, drainage, surfacing upgrades, pedestrian and bicycle facilities, or other improvements.	N/A	P	E	N/A	N/A	R/W	1/25							82,000	82,000	32,000	10,000	10,000	10,000	10,000	10,000	82,000			
								CN	1/25						25,000	25,000	0	5,000	5,000	5,000	5,000	5,000	25,000				
															130,000	130,000	5,000	25,000	25,000	25,000	25,000	25,000	130,000				
		Total = \$237,000						Total			0		0	0	237,000	237,000	37,000	40,000	40,000	40,000	40,000	40,000	237,000				
										26,257,267		19,287,816	195,660	1,285,654	47,026,397	8,221,769	8,095,512	6,510,983	8,019,485	7,579,448	8,599,200	47,026,397					
								PE			3,226,787		2,342,197	0	245,180	5,814,164	1,034,785	1,376,505	1,409,574	1,018,300	875,000	100,000	5,814,164				
								R/W			253,500		244,660	0	164,195	662,355	218,094	174,261	145,000	70,000	50,000	5,000	662,355				
								CN			22,776,980		16,700,959	195,660	876,279	40,549,878	6,968,890	6,544,746	4,956,409	6,931,185	6,654,448	8,494,200	40,549,878				
								Total			26,257,267		19,287,816	195,660	1,285,654	47,026,397	8,221,769	8,095,512	6,510,983	8,019,485	7,579,448	8,599,200	47,026,397				



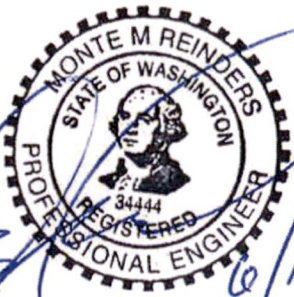
Bridge Condition Report 2024

Jefferson County, Washington



JEFFERSON COUNTY

2024 ANNUAL BRIDGE CONDITION REPORT


Approved by: _____
Monte Reinders, P.E.
Public Works Director / County Engineer

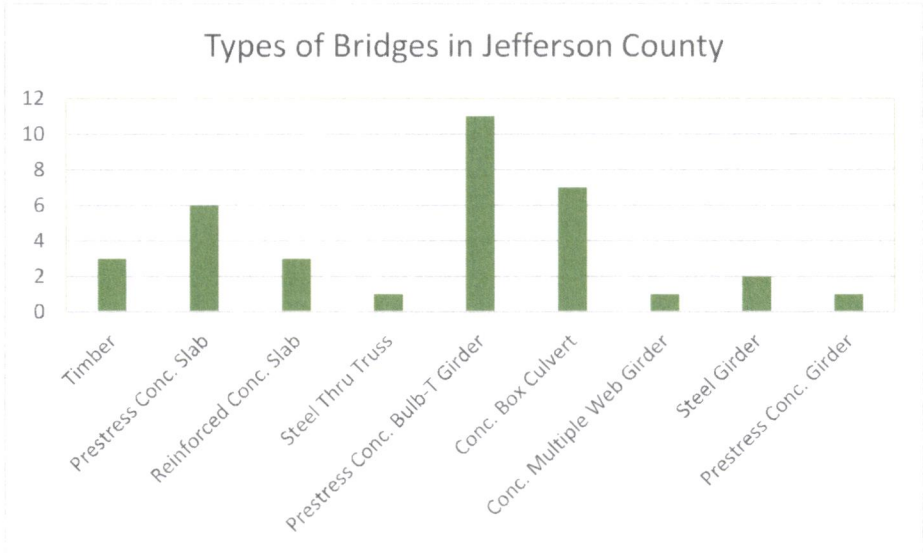
Prepared by: Mark Thurston 6-12-24
Mark Thurston, P.E.
Lead Bridge Inspector / Engineer IV

As required by WAC 136-20-060, “Each county engineer shall furnish the county legislative authority with a written report of the findings of the bridge inspection effort. This report shall be made available to said authority and shall be consulted during the preparation of the proposed six-year transportation program revision. The report shall include the county engineer’s recommendations as to replacement, repair or load restriction for each deficient bridge. The resolution of adoption of the six-year transportation program shall include assurances to the effect that the county engineer’s report with respect to deficient bridges was available to said authority during the preparation of the program. It is highly recommended that deficient short span bridges, drainage structures, and large culverts be included in said report.”

INTRODUCTION

Jefferson County Public Works has 38 active bridges—see the attached Master Bridge List (Appendix A) for a listing of the county bridges. Of these, 36 bridges meet the federal definition of a bridge and are subject to the National Bridge Inspections Standards. Two of the bridges do not meet the federal bridge definition, one because it is a pedestrian bridge, and one because it has less than a twenty-foot span; nevertheless, these two bridges are on Jefferson County’s biennial bridge inspection program. Jefferson County also has two permanently closed bridges.

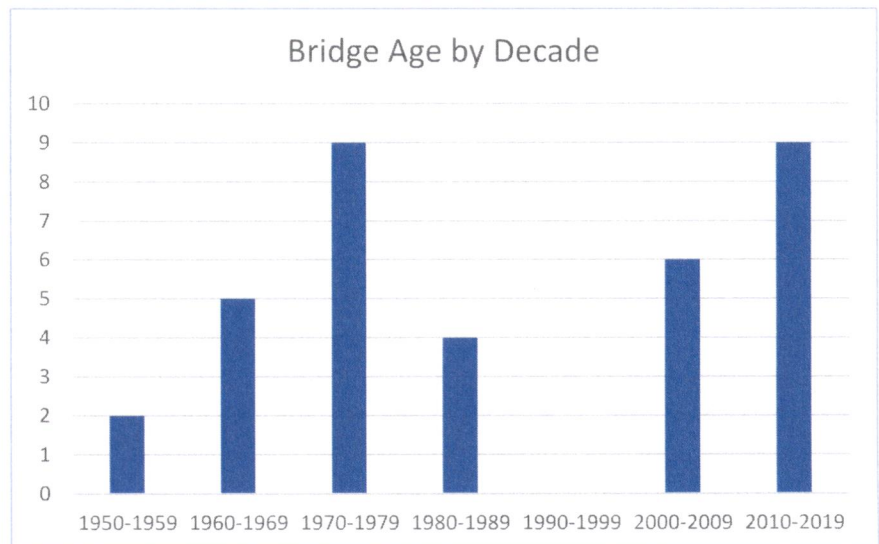
BRIDGE INVENTORY



BRIDGE INSPECTIONS

The National Bridge Inspection Standards (NBIS) and WAC 136-20-030 mandate that public agencies inspect and report on all bridges at least once every two years (routine inspection). Jefferson County staff performs all routine inspections. Special inspections are required for bridges that cannot be inspected adequately from the ground. For these bridges an Under-Bridge Inspection Truck (UBIT) is required. Steel bridges with fracture critical members may also require special inspections with the UBIT and/or other special equipment. Jefferson County has two bridges which require the UBIT inspection and one bridge which requires both the UBIT and the fracture critical inspection (identified in the attached Master Bridge List). Jefferson County currently has a contract with the Washington State Department of Transportation (WSDOT) to perform these inspections.

Jefferson County Public Works has split up the bridge inspections so that East Jefferson County bridges are inspected in odd-numbered years and West Jefferson County bridges are inspected in even-numbered years. In conformance with that schedule, Jefferson County completed the biennial inspections for all West Jefferson County bridges in 2024. The completed inspection reports were submitted to WSDOT, which verifies compliance with the NBIS and reports to the Federal Highway Administration (FHWA).



For the past twenty-plus years, all bridges have been assigned a sufficiency rating (SR), which is a calculated score based on numbers assigned to all of the bridge elements reviewed by the bridge inspector. The SR is a number from 0 to 100, with 100 being an entirely sufficient bridge, and 0 being an entirely insufficient bridge. The sufficiency rating has been used to determine if a bridge is eligible for federal rehabilitation or replacement funding. WSDOT is in the process of phasing out the Sufficiency Rating and has started to implement other methodologies for rating and comparing bridge deficiency. Currently, the county has two bridges that are considered to be deficient and eligible for bridge replacement funds. These are the Little Quilcene Bridge on Center Road, which was funded in 2021 and design is underway, and the Yarr Bridge on Center Road, for which a bridge replacement application was submitted to FHWA in April 2023, but not selected. In 2024, an application for bridge replacement was submitted to the Freight Mobility Strategic Investment Board, and the selection process is underway as of June 2024.

DEFICIENT BRIDGES

All bridges are required to have a “Load Rating” calculation. The Load Rating establishes how much weight the bridge can carry for several standard configurations of vehicle axle loads. If the load rating calculation shows that a bridge cannot safely carry one or more of the legal vehicle axle load configurations, then the bridge must be posted with the appropriate load limits. Jefferson County currently has five bridges that are load posted, Little Quilcene Bridge on Center Road,

POSTED BRIDGES



Yarr Bridge

Yarr Bridge on Center Road, Meyers Bridge on Belfrage Road, Hemphill Creek Bridge on Dowans Creek Road, and Fletcher Creek Bridge on Quinault South Shore Road.

A 2013 FHWA mandate requires that all bridges be load rated for a relatively new class of vehicle, the Specialized Hauling Vehicle (SHV). SHV's are closely-spaced multi-axle single unit trucks introduced by the trucking industry in the last couple decades. Examples include dump trucks, construction vehicles, solid waste trucks and other hauling trucks. The FHWA divided bridges into two categories, with the first category requiring updated load ratings by December 31, 2017, and the second category requiring updated load ratings by December 31, 2022. Prior to the 2013 mandate, Jefferson County already had eight bridges with load ratings that met the new FHWA requirements. Jefferson County has completed all of the new load ratings in accordance with the two deadlines. This work was funded at 86.5% with federal STBG funds.

In 2019 Public Works developed a new form and process for evaluating and issuing overweight/oversize vehicle permits. A policy was written to help ensure that consistent procedures are used in processing permits, and a new, more detailed application form was developed. The new application form, along with associated webpage updates, was deployed in 2019 and has been used successfully to issue permits.

OVERWEIGHT/ OVERSIZE VEHICLE PERMITTING PROCESS

The Old Little Quilcene Bridge and the Maple Creek Bridge have been placed in obsolete status and removed from the Master Bridge List. Both are permanently closed to vehicular traffic. This action

OBSOLETE BRIDGES

removed the requirement for biennial bridge inspection.

Routine maintenance of the county's bridges is conducted by the road maintenance department. Typical routine maintenance consists of deck cleaning, brush clearing, and minor miscellaneous repairs.

MAINTENANCE ACTIVITIES

In April 2019, the County applied for \$90,830 through the WSDOT/FHWA federal bridge replacement/rehabilitation program for a preventative maintenance project on the Hurst Creek Bridge, Clearwater Road milepost 2.66. The Hurst Creek Bridge has concrete girders with steel diaphragms between the girders at mid-span. The steel diaphragms are in need of repainting or replacement. In September 2019 we learned the project is not eligible for funding. An alternative funding source has not been found yet.

At the Donovan Creek Bridge, the approach roadway shoulder and guardrail have been undermined by wave action. The County Road Maintenance Crew is planning to repair this during summer/fall of 2024.

The Old Tarboo Bridge at Tarboo Creek on Old Tarboo Road has an ongoing maintenance issue associated with beaver dam construction directly underneath the bridge. Beavers have been removed twice over the last couple years, and partial beaver dam removal performed, but beavers continue to return to the site. Public Works will be removing the beaver dam again this summer under a permit that allows for follow-up dam removal over a two year period, as needed. In addition, one bridge rail terminal and rail section is scheduled to be replaced due to collision damage.

In March 2024, the Cassel Creek Bridge on Oil City Road was cleaned by the WSDOT Bridge Maintenance Crew under an interagency agreement. The cleaning was necessary in order to allow for visual inspection of the steel bridge girders, and for bridge preservation.

No emergency repairs or inspections were performed in 2023 at the time of this report.

EMERGENCY REPAIRS AND INSPECTIONS

Construction of a new concrete box culvert bridge at Upper Hoh Road MP 4.38 was completed in October 2023 by the Federal Highway Administration Western Federal Lands Division. This project replaced the existing culvert that was damaged from repeated emergency repairs, associated with flooding and plugging of the culvert. It also corrected a fish passage barrier. The project was 100% funded by a Federal Lands Access Program (FLAP) grant and toll credits.

COMPLETED PROJECTS

New bridge at Upper Hoh Road MP 4.38 (May 2024))

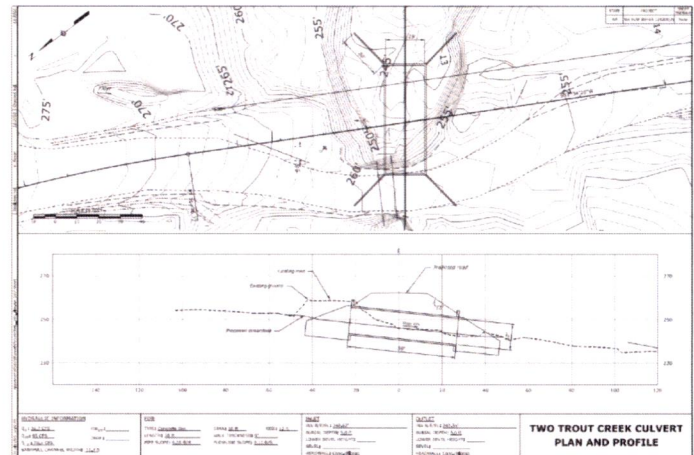


Current projects include the following:

CURRENT PROJECTS

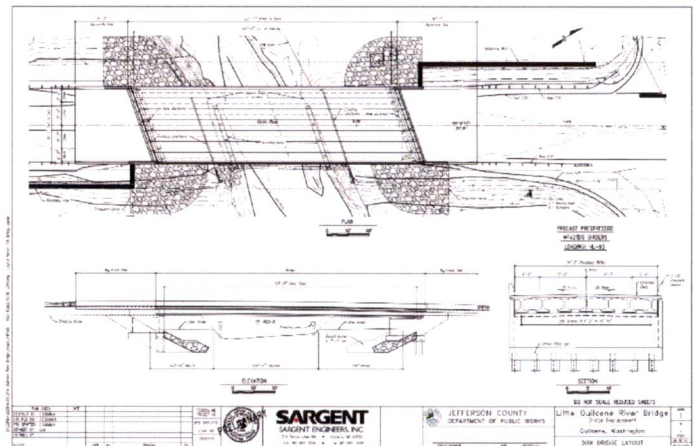
Western Federal Lands is in the process of designing a new concrete box culvert to replace the culverts at Oil City Road milepost 0.5, also funded at 100% for design and construction by FLAP and toll credits. The structure will not meet federal bridge length criteria, but will be included in the County's short-span bridge inspection program. This project will correct a fish-passage barrier, replace undersized culverts, and improve the roadway alignment. It is scheduled for construction in 2026.

Oil City Road MP 0.5 Culvert Replacement



The Little Quilcene River Bridge Replacement project on Center Road was funded in 2021 for design and construction through the WSDOT/ FHWA federal bridge replacement program. The Little Quilcene River Bridge is structurally deficient, and is load posted. The project is currently in the preliminary design phase. Construction is scheduled for 2026.

Little Quilcene River Bridge Replacement



The fish-barrier culverts at West Valley Road milepost 2.59 (Naylor Creek) and Gibbs Lake Road milepost 1.82 (Naylor Creek) will be replaced with new structures that will not meet federal bridge length criteria, but will likely

be included in the County's short-span bridge inspection program. These projects will be constructed in 2024. Construction is funded at 100% through the PROTECT Program, which is managed jointly by the Fish Barrier Removal Board and WSDOT.

Trout Unlimited has secured funding through NOAA, including design and construction, to replace multiple fish-barrier culverts in West Jefferson County. These projects include culvert replacements at Upper Hoh Road milepost 1.24 (Tributary to Hell Roaring Creek), Upper Hoh Road milepost 2.74 (Snell Creek), Upper Hoh Road milepost 4.93 (Lindner Creek), Clearwater Road MP 1.35 (Donkey Creek Tributary), Oil City Road MP 5.96, and Oil City Road MP 6.73. The new structures at all of these sites will be close to or greater than 20 ft. span, the minimum span to be federally classified as a bridge. All of these projects are in the preliminary design phase, and are scheduled for construction in 2025 and beyond.

The Jamestown S'Klallam Tribe has secured a 25 million dollar RAISE grant and is working with the Hood Canal Salmon Enhancement Group to replace the Linger Longer Bridge with a new 1,100 foot long bridge over the Big Quilcene River. The project is in the final design phase and is scheduled to begin construction in late 2024 or 2025.

A joint venture between WSDOT, Washington Dept. of Fish and Wildlife, and the U.S. Army Corps. of Engineers will replace the US HWY 101 bridges over the Duckabush River. Shorewood Road crosses Pierce Creek within the project limits. The project originally included replacement of the two culverts at Pierce Creek on Shorewood Road with a new 25 ft. span bridge, which may now be eliminated due to permitting conflicts. The project is planned for construction in 2028.

In addition to Current Projects, the following bridge projects will be programmed in the 2025-2030 Transportation Improvement Program (TIP):

**PROGRAMMED
PROJECTS**

Public Works proposes to replace the culvert at Center Road milepost 3.26 (Chimacum Creek) with a fish-passable structure, which will most likely meet the criteria for a bridge, given the stream width. Public Works is currently working with the FBRB to fund the design phase of this project with surplus funding from the 2023-2025 funding round.

Public Works is pursuing bridge replacement as a remedy for the load restrictions at Yarr Bridge. An application for bridge placement funding was submitted in April 2024 to the Washington State Freight Mobility Strategic Investment Board, and a determination is pending.

As part of the Rhody Drive Ped-Bike Improvements project planned for construction in 2026, a new pedestrian bridge will be constructed over Chimacum Creek.

Two or more heavy maintenance projects are anticipated during the period 2025-2030, and are identified as Countywide Bridge Improvements in the TIP. With 38 bridges in its inventory, and half of them around 50 years old, the county has to plan and budget for ongoing maintenance, in addition to capital projects. Potential maintenance projects include pile bracing/stiffening at Contractor's Creek Bridge, repainting of the steel girders at Cassel Creek Bridge, and Hurst Creek Bridge steel diaphragm repainting/replacement, as described under maintenance activities.

**RECOMMENDED
PROJECTS**

Jefferson County Public Works
Master Bridge List

LAST UPDATED: 6/4/24

Total number of open, active bridges:	38
Total number of West Jefferson County bridges:	21 NBI reportable bridges 1 short-span (non NBI) bridge
Total number of East Jefferson County Bridges	15 NBI-reportable bridges 1 pedestrian (non NBI) bridge
Permanently closed bridges:	Old Little Quilcene River Bridge (East Jefferson Co.) Maple Creek Bridge (West Jefferson Co.)

Jefferson County Public Works
Master Bridge List
East Jefferson County

Last Updated: 6/4/2024

FEDERAL STRUCTURE NUMBER	COUNTY NUMBER	NAME	ROAD NUMBER	ROAD NAME	MILEPOST	LENGTH (FEET)	BRIDGE TYPE		YEAR BUILT	FRACTURE CRITICAL	SCOUR CRITICAL	LOAD POSTED	DATE OF LAST INSPECTION	SUFFICIENCY RATING	FUNCTIONALLY OBSOLETE (FO)	STRUCTURALLY DEFICIENT (SD)	INSPECTION FREQUENCY (MONTHS)	REMARKS
							Superstructure	Substructure										
7996700	15E	Hunts	634509	Hunt Rd.	0.15	27	Reinforced Conc. Slab	Conc. Abutment w/ C.I.P. conc. piles	1971				4/15/21	89.68			24	
8165100	16E	Little Quilcene River	931507	Center Rd.	14.6	64	Reinforced Conc. Slab, Conc. Girder	Conc. Pile cap, Prestress. Conc. piles	1955			X	4/14/21	28.21	FO	SD	24	Bridge replacement funded in 2021.
8464900	17E	Yarr	931507	Center Rd.	3.44	25	Conc. Multiple Web Girder	Conc. Abutment w/ Prestress. Conc. piles	1955			X	4/15/21	64.97			12	
8320300	23E	Linger Longer	301309	Linger Longer Rd.	0.42	81	Prestress. Conc. Bulb-T Girder	Conc. Abutment w/ Conc. column over C.I.P. conc. piles	1969				4/14/21	40.54			24	
8381400	24E	Rocky Brook	250008	Dosewallips Rd.	3.01	47	Prestress. Conc. Bulb-T Girder	Conc. Abutment w/ Conc. Spread footing	1964				4/14/21	47.72			24	
8229900	25E	Meyers	503409	Belfrage Rd.	0.12	30	Timber	Timber abutment, timber piles	1977			X	6/30/21	74.85			24	
8488200	26E	West Uncas	500209	West Uncas Rd.	1.89	61	Reinf. Conc. Slab	Conc. Abutment, Conc. column over C.I.P. conc. pile	1964				4/14/21	83.26			24	
8136900	28E	Leland Creek	344009	Rice Lake Rd.	0.33	32	Prestress. Conc. Slab	Conc. Abutment, Conc. spread footing	1987				4/14/21	88.10	FO		24	
8660000	29E	Contractors Creek	501409	Old Gardiner Rd.	3.56	294	Timber Deck, Timber Girders	Conc. Pile cap, steel piles	2000				8/4/20	86.42			24	UBIT EVERY 4 YEARS -- LAST UBIT 8/4/2020
8754000	31E	Shine Creek	447608	South Point Rd.	0.25	70	Prestress. Conc. Slab	Conc. Abutment w/ Conc. Pile	2005				4/15/21	97.60			24	
8753900	32E	Donovan Creek	327508	E Quilcene Rd.	0.77	70	Prestress. Conc. Slab	Conc. Abutment w/ Conc. Pile	2006				4/14/21	87.36			24	
8753800	33E	Old Tarboo	357509	Old Tarboo Rd.	0.88	42	Prestress. Conc. Slab	Conc. Abutment w/ steel piles	2005				4/15/21	89.98			24	

Jefferson County Public Works
Master Bridge List
East Jefferson County

Last Updated: 6/4/2024

FEDERAL STRUCTURE NUMBER	COUNTY NUMBER	NAME	ROAD NUMBER	ROAD NAME	MILEPOST	LENGTH (FEET)	BRIDGE TYPE		YEAR BUILT	FRACTURE CRITICAL	SCOUR CRITICAL	LOAD POSTED	DATE OF LAST INSPECTION	SUFFICIENCY RATING	FUNCTIONALLY OBSOLETE (FO)	STRUCTURALLY DEFICIENT (SD)	INSPECTION FREQUENCY (MONTHS)	REMARKS
							Superstructure	Substructure										
8753800	38E	Andrews Creek	352909	Snow Creek Rd.	3.78	24	Conc. 3-sided Box Culvert	Conc. Spread Footing	2014				4/14/21	91.14			24	
8898600	41E	RTMT Pedestrian	352909	Rick Tollefson Mem. Trail	0.17	80	Steel Thru Truss	Conc. Spread Footing	2017				4/15/21	N/A			24	Pedestrian bridge - not reported to NBI
8902400	42E	Wally Bowman	500209	West Uncas Rd.	0.81	80	Prestress. Conc. Bulb-T Girder	Conc. Abutment w/ Conc. Pile	2018				4/14/21	98.95			24	
8934300	44E	Thorndyke Creek	418708	Thorndyke Rd.	4.71	35	Prestress. Conc. Slab	Conc. Spread Footing	2022								24	

Jefferson County Public Works
Master Bridge List
West Jefferson County

Last Updated: 6/4/2024

FEDERAL STRUCTURE NUMBER	COUNTY NUMBER	NAME	ROAD NUMBER	ROAD NAME	MILEPOST	LENGTH (FEET)	BRIDGE TYPE		YEAR BUILT	FRACTURE CRITICAL	SCOUR CRITICAL	LOAD POSTED	LAST INSPECTION	SUFFICIENCY RATING	STRUCTURALLY DEFICIENT (SD) FUNCTIONALLY OBSOLETE (FO)	INSPECTION FREQUENCY (MONTHS)	REMARKS
							Superstructure	Substructure									
8451600	01W	Fletcher Creek	911607	Quinault S. Shore Rd.	3.19	78	Prestress. Conc. Bulb-T Girder	Conc. Abutment w/ C.I.P. conc. pile	1974			X	5/24/22	76.14		24	
8258500	02W	Barlow	134309	Oil City Rd.	9.75	64	Prestress. Conc. Slab	Conc. Abutment w/ C.I.P. Conc. Pile	2005				5/24/22	83.43		24	
8145800	03W	Anderson Creek	134309	Oil City Rd.	4.44	87	Prestress. Conc. Bulb-T Girder	Conc. Abutment w/ C.I.P. conc. pile	1974				5/24/22	76.34		24	
8280100	04W	Hell Roaring Creek	914207	Upper Hoh Rd.	0.16	120	Prestress. Conc. Girder	Conc. Abutment w/ steel H pile	1982				5/25/22	73.37		24	
8298800	05W	Alder Creek	914207	Upper Hoh Rd.	2.07	67	Prestress. Conc. Bulb-T Girder	Conc. Abutment w/ C.I.P. conc. pile	1972				5/25/22	68.62		24	
8383600	06W	Rock Creek	914207	Upper Hoh Rd.	6.49	83	Prestress. Conc. Bulb-T Girder	Conc. Abutment w/ C.I.P. conc. pile	1973				5/25/22	47.21		24	
8934200	07W	Tower Creek	914207	Upper Hoh Rd.	7.5	120	Prestress. Conc. Bulb-T Girder	Open-ended steel pipe piling	2022							24	Bridge replaced in 2022
8391000	08W	Queets River	107509	Clearwater Rd.	0.6	844	Steel Plate Girder, C.I.P. conc. deck	Conc. Piers, Conc. Abutment w/ steel H pile	1988				7/5/22	98.71		24	UBIT EVERY 4 YEARS -- LAST UBIT 7/11/2018
8047800	09W	Hemphill Creek	146809	Dowans Creek Rd.	2.3	31	Timber Deck, Timber Girders	Timber abutment, timber piles	1977			X	5/25/22	75.96		24	
7966600	10W	Dowans Creek	146809	Dowans Creek Rd.	0.52	81	Prestress. Conc. Bulb-T Girder	Conc. Abutment w/ C.I.P. conc. pile	1974				5/25/22	78.06		24	

Jefferson County Public Works
Master Bridge List
West Jefferson County

Last Updated: 6/4/2024

FEDERAL STRUCTURE NUMBER	COUNTY NUMBER	NAME	ROAD NUMBER	ROAD NAME	MILEPOST	LENGTH (FEET)	BRIDGE TYPE		YEAR BUILT	FRACTURE CRITICAL	SCOUR CRITICAL	LOAD POSTED	LAS INSPECTION	SUFFICIENCY RATING	STRUCTURALLY DEFICIENT (SD) FUNCTIONALLY OBSOLETE (FO)	INSPECTION FREQUENCY (MONTHS)	REMARKS
							Superstructure	Substructure									
8475700	11W	Owl Creek	135109	Maple Creek Rd.	1.29	69	Prestress. Conc. Slab	Conc. Abutment w/ steel H piles	1989				5/24/22	83.39	FO	24	
8253600	13W	Hurst Creek	107509	Clearwater Rd.	2.66	67	Prestress. Conc. Bulb-T Girder	Conc. Abutment, Conc. column, Conc. footing	1969				5/24/22	76.76		24	
8339400	27W	Willoughby Creek	914207	Upper Hoh Rd.	3.52	60	Prestress. Conc. Bulb-T Girder	Conc. Pile cap w/ Prestress. Conc. piles	1962				5/25/22	32.99		24	
8659900	30W	Cassel Creek	134309	Oil City Rd.	3.59	154	Steel Girder	Conc. Pile cap, steel piles	2000	X			7/5/22	80.32	FO	24	Fracture Critical Special Inspection -- WSDOT performs inspection with UBIT biennially
8829800	34W	Pole Creek	914207	Upper Hoh Rd.	8.3	37	Conc. 3-sided Box Culvert	Conc. Spread Footing	2010				5/25/22	80.20		24	
8845600	35W	Dismal Creek	914207	Upper Hoh Rd.	9.19	22	Conc. 3-sided Box Culvert	Conc. Spread Footing	2011				5/25/22	73.19		24	
8853500	36W	Spruce Creek	914207	Upper Hoh Rd.	9.7	22	Conc. 3-sided Box Culvert	Conc. Spread Footing	2012				5/25/22	77.41		24	
8863300	37W	Alder Creek Tributary	914207	Upper Hoh Rd.	2.15	25	Conc. 3-sided Box Culvert	Conc. Spread Footing	2013				5/25/22	76.65		24	
8886600	39W	Upper Hoh Rd. MP 6.95	914207	Upper Hoh Rd.	6.95	21	Conc. 3-sided Box Culvert	Conc. Spread Footing	2016				5/25/22	82.69		24	
8903500	40W	Donkey Creek	107509	Clearwater Rd.	1.29	17	Conc. 3-sided Box Culvert	Open-ended steel pipe piling	2015				5/24/22			24	Short span bridge - not reported to NBI

Jefferson County Public Works
Master Bridge List
West Jefferson County

Last Updated: 6/4/2024

FEDERAL STRUCTURE NUMBER	COUNTY NUMBER	NAME	ROAD NUMBER	ROAD NAME	MILEPOST	LENGTH (FEET)	BRIDGE TYPE		YEAR BUILT	FRACTURE CRITICAL	SCOUR CRITICAL	LOAD POSTED	LAS INSPECTION	SUFFICIENCY RATING	STRUCTURALLY DEFICIENT (SD) FUNCTIONALLY OBSOLETE (FO)	INSPECTION FREQUENCY (MONTHS)	REMARKS
							Superstructure	Substructure									
8924800	43W	Canyon Creek	914207	Upper Hoh Rd.	10.2	120	Prestress. Conc. Bulb-T Girder	Open-ended steel pipe piling	2021				5/25/22	73.19		24	
not assigned yet	45W	Upper Hoh Rd. MP 4.38	914207	Upper Hoh Rd.	4.38	20	Conc. 3-sided Box Culvert	Conc. Spread Footing	2023							24	