



Yamhill County Public Works Department

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YAMHILL COUNTY BOARD OF COMMISSIONERS COVERSHEET

DATE: February 1, 2024
TO: Board of Commissioners
FROM: Mark Lago, Public Works Director
RE: Capital Improvement Projects (CIP) for 2024-25

BACKGROUND:

Capital Improvement Projects (CIP) for 2024-25 have three sections: Overlays, Chip-seals, and Bridges.

The County hired Capital Assets and Pavement Services (CAPS) in the summer of 2020 to evaluate, inspect, and update the pavement management system for all paved roads in the County, which is approximately 410 road miles. In November 2023 the pavement management program was updated by CAPS with current material costs and a new five-year schedule was produced.

The objective of this pavement management strategy is to design a more cost-effective, “best-first” approach. This philosophy prioritizes treating lower-cost roads with preventative maintenance treatments, such as chip and crack seals, to extend the life of the road before it deteriorates to a state where more costly rehabilitation and reconstruction treatments are required.

The County’s Road system has an updated Pavement Condition Index (PCI) rating of 77 out of 100, which is in the “good” category. The goal is to try to keep the PCI as close to 77 as possible over the next 5 years. For this to be accomplished the County will need to increase the annual CIP budget for Roads by \$100,000 to bring the total up to approximately \$2.9 Million per year.

This pavement management system report does not include any upgrading of gravel roads to paved roads. Upgrading gravel roads requires much more attention to the sub-base, shaping/profile, and drainage, which requires time, design, and funds. Upgrading gravel roads to paved surfaces is a goal, but because our bridges and extending the

useful life of our paved roads have been neglected for some time, we have prioritized them ahead of upgrading gravel roads.

Chip-seal projects:

This year we are proposing to complete the 25.5-miles (see attached for 2024-25 Chip Seal Projects).

Overlay projects:

This year we propose to complete 9.3 miles of asphalt overlays (see attached for 2024-25 Overlays Projects). The number of miles is lower than previous years due to material cost.

Bridges:

The County teamed up with a former ODOT bridge maintenance engineer that is now working for David Evans and Associates (DEA) to develop a Bridge Capital Improvement Plan (BCIP) for the next five years. This plan used the bridge inspection data for all 133 bridges in the County. The inspection data is compiled by a contracted bridge inspector every two years, with some more closely monitored bridges every year (see attached 2024-25 Bridge Replacement Projects).

The CIPs for 2024-25 were presented to the Road Improvement Advisory Committee (RIAC) at their December 14, 2023 meeting. RIAC was in support of the proposed CIPs for 2024-25.

STAFF RECOMMENDATION:

Approve the Capital Improvement Projects (CIP) for 2024-25

FISCAL IMPACT:

Approximately \$4.6 Million will come out of the Road Fund - Capital Outlay account (These projects are in the proposed 2024-25 budget)

ATTACHMENTS:

- 2024-25 Chip, Crack, and Fog Seal Projects
- 2024-25 Overlay Projects
- 2024-25 CIP Roads - Location Map
- 2024-25 Bridge Replacement Projects

Approved by the Yamhill County Board of
Commissioners on 2/1/24
via Board Order 24-20

2024/25 CIP Projects		Budget 2024- 2025					Est. at \$2.78/SY	STOCKPILE LOCATIONS						
No.	Road Name	FC	Begin	End	Length (FT)	Ave Width	Cost Per Road	Stockpile 1	Stockpile 2	Stockpile 3	Stockpile 4	Stockpile 5	Totals	
Single Chip & Fog Seal \$2.78/SY		FC - A- Arterial >2000, C-Collector 2000-400, R-Rural <400												
1	Rock Creek Rd (PCI 75)	C	Hwy 18	MP2	10,595.0	20.0	\$65,454	353.2						
2	Loganberry Lane (PCI 74)	R	End 92' E-9	Hwy 18	15,445.0	20.0	\$95,416	514.8						
3	Latham Road (PCI 61)	R	Grauer	Muddy Valley	11,722.0	20.00	\$72,416	390.7						
4	Oldsville Rd (PCI 69)	R	Hwy 18	Hwy 18	12,862.0	16.0	\$63,567	343.0						
5	Broadmede Rd (PCI 83)	C	Hwy 153	Sanders Rd	7,888.0	20.0	\$48,730			262.9				
6	Perrydale Rd (PCI 73)	R	Polk Co.	McKee Rd	6,725.0	21.0	\$43,623			235.4				
7	Orchard View Rd (PCI 89)	R	Orchardview	End Pavement	7,513.0	20.0	\$46,414		250.4					
8	Neck Road (PCI 89)	R	Wallace Rd	End of Pavement	16,790.0	18.0	\$93,352				503.7			
9	Stringtown Road (PCI 84)	A	State Hwy 221	Webfoot	7,626.0	20.0	\$47,112				254.2			
10	Webfoot Road (PCI 72)	A	Stringtown Rd	Palmer Creek	5,073.0	20.0	\$31,340				169.1			
11	Stockhoff Road (PCI 89)	R	Hwy 154	Starr Quarry	5,060.0	20.0	\$31,260				168.7			
Subtotal for Single Chip and Fog					107,299.0		\$638,682							
Dbl Chip & Fog \$5.25/SY					20.3	Miles	Est. at \$5.25/SY							
12	Briedwell Rd (PCI 63)	C	Riverbend Rd	Box #19050	10,398.0	20.00	\$121,310			693.2				
Subtotal for Dbl Chip/Fog					10,398.0		\$121,310							
Scrub/Chip/Fog \$5.59/SY					2.0	Miles	Est. at \$5.59/SY							
13	Westside Road (PCI 61)	A	Meadowlake	Moores Valley	17,272.0	20.00	\$214,557					1,151.5		
Subtotal for Scrub, Chip, and Fog					17,272.0		\$214,557							
Total Est.Cost for Single/Dbl, & Scrub Seals					3.3	Miles	\$974,549	Rate at 30 lbs/SY - Conservative at 15% floor loss						
					25.6	Total Miles		1602	250	1192	1096	1151	5291	

2024 CIP Projects

12/12/2023

2" Overlays - 2024 CIP Projects

Estimate Cost

	Road Name	FC	Begin	End	Length (FT)	Average Width	Area (SQFT)	Tons at 143 PCF	Cost Est. for Paving - \$13.05/SY
1	String Town Rd (PCI 67,73)	A	HWY 155	Webfoot	6464	20	129280	1,540.6	\$ 187,456.00
2	Riverside Dr. (PCI 73)	R	County Line	RR Tracks	9486	20	189720	2,260.8	\$ 275,094.00
3	Alderman Rd (PCI 71)	C	HWY 154	Kimsey Rd	8712	20	174240	2,076.4	\$ 252,648.00
4	Ribbon Ridge Rd (PCI 69)	A	HWY 240	North Valley Rd	4149	22	91278	1,087.7	\$ 132,353.10
5	Gun Club Rd (PCI 51)	R	Hwy 47	Mineral Springs	8747	20	174940	2,084.7	\$ 253,663.00
					7.11	Miles		5,248.8	\$ 1,101,214.10
							Subtotal		\$ 1,101,214.10

3" Overlays - 2024 CIP Projects

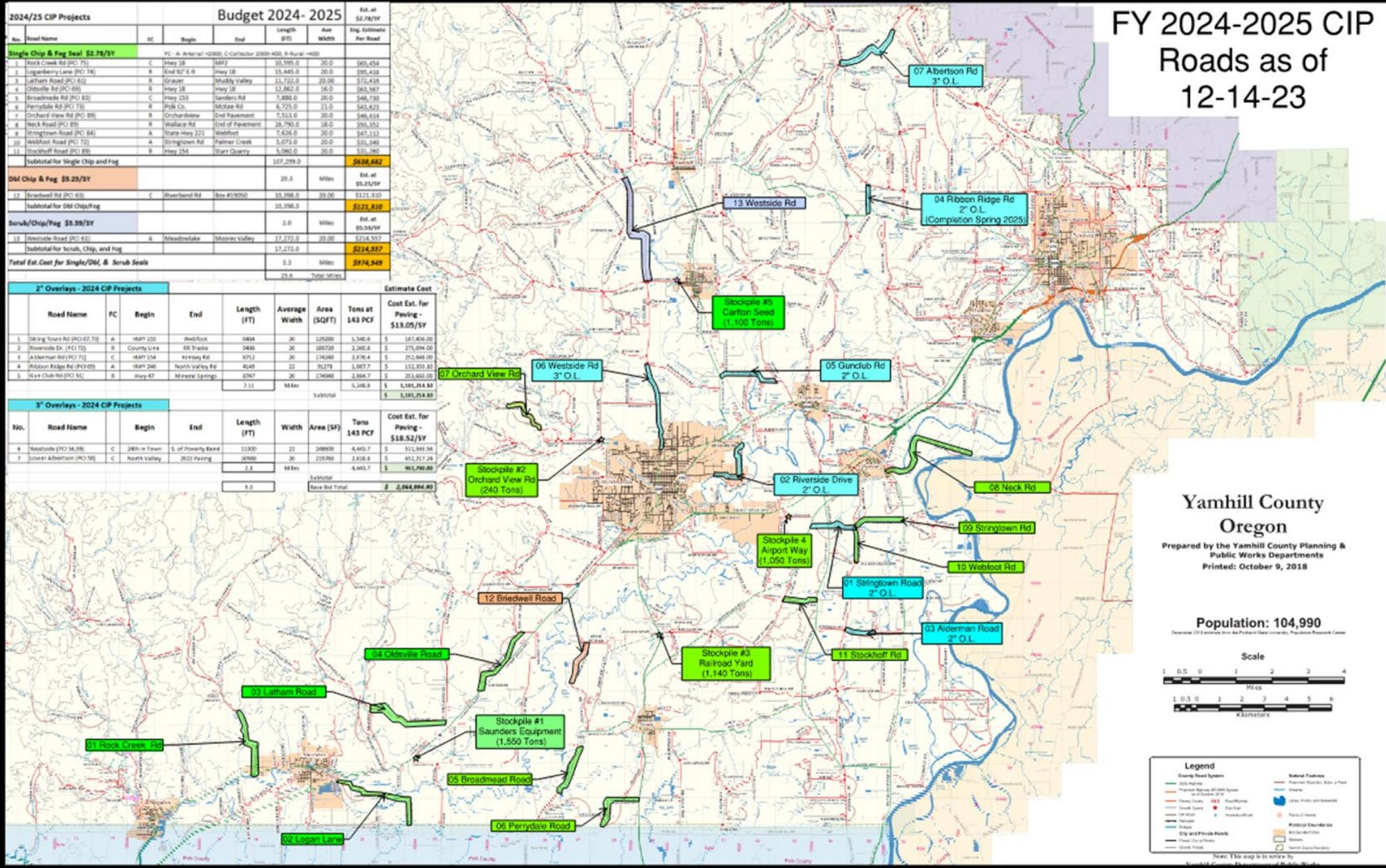
No.	Road Name		Begin	End	Length (FT)	Width	Area (SF)	Tons 143 PCF	Cost Est. for Paving - \$18.52/SY
6	Westside (PCI 56,59)	C	24th in Town	S. of Poverty Bend	11300	22	248600	4,443.7	\$ 511,563.56
7	Lower Albertson (PCI 58)	C	North Valley	2023 Paving	10988	20	219760	2,618.8	\$ 452,217.24
					2.1	Miles		4,443.7	\$ 963,780.80
							Subtotal		
					9.3		Base Bid Total		\$ 2,064,994.90

FY 2024-2025 CIP Roads as of 12-14-23

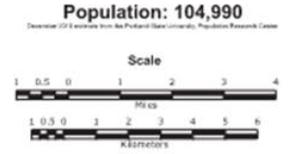
2024/25 CIP Projects							Budget 2024- 2025		Est. at 12/14/23
No.	Road Name	PC	Begin	End	Length (FT)	Ave Width	Ave Width	Estimate Per Road	
Single Chip & Fog Seal \$2.78/SY									
1	Rock Creek Rd (PC 72)	C	May 18	2022	33,300.0	20.0		\$63,454	
2	Luganberry Lane (PC 14)	B	End 9/7 E-9	May 18	13,445.0	20.0		\$29,438	
3	Latham Road (PC 61)	B	Gravel	Muddy Valley	11,722.8	20.00		\$27,438	
4	Oldville Rd (PC 69)	B	May 18	2022	12,862.0	16.0		\$63,567	
5	Broadmead Rd (PC 83)	C	May 13/3	Sundert Rd	9,888.0	20.0		\$46,730	
6	Perrydale Rd (PC 17)	B	July 04	Nickie Rd	6,725.0	21.0		\$43,622	
7	Orchard View Rd (PC 89)	B	Orchardview	End Pavement	7,513.0	20.0		\$46,434	
8	Neck Road (PC 85)	B	Wallace Rd	End of Pavement	26,790.0	18.0		\$39,352	
9	Stringtown Road (PC 84)	A	State Hwy 211	Webfoot	7,426.0	20.0		\$47,112	
10	Webfoot Road (PC 72)	A	Stringtown Rd	Palmer Creek	5,073.0	20.0		\$31,340	
11	Stockhoff Road (PC 89)	B	May 13/4	Wren Quarry	5,980.0	20.0		\$31,360	
Subtotal for Single Chip and Fog							187,299.0	\$638,642	
DM Chip & Fog \$9.23/SY									
12	Boardwell Rd (PC 61)	C	Boardwell Rd	Box #12050	33,398.0	30.00		\$121,910	
Subtotal for DM Chip/Fog							33,398.0	\$121,910	
Scrubs/Chip/Fog \$3.99/SY									
13	Westside Road (PC 61)	A	Shedrookdale	Moore Valley	17,272.0	20.00		\$214,517	
Subtotal for Scrub, Chip, and Fog							17,272.0	\$214,517	
Total Est. Cost for Single/DM, & Scrub Seals							235.8	Miles	\$974,549
							23.8	Total Miles	

2" Overlays - 2024 CIP Projects							Estimate Cost	
Road Name	PC	Begin	End	Length (FT)	Average Width	Area (SQFT)	Tons at 143 PCF	Cost Est. for Paving - \$13.05/SY
1. Stringtown Rd (PC 67-73)	A	Hwy 133	Webfoot	9484	20	129200	5,540.6	\$72,436.00
2. Riverdale Dr. (PC 72)	B	County Line	66 Trade	9486	20	120720	2,266.8	\$29,594.00
3. Alderman Rd (PC 71)	C	Hwy 134	Kirway Rd	8713	20	112440	2,876.4	\$37,488.00
4. Ribbon Ridge Rd (PC 05)	A	Hwy 240	North Valley Rd	4543	22	70278	1,887.7	\$24,633.33
5. New Club Rd (PC 11)	B	Hwy 47	Minner Springs	3747	20	27960	2,884.7	\$37,603.00
				2111	Miles	Subtotal	5,246.8	\$68,714.83

3" Overlays - 2024 CIP Projects							Estimate Cost		
No.	Road Name	Begin	End	Length (FT)	Width	Area (SF)	Tons 143 PCF	Cost Est. for Paving - \$18.52/SY	
6	Westside (PC 14, 38)	C	28th to Fran	S. of Powerline	11300	22	248600	4,463.7	\$82,693.54
7	Southern Albion (PC 56)	C	North Valley	2023 Paving	30500	20	219200	2,818.8	\$52,217.24
				2.3	Miles	Subtotal	4,463.7	\$63,988.80	
Base Bid Total								\$ 2,044,894.80	



Yamhill County Oregon
 Prepared by the Yamhill County Planning & Public Works Departments
 Printed: October 9, 2018



Legend

County Road System	Natural Features
City and Private Roads	Public Facilities
Road Status	Other

Note: This map is to serve as a guide only. It does not constitute a contract or warranty of any kind.

Bridge Replacement List:

BRIDGE #	STRUCNAME	Replacement Year	NBI Status	NBI Deck	NBI super	NBI Sub	YEAR BUILT	ADT	# of Maint Recs	# Priority Maint. Recs	# Priority >=4	Proposed Length	Proposed Width	PE	CN	Replacement Cost	Notes
11501	Deer Creek, Deer Creek Park Rd	2022	NBI	7	6	6	1967	37	10	4	1	73	16				COMPLTETED 2023
11822	Deer Creek, Gopher Valley Rd @ MP 8.80	2023	NBI	5	4	5	1962	274	7	3	2	47	30				COMPLTETED 2023
11502F	Rowland Creek, NW Pike Rd (County Rd 7)	FY 2024/25	Non-NBI	7	7	2	1959	317	6	3	3	32	30	\$ 100,000	\$ 800,000	\$ 900,000	Design/Bid/Low bid to Lawson Corp. In-water work Summer 2024
11517	Turner Creek, Pike Rd at Rocky Ford	FY 2024/25	NBI	6	4	5	1959	785	6	2	0	41	24	\$ 50,000	\$ 500,000	\$ 550,000	Load Rated. Superstructure Replacement Plans at 90%. No Permits Required - Bid Winter 2023-24. Work includes guard rail and cross slope corrections to 4% super elevation.
11824	Small Stream, SE Stringtown Rd (County Rd. 32)	FY 2025/26	Non-NBI	6	6	3	1962	164	8	5	2	36	30	\$450,000	\$800,000	\$1,250,000	for Engineering Services
11629	Ash Swale, Patty Ln	FY 2026/27	NBI	6	6	4	1958	129	5	3	1	142	32		\$ 590,000	\$ 590,000	ODOT selected for replacement. Total cost estimate = \$5,720,000. Match is \$590,000
11526	North Yamhill River, Old Railroad Grade Rd	FY 2026/27	NBI	5	6	5	1972	244	13	11	3	175	32		\$ 720,000	\$ 720,000	Being scoped by ODOT for repalcement funding. Total Cost Estimate = \$6,980,000. Match is \$720,000. Widespread defects. This bridgehas been approved. ODOT Working on IGA

Note: Technical Score is an approximation for comparison purposes. It does not reflect ODOT's actual scoring.