



Yamhill County Public Works Department

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YAMHILL COUNTY BOARD OF COMMISSIONERS COVERSHEET

DATE: April 23, 2020
TO: Board of Commissioners
FROM: Mark Lago, Public Works Director
RE: Maintenance Improvement Projects (MIP) for 2020-21

BACKGROUND:

All the projects on the Maintenance Improvement Projects (MIP) list will be designed by an engineer or constructed by a contractor. This year's MIP list will look different than in previous years. This is due to more emphasis put on bridge repair and replacement and not just road improvements. The County has fallen behind on their bridge work and this year's MIP list is a good first step forward.

There are five bridges on the list. Gopher Valley Road over Deer Creek will need a complete remove and replacement project. Whereas Geelan Road over Stag Hollow and North Hill Road over Panther Creek will need some assistance from a contractor. Riverbend over Salt Creek and Deer Creek Park over Deer Creek require an engineering design with construction to follow in budget year 2021-22.

Even though there are funds available for the Riverbend Road bridge construction, Oregon Department of Transportation (ODOT) will need this road open for a north to south local detour between Amity and McMinnville for the next year. This will also allow for some short falls anticipated with gas tax revenues due to COVID-19.

There is only one large road improvement project. This project is North Valley Road and one of the County's busiest roads. The project includes locating the County's right-of-way and road surface from Ribbon Ridge Road to Albertson Road. Then relocate road surface if need be to be within County's right of way with a minimum 11-foot lanes and a minimum 3-foot paved shoulders (total travel width 22 feet and (2) - 3-foot shoulders for a total paved surface of 28 feet). This project will require surveying and engineering in the summer/fall of 2020 and construction in the spring of 2021.

In previous years the Public Works crews have focused large amounts of time prepping roads to be paved for the MIP's. North Valley Road prep and construction will be performed by a contractor which allows the Public Works crew to focus on catching up on their roadside maintenance.

B.O. 20-136

There is also one road alternate, McDougal Road, and two bridge projects, Pike Road over Turner Creek and Laughlin Road over Ayers Creek, which can be added depending on actual construction costs of the MIPs.

The MIP's for 2020-21 was presented to the Road Improvement Advisory Committee (RIAC) at their January and February meetings. RIAC was in support of the proposal MIP's for 2020-21.

STAFF RECOMMENDATION:

Approve the Maintenance Improvement Projects (MIP) for 2020-21

FISCAL IMPACT:

Approximately \$4,200,000

ATTACHMENTS:

2020-21 Maintenance Improvement Projects spreadsheet

Accepted by Yamhill County
Board of Commissioners on
4/23/2020 by Board Order
20-136

2020-21 Maintenance Improvement Projects (MIP)

Contract Overlay																	
#	Road Name	Rd #	Class	From	To	Length, Mi.	Width, ft.	Depth (In)	ADT	ADT Yr.	Wingouts	Tons	Mon	Int	Paving	ENGR & SURVEY	Project Cost
1	North Valley Rd.	4, 62	MinA	Ribbon Ridge Rd	Albertson Rd	3.808	22	3	1876	2009	32	8393.3	-	0	\$ 1,900,000	\$380,000	\$2,280,000
TOTAL															\$1,900,000	\$2,280,000	

Contract Overlay Alternates																	
1	McDougal Rd.	83	LR	99W	99W	2.088	22	4	680	2019	34	6136.3	-	4	\$ 600,000	\$0	\$600,000
TOTAL															\$ 600,000		

Bridge Repairs									
#	Bridge Name	Bridge #	Critical -- Urgent	Needed	L (ft)	W (ft)	Repair Cost	ENGR	Project Cost
1	Riverbend Rd, over Salt Creek	11632F	CRITICAL - Replace Bent 3 pile 6 (1.5" shell), replace broken bracing at span 4, fill downstream shoulder at Bent 1 abutment undermining with rock, replace Bents 5-6 lateral bracing, replace Bent 4 cap. Seal cracks in deck and joints, install Z-boards, replace broken bracing, repair erosion at Bent 1 left. Remove debris from deck shoulders, cut berries & vegetation. Consider installing approach guardrails. 16 piles have poor condition checks - monitor and schedule for replacement.	Piles and Bents	201	30.7	\$1,000,000	\$250,000	\$1,250,000
2	Gopher Valley Rd, over Deer Creek	11822	CRITICAL - Secure the deck to the steel stringers and repair wearing surface to smooth transition, replace post at Bent 1 (right), install riprap around wingwalls (especially upstream). Sandblast and paint entire structure, re-grade approaches, install bridge end markers, install approach rails, clean the bearing area.	Replace	32	20	\$225,000	\$56,250	\$281,250
3	N Hill Road, over Panther Creek	11849	CRITICAL - Pave bridge full width, verify posting restriction requirements after load rating is updated to reflect repaired condition. If posting is required, update posting signs and place signs at decision points. Repair embankment erosion at Bent 6. Replace checked rail posts with greater than 50% penetration, update load rating to account for Bent 6 replacement, monitor checked and split piles, monitor caps, monitor eroded banks.	Help from Contractor, replace #3 Cap	95	25	\$150,000	\$37,500	\$187,500
4	Geelan Rd, over Stag Hollow	11703	URGENT - Replace pile 1-2, replace backwalls at Bents 1 and 2, replace timber post at NW corner of bridge.	Sheet Piles	21	20	\$25,000	\$0	\$25,000
5	Deer Creek Park, over Deer Creek	11501	CRITICAL - Replace deck, remove vegetation overgrowing east advanced warning posting and west bridge posting, install 4+ axle truck posting signs on west side of bridge. Urgent: Replace pile 3-3, Replace rotten and checked posts. Schedule: Clean debris from steel, clean and paint girders, install 1 lane bridge signs, clean and paint caps at Bents 1, 2 and 3, repair erosion at shoulder Bent 1. Remove vegetation overgrowing rails and for inspection access, install missing splice bolts, replace non-standard posting signs on east side of bridge in accordance with ODOT Sign Policy and Guidelines.	Replace	65	14.1	\$0	\$31,000	\$31,000
TOTAL BRIDGE							\$1,400,000	\$374,750	\$1,774,750
TOTAL BRIDGE + 10%							\$1,540,000		
TOTAL ROADS							\$1,900,000	\$380,000	\$2,280,000
PROJECT TOTAL							\$3,440,000	\$754,750	\$4,194,750

Alternate Bridges									
1	Pike Rd, over Turner Creek	11517	9" of asphalt on deck - remove all asphalt, repave full width, clean and repaint corrugated steel deck and steel girders, install the top portion of the bridge railing, add riprap to Bent 2 North wingwall. Contract deck and girder cleaning and painting.		41	23.9	\$123,750	\$41,250	\$165,000
2	Laughlin Rd, over Ayres Creek	11706	CRITICAL - Replace piles 1-3, 2-6, and 2-7. URGENT - install shims-Bent 1 piles 1,2,3,8,9, repair undermining at Bent 2 & provide additional scour protection. ROUTINE - patch spall and delamination on N end of Bent 1 cap, install Z-board at Bent 1 left, Load rate bridge.	Replace	21	32	\$225,000	\$56,250	\$281,250

TOTAL BRIDGE		\$348,750	\$97,500	\$446,250
TOTAL BRIDGE + 10%		\$383,625	\$97,500	\$481,125

