

2023
Oregon
Transportation
Infrastructure
Condition Report

Oregon Transportation Commission

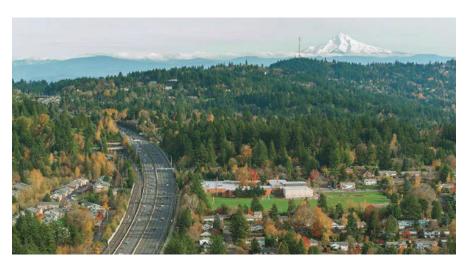
MARCH 2023

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Overview

With the passage of Keep Oregon Moving (HB 2017), the Oregon Legislature made a significant investment in transportation, both statewide and in local communities. With those investments came transparency, accountability and performance requirements. Reporting on the condition of transportation infrastructure and making those reports available to the legislature and public is one of those transparency and accountability measures.



Per ORS 184.657, every city and county is required to submit a condition report to the Department of Transportation (ODOT) by February 1, of odd-numbered years. Additionally, the Oregon Transportation Commission (OTC), by June 1, of odd-numbered years, is required to submit this biennial report, capturing both state and local government data, to the Joint Committee on Transportation.

Compiling both state and local government bridge and roads (pavement) condition data in one report creates a statewide view, providing members with the opportunity to better understand the impact of HB 2017 investments over time, as the legislation rolls out. Since the previous Oregon Transportation Infrastructure Condition Report was prepared in 2021, the percent of pavements and bridges in fair or better condition has remained the same. Since the 2019 report, two percent of pavements changed from good condition to fair condition.

The aggregated statewide data can inform future conversations between the OTC and the legislature about additional investments needed to keep Oregon's transportation system in a state of good repair.

Uniform Conditions and Reporting

The OTC, in coordination with counties and cities, developed and adopted a set of uniform condition descriptions and standardized processes for purposes of reporting on the condition of pavement and bridges owned by cities, counties and the state. The bridge and pavement condition information presented in this report is based on data submitted by local governments to ODOT, using the uniform condition descriptions adopted by the OTC in February 2018 and online reporting form developed by ODOT staff.

In coordination with the Association of Oregon Counties and the League of Oregon Cities, ODOT staff developed and distributed <u>educational materials</u> to increase local agencies' understanding of pavement and bridge condition ratings. Every city and county in Oregon successfully completed and submitted an infrastructure condition report using the online form.

National Bridge Inventory (NBI) Bridge Conditions



95%

NBI Bridges rated

"fair" or better

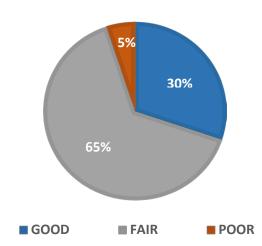
State NBI Bridge Conditions

Every city and county reported bridge conditions for bridges on the National Bridge Inventory (NBI), bridges that are more than 20 feet long and open to the public, within their jurisdictional responsibility. Determining whether a specific bridge is in good, fair or poor condition under the OTC-adopted bridge condition-descriptions, as with the Federal Highway Administration (FHWA) Performance Measure Rule, is dependent upon the lowest condition rating for the deck, superstructure, and substructure.

ODOT is responsible for inspecting and reporting on the condition of all state and local-government owned bridges in the state every two years, the results of the most recent inspections were provided to local agencies to help them complete their bridge condition reports.

It is important to note that while 95 percent of Oregon's NBI bridges are rated at fair or better, 5 percent of bridges are rated at poor. In addition, as bridges age and approach the end of their service lives, the size and frequency of repairs increase. An economic analysis may determine that a bridge replacement is the smartest long term investment. However, with bridge inventory needs exceeding available financing, few replacements can be funded. There is little choice but to

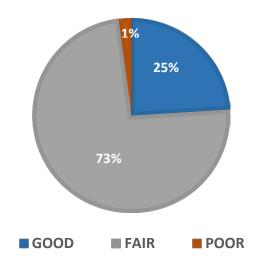
Condition of NBI Bridges – Statewide



use maintenance funds to repair the bridge and keep the route open, even though it's an inefficient use of funds and defunds maintenance of other important bridges. Considering the number of bridges constructed during the Interstate Era and how many of these are currently at the lower threshold of fair condition, the number of bridges that are becoming structurally deficient can be visualized as a wave and the number of these bridges far exceeds available funding. While keeping an inventory of 5% poor condition bridges safe is manageable at the current time, there is no guarantee that the inventory will remain manageable as the proportion of poor condition bridges increases.

State-owned Bridge Conditions

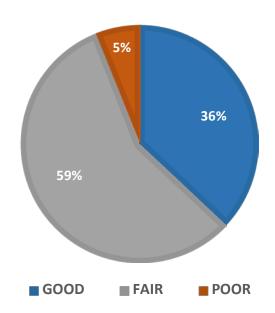
OWNER	GOOD	FAIR	POOR	TOTAL
ODOT	687	2,047	39	2,773
STATE PARK	14	30	1	45
OTHER STATE AGENCIES	11	10	2	23
TOTAL	712	2,087	42	2,841



*The reported number and condition of all stateowned NBI bridges are based on the March 2023 bridge conditions ODOT submitted to the Federal Highway Administration. The latest Bridge Condition Report can be found https://example.com/here/.

City-Owned NBI Bridge Conditions

ALL CITY-OWNED	GOOD	FAIR	POOR	TOTAL
ALL CITY-OWNED	237	390	31	658



CITY-OWNED NBI BRIDGE CONDITIONS					
OREGON CITIES	GOOD	FAIR	POOR	TOTAL	
Adams	0	2	0	2	
Albany	9	10	6	25	
Arlington	1	0	0	1	
Ashland	1	3	0	4	
Astoria	8	1	0	9	
Baker City	3	5	0	8	
Bandon	0	0	1	1	
Beaverton	10	10	0	20	
Bend	12	16	0	28	
Boardman	0	1	0	1	
Canby	1	1	0	2	
Cannon Beach	1	0	0	1	
Canyon City	1	2	1	4	
Canyonville	0	1	1	2	
Central Point	3	1	0	4	
Clatskanie	1	2	0	3	
Columbia City	1	0	0	1	
Coos Bay	1	0	0	1	
Cornelius	1	0	0	1	
Corvallis	10	16	1	27	

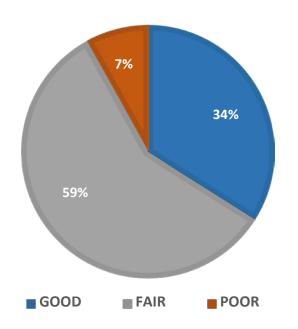
CITY-OWNED NBI BRIDGE CONDITIONS				
OREGON CITIES	GOOD	FAIR	POOR	TOTAL
Cottage Grove	0	5	0	5
Cove	0	1	0	1
Creswell	1	1	0	2
Dallas	3	0	2	5
Drain	1	1	0	2
Dufur	1	0	0	1
Eagle Point	1	0	1	2
Enterprise	2	4	0	6
Eugene	21	37	1	59
Falls City	2	0	0	2
Grants Pass	1	1	0	2
Gresham	3	7	0	10
Heppner	3	4	1	8
Hermiston	1	0	0	1
Hillsboro	1	2	0	3
Idanha	0	1	0	1
Independence	2	1	0	3
Jacksonville	1	4	0	5
John Day	2	3	0	5
Joseph	2	0	1	3
Keizer	2	3	0	5
Klamath Falls	4	7	0	11
La Grande	0	0	1	1
Lake Oswego	3	3	1	7
Lakeview	0	1	0	1
Lebanon	2	11	0	13
Lexington	2	0	0	2
Lincoln City	1	0	0	1
Madras	3	3	0	6
Malin	0	1	0	1
McMinnville	1	0	0	1
Medford	5	7	0	12
Millersburg	1	0	1	2
Milwaukie	1	2	0	3
Mitchell	0	1	0	1
Monmouth	1	1	0	2
Moro	1	0	0	1
Myrtle Creek	0	0	1	1
Newport	0	0	1	1
North Bend	0	1	0	1
North Powder	0	0	1	1
Oakridge	0	1	0	1
Oregon City	0	2	0	2

CITY-OWNED NBI BRIDGE CONDITIONS					
OREGON CITIES	GOOD	FAIR	POOR	TOTAL	
Pendleton	4	5	0	9	
Philomath	0	1	0	1	
Pilot Rock	1	2	1	4	
Portland	20	97	2	119	
Prineville	6	1	0	7	
Rainier	1	0	1	2	
Redmond	5	3	0	8	
Rockaway Beach	0	1	0	1	
Rogue River	1	2	0	3	
Roseburg	4	9	1	14	
Rufus	0	1	0	1	
Salem	15	41	0	56	
Scappoose	0	2	0	2	
Seaside	3	6	1	10	
Seneca	0	2	0	2	
Sherwood	1	0	0	1	
Silverton	1	1	0	2	
Sisters	3	0	0	3	
Springfield	2	5	0	7	
St. Helens	1	1	0	2	
Stanfield	2	0	0	2	
Stayton	1	6	1	8	
Sutherlin	2	2	0	4	
Sweet Home	0	2	0	2	
Talent	2	2	0	4	
The Dalles	3	1	0	4	
Tigard	6	4	1	11	
Tualatin	3	0	0	3	
Turner	1	0	0	1	
Umatilla	0	1	0	1	
Union	4	1	0	5	
Veneta	1	0	0	1	
Weston	1	3	1	5	
Wilsonville	3	1	0	4	
Winston	1	0	0	1	
TOTAL	237	390	31	658	

^{*}The reported number and condition of all city-owned NBI bridges are based on the best available data as of March 2023.

County-owned NBI Bridge Conditions

ALL COUNTY-OWNED	GOOD	FAIR	POOR	TOTAL
ALL COUNTY-OWNED	1,157	2,037	250	3,444



COUNTY-OWNED NBI BRIDGE CONDITIONS					
OREGON COUNTIES	GOOD	FAIR	POOR	TOTAL	
Baker County	19	47	12	78	
Benton County	23	61	9	93	
Clackamas County	36	117	6	159	
Clatsop County	22	28	2	52	
Columbia County	40	34	5	79	
Coos County	42	66	6	114	
Crook County	9	14	1	24	
Curry County	13	13	5	31	
Deschutes County	25	23	1	49	
Douglas County	60	182	11	253	
Gilliam County	4	11	0	15	
Grant County	10	23	4	37	
Harney County	40	26	5	71	
Hood River County	2	13	0	15	
Jackson County	58	91	1	150	
Jefferson County	13	19	4	36	
Josephine County	37	66	2	105	
Klamath County	71	58	6	135	
Lake County	23	15	0	38	
Lane County	100	306	5	411	
Lincoln County	33	42	10	85	
Linn County	89	128	88	305	
Malheur County	38	62	5	105	
Marion County	19	110	9	138	
Morrow County	13	17	1	31	
Multnomah County	11	25	3	39	
Polk County	27	58	5	90	
Sherman County	2	9	0	11	
Tillamook County	54	38	7	99	
Umatilla County	50	98	13	161	
Union County	32	26	4	62	
Wallowa County	36	19	5	60	
Wasco County	17	40	7	64	
Washington County	72	81	2	155	
Wheeler County	2	3	0	5	
Yamhill County	15	68	6	89	
TOTAL	1,157	2,037	250	3,444	

^{*}The reported number and conditions of all county-owned NBI bridges are based on the best available data as of March 2023.

Paved Federal-aid System (FAS) Roadway Pavement Conditions



90%

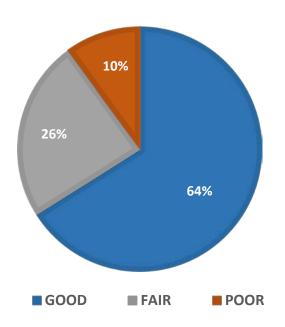
FAS roadway miles
rated "fair" or better

Reported Pavement Conditions

Reported pavement conditions are based on ODOT, city and county data for paved federal-aid system roads, within their respective jurisdictional responsibilities, using the OTC-adopted conditions (good, fair, and poor). The federal-aid highway system includes the roads that carry most traffic and nearly all trucks and includes residential streets and lower-volume roads. Limiting the reporting requirement to paved federal-aid system roads focuses this report on the roadways of highest significance, excluding unimproved, gravel, brick, or stone roadways from the reporting requirement.

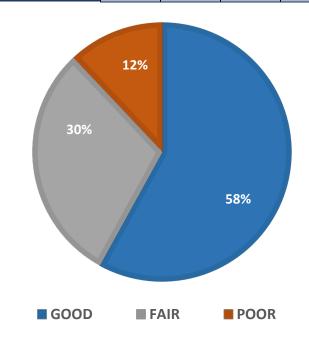
ODOT and some of the larger local government entities used their own internal processes and systems for capturing the conditions of roads and highways within their jurisdictions. The more-detailed condition information and data captured by these systems was converted to comply with the required reporting format to ensure consistent reports regardless of agency size and resources.

Condition of Paved Federal-aid System Road-miles – **Statewide**



State Reported Pavement Conditions (Paved Federal-aid System Road-miles)

STATE-OWNED	GOOD	FAIR	POOR	TOTAL
STATE-OWNED	4,651	2,406	995	8,052

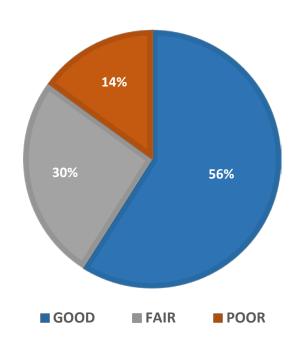


While the fair-or-better numbers are close to where they have been for the last decade, the percentage of good pavement has dropped significantly and is at its lowest level since 2001. Pavement funding reductions and inflationary effects have resulted in an insufficient investment in pavement preservation and maintenance. Pavement conditions are now on the decline and in just a few years, the growing bubble of fair pavement will turn poor. Pavement conditions are forecast to drop below ODOT's Key Performance Measure target by the end of the 2024-27 Statewide Transportation Improvement Program.

^{*}The reported number and conditions of all state-owned, paved federal-aid system, roadway miles are based on ODOT data as of September 2022.

City Reported Pavement Conditions (Paved Federal-aid System Road-miles)

ALL CITY-OWNED	GOOD	FAIR	POOR	TOTAL
ALL CITY-OWNED	1,457	776	385	2,618



REPORTED FEDERAL-AID SYSTEM ROADWAY MILES					
OREGON CITIES	GOOD	FAIR	POOR	TOTAL	
Albany	25	17	3	45	
Ashland	10	11	8	29	
Astoria	5	9	1	15	
Athena	1	0	0	1	
Aurora	0	1	0	1	
Baker City	7	12	2	21	
Bandon	0	7	0	7	
Bay City	1	1	0	2	
Beaverton	7	40	7	54	
Bend	91	11	2	104	
Boardman	1	2	1	4	
Brookings	2	3	1	6	
Burns	2	0	0	2	
Canby	8	8	2	18	
Cannon Beach	3	0	0	3	
Cascade Locks	0	1	0	1	
Cave Junction	1	0	0	1	
Central Point	11	0	0	11	

REPORTED FEDERAL-AID SYSTEM ROADWAY MILES				
OREGON CITIES	GOOD	FAIR	POOR	TOTAL
Chiloquin	0	0	1	1
Clatskanie	2	1	1	4
Coburg	2	2	3	7
Columbia City	2	1	0	3
Coos Bay	8	8	6	22
Coquille	2	1	0	3
Cornelius	6	1	2	9
Corvallis	27	15	5	47
Cottage Grove	6	5	4	15
Cove	1	0	0	1
Creswell	0	2	0	2
Dallas	4	7	1	12
Dayville	3	1	0	4
Drain	0	1	0	1
Dufur	1	1	0	2
Dundee	1	0	0	1
Eagle Point	11	1	0	12
Echo	1	4	0	5
Elgin	0	1	1	2
Enterprise	1	0	1	2
Estacada	0	2	0	2
Eugene	155	9	3	167
Falls City	0	1	0	1
Florence	13	2	1	16
Forest Grove	6	17	1	24
Fossil	0	0	1	1
Garibaldi	0	0	2	2
Gaston	0	0	1	1
Gearhart	2	2	0	4
Gervais	0	1	0	1
Gladstone	4	4	1	9
Grants Pass	29	11	4	44
Grass Valley	0	7	0	7
Gresham	42	17	13	72
Haines	0	1	0	1
Halfway	1	0	0	1
Happy Valley	11	2	0	13
Helix	0	0	1	1
Hermiston	3	10	4	17
Hillsboro	46	8	1	55
Hood River	2	9	1	12
Hubbard	2	2	1	5
Huntington	1	1	1	3
Imbler	1	0	0	1
Independence	2	2	0	4

Irrigon Island City Jacksonville Jefferson Jordan Valley	2 0 3 1 1 1 1 24	FAIR 1 1 2 2 0 0	POOR 0 1 0 0 0 0 0	TOTAL 3 2 5 3
Island City Jacksonville Jefferson Jordan Valley	0 3 1 1 1 1	1 2 2 0	1 0 0	2 5
Jacksonville Jefferson Jordan Valley	3 1 1 1 1	2 2	0	5
Jefferson Jordan Valley	1 1 1	0	0	
Jordan Valley	1 1 1	0		2
•	1		0	
locanh	1	0		1
Joseph			0	1
Junction City	//!	7	1	9
Keizer	24	0 4	0	24
King City Klamath Falls	20	9	4	6 33
La Grande	11	6	7	24
Lafayette	0	1	0	1
Lake Oswego	27	10	6	43
Lakeview	1	0	0	1
Lebanon	4	12	4	20
Lincoln City	6	2	1	9
Lostine	2	0	0	2
Madras	12	5	1	18
Manzanita	0	1	0	1
Maywood Park	0	0	2	2
McMinnville	19	7	1	27
Medford	70	5	0	75
Merrill	0	1	0	1
Millersburg Milton-Freewater	3 5	2	0	4
Milwaukie	7	6	4	8 17
Molalla	2	3	3	8
Monmouth	7	2	1	10
Moro	1	0	0	1
Mosier	0	0	1	1
Mt. Angel	0	1	1	2
Myrtle Creek	1	2	0	3
Myrtle Point	0	1	0	1
Newberg	11	4	1	16
Newport	5	9	7	21
North Bend	3	4	3	10
North Plains	1	0	0	1
North Powder	1	0	0	1
Nyssa Oakland	0	0	1	2
Oakridge	1	1	1	3
Ontario	3	12	3	18
Oregon City	26	5	3	34
Pendleton	17	7	8	32

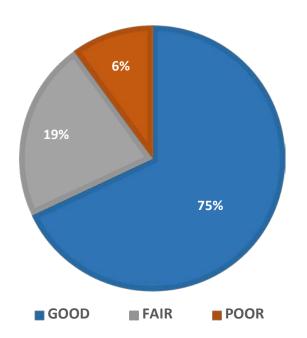
REPORTED FEDERAL-AID SYSTEM ROADWAY MILES				
OREGON CITIES	GOOD	FAIR	POOR	TOTAL
Philomath	0	1	0	1
Phoenix	1	3	1	5
Pilot Rock	1	1	0	2
Portland	167	131	145	443
Prairie City	0	0	1	1
Prescott	0	0	1	1
Prineville	18	6	0	24
Rainier	1	2	1	4
Redmond	51	0	0	51
Richland	2	0	0	2
Riddle	2	0	0	2
Rogue River	2	4	0	6
Roseburg	24	9	3	36
Salem	105	71	14	190
Sandy	12	3	0	15
Scappoose	1	5	2	8
Seaside	0	2	7	9
Sheridan	0	2	1	3
Sherwood	18		0	20
Silverton	2	2	2	6
Sisters	4	1	0	5
Springfield	25	15	16	56
St. Helens	1 2	11	2	14
Stanfield		0	0	2
Stayton Sutherlin	1 15	3	1	5 19
Sweet Home	15	6	4	11
Talent	3	2	1	6
Tangent	0	1	0	1
The Dalles	17	19	4	40
Tigard	25	0	0	25
Tillamook	3	3	2	8
Toledo	0	3	1	4
Troutdale	2	0	0	2
Tualatin	21	3	1	25
Turner	3	0	0	3
Ukiah	1	0	0	1
Umatilla	0	2	2	4
Vale	2	3	2	7
Veneta	9	0	0	9
Vernonia	0	1	1	2
Waldport	0	0	1	1
Warrenton	1	0	1	2
Wasco	0	1	0	1
L	1	1	1	<u> </u>

REPORTED FEDERAL-AID SYSTEM ROADWAY MILES					
OREGON CITIES	GOOD	FAIR	POOR	TOTAL	
West Linn	12	10	6	28	
Weston	0	1	0	1	
Wilsonville	22	6	4	32	
Winston	2	4	1	7	
Woodburn	3	12	2	17	
Yamhill	0	1	0	1	
TOTAL	1,457	776	385	2,618	

^{*}The number and condition of city-owned federal-aid system roadway miles are based solely on data submitted by local jurisdictions as of February 2023, it has not been tested or verified by ODOT staff.

County Reported Pavement Conditions (Paved Federal-aid System Road-miles)

ALL COUNTY-OWNED	GOOD	FAIR	POOR	TOTAL
	5,010	1,256	434	6,700



REPORTED FEDERAL-AID SYSTEM ROADWAY MILES				
OREGON COUNTIES	GOOD	FAIR	POOR	TOTAL
Baker	36	40	44	120
Benton	119	26	0	145
Clackamas	403	80	9	492
Clatsop	73	0	0	73
Columbia	41	74	41	156
Coos	134	33	17	184
Crook	176	10	1	187
Curry	86	12	0	98
Deschutes	316	1	0	317
Douglas	284	5	1	290
Gilliam	0	50	0	50
Grant	50	87	56	193
Harney	193	37	0	230
Hood River	41	6	4	51
Jackson	337	20	1	358
Jefferson	70	14	20	104
Josephine	119	18	1	138
Klamath	388	0	0	388
Lake	13	190	24	227
Lane	451	36	4	491
Lincoln	29	85	12	126
Linn	330	4	1	335
Malheur	60	29	37	126
Marion	229	49	6	284
Morrow	105	48	8	161
Multnomah	57	30	18	105
Polk	91	2	0	93
Sherman	26	33	1	60
Tillamook	66	32	30	128
Umatilla	141	7	5	153
Union	5	26	75	106
Wallowa	18	23	6	47
Wasco	112	29	0	141
Washington	320	59	10	389
Wheeler	23	17	0	40
Yamhill	68	44	2	114
TOTAL	5,010	1,256	434	6,700

^{*}The number and condition of county-owned federal-aid system roadway miles are based solely on data submitted by local jurisdictions as of February 2023, it has not been tested or verified by ODOT staff.