



# Oregon Infrastructure Needs & Opportunities

Jill Rees, Deputy State Director  
USDA Rural Development  
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## Infrastructure Needs in the United States



1 in 5 miles of highways and major roads, and 45,000 bridges, are in poor condition.



Power outages cost the U.S. economy up to \$70 billion annually (US DOE estimate).



Up to 10 million American households and 400,000 schools and childcare centers lack safe drinking water.



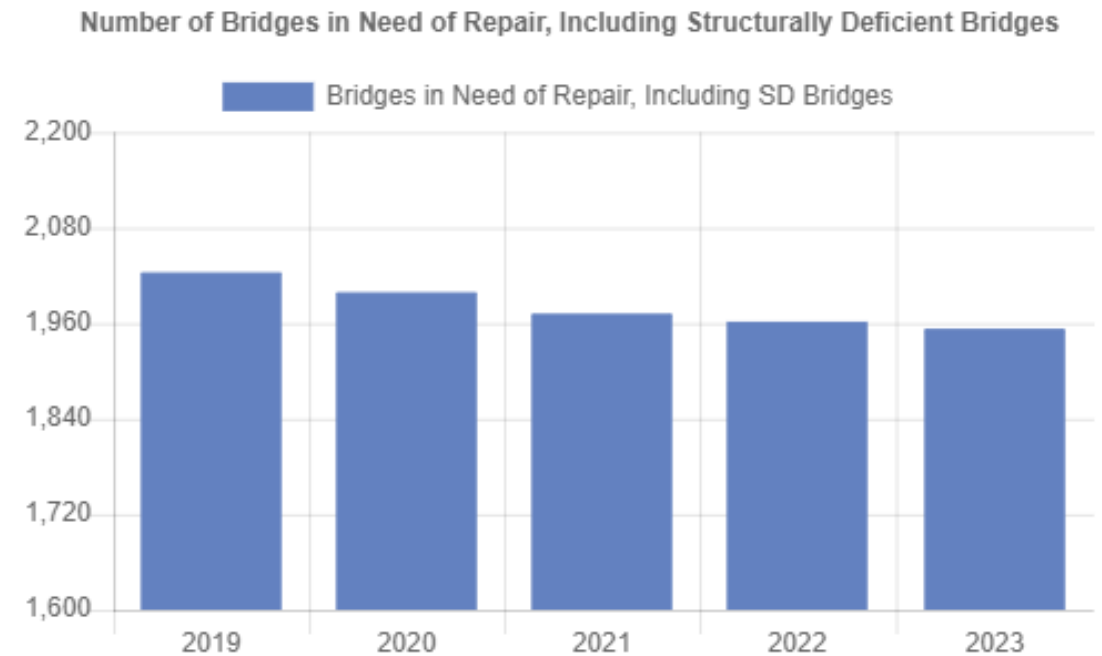
More than 30 million Americans live in areas where there is no broadband infrastructure that provides minimally acceptable speeds.



United States faced 22 extreme weather and climate-related disaster events in 2021 with losses exceeding \$1 billion each – a cumulative price tag of nearly \$100 billion.

# National Bridge Inventory: Oregon

- The state has identified needed repairs on 1,953 bridges.
- Oregon will receive a total of \$288.4 million in bridge formula funds (Bipartisan Infrastructure Law).
- Oregon currently has access to \$115.4 million of that total and has committed \$1.4 million towards 2 projects as of June 2023.
- Of the 8,292 bridges in the state, 401, or 4.8 percent, are classified as structurally deficient. This means one of the key elements is in poor or worse condition.



Federal Highway Administration (FHWA)  
National Bridge Inventory (NBI), July 3, 2023  
<https://artbabridgereport.org/state/profile/OR>

# Oregon Infrastructure and Community Facilities Inventory - 2021

- Approximately 162 of the 426 invited jurisdictions participated in the inventory.
- Jurisdictions included cities, Indian tribes, counties, special districts, and ports.

Project Type	Cost
Drinking Water	\$1,121,122,670
Wastewater	\$1,023,588,151
Stormwater	\$272,492,422
Community Centers	\$167,472,450
Fire Stations	\$54,411,450
Police Stations	\$89,411,450
Libraries	\$92,898,477
Drug & Alcohol Treatment Facilities	\$72,000,000
City Halls	\$315,310,000
<b>Total</b>	<b>\$3,241,347,070*</b>

### **Business Oregon**

[https://www.oregon.gov/biz/programs/homeareas/infrastructure/Pages/infrastructure\\_and\\_community\\_facilities\\_inventory.aspx](https://www.oregon.gov/biz/programs/homeareas/infrastructure/Pages/infrastructure_and_community_facilities_inventory.aspx)

\*Total includes project types not listed above.

## Bipartisan Infrastructure Law: Funds Awarded or Announced for Oregon

Category	Awarded or Announced
Water	\$270,360,435
Transportation Safety	\$120,062,723
Roads & Bridges	\$1,410,956,887
Resilience	\$155,706,403
Public Transit	\$187,555,192
Ports & Waterways	\$124,279,943
Other	\$41,160,203
Environmental Remediation	\$40,248,494
Electric Vehicles	\$1,379,106
Energy & Power	\$77,715,085
Broadband	\$799,803,128
Airports & Aviation	\$111,496,773
<b>TOTAL</b>	<b>\$3,363,931,902</b>

***Nationally, this and related funding will support 1.5 million jobs per year for the next 10 years.***



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# POWERING THROUGH DEVELOPMENT

An innovative approach to rural  
community vitality...

# EASTERN OREGON WORKFORCE



in



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## THE PERFECT STORM

We currently have the largest investment in infrastructure in history, with 30 years of sustained work ahead. At the same time, we have the least amount of workers to perform the work!

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## EXPLORING THE OPPORTUNITY

We are currently experiencing the largest infrastructure investment in history:

- Roads, sidewalks, bridges, broadband, rails, water access, utilities, and more are being upgraded;
- 1.5 million new jobs per year;
- 20-30 years of construction.

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Largest infrastructure investment in history



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# EXPLORING THE PROBLEM

Historic levels of investment are coming at a time when we have a historic shortage of skilled workers:

- Decades of disinvestment in technical education in schools has contributed to the crisis;
- Perception of trades careers has been damaged over time.

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#1 Employer Risk

No Workers



BAKER TECHNICAL INSTITUTE

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# THE NUMBERS DRIVING THE WORKFORCE SHORTAGE

There are currently over 3 million unfilled skilled trades positions in America..... while the need is expected to grow by double digits.



8%

Entering  
the Trades



40%

Over 45 yr





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# CHANGE IS ON A RECORD PACE

Industry is responding to the labor shortage to survive:

- Skills based hiring;
- Highest wages and benefits in history
- Automation increases;
- Skilled trades salaries surpass average bachelor's degree.



Wages

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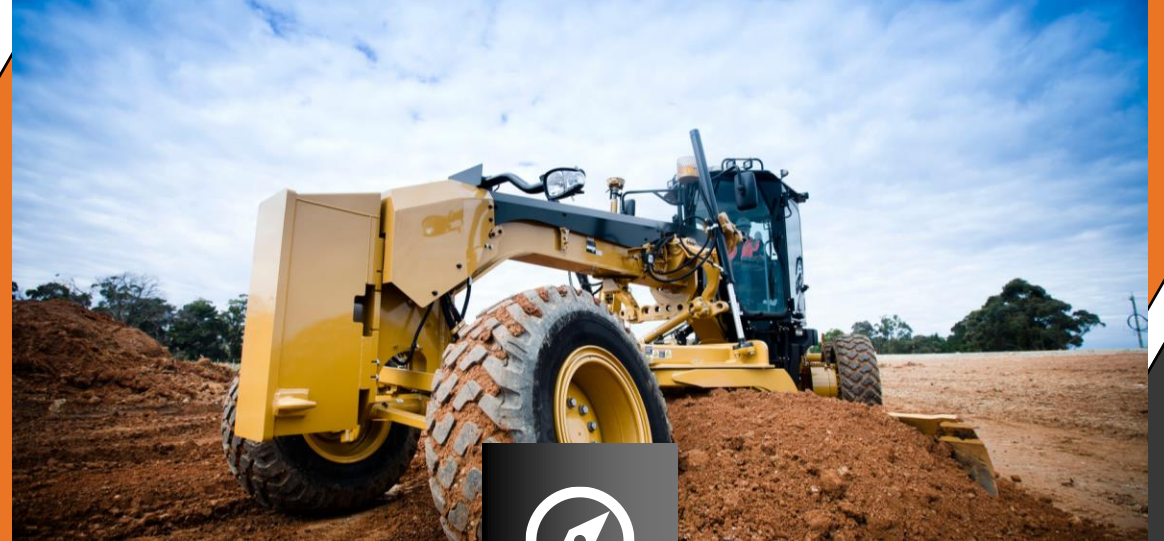


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# THRIVING RURAL COMMUNITIES

One of the common traits that all thriving rural communities have is access to skilled labor that can be trained locally. This creates a pipeline that will attract new industry and feed existing businesses.

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# LOCAL SOLUTIONS

There is hope.....

We have the resources in the region to make a difference and grow our own workforce:

- Post-secondary Institutions
- High Schools
- State Investments
- Workforce Board





## A ROADMAP TO SUCCESS

- Start young

Exposing young learners to careers they did not know existed will change dreams and learning.

- High school is essential

Strong technical programs that are supported equally by guidance counselors, teachers, and administrators are key.



## A ROADMAP TO SUCCESS

- Post-secondary options

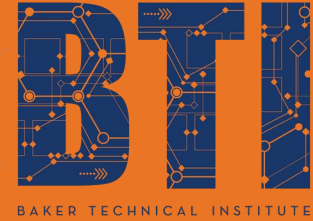
Robust technical training offered in short-term programs as well as a degree are required. Collaboration among EOU, BTI, BMCC and TVCC is when we are at our best. Programs must be industry driven and relevant.

- Industry at the table

For any workforce development to be successful industry leaders need to be involved.



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## OUR EXAMPLE OF SUCCESS

- Mobile training for skilled trades that can go to where the demand is needed;
- Industry certifications earned in a short, intense pace to speed the process;
- Reduce barriers to entry.
- Involve all ages;
- Equal focus on soft skills.



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QUESTIONS?



