

US infrastructure gets C- from engineers as roads stagnate

March 4 2021, by Hope Yen



In this Jan. 14, 2021, file photo, a pickup traverses the Franklin Street bridge in Michigan City, Ind. The historic structure, which was built in the 1930s, will be closed again for repairs in a few weeks and La Porte County officials have begun discussion of its replacement. America's infrastructure has scored near-failing grades for its deteriorating roads, public transit and storm water systems due to years of inaction from the federal government. (Matt Fritz/The News Dispatch via AP)

America's infrastructure has scored near-failing grades for its deteriorating roads, public transit and storm water systems due to years of inaction from the federal government, the American Society of Civil Engineers reports. Its overall grade: a mediocre C-.

In its "Infrastructure Report Card" released Wednesday, the group called for "big and bold" relief, estimating it would cost \$5.9 trillion over the next decade to bring roads, bridges and airports to a safe and sustainable level. That's about \$2.6 trillion more than what government and the private sector already spend.

"America's infrastructure is not functioning as it should, and families are losing thousands of dollars a year in disposable income as a result of cities having to fix potholes, people getting stuck in traffic or due to repairs when a water line breaks or the energy grid goes down," said Greg DiLoreto, one of the group's past presidents.

"It's critical we take action now," he said, expressing optimism that the [federal government](#) is now making it a "top priority."

During Donald Trump's four years in the White House, his administration often held "Infrastructure Week" events and touted transportation improvements. But it was not able to push Congress to pass any broad plan to update the nation's roads and bridges, rails and airports.

The overall C- grade on America's infrastructure—reflecting a "mediocre" condition with "significant deficiencies"—is a slight improvement from its D+ grade in 2017. The group cited in part state and local government and [private-sector](#) efforts, which have turned to new technology to pinpoint water main leaks and prioritize fixes.

But of the 17 categories making up the overall grade, 11 were in the D

range that indicated a "significant deterioration" with a "strong risk of failure." They included [public transit](#), storm water infrastructure, airports and roads and highways, which make up the biggest chunk of U.S. infrastructure spending at \$1.6 trillion, according to the group.

Four areas got Cs: bridges, which dropped from a C+ to a C in 2021, energy, drinking water and solid waste. Just two areas—ports and rail—scored higher, with a B- and B, respectively.

President Joe Biden's administration and lawmakers in recent weeks have begun laying the groundwork for a long-sought boost to the nation's roads, bridges and other infrastructure of \$2 trillion or more, to be unveiled after Congress approves legislation on COVID-19 relief. Transportation Secretary Pete Buttigieg, who has been meeting with lawmakers about the effort, says the aim would be to rejuvenate the post-coronavirus pandemic economy and boost crumbling roads and bridges while encouraging alternative forms of transportation to cars, as well as create thousands of green jobs by making environmentally friendly retrofits and public works improvements.

"This report card is a warning and a call to action," Buttigieg told The Associated Press. "A generation of disinvestment is catching up to us, and we must choose whether to allow our global competitors to pull ahead permanently, or to invest in the safety, equity, resilience and economic strength that superior infrastructure can bring to Americans."

Addressing the engineers group Wednesday, he said the Biden administration was laser-focused in the coming days on getting COVID relief passed but the opportunity to expand and remake transportation systems was "just around the corner," with support from both Democrats and Republicans.

"This isn't just a red vs. blue state issue; this isn't just a rural issue or an

urban issue. This is a national issue, and the benefits are enormous," he said.

As part of his department's efforts to spur more climate-friendly projects, Buttigieg announced on Tuesday the first low-cost federal transportation loan in the Biden administration, up to \$448 million to Texas for toll-road projects in Austin to ease congestion. He touted in particular bike-friendly features such as a planned 10-foot-wide paved sidewalk for cyclists and pedestrians with access to trails.

"As communities across the country continue to battle the pandemic, we are committed to being a partner to help them save money, reduce congestion and improve mobility, safety, and accessibility," said Buttigieg, a former mayor of South Bend, Indiana.

In its report card, the group said years of inaction has had consequences. It cited growing costs being passed along to consumers as cities and states grapple with funding shortages to fix roads and bridges and delay other major upgrades to infrastructure.

The nation's weak infrastructure has been a problem for communities, including Texas' recent struggles with power outages and water shortages after a brutal winter storm. Unusually frigid conditions led to frozen pipes that burst and flooded homes, and millions of residents lost heat and running water.

According to the report card, the nation is only paying about half of what it needs to lift overall U.S. infrastructure to an acceptable "B" level. Left unaddressed, America's overdue infrastructure bill by 2039 will cost the average American household \$3,300 a year, or \$63 a week, the group said.

It urged strong leadership, greater investment and "new approaches,"

such as taking into account the reality of climate change in longer-term capital improvement plans.

"Big and bold action from Washington, as well as continued prioritization by states and localities, is needed to bring all our [infrastructure](#) to a state of good repair," the report card said.

© 2021 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or redistributed without permission.

Citation: US infrastructure gets C- from engineers as roads stagnate (2021, March 4) retrieved 28 April 2024 from <https://techxplore.com/news/2021-03-infrastructure-c-roads-stagnate.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--