



**America's infrastructure received a dismal D+ in the 2017 Report Card. Here are a few reasons why:**

**24 of the top 30 airports** may soon experience "Thanksgiving-peak traffic volume" at least once a week.

**8.9%** of the nation's bridges are structurally deficient.

There are an estimated **240,000 water main breaks** per year in the U.S.

The time to act on infrastructure is now. **Deficient bridges, congested highways, outdated transit systems, an unreliable electric grid and leaky water pipes cost the average American family \$9 a day.**

ASCE urges the 116<sup>th</sup> Congress to make improving the Nation's infrastructure priority one in 2019. **#InfrastructureNow**

It's no surprise that **79% of Americans** say it's extremely important to increase spending on the nation's infrastructure.

## PRINCIPLES FOR INFRASTRUCTURE INVESTMENT

**ASCE believes that infrastructure programs and projects supported by infrastructure investment legislation must meet the following fundamental criteria:**



**Investments must provide substantial, long-term benefits to the public and the economy;**



**The cost of a project over its entire life span—including designing, building, operating, and maintaining the infrastructure—must be taken into account;**



**Projects should be built sustainably and resiliently; and**



**Federal investment should leverage state, local, and private investment, not replace these other critical sources of infrastructure funding.**

## ASCE PRIORITIES



A long-term solution to pay for our surface transportation network must be identified to provide stability and modernize our nation's roads, bridges, and transit systems for the 21st century.



Fix the Highway Trust Fund by raising the motor fuels user fee by 5 cents per gallon for the next five years. Increasing the user fee from the current 1993 rate of 18.4 cents would provide the revenue needed to modernize our surface transportation infrastructure and address the current funding deficit.



Fully fund critical transportation infrastructure programs including the Better Utilizing Investments to Leverage Development grants, Airport Improvement Program, and Transit Capital Investment Grants.



Eliminate the cap on the Passenger Facility Charge to modernize the nation's airports.



Put trust in the Harbor Maintenance Trust Fund by fully appropriating the Harbor Maintenance Tax collections each year.



Fully fund critical water resources infrastructure programs, including:

Clean Water State Revolving Fund

Drinking Water State Revolving Fund

Water Infrastructure Finance & Innovation Act

National Dam Safety Program & the High Hazard Potential Dam Rehabilitation Program

National Levee Safety Program



Reauthorize and fully fund the Land & Water Conservation Fund.



Address the \$12 billion National Park Service deferred maintenance backlog.

# 2017 Infrastructure Grades

 AVIATION	D	 PARKS AND RECREATION	↓ D+
 BRIDGES	C+	 PORTS	↑ C+
 DAMS	D	 RAIL	↑ B
 DRINKING WATER	D	 ROADS	D
 ENERGY	D+	 SCHOOLS	↑ D+
 HAZARDOUS WASTE	↑ D+	 SOLID WASTE	↓ C+
 INLAND WATERWAYS	↑ D	 TRANSIT	↓ D-
 LEVEES	↑ D	 WASTEWATER	↑ D+

America's  
Cumulative  
Infrastructure  
Grade



A	EXCEPTIONAL
B	GOOD
C	MEDIOCRE
D	POOR
F	FAILING

Infrastructure is the backbone of our economy  
and we have been investing only half  
of what is needed.

## Investment Gap

2016–2025 (10 years)

Infrastructure Systems	TOTAL NEEDS	ESTIMATED FUNDING	FUNDING GAP
SURFACE TRANSPORTATION	\$2,042	\$941	\$1,101
WATER/WASTEWATER INFRASTRUCTURE	\$150	\$45	\$105
ELECTRICITY	\$934	\$757	\$177
AIRPORTS	\$157	\$115	\$42
INLAND WATERWAYS & MARINE PORTS	\$37	\$22	\$15
DAMS	\$45	\$5.6	\$39.4
HAZARDOUS & SOLID WASTE	\$7	\$4	\$3
LEVEES	\$80	\$10	\$70
PUBLIC PARKS & RECREATION	\$114.4	\$12.1	\$102.3
RAIL	\$154.1	\$124.7	\$29.4
SCHOOLS	\$870	\$490	\$380
TOTALS	\$4,590	\$2,526	\$2,064

\$2.0  
trillion  
needed



FUNDING GAP | CURRENT FUNDING

Failing to close the infrastructure investment gap means  
higher costs for businesses to manufacture and distribute goods  
and provide services. In turn, these higher costs get passed  
along to workers and families.

COST TO U.S. GDP

③ **\$3.9**  
TRILLION BY 2025

LOST BUSINESS SALES

③ **\$7**  
TRILLION BY 2025

LOST JOBS

③ **2.5**  
MILLION JOBS IN 2025

COST TO FAMILIES

③ **\$3,400**  
PER YEAR



**Brian Pallasch**, Managing Director, Government Relations, [bpallasch@asce.org](mailto:bpallasch@asce.org)  
**Joe Brady**, Transportation & Aviation, [jbrady@asce.org](mailto:jbrady@asce.org)  
**Natalie Mamerow**, Energy, Environment, Water, & Parks, [nmamerow@asce.org](mailto:nmamerow@asce.org)  
**Martin Hight**, Resilience, Research & Development, STEM, [mhight@asce.org](mailto:mhight@asce.org)  
202-789-7850 | [www.asce.org](http://www.asce.org)

#INFRASTRUCTURENOW