



**Reducing Infrastructure Costs  
with Efficiency and Private Capital**  
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# INFRASTRUCTURE REPORT CARD

## 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

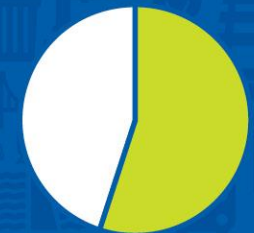
**F** FAILING

## 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
<b>TOTALS</b>	<b>\$4,590</b>	<b>\$2,526</b>	<b>\$2,064</b>

**\$2.0**  
trillion  
needed



FUNDING  
GAP

CURRENT  
FUNDING



# Infrastructure Solutions

A green-tinted image showing a city skyline at night with light trails from traffic on a highway in the foreground.

**Investment**

A blue-tinted image showing a complex network of lines and nodes, resembling a data network or a city's infrastructure map.

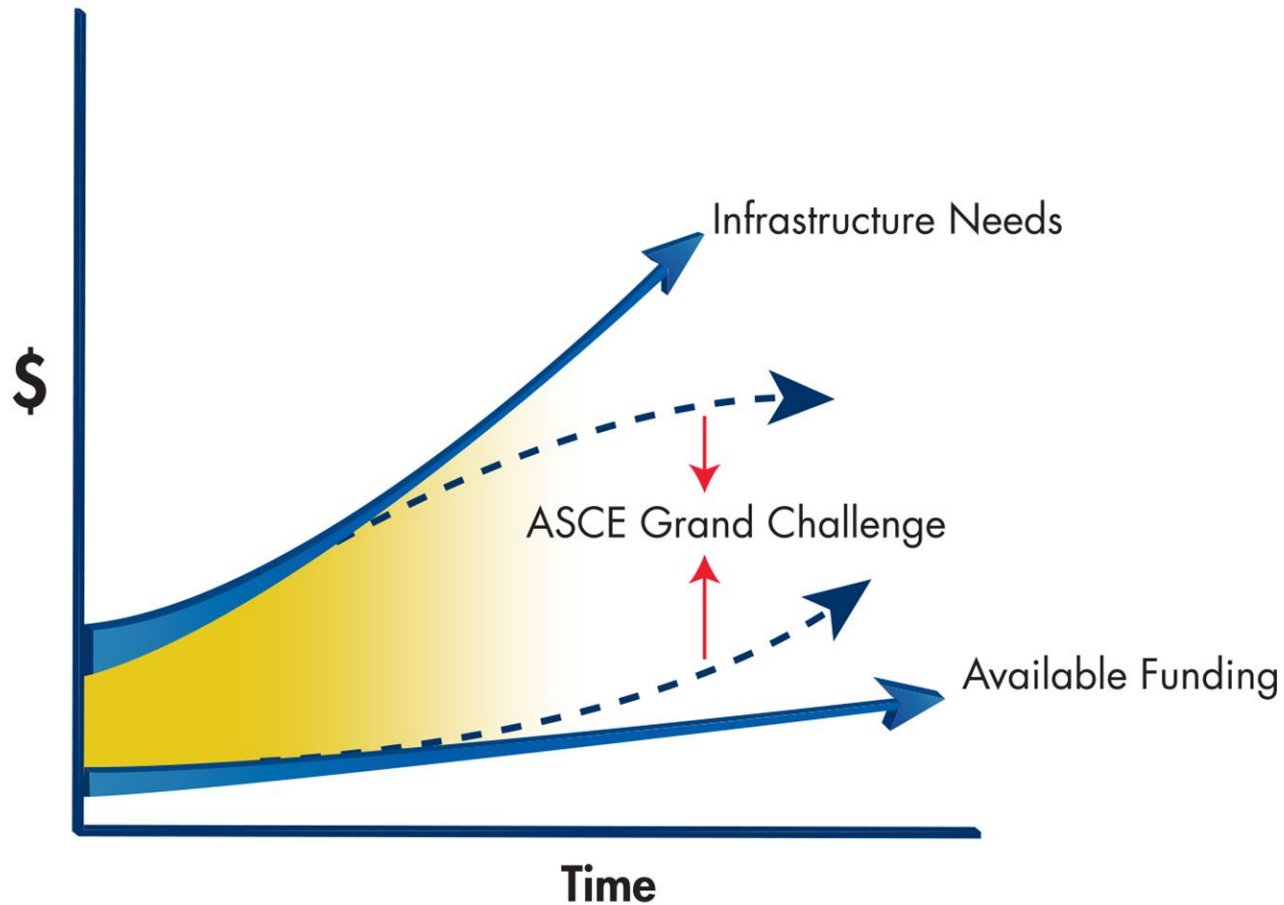
**Leadership &  
Planning**

A red-tinted image of the Golden Gate Bridge, showing its towers and suspension cables over a body of water.

**Preparation  
for the future**

**Reduce the life cycle cost of infrastructure by 50 percent by 2025 and foster the optimization of infrastructure investments for society.**

## Closing Infrastructure Gap



**ASCE**<sup>®</sup>

# Innovation Contest



**ASCE Innovation Contest**





**Thank You!**