



# WASHINGTON'S INFRASTRUCTURE REPORT CARD

PREPARED BY  
American Society of Civil Engineers  
Seattle Section

# 2013 REPORT CARD FOR AMERICA'S INFRASTRUCTURE

Aviation	<b>D</b>
Bridges	<b>C+</b>
Dams	<b>D</b>
Drinking Water	<b>D</b>
Energy	<b>D+</b>
Hazardous Waste	
Inland Waterways	
Levees	<b>D-</b>
Ports	<b>C</b>
Public Parks and Recreation	<b>C-</b>
Rail	<b>C+</b>
Roads	<b>D</b>
Schools	<b>D</b>
Solid Waste	<b>B-</b>
Transit	<b>D</b>
Wastewater	<b>D</b>
America's Cumulative G.P.A.	<b>D+</b>

[WWW.INFRASTRUCTUREREPORTCARD.ORG](http://WWW.INFRASTRUCTUREREPORTCARD.ORG)

- A** = Exceptional
- B** = Good
- C** = Mediocre
- D** = Poor
- F** = Failing

*Each category was evaluated on the basis of capacity, condition, funding, future need, operation and maintenance, public safety, resilience, and innovation*

**D+**

AMERICA'S CUMULATIVE  
INFRASTRUCTURE G.P.A.



## About the Report Card

The purpose of the 2013 Report Card for America's Infrastructure is to inform the public of the current condition of America's infrastructure and to deliver the information in a concise and easily accessible manner. Using an easily understood school report card format, each of the 16 categories of infrastructure covered in the Report Card is assessed using rigorous grading criteria and the most recent aggregate data sources to provide a comprehensive assessment of America's infrastructure assets.

### NAVIGATION MENU

CATEGORIES

STATES

NEWS

CHARTS &amp; FIGURES

PHOTOS &amp; VIDEO

HELP

ALABAMA	ALASKA	ARIZONA	ARKANSAS	CALIFORNIA
COLORADO	CONNECTICUT	DELAWARE	D.C.	FLORIDA
GEORGIA	HAWAII	IDAHO	ILLINOIS	INDIANA
IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE
MARYLAND	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI
MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE
NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA
OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	RHODE ISLAND
SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH
VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN
WYOMING				

# ASCE National's Snapshot



## Water and Environment

### DAMS

- Washington's dam safety program has 8.5 Full-Time Employees that each oversee an average of 121.2 state regulated dams.
- 90% of the state regulated dams in Washington have an Emergency Action Plan.
- Washington's state dam safety program has an annual budget of \$1,330,303.

### HAZARDOUS WASTE

- Washington has 49 sites on the National Priorities List.

### LEVEES

- Washington has approximately 713 miles of levees according to the current FEMA Midterm Levee Inventory.

## Transportation

### AVIATION

- There are 64 National Plan of Integrated Airport Systems (NPIAS) Airports in Washington.

### BRIDGES

- 366 of the 7,840 bridges in Washington (4.7%) are considered structurally deficient.
- 1,693 of the 7,840 bridges in Washington (21.6%) are considered functionally obsolete.
- Washington received \$146 million from the Federal Highway Bridge Fund in FY2011.

### INLAND WATERWAYS

- Washington has 1,060 miles of inland waterways, ranking it 9th in the nation.

### PORTS

- Washington's ports handled 115.8 million short tons of cargo in 2011, ranking it 5th in the nation.

### RAIL

- Washington has 23 freight railroads covering 3,215 miles across the state, ranking it 20th by mileage.

### ROADS

- Washington has 83,505 public road miles.
- Washington's highway vehicle-miles traveled in 2009 was approximately 8,482 per capita, ranking it 41st in the nation.

### TRANSIT

- Washington has 230.4 million annual unlinked passenger trips via transit systems – motor bus, heavy rail, light rail, and commuter rail.

## Public Facilities

### PARKS AND RECREATION

- Washington has reported an unmet need of \$218.3 million for its parks system.

### SCHOOLS

- Public school districts in Washington spent a total of \$5.2 billion on capital outlays for school construction and acquisition of land and existing structures in fiscal years 2005–2008.
- It is estimated that Washington schools have \$6.3 billion in infrastructure funding needs.

### ENERGY

- Washington produces 74.905 gigawatt-hours of renewable energy every year, ranking it 1st.



# Washington's Methodology

- Evaluated 9 categories for 90% of population:
  - Aviation
  - Bridges
  - Dams
  - Drinking Water
  - Rail
  - Roads
  - Schools
  - Solid and Hazardous Waste
  - Transit



# Washington's Methodology

## ➤ Covered 5 Infrastructure Issues:

- Capacity
- Condition
- Funding
- Operations & Maintenance
- Public Safety



# Washington's Bridges



**Washington's Bridges**

**C-**

**Bridges --Nationally**

**C+**

# Washington's Drinking Water



**Washington's Drinking Water C-**

**Drinking Water --Nationally**

**D**

# Washington's Roads



**Washington's Roads**

**D+**

Roads --Nationally

**D**

# Washington's PWB Funding Scenario

Governing Body	PWB 2014 Construction Loan List (000's)	Revenues Redirected to General Fund (000's)	Tax Redirected per SB 5895 (000's)
Governor Inslee	\$349,856	\$125,000	\$0
Senate	\$268,856	\$15,000	\$77,300
House	\$349,856	\$100,000	\$0



<http://seattleasce.org/reportcard/2013ReportCardWA.pdf>