



2005

Report Card for America's Infrastructure



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Transportation Forum

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What is the *Report Card*?

An assessment of 15 infrastructure areas that are essential to the nation's economic survival and quality of life

Overall Grade for Infrastructure

D

Why such a low grade?

- **Explosive population growth and school enrollment**
- **Local opposition and red tape**
- **The aging of the infrastructure**

15 Categories of Infrastructure

- Aviation
- Bridges
- Dams
- Drinking Water
- Energy
- Hazardous Waste
- Navigable Waterways
- Public Parks and Recreation
- Rail
- Roads
- Schools
- Security
- Solid Waste
- Transit
- Wastewater



- Demand for air travel has a projected annual growth of 4.3% through 2015
- Airports will face challenge of accommodating increasing numbers of regional jets and new super-jumbo jets



Bridges

C



- **25% of the nations bridges are structurally deficient**
- **Estimated annual investment of \$9.4 billion for the next 20 years to eliminate all bridge deficiencies**



Navigable Waterways **D-**



- **Of the 257 locks operated by the Army Corps of Engineers more than 50% are functionally obsolete**
- **By 2020 that figure jumps to 80%**
- **Cost to replace current system tops \$125 billion**

Rail

C-



- **Limited rail capacity has created significant chokepoints and delays, while freight tonnage is expected to increase 50% by 2020**
- **Cost to maintain existing infrastructure and expand for new growth is \$175-\$195 billion over 20 years**

Roads

D



- **Poor road conditions cost U.S. motorists \$54 billion a year in repairs and operating costs - \$275 per motorist**
- **Americans spend 4.2 *billion* hours a year stuck in traffic, at a cost of \$78 billion**



Transit

D+



- **Transit services are borrowing funds to maintain operations, even as they are raising fares and cutting back service**
- **The Federal Transit Authority estimates an investment of \$14.8 billion annually to maintain current conditions, and an investment of \$20.6 billion to improve to “good” conditions**

Investment Needed

\$1.6 Trillion

Ohio Infrastructure

Top Three State Concerns

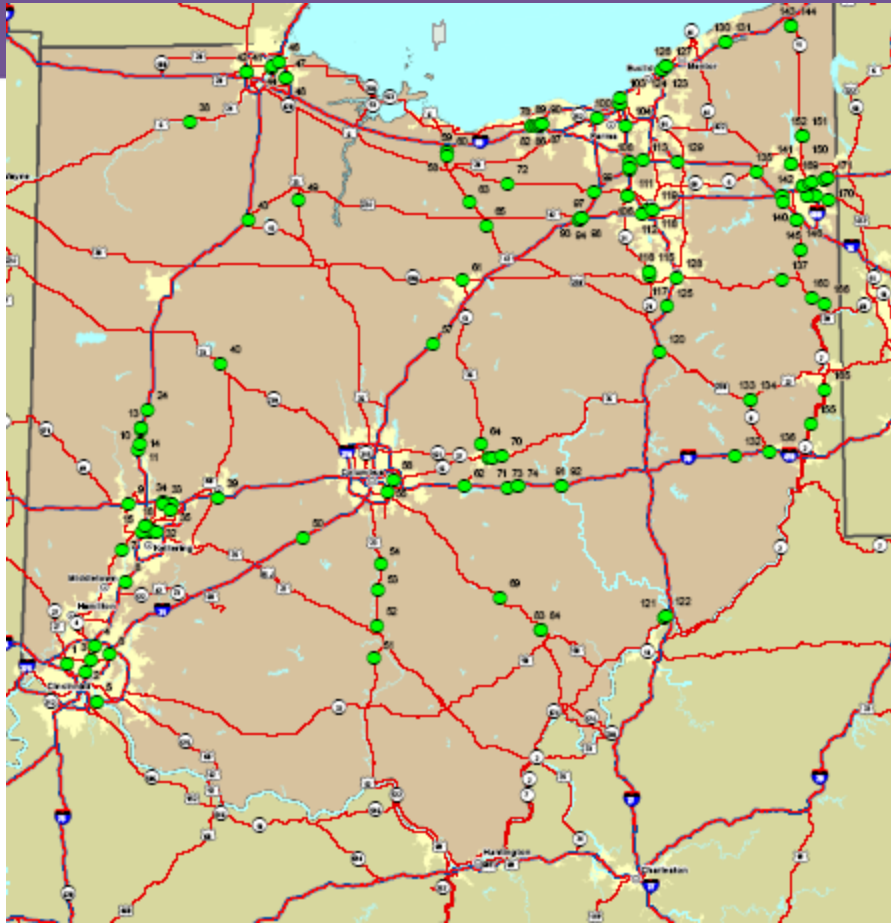
- 1) Roads
- 2) Schools
- 3) Bridges



Ohio Infrastructure



- 24% of Ohio's bridges are structurally deficient or functionally obsolete
- 24% of Ohio's roads are in poor or mediocre condition
- 37% of Ohio's urban freeways are congested



Structurally Deficient or Functionally Obsolete Bridges in Ohio

(Bureau of Transportation
Statistics)

Ohio Infrastructure

- Driving on roads in need of repair costs Ohio motorists \$197 per person
 - Dayton - \$167
 - Akron-Canton - \$235
 - Toledo - \$259
 - Cincinnati - \$285
 - Cleveland - \$335
 - Columbus - \$155



Ohio Infrastructure

- Congestion in Ohio's Key Urban Areas
 - Cincinnati – 27 hours a year
 - Cleveland – 13 hours a year
 - Columbus – 33 hours a year



Ohio Infrastructure

- **2008 Pew Grading the States report gave Ohio a B- for infrastructure, and applauds new initiatives to improve project coordination and heighten contract transparency, but warns that better focus on maintenance is needed.**
- **The Brookings Institution identified 8 cities in Ohio as “weak” based on unemployment, medium income, and population change.**

Infrastructure Action Plan

- Identifies 18 legislative actions the 110th Congress should take to raise the grades for America's Infrastructure

Report Card
for America's
Infrastructure

110TH CONGRESS INFRASTRUCTURE SCORECARD

LEGISLATIVE ACTION STEP
TO HELP RAISE THE GRADES

	H	S	E
National Infrastructure			
National Infrastructure Improvement Act	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
National Infrastructure Bank Act	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aviation			
FAA Reauthorization	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bridges, Roads and Transit			
SAFETEA-LU Guarantees for FY2008	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SAFETEA-LU Guarantees for FY2009	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Highway Trust Fund Fix	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Highway Bridge Reconstruction and Inspection Act	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Brownfields			
Brownfields Revitalization Act	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dams and Levees			
Dam Rehabilitation & Repair Act	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dam Safety Act—Full Funding for FY2008	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dam Safety Act—Full Funding for FY2009	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small Watershed Dam Rehabilitation Funding FY2008	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Small Watershed Dam FY2009 funding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Levee Safety Program Act	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drinking Water and Wastewater			
Water Quality Financing Act	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safe Drinking Water Act Reauthorization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inland Waterways			
Water Resources Development Act (WRDA 2007)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
WRDA 2008	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

H=House S=Senate E=Enacted

ISCE
Society of Civil Engineers

18 Action Steps

- **National Infrastructure Commission**
- **Aviation-FAA Reauthorization**
- **Bridges, Roads and Transit-SAFETEA-LU Guarantees through FY 2009**
- **Highway Trust Fund Fix**

18 Action Steps

- **Inland Waterways**
 - Water Resources Development Act

Ways to Take Action

- **Spread the word.**

Send a letter to your elected officials, the media, and your friends supporting infrastructure investment.

www.asce.org/reportcard

ASCE members: Use 6 Clicks Advocacy system.

www.asce.org/advocacy.html

Let them know that infrastructure investment is a priority to you!

Ways to Take Action (cont.)

- **Invite legislators to talk about local infrastructure concerns at section events and neighborhood meetings**
- **Urge organizations you are involved with to take action on infrastructure concerns**
- **Volunteer with organizations working on infrastructure concerns**

2009

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For More Information

www.asce.org/reportcard

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