

Louisiana Infrastructure Report Card 2017 for Ports and Inland Waterways Presented by

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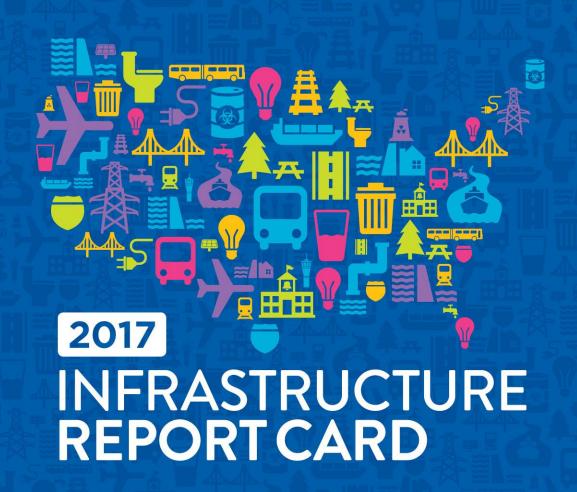


American Society of Civil Engineers:

ENTRUSTED TO MAINTAIN AND MODERNIZE AMERICA'S DETERIORATING INFRASTRUCTURE TO SERVE THE PUBLIC GOOD



ASCE



What the Grades Mean



MEDIOCRE

Requires attention



EXCEPTIONAL

Fit for the future



POOR

At risk



GOOD

Adequate for now



FAILING/CRITICAL Unfit for purpose

New for 2017 Report Card Methodology **OPERATION AND CAPACITY MAINTENANCE** CONDITION **PUBLIC SAFETY FUNDING RESILIENCE INNOVATION FUTURE NEED**



11 Categories















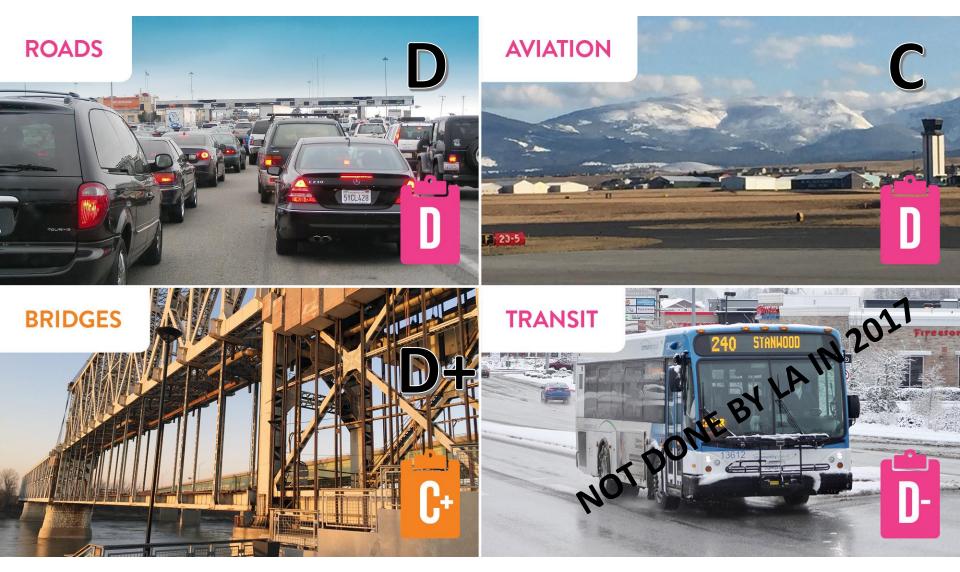


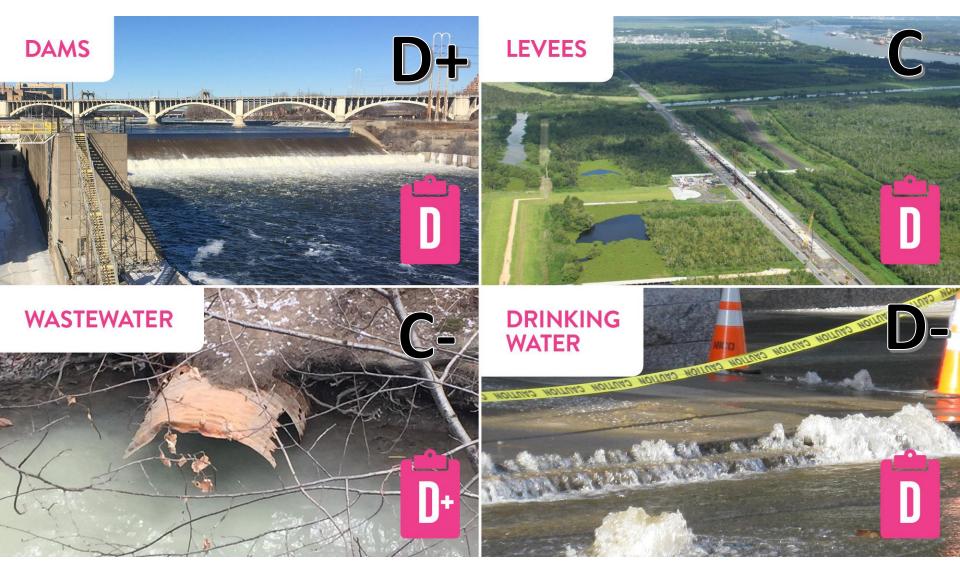


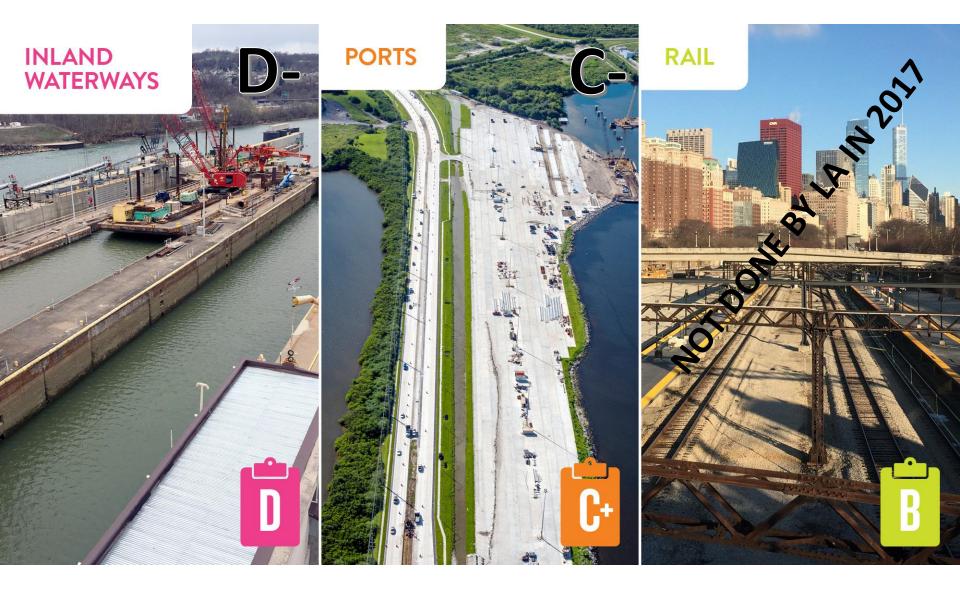








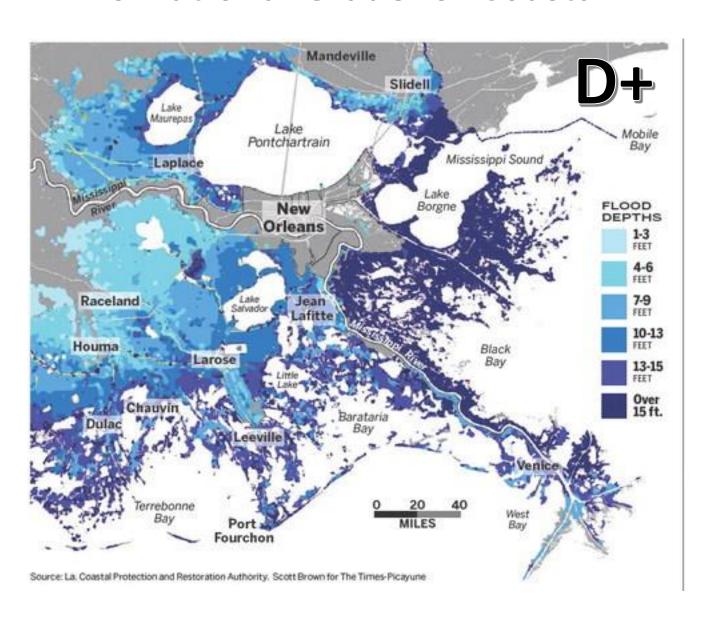






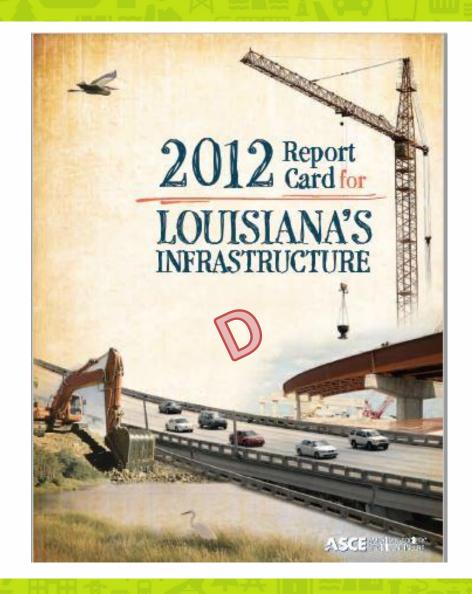
COASTAL

No National Grade for Coastal













Louisiana Section of the American Society of Civil Engineers
INFRASTRUCTUREREPORTCARD.ORG/LOUISIANA

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2016-2040 (25 years)

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2016-2025 (10 years)

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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



The President's proposal is \$1 T over a 10 year period, of which \$200 B is direct federal funds, and remaining \$800 B is from private financing of the infrastructure initiative.-ENR May 15, 2017 (page 12)

President's proposal for infrastructure: \$1 Trillion over a 10 year period \$4.6 Trillion Needed

\$200 B

Federal

\$20 Billion Annually 2018-2028

\$800 B

Non-Federal

\$80 Billion Annually 2018-2028



FAILURE TO ACT

CLOSING THE INFRASTRUCTURE



FOR AMERICA'S ECONOMIC FUTURE

COST TO THE ECONOMY

COST TO BUSINESS

COST TO WORKERS

COST TO FAMILIES











2017



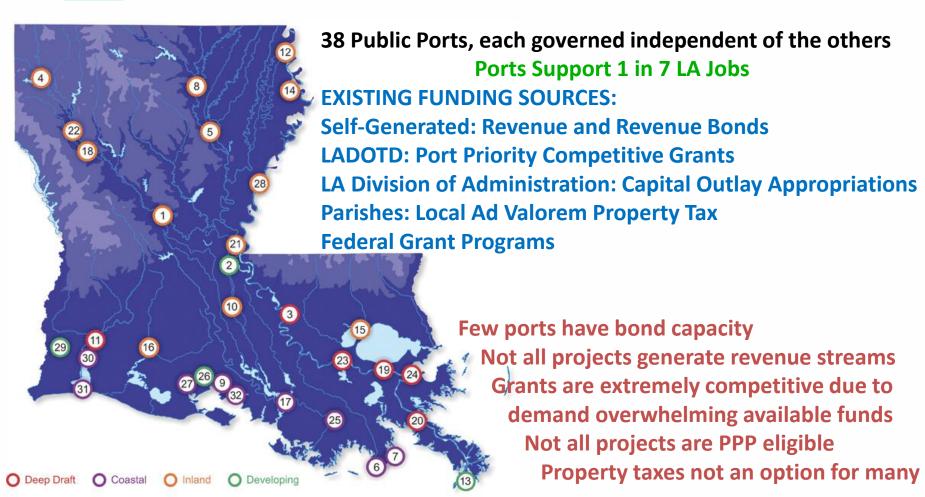
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PORTS

- 38 public port authorities: deep-draft, coastal, inland, and developing.
- Six deep draft ports national and international freight movements
- Nine coastal ports oil and gas service industries, shipbuilding and fabrication.
- The inland ports service local markets.
- 2012 study: 73,000 jobs, \$3.961 billion in personal earnings, \$517 million annually in state and local taxes









Report Card Methodology

PORTS 2012 VS 2017





INLAND WATERWAYS





- 5,000 miles of navigable rivers and canals; largest is Mississippi River.
- ❖ 20 locks, dams, and control structures for navigation and flood control in LA.
- Gulf Intracoastal Water Way (GIWW), the largest ship channels link LA's ports to the inland waterways.
- ❖ Inner Harbor Navigation Canal (IHNC) lock in New Orleans; built in 1926, authorized for replacement in 1956. Project cost: \$1B.





2/3 of all Louisiana parishes are adjacent to a navigable waterways

Major Deep Draft Waterways:

Mississippi River

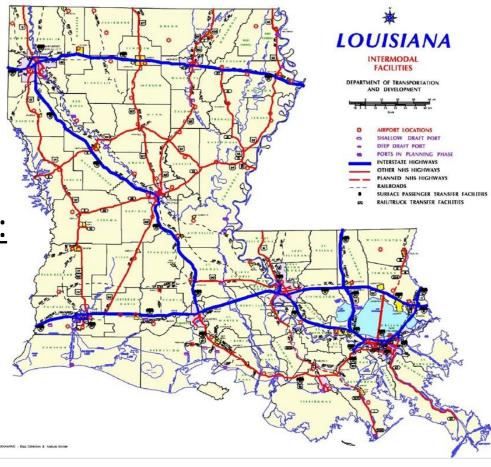
Calcasieu Ship Channel

Inland Waterways:

Various rivers and canals

Coastal Waterways:

Gulf Intracoastal Waterway and Connections







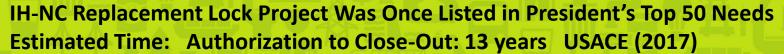
2016 planned outage 134 days

2014 unplanned outage 11 days

"A lock outage would clog the entire GIWW System" USACE

USACE owns, operates, maintains, and obligated to replace
Budget \$1 BILLION











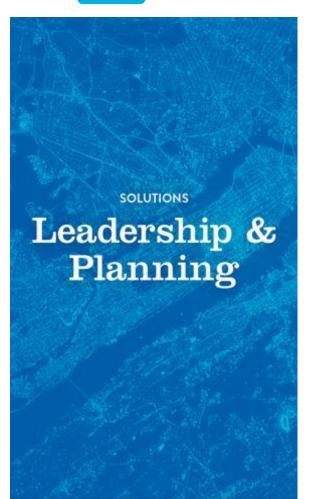
- Increase investment at all levels of government
 - At the Federal level: from 2.5% to3.5% of GDP by 2025
 - Increase LA investments
 - Local funding programs
- Put the "trust" back into trust fund
 - Fix National Highway Trust Fund
 - Fix State Highway Trust Fund



5 FACTS ABOUT U.S. INFRASTRUCTURE



- ✓ Investment Gap Next 25 years: \$5 T
- ✓ Roads & Bridges: 80% of needs
- ✓ State & Local funding:77% of funds
- ✓ Funding is not the same as Financing
- ✓ Federal fuel tax last adjusted: 1993



- Wise investment
- Life-cycle analyses
- Incentive for maintenance
- Project prioritization
- Streamline permitting process
- Agency accountability
- Public-private partnerships



