AMERICA’S CUMULATIVE INFRASTRUCTURE G.P.A.:

D+

ESTIMATED INVESTMENT NEEDED BY 2020:

$3.6 TRILLION

2013 REPORT CARD for america's INFRASTRUCTURE
What is ASCE’s methodology?

- Capacity
- Condition
- Funding
- Future Need
- Operation and Maintenance
- Public Safety
- Resilience
- Innovation
What do ASCE’s grades mean?

A EXCEPTIONAL: FIT FOR THE FUTURE
B GOOD: ADEQUATE FOR NOW
C MEDIocre: REQUIRES ATTENTION
D POOR: AT RISK
F FAILING/Critical: UNFIT FOR PURPOSE
<table>
<thead>
<tr>
<th>Category</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aviation</td>
<td>D</td>
</tr>
<tr>
<td>Bridges</td>
<td>C+</td>
</tr>
<tr>
<td>Dams</td>
<td>D</td>
</tr>
<tr>
<td>Drinking Water</td>
<td>D</td>
</tr>
<tr>
<td>Energy</td>
<td>D+</td>
</tr>
<tr>
<td>Hazardous Waste</td>
<td>D</td>
</tr>
<tr>
<td>Inland Waterways</td>
<td>D-</td>
</tr>
<tr>
<td>Levees</td>
<td>D-</td>
</tr>
<tr>
<td>Ports</td>
<td>C</td>
</tr>
<tr>
<td>Public Parks and Recreation</td>
<td>C-</td>
</tr>
<tr>
<td>Rail</td>
<td>C+</td>
</tr>
<tr>
<td>Roads</td>
<td>D</td>
</tr>
<tr>
<td>Schools</td>
<td>D</td>
</tr>
<tr>
<td>Solid Waste</td>
<td>B-</td>
</tr>
<tr>
<td>Transit</td>
<td>D</td>
</tr>
<tr>
<td>Wastewater</td>
<td>D</td>
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</tbody>
</table>

*America's Cumulative G.P.A.* D+
Roads

2013 GRADE D

2013 REPORT CARD FOR AMERICA’S INFRASTRUCTURE
Since 2013...
Focus on maintenance has led to an improvement in highway condition
Congestion problems growing due to reduction in capital spending
Bridges

2013 Grade C+
Since 2013...
Number of structurally deficient bridges continues to decrease
Overall condition has not improved
FAST Act
WE CAN RAISE THE GRADES WITH THESE KEY SOLUTIONS

1. INCREASE LEADERSHIP IN INFRASTRUCTURE RENEWAL

2. PROMOTE SUSTAINABILITY AND RESILIENCE

3. DEVELOP AND FUND PLANS TO MAINTAIN AND ENHANCE AMERICA’S INFRASTRUCTURE
Raising the Roads Grade

• Develop performance-based investment strategies
• Optimize usage of existing highway capacity
• Encourage the use of asset management programs
• Use freight movement efficiency
• Increase investment from all levels of government and the private sector, to repair and improve the nation’s highway systems
• Ensure the sustained sufficiency and reliability of the Highway Trust Fund
• Continue the Highway Safety Improvement Program successes
Raising the Bridges Grade

• Make the repair of structurally deficient urban bridges a top national priority
• Increase annual investment levels for bridge repair, reconstruction, and renovation
• Develop a national strategic plan for addressing the nation’s structurally deficient and functionally obsolete bridges
• Set a national goal to decrease the number of just structurally deficient bridges and decrease the percentage of the population driving over all deficient bridges
FAILURE TO ACT
CLOSING THE INFRASTRUCTURE INVESTMENT GAP FOR AMERICA’S ECONOMIC FUTURE

COST TO U.S. GDP
$3.9 TRILLION BY 2025

COST TO FAMILIES
$3,400 PER YEAR

LOST JOBS
2.5 MILLION JOBS IN 2025
### Investment Funding Gap—2016 through 2025

<table>
<thead>
<tr>
<th></th>
<th>Surface Transportation</th>
<th>Water/Wastewater</th>
<th>Electricity</th>
<th>Airports</th>
<th>Inland Waterways &amp; Marine Ports</th>
<th>Aggregate Economic Impact of All Sectors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Needs</strong></td>
<td>$2,042</td>
<td>$150</td>
<td>$934</td>
<td>$157</td>
<td>$37</td>
<td>$3,320</td>
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<tr>
<td><strong>Funded</strong></td>
<td>$941</td>
<td>$45</td>
<td>$757</td>
<td>$115</td>
<td>$22</td>
<td>$1,880</td>
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<tr>
<td><strong>Funding Gap</strong></td>
<td><strong>$1,101</strong></td>
<td><strong>$105</strong></td>
<td><strong>$177</strong></td>
<td><strong>$42</strong></td>
<td><strong>$15</strong></td>
<td><strong>$1,440</strong></td>
</tr>
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### Investment Funding Gap—2016 through 2040

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</tr>
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<tbody>
<tr>
<td><strong>Total Needs</strong></td>
<td>$7,646</td>
<td>$204</td>
<td>$2,458</td>
<td>$376</td>
<td>$112</td>
<td>$10,796</td>
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<tr>
<td><strong>Funded</strong></td>
<td>$3,312</td>
<td>$52</td>
<td>$1,893</td>
<td>$288</td>
<td>$69</td>
<td>$5,614</td>
</tr>
<tr>
<td><strong>Funding Gap</strong></td>
<td>$4,334</td>
<td>$152</td>
<td>$565</td>
<td>$88</td>
<td>$43</td>
<td>$5,182</td>
</tr>
</tbody>
</table>
Coming Soon
Questions?

THANK YOU

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and Infrastructure Initiatives
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