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Message From the Chairman

Dear Friends,

Reflecting on the past year, I am truly inspired by the remarkable achievements of the Aii team. Their unwavering dedication and commitment to excellence have propelled us to unprecedented heights. Equally, I am deeply grateful for the invaluable support extended to us by individuals and organizations who share our vision of advancing infrastructure safety and resilience and who play a pivotal role in helping Aii foster innovative solutions to current and future infrastructure challenges. Their financial contributions, expertise, insight, networking, and overall collaboration have been instrumental to our success.

As we embark on the journey towards our eagerly anticipated ten-year anniversary in 2024, I am thrilled by the momentum we have built in 2023. Aii has reached new milestones, laying a solid foundation for the transformative initiatives that lie ahead. Among our notable accomplishments you will see in this report are influential original awareness campaigns, new research partnerships, and other organizations leveraging the high-quality Aii work in media citations and regulatory comments to federal agencies considering new rules.

I hope you will join us as we continue to advance infrastructure innovation and safety.



Brigham McCown
Founder, Chairman of the Board
Alliance for Innovation and Infrastructure
Public Institute for Facility Safety
National Infrastructure Safety Foundation

Organization Profile





Who We Are

The Alliance for Innovation and Infrastructure (Aii) is an independent, national research and educational organization dedicated to identifying our nation's infrastructure needs, creating awareness of those needs, and finding solutions to critical public policy challenges. Aii strives to promote proven, innovative technology and higher safety standards in a non-partisan manner to achieve excellence nationwide.

Aii is a think tank consisting of two non-profits: the National Infrastructure Safety Foundation (NISF), a 501(c)(4) social welfare organization, and the Public Institute for Facility Safety (PIFS), a 501(c)(3) educational organization. Both non-profits are legally governed by volunteer boards of directors. These work in conjunction with the Alliance's own volunteer Advisory Council. To learn more, visit Aii.org.

The Aii Mission

Our mission is to help foster innovative solutions to current and future infrastructure challenges.

Top Features

Forbes

Bloomberg

THE WALL STREET JOURNAL.

POLITICO THE HILL













Snapshots



HIGHLIGHTED ACTIVITY LOCATIONS IN 2023

Boston, MA Bozeman, MT Calgary, Canada Charleston, SC Columbia, SC

Dallas, TX Hartford, CT Houston, TX Jerusalem, Israel London, England

New York, NY Seattle, WA Tel Aviv, Israel Washington, D.C. and more...

Aii in Action

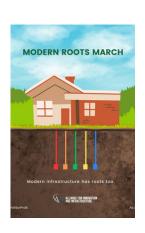
MODERN ROOTS MARCH

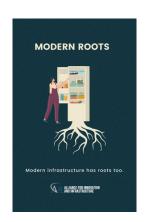
When you see a tree, you know it has roots sprawling underfoot. When you pull weeds, you aim to remove all of those roots spread across the whole garden just beneath the ground. What you may not think of quite as intuitively is that modern infrastructure has roots too. This year, we put on our third annual Modern Roots March Campaign to continue our exploration into what our infrastructure looks like beneath our feet and how to safely interact with it.



TOOL KIT

During the #ModernRootsMarch campaign, our toolkit proved indispensable for utility owners/operators, excavators, locators, and others. It ensured that everyone in America understood the foundational roots of our modern infrastructure.







VIDEO CONTENT

Throughout the campaign our specially crafted videos, served as a crucial resource. Each encouraged people to rethink buried infrastructure from various angles, fostering a deeper understanding and promoting safer practices.













Aii in Action

ENERGY MONTH

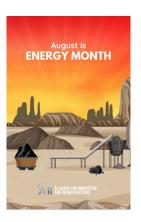
During the month of August, Aii educated on the importance of energy resources to the nation and the world with Energy Month campaign. Throughout the month, we highlighted seven primary natural and energy resources used to generate electricity in the United States. New content and briefs were also uploaded to this page throughout Energy Month.

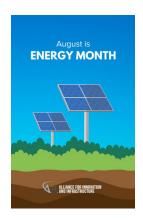


TOOL KIT

During #AiiEnergyMonth, our toolkit provided a vital resource for promoting awareness through engaging graphics. These visuals were shared on social media to amplify the message and spark conversations about energy efficiency and sustainability.







VIDEO CONTENT

Throughout Energy Month, we engaged industry experts in enlightening interviews. Our **50** new videos covered every aspect of energy generation from hydropower and wind to geothermal and more!













Student OpEd Contest

Aii hosted its first-ever Student OpEd Scholarship Contest, representing a significant opportunity for students to address critical national issues like climate change, energy sustainability, and infrastructure development.

The Contest

The contest was open to all enrolled college students nationwide to engage America's greatest rising minds to think about and

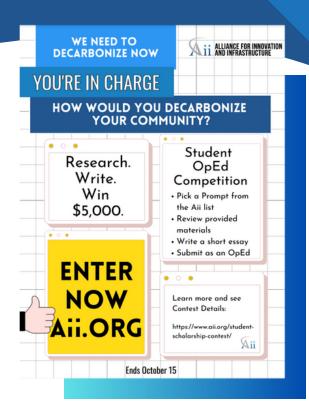
articulate solutions to some of the nation's most pressing challenges. Aii presented students with three essay prompts and invited students to choose one. To enter the contest, students would write a well-reasoned and well-supported opinion column (like an OpEd) and submit it to a local, state, or national publication of their choosing.

The Stakes

The grand prize, totaling **\$5,000**, underscored the significance of the competition, offering support to the winning student in their academic pursuits. Moreover, having the grand prize-winning article published on Aii's website provided invaluable exposure and recognition for the recipient's work, amplifying their voice in the discourse on infrastructure and sustainability. This contest not only empowered emerging leaders but also highlighted the importance of interdisciplinary dialogue and collaboration in shaping a more sustainable future.

The Why

By engaging students in discussions about infrastructure challenges and solutions, Aii aims to cultivate a new generation of leaders equipped to tackle these complex issues. Additionally, expanding the reach of such initiatives demonstrates Aii's commitment to being a leading authority in the field of infrastructure.



Student OpEd Contest

The Winners

Aii awarded Ava Kalina from Miami University the grand prize and recognized finalists Mustafa Haque from Southern Methodist University and Vanessa Jimenez from Florida Atlantic University. In total, the competition distributed **\$6,500** in scholarship funds, attracting diverse submissions from various educational backgrounds nationwide.



Ava Kalina

First place

Check out Ava Kalina's award-winning article on combating methane emissions! Discover how local initiatives and national infrastructure for renewable natural gas can revolutionize waste management and shape a greener future. Read now



Mustafa Haque

Finalist

Check out Mustafa Haque's eye-opening article on the hidden impact of parking policy! Discover how reducing parking minimums can pave the way for a greener, more sustainable future by cutting CO2 emissions and promoting alternative transportation methods. Read now



Vanessa Jimenez

Finalist

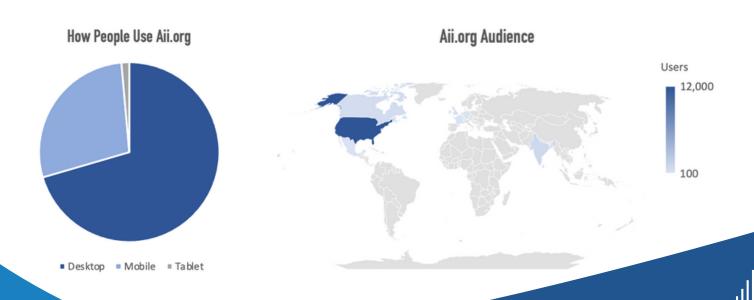
Dive into Vanessa Jimenez's insightful take on America's EV dilemma and Palm Beach County's roadmap to a greener future! From a Cabinet Secretary's journey to local solutions, discover the compelling narrative behind our transition to cleaner transportation. Read here

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By the Numbers

SELECT PLATFORM HIGHLIGHTS

NUMBERS AUDIENCE 77% increase in following • 1,500 new followers Linkedin • Washington DC-Baltimore Area • Dallas-Fort Worth Metroplex • Greater Phoenix Area • Greater Minneapolis-St. Paul Area 25,000+ new visitors • New York City Metropolitan Area Aii.org 2,000+ monthly clicks • Los Angeles Metropolitan Area 1,500+ subscribers • Greater Seattle Area • Omaha Metropolitan Area Austin, Texas Metropolitan Area • Greater Anchorage Area



By the Numbers

YOUTUBE CHANNEL

Throughout 2023, Aii was pleased to release dozens of new videos, encompassing a comprehensive range of infrastructure-related subjects. These include cross-country excursions, informative educational content, and live discussions with industry experts, offering valuable insights into the multifaceted realm of infrastructure.

VIDEOS

In the design studio, the creatives at Aii diligently strive to produce top-quality content. Our objective is twofold: to underscore our eagerness to embrace diverse perspectives and to present them in an engaging and entertaining manner.



IMPACT SNAPSHOT

23K

Total viewership

166

Channel subscribers

80

New video uploads

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Research Spotlight



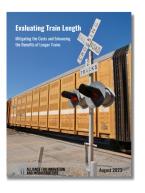
PUBLICATIONS

5 White Papers7 Policy Briefs47 Policy Blogs















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Unseen Threats to the U.S. Economy The imperience of damage prevention for serving billions in preventable harm Introduction

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Unseen Threats to U.S. Infrastructure Reliability The importance of damage prevention for the infrastructure we rely upon every

INSTRUCTION

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The Top Paths to Decarbonization Surveying National Decarbonization Strategies

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Research Spotlight



In September, we published a major report, "Pathways to Decarbonizing Heat," which offers a comprehensive framework for assessing and prioritizing decarbonization strategies for industrial process heat.

This framework meticulously integrates considerations spanning cost analysis, environmental ramifications, and legal intricacies encompassing permitting procedures, construction timelines, and potential legal impediments.

It also presents an argument for a *cumulative cost-benefit analysis*, which includes assessing a given decarbonization strategy using the six-factor framework, and then the entire framework is applied to each contingent factor or needed infrastructure component not yet in place.



Our report **Evaluating Train Length**: Mitigating the Costs and Enhancing the Benefits of Longer Trains evaluates the impact of train length on railroad operations and safety. It analyzes various factors such as safety, costs, and environmental impact.



Executive director Benjamin Dierker discusses the unseen threats to critical infrastructure with the Institute for Homeland Security (IHS) at Sam Houston State University in Texas. This research report delves into vulnerabilities to public safety and infrastructure reliability among other risks that may not be immediately apparent but can have significant impacts for millions of Texans.

Board of Directors



Mandy Gunasekara

Mandy is a veteran climate and energy strategist, communicator, and environmental attorney who has a well-earned reputation for delivering results. She most recently served as the Chief of Staff for the EPA during the Trump-Pence administration.



Scott Harper

An experienced attorney, Scott is a founding partner in the Dallas-based firm Harper Bates & Champion, where he focuses on innovation, technology, and intellectual property law.



Chris Kilgore

Chris has been practicing law throughout the United States for nearly 30 years. During that time, he has been a member and managing partner at several law firms where he practiced primarily in the field of aviation and transportation law and litigation.



Jack Reape

Jack Reape is a Texas-based leadership and management consultant, operations troubleshooter, and project manager. His areas of expertise include aviation operations, risk management, and connecting well-led teams for defined success.



Robert Sumwalt

Robert currently serves as the executive director of the Center for Aviation and Aerospace Safety at Embry-Riddle Aeronautical University. The former Chairman of the NTSB, Robert is a fierce advocate for improving safety across all modes of transportation.



Dave Venable

A former intelligence officer with the National Security Agency, David has extensive experience in Computer Network Exploitation, Information Operations, and Digital Network Intelligence, and cryptography.

The Board of Directors is committed to pursuing bi-partisan problem-solving and collaboration, and includes professionals with management and policy expertise in a wide variety of public service, non-profit, and private enterprise including military service, law, cybersecurity, and more. With a range of views and experiences, the board fosters intentional discourse and seeks to learn from others' perspectives on public policy.

Nonprofit Breakdown

Get to know Aii and see how your donations make an impact. The Alliance for Innovation and Infrastructure is a virtual nonprofit made up of two organizations: The National Infrastructure Safety Foundation (NISF) and the Public Institute for Facility Safety (PIFS). The Alliance exists to identify public policy challenges and produces educational policy outreach materials to encourage public debate and conversation on issues affecting infrastructure safety. Aii seeks to improve safety and efficiency by promoting proven innovative technology and higher safety standards to achieve excellence nationwide.

N ISF is a non-partisan entity organized as a 501(c)(4) non-profit. Our mission is to develop and promote rational public policies and best practices aimed at achieving innovative safety and efficiency solutions for national infrastructure systems and projects.

The Foundation, one of two members that form the Alliance for Innovation and Infrastructure, encourages public, community engagement, and education. Our issue advocacy is non-partisan and independent of industry.

Consistent with our obligations to provide transparency, the Foundation makes our recently filed annual information returns, as well as the organization's application for tax-exemption, available to the public upon request. Please direct any inquiries to info@aii.org or you may call us for more information.

P IFS is an educational non-partisan organization pursuant to section 501(c)(3) of the Internal Revenue Code. Our mission is to provide educational materials to elected officials, public policy experts, and the community at large, in order to increase awareness of the many pressing infrastructure challenges our country faces and highlight potential innovative solutions.

The Institute focuses on researching and publishing indepth white papers and policy briefs on relevant infrastructure-related issues. In addition to this research, the Institute aims to educate both society and industry on best practices in the areas of safety and innovative technologies.

You can make a big difference in our educational mission for children, students, policymakers, industry leaders, and the general public. Tax ID: Employer Identification Number 47-2375227

National Infrastructure Safety Foundation

NISF does not operate for profit and exists solely to promote social welfare.

While we protect donor privacy, we are privileged to receive support and work with individuals and organizations across the United States and from a broad base of industries and backgrounds. Support for NISF work has ranged from \$5,000 to over \$100,000.

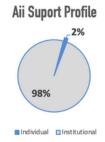


PIFS files IRS form 990-N. In 2023, PIFS received donations amounting to less than \$50,000.

Our grass-roots donors supporting Aii through PIFS help advance our general educational efforts and high quality research content. This year, donations ranged from the smallest of \$2 to the highest of \$3,500.

Silver Transparency 2023 Candid.





The Alliance for Innovation and Infrastructure (Aii), "The Alliance", or simply "Aii" are not registered entities. The Alliance is the brand name for our whole group, with two nonprofit entities. In order to donate, you need to send your contribution to the Public Institute for Facility Safety, a 501(c)(3), or the National Infrastructure Safety Foundation a 501(c)(4).

Looking Forward



In 2023, we leveraged strategic partnerships and professional networks to bring expert insights to our audience. We began working on new written material - some of which is still in the works. Now, as we enter our 10th year, we plan to unveil a major initiative that will reshape the infrastructure dialogue forever.



Aii Executive Director
 Benjamin Dierker

