



## Infrastructure Investment and Jobs Act Nov. 2021

The Infrastructure Investment and Jobs Act (IIJA), expected to be signed into law shortly, invests around \$1 trillion in infrastructure, of which \$550 billion is new money. The investments cover a broad range of infrastructure, including public transit, rail, roads and bridges, energy transmission, electric vehicle infrastructure, airports, ports and waterways, clean drinking water and waste water infrastructure and broadband.

The following provisions are of particular interest to the U of I:

- **Energy Infrastructure**
  - The bill includes \$73 billion over four years for energy infrastructure and clean energy demonstration projects at the Department of Energy (DOE). Targeted funding would be provided for Carbon Capture Utilization and Storage (CCUS), direct air capture, grid resilience and modernization, and clean hydrogen, among other topics. Most of the funding would support industry- and national lab-led projects, but research universities would be eligible to partner and, in some cases, lead projects. More information available [here](#).
    - The bill encourages R&D into hydrogen energy and authorizes the establishment of four *regional clean hydrogen hubs*, funded at \$8 billion over five years. UIUC recently partnered with Argonne National Lab to launch the [Midwestern Hydrogen Partnership](#).
- **Rail R&D Center of Excellence**
  - OGR worked with both IL Senators and Rep. Marie Newman to include an authorization for the US Department of Transportation (DOT) to establish a new university-based Rail Research and Development Center of Excellence. The provision is of strong interest to UIUC's RailTEC and UIC's Urban Transportation Center.
- **University Transportation Centers (UTC)**
  - The bill includes \$95 million over five years in supplemental funding for the UTC program. UIUC previously led a Tier I rail-focused UTC, and both UIUC and UIC have been partners on several UTCs.
- **Transportation Resilience and Adaptation Centers of Excellence**
  - The bill establishes new Centers of Excellence for Resilience and Adaptation, to support research improving resilience on surface transportation infrastructure.
- **Cybersecurity Research**

- The bill provides \$157 million over five years for the Department of Homeland Security's Science and Technology Directorate for cybersecurity-related research activities.
- **Broadband Equity, Access, and Deployment Program**
  - The bill establishes a \$42.5 billion formula grant program for states (with \$100M reserved for each state) administered by the Department of Commerce to expand broadband access to underserved areas, with nonprofits, public-private partnerships, private companies, utilities and local governments all eligible for project funding.
- **Workforce Development**
  - Among other provisions, the bill invests in transportation workforce development, training and education, through grants to educational institutions and state transportation agencies.
- **Airports**
  - Airports will receive \$25 billion to fund renovations, including \$15 billion for airport infrastructure grants, \$5 billion for airport terminal projects and \$5 billion to upgrade air-traffic-control tower facilities.

You can find information on the funding that IL can expect to receive from the infrastructure bill [here](#) and [here](#).