



Infrastructure Bill Update: A Conversation with PA's Transportation Secretary

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**INVESTING IN THE
FUTURE:
AN OVERVIEW OF THE
BIPARTISAN
INFRASTRUCTURE LAW**

SECRETARY YASSMIN GRAMIAN, P.E.










BIL/IIJA HIGHLIGHTS

Highlights

- On November 15, 2021 the **\$1.2 trillion** infrastructure bill known as Bipartisan Infrastructure Law (BIL) was signed into law.
- BIL provides **\$550 billion** in new investments across infrastructure assets (e.g., transportation, transit, water, broadband) and could have transformational impact on local communities
 - Approximately **\$400 billion** for highways and bridges over five years
 - **\$11.8 billion** for highway safety
 - **\$40 billion** in dedicated funding for bridges
 - **\$5 billion** for National Infrastructure Project Assistance or “Megaprojects”
 - **\$91.2 Billion** for transit
 - **\$66 billion** for passenger rail over five years
 - **\$25 billion** for Airports & **\$16.7 billion** for Ports & Waterways
 - **\$7.5 billion** in electric vehicle charging infrastructure & specific vehicle transition to electric
 - Transfers **\$118 billion** from the General Fund to the Highway Trust Fund



IIJA PROGRAM OVERVIEW

-  Better Roads and Bridges
-  Network of Electric Vehicle Chargers
-  Investments in Public Transit
-  Investment in Passenger Rail
-  Upgrade Airports and Ports
-  High-Speed Internet Access
-  New Discretionary Programs
-  Funding Allocation & Fund snapshot
-  Implementation Considerations



BETTER ROADS & BRIDGES

- The Infrastructure Investment and Jobs Act (IIJA) is the single largest dedicated bridge investment since the construction of the interstate highway system
- Pennsylvania has **3,353 bridges** and over **7,540 miles** of highway in poor condition
- Through the IIJA, PA expects **\$11.3 billion** for federal-aid highway apportioned programs and **\$1.6 billion** for bridge replacement and repairs
- Pennsylvania can also compete for the **\$12.5 billion** Bridge Investment Program
- There is an additional **\$16 billion** in the IIJA dedicated for major projects



NETWORK OF EV CHARGERS

- Pennsylvania expects to receive **\$171 million** over five years to support the expansion of an electric vehicle charging network
 - Chargers will be placed on designated Alternative Fuel Corridors (AFCs) every 50 miles and within 1 travel mile of the corridor
- There will also be the opportunity to apply for the **\$2.5 billion** competitive grant funding dedicated to electric vehicle charging



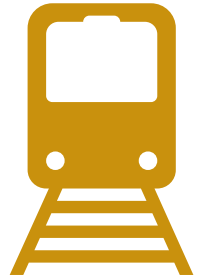
PUBLIC TRANSIT

- Through the IIJA, Pennsylvania will receive approximately **\$3.2 billion** over five years to improve public transportation options across the state.
- **21.9%** of transit vehicles in the Pennsylvania are past useful life.



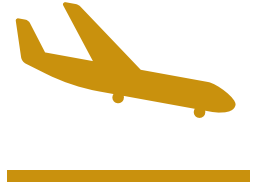
PASSENGER & FREIGHT RAIL

- Pennsylvania will be eligible to compete for up to **\$10 billion** for rail improvement and safety grants. Consolidated Rail Infrastructure and Safety Improvements (CRISI) Program NOFO to be announced in August 2022.
- An additional **\$5.5 billion** is available for grade crossing safety improvements. NOFO to be announced in June 2022.
- Federal – State Partnership for Intercity Passenger Rail (National) **\$43.5 billion**. NOFO to be announced in October 2022.



AIRPORTS & PORTS

- Through IIJA, Pennsylvania could receive approximately **\$355 million** for airport infrastructure improvements.
- An additional **\$5 billion** in discretionary funding is available for airport terminal development projects. Including projects that expand accessibility for persons with disabilities, improve access for historically disadvantaged populations, improve energy efficiency, and improve airfield safety.
- **\$16.7 billion** nationally to improve infrastructure at costal ports, inland ports and waterways, and land ports of entry.



STATE AND LOCAL FUNDING

• **Transportation:**

- **Safe Streets for All (\$6B, new)** – To support efforts to advance “vision zero” plans and other improvements to reduce crashes and fatalities, especially for cyclists and pedestrians.
- **RAISE Grants (\$15B, expanded):** To support surface transportation projects of local or regional significance.
- **FTA Low and No Emission Bus Programs (\$5.6B, expanded):** For the purchase or lease of zero-emission and low-emission transit buses as well as acquisition, construction, and leasing of required supporting facilities.
- **FHWA competitive grants for nationally significant bridges and other bridges (\$15.77B, new):** Grants to assist in rehabilitating or replacing bridges, including culverts.
- **Reconnecting Communities Pilot Program (\$1B, new):** Dedicated funding for planning, design, demolition, and reconstruction of street grids, parks, or other infrastructure.
- **SMART Grant Program (\$1B, new):** A programmed competition that will deliver competitive grants for projects that improve transportation safety and efficiency



STATE AND LOCAL FUNDING

- **Water:**

- **Drinking Water State Revolving Funds (\$55B)** – Financial Program to improve watery systems
- **Addressing Emerging Contaminants (\$23B)** - to reduce people's exposure to perfluoroalkyl and polyfluoroalkyl substances (PFAS) and other emerging contaminants through their drinking water and to help address discharges through wastewater and, potentially, nonpoint sources.



HIGH-SPEED INTERNET

- Through the IIJA, Pennsylvania will receive a minimum allocation of **\$100 million** to help provide broadband coverage across the state
 - This would include providing access to at least 394,000 Pennsylvanians who currently lack broadband access
- Approximately **23%** of people in Pennsylvania will be eligible for the Affordability Connectivity Benefit
 - This benefit helps low-income families afford internet access



SCHOOL/ASSOCIATED FUNDING

- **Energy Efficiency and Renewable Energy Improvements Grants (\$500M, new):** Competitive grants to make energy efficiency, renewable energy, and alternative fuel vehicle upgrades and improvements at public schools
- **Highway Safety Research and Development (\$970M):** This funding is open to school districts and higher-education institutions for driver education programs.
- **Northern Border Regional Commission (\$150M):** Funding for transportation infrastructure, basic public infrastructure, telecommunications, renewable and alternative energy sources.



CLEAN SCHOOL BUS PROGRAM

- Intent to replace existing school buses with low and zero-emission school buses to improve air quality, reduce health risks, and reduce greenhouse gas emissions in communities across the U.S. and especially in communities that have historically been underserved.
- **\$5 billion over 5 years** (FY 2022-2026)
 - Half of the funding (\$2.5 billion or \$500 million/year) is for “zero-emission school buses”
 - Half of the funding is for “clean school buses” (i.e., low-emission)
- **Eligible applicants**
 - State or local governmental entities that are responsible for providing school bus service
 - Eligible contractors
 - Nonprofit school transportation associations
 - Tribes, Tribal organizations, or Tribally-controlled schools
- EPA is currently accepting online applications for the Clean School Bus Program through August 19, 2022.



More information available at <https://www.epa.gov/cleanschoolbus>

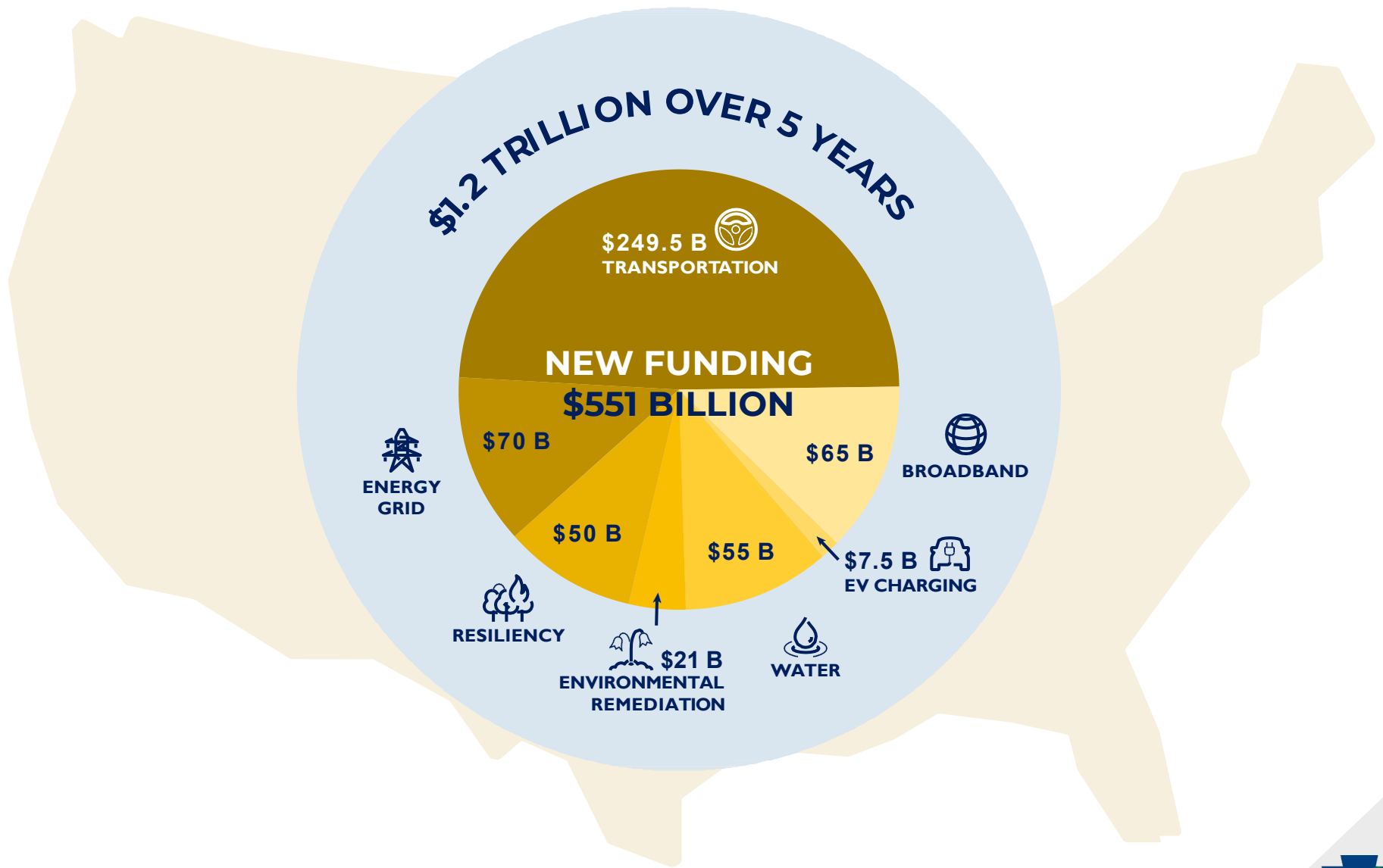


NEW DISCRETIONARY PROGRAMS

- Safe Streets for All (\$6 billion, new)
- PROTECT Grants (Discretionary, \$8.1 billion, new)
- Charging & Fueling Infrastructure (Discretionary, up to \$21.5 billion, new)
- National Electric Vehicle Formula Program (Formula & Discretionary)
- Congestion Relief Program (\$250 million)
- Bridge Investment Program (\$15.77 billion, new)
- Reconnecting Communities Pilot Program (\$1 billion, new)
- Rural Surface Transportation Grants (\$2 billion, new)
- MEGA Projects (\$15 billion, new)
- RAISE Grants Program* (Discretionary, \$15 billion, **expanded**)
- Reduction of Truck Emissions at Port Facilities Program (Discretionary, \$400 million)
- Prioritization Process Pilot Program (Discretionary, \$50 million)
- Wildlife Crossings Pilot Program (\$350 million)



BIL NATIONWIDE FUNDING ALLOCATION



FUNDING ALLOCATION & SNAPSHOT

\$13.1 BILLION PA HIGHWAY ROADS & BRIDGES FEDERAL FUNDING OVER 5 YEARS

SUB CATEGORIES:

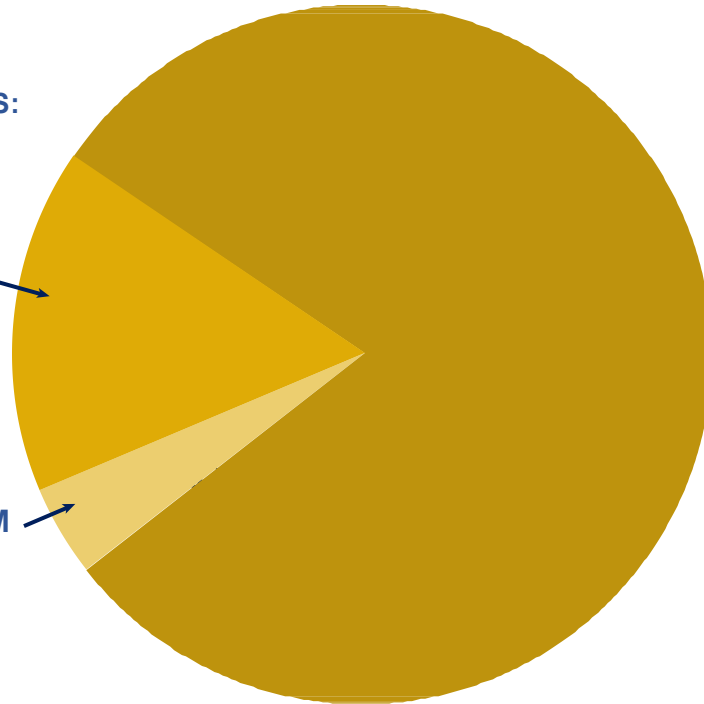
\$1.6 B
SPECIAL BRIDGE
PROGRAM

\$171 M
ELECTRIC VEHICLE
PROGRAM

NEW PROGRAM AREAS

\$264.8 M
CARBON REDUCTION
PROGRAM

\$301.1 M
PROTECT FORMULA
PROGRAM



EXISTING CORE AREAS

\$6.1 B
NATIONAL HIGHWAY PERFORMANCE PROGRAM

\$2.97 B
SURFACE TRANSPORTATION BLOCK GRANT PROGRAM

\$656.6 M
HIGHWAY SAFETY IMPROVEMENT PROGRAM

\$35.7 M
RAIL HIGHWAY CROSSINGS PROGRAM

\$592.5 M
CONGESTION MITIGATION AND AIR QUALITY

\$89.1 M
METROPOLITAN PLANNING

\$296.1 M
NATIONAL HIGHWAY FREIGHT PROGRAM



FORMULA FUND SNAPSHOT

FFY	Increase Based on Formula	Special Bridge Program	Est. Total Increase	Federal Fund Totals (Existing + New)	Est. State Match Needed for New Federal Funds
2022	\$377.5 million	\$327.2 million	\$704.7 million	\$2.5 billion	\$163.9 million
2023	\$421 million	\$327.2 million	\$748.2 million	\$2.5 billion	\$174.8 million
2024	\$465.3 million	\$327.2 million	\$792.5 million	\$2.6 billion	\$185.9 million
2025	\$510.5 million	\$327.2 million	\$837.7 million	\$2.6 billion	\$197.1 million
2026	\$556.7 million	\$327.2 million	\$883.9 million	\$ 2.7 billion	\$208.7 million
Est. 5-yr total	\$2.3 billion	\$1.6 billion	\$4 billion	~\$13 billion	\$930.4 million



NEW PROGRAM AREAS

Within the General Fund:

- Special Bridge Program - **\$1.39 billion**
- Special Bridge Program (Off System Bridges) - **\$245.3 million**
- National Electric Vehicle Program - **\$171.5 million**



IMPLEMENTATION CONSIDERATIONS

- New challenges
 - New program requirements for formula funding
 - Agency capacity constraints
 - Broader supply chain challenges
 - Increased stakeholder coordination and management needed to be successful Scale of new stimulus when still deploying ARPA
- Developing and managing to fill capability gaps



MORE INFORMATION

- www.transportation.gov/bipartisan-infrastructure-law
- www.transportation.gov/bipartisan-infrastructure-law/upcoming-notice-funding-opportunity-announcements-2022
- www.fhwa.dot.gov/bipartisan-infrastructure-law/



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