

Department of Transportation

Investing in America: The Future of Mobility in Michigan

Michigan Municipal League Annual Conference

Spring 2023



U.S. Department
of Transportation

Improving Transportation in Our Communities: Day One Lessons

What the pandemic taught us:

- Rural communities were particularly vulnerable to the economic shock of the pandemic.
- Historic health disparities were exacerbated by lack of access to care.
- Supply chain challenges made it difficult for businesses to ramp up.
- Progress on roadway safety stalled after a consistent decline in traffic fatalities for 30 years.
- Cities and towns were reimagining community in a time of crisis.

DOT Strategic Goals and Priorities

Safety

- Make our transportation system safer for all people. Advance a future without transportation-related serious injuries and fatalities.

Economic Strength and Global Competitiveness

- Grow an inclusive and sustainable economy. Invest in our transportation system to provide American workers and businesses reliable and efficient access to resources, markets, and good-paying jobs.

Equity

- Reduce inequities across our transportation systems and the communities they affect. Support and engage people and communities to promote safe, affordable, accessible, and multimodal access to opportunities and services while reducing transportation-related disparities, adverse community impacts, and health effects.

Climate and Sustainability

- Tackle the climate crisis by ensuring that transportation plays a central role in the solution. Substantially reduce greenhouse gas emissions and transportation-related pollution and build more resilient and sustainable transportation systems to benefit and protect communities.

Transformation

- Design for the future. Invest in purpose-driven research and innovation to meet the challenges of the present and modernize a transportation system of the future that serves everyone today and in the decades to come.

Organizational Excellence

- Strengthen our world-class organization. Advance the Department's mission by establishing policies, processes, and an inclusive and innovative culture to effectively serve communities and responsibly steward the public's resources.



Investing in America

Investing in America includes historic investments from the Inflation Reduction Act, the CHIPS and Science Act, the Bipartisan Infrastructure Law, and the American Rescue Plan.

In two years, we have:

- Announced **over \$200 billion** in Bipartisan Infrastructure Law funding and over **23,000 infrastructure projects and awards across 4,500 communities**; launched over **3,700** bridge repair and replacement projects; and awarded funds for over **3,000** new clean transit buses
- Spurred Investment in clean energy projects across dozens of states. Independent analysts expect **near-term clean energy deployment in the United States to increase by 25%** over levels prior to when the President signed the Inflation Reduction Act.
- Unlocked over **\$1.5 billion** in funding for **all 50 states, DC, and Puerto Rico** to build EV chargers and **cover tens of thousands of miles of highway** to electrify the great American road trip.

Expansions and New Eligibilities for Existing Programs

BIL expands existing grant and financing programs that provide funding to local governments¹

- Rebuilding American Infrastructure with Sustainability and Equity (RAISE) Grants: \$15 billion
- Infrastructure for Rebuilding America (INFRA) Grants: \$14 billion
- Transportation Infrastructure Finance and Innovation Act (TIFIA) program and Railroad Rehabilitation & Improvement Financing (RRIF) program: Expanded transit-oriented development eligibilities

BIL includes formula programs with expanded eligibilities and increased funding which will benefit local governments.

- Surface Transportation Block Grants (STBG): \$72 billion
 - Local governments will see a 24% increase in STBG funding
 - BIL also increases the set-aside within STBG for the Transportation Alternatives Program (TAP) and increases the minimum percentage of TAP funding that is sub-allocated by population to 59%

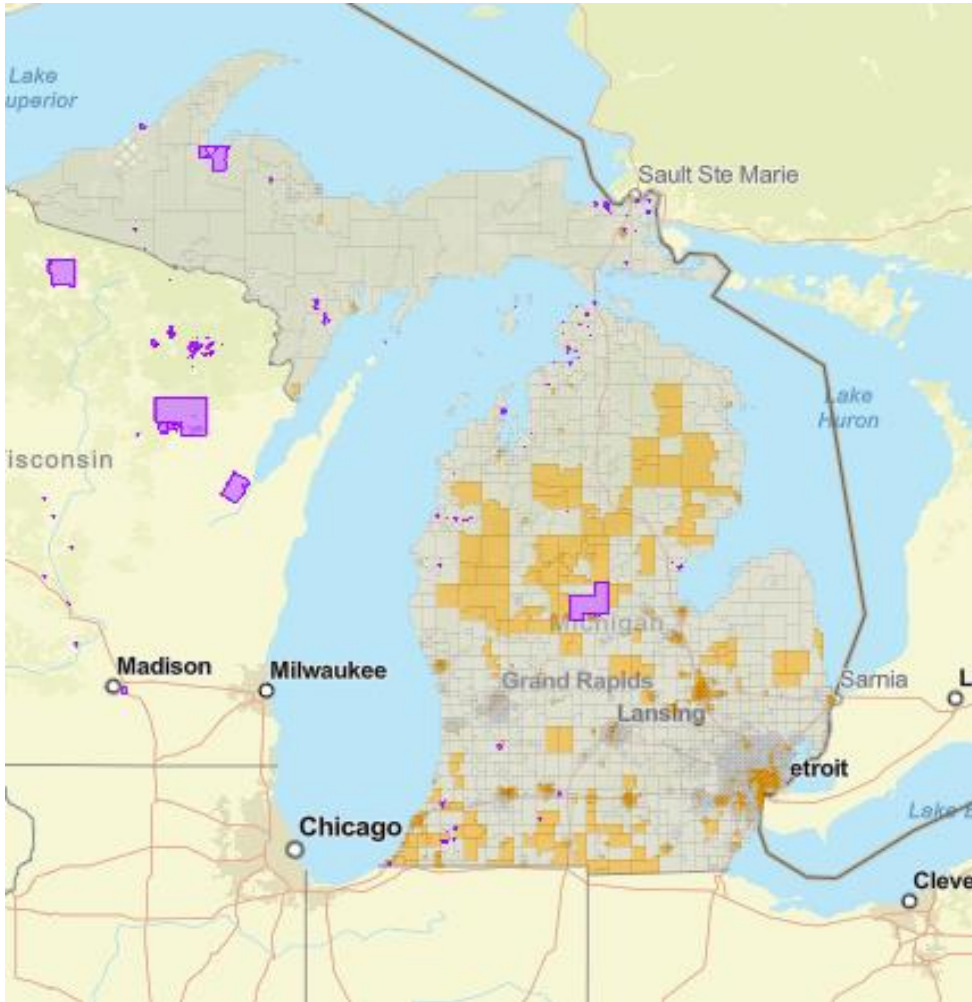
1: Please note that these funding totals on this slide reflect the BIL/Infrastructure Investment and Job Act (P.L. 117-58) funding amounts as originally authorized and appropriated in November 2021. Specifically, they include amounts subject to appropriations for FY22-FY26.

Expanded Funding Streams to Benefit Local Governments

- \$27.5 billion in formula funding for bridges with a 15% set aside for off-set bridges
- \$23 billion in increased funding for FTA's major transit program - Capital Investment Grant - with \$8 billion guaranteed and an additional \$15 billion authorized
- ~\$11 billion for Bus and Bus Facilities (Formula and Competitive) and Low or No Emissions Grants
- \$2 billion to make transit more accessible
- \$66 billion total investment in rail
- \$25 billion for airports
- \$17 billion for ports

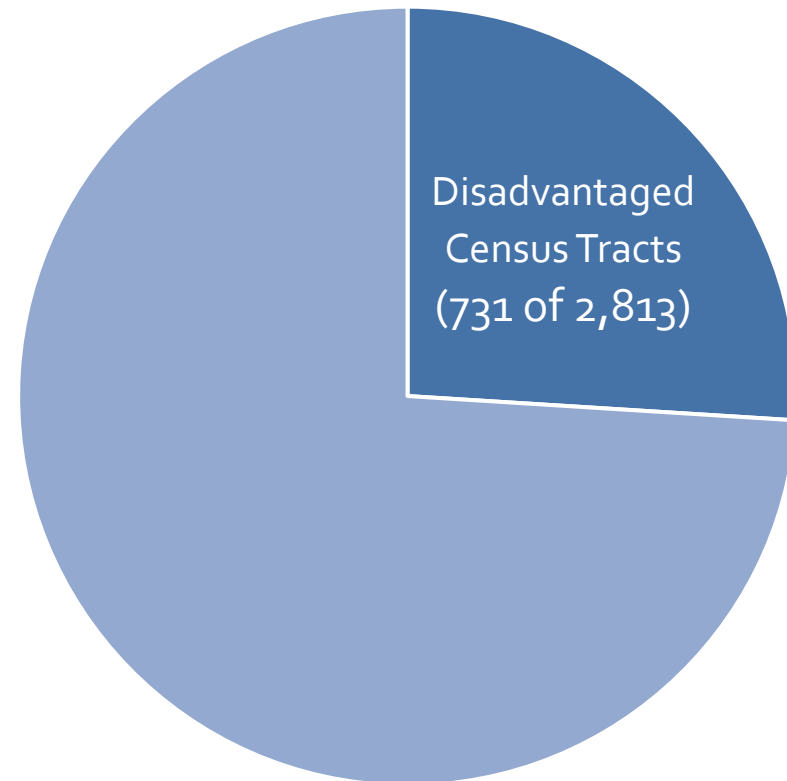
Key Formula Programs for Michigan	
Bridge Formula (FY23)	\$121,633,127
National Electric Vehicle Infrastructure (5 year)	\$110,061,712
Transit (FY23)	\$201,835,525
Carbon Reduction Program (5 Year)	\$168,587,508

Justice40 Communities in Michigan



[Transportation Disadvantaged Census Tracts \(arcgis.com\)](https://arcgis.com)

26 % of Michigan Census Tracts Are Justice40 Communities



New Programs for Local Government

The BIL includes significant new formula and grant programs, including over \$45 billion in new competitive grants, for localities. Examples (subject to appropriation) include:

 Safe Streets and Roads for All:	\$6 billion
 Bridge Investment Program:	\$16 billion
 Transit-Oriented Development Pilot Program:	\$68 million
 Reconnecting Communities:	\$1 billion
 Culvert Removal, Replacement and Restoration:	\$1 billion
Carbon Reduction Program:	\$6 billion
 SMART Grant Program	\$1 billion
 National infrastructure Investments (Megaprojects):	\$15 billion
 Rural Surface Transportation Grant Program	\$2 billion
 Charging and Fueling Infrastructure grants:	\$2.5 billion
 PROTECT formula and discretionary grants:	\$8.7 billion

Rebuilding American Infrastructure with Sustainability and Equity (RAISE)

- \$2.2 billion multimodal, merit-based, competitive discretionary grant program for surface transportation infrastructure.
- Supports projects that improve safety, equity, climate and sustainability, and the creation of good-paying jobs, consistent with DOT's strategic goals.
- **Michigan RAISE Awards 2022:**

Detroit Mobility and Innovation Corridor - \$25,000,000

The project will transform an urban highway into a multimodal facility with state-of-the-art improvements for pedestrian, cyclists, and transit users. Currently, bus stops lack shelter and seating, and are separated from buses by bike lanes and parking lanes, creating safety concerns

Northern Michigan Rail Planning /Service Development Plan (Cadillac/Wexford TA) - \$1,300,000 (full funding)

This planning project will develop a Service Development Plan to consider new train services through fifteen counties between southeast Michigan and northern lower Michigan.

Downtown Kalamazoo Transportation Network - \$5,974,694

This planning grant will redesign the Downtown Kalamazoo Transportation Network to be more walkable based upon a complete streets design, including converting Kalamazoo Avenue from a one-way street to a two-way street.

- **NOFO Announcement: Fall 2023**
- www.transportation.gov/RAISEgrants

Reconnecting Communities Pilot Program

The Reconnecting Communities Pilot discretionary grant program, created under President Biden's Bipartisan Infrastructure Law, is the first-ever program to help reconnect communities previously cut off from opportunities by transportation infrastructure, such as highways and rail lines.



Learn more and stay connected:

www.transportation.gov/reconnecting
ReconnectingCommunities@dot.gov

NOFO Announcement: May 2023

The City of Kalamazoo: Reconnecting Communities Pilot Project for Kalamazoo and Michigan Avenues

Award: \$12,272,799

Michigan DOT designated these roads as one-way roads approximately 60 years ago, creating a high-speed and high-volume traffic corridor through downtown, dividing the community and creating access barriers for a predominantly Black neighborhood.

- The project will upgrade Kalamazoo and Michigan Avenues with traffic calming measures and pedestrian, bicycle, and transit improvements.

Bridging I-696: Connecting Oak Park

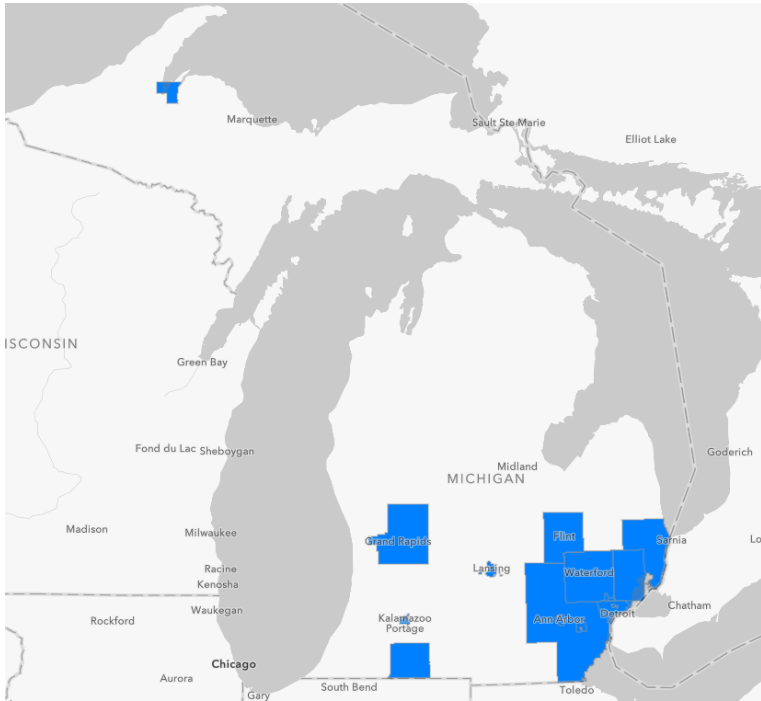
Award: \$21,704,970

The project is located in and serves historically disadvantaged communities. Much of the public engagement has been coordinated with faith-based leaders and has a project-specific public involvement plan including outreach specific to the community's preferences.

- The project will reconstruct a deck/plaza over Interstate 696 in suburban Detroit at a point which bisects the Orthodox Jewish community of Oak Park into two halves.

Safe Streets and Roads for All Grant Program

The new Safe Streets and Roads for All Grant Program, created under President Biden's Bipartisan Infrastructure Law, with **\$5 billion in advanced appropriations** over the next 5 years. The **\$1 billion Fiscal Year 2022** application period is open. It is a key program that supports the National Roadway Safety Strategy and funding supports local initiatives to prevent death and serious injury on roads and streets, commonly referred to as “Vision Zero” or “Toward Zero Deaths” Initiatives.



Michigan was awarded **13 Action Plan Grants**, totaling **\$8.6 million**.

Implementation Grant: City of Detroit, \$24.8 million

- This project will implement safety improvements on Detroit’s high-injury network that are designed to reinvent existing transportation infrastructure to focus on pedestrian safety and encourage safe speeds.
- The project will implement Proven Safety Countermeasures such as road diets, leading pedestrian intervals, bike lanes, pedestrian refuge islands, rectangular rapid flashing beacons, and protected left-turn lanes.
- The project will also apply systemic low-cost, high-benefit safety interventions throughout the City that include installing curb extensions, high-visibility crosswalks, raised crosswalks, intersection lighting, and pedestrian countdown timers.

Learn more and stay connected:

<https://www.transportation.gov/grants/SS4A>
ss4a@dot.gov

Applications Deadline: July 10, 2023

Future of Mobility

The future of mobility will...

- Look different depending on the local context.
- Improve safety for all road users.
- Be inclusive, equitable, and improve access to resource in underserved communities.
- Address climate change.
- Expand economic opportunity and competitiveness.
- Link land use policies and transportation planning.

Future of Mobility: National Roadway Safety Strategy

To achieve a future without transportation-related serious injuries and fatalities, DOT adopted the Safe System Approach.



Call to Action
Implement the Safe System Approach added to Michigan's 2023-2026 Strategic Highway Safety Plan.

<https://www.transportation.gov/NRSS>

Future of Mobility: Supply Chain - Improve Movement of Goods

Currently, the lack of transparency across supply chain networks makes our supply chain brittle and unable to adapt when faced with an anomaly.

Through the Freight Logistics Optimization Works (FLOW)pilot, USDOT is serving as an independent steward of supply chain data across a largely privately-operated enterprise that spans shipping lines, ports, terminal operators, truckers, railroads, warehouses, and beneficial cargo owners. Michigan has already taken action on modernizing ports.

Alpena, Michigan

Improving Vessel Access for Sustained Viability

FY 22 Port Infrastructure Development Program: \$3,751,623

Project improvements include berth dredging to increase the water depths within the port basin to satisfy larger vessels, stone dock demolition to increase the overall area for vessels to access the site, new mooring dolphins, the addition of a roof for a storage building, demolition of a storage building, and maritime security (MARSEC) upgrades.

Michigan Department of Transportation Blue Water Bridge

International Smart Freight Corridor

FY22 SMART Award: \$1,806,218

Implement a proof of concept of a smart corridor for truck borne goods movement across Port Huron, Michigan's Blue Water Bridge at the U.S.-Canadian border.

Future of Mobility: EV Charging and Infrastructure

A key climate goal of the administration is reducing greenhouse gas pollution by 50-52 percent from 2005 levels by 2030. Signature programs include:

- **National Electric Vehicle Infrastructure Formula Program:** This DOT program provides \$5 billion for states to build a national EV charging network with stations spaced no more than 50 miles apart and within one mile of the interstate exit or highway.
- **Charging and Fueling Infrastructure Discretionary Grant Program:** This program provides \$2.5 billion in grant funds to strategically deploy publicly accessible EV charging and alternative fueling infrastructure in communities where people live and work.
- **Low or No Emission Vehicle Program for Transit:** This DOT program provides \$5.6 billion in support of low- and no-emission transit bus deployments.
- **Clean School Bus Program:** Through this program, the U.S. Environmental Protection Agency is providing \$5 billion in support of electric school bus deployments.

Rural communities can benefit from EV infrastructure investments, as rural communities:

- Are home to 20 percent of Americans and almost 70 percent of America's road miles.
- Drive more than their urban counterparts, spend more on vehicle fuel and maintenance, and often have fewer alternatives to driving to meet their transportation needs.

<https://www.transportation.gov/rural/ev/toolkit>

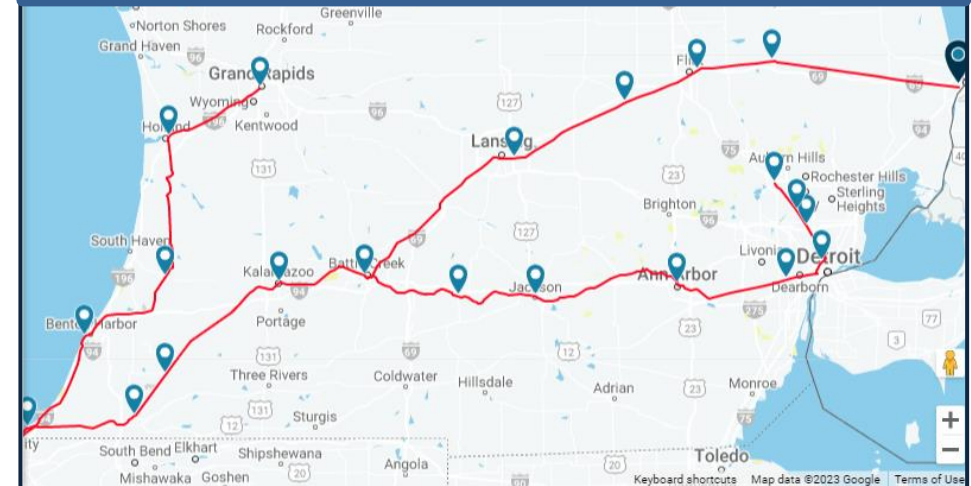
Future of Mobility: Equitable Land Use Policies that Expand Economic Opportunity

DOT Approach to Land Use

- Support housing with access to mobility options people desire
- Invest in creating walkable and bikeable communities in urban, suburban, and rural contexts
- Connect communities, support job creation, and expand access to resources
- Reduce transportation cost burden
- Expand Public-Private Partnership opportunities

Railroad Rehabilitation & Improvement Financing (RRIF)

- Low interest rate
- Up to 35 year repayment period
- Deferrable for 5 years after substantial project completion
- No pre-payment penalty
- The funding may be used to develop or establish new intermodal or railroad facilities and finance transit-oriented development (e.g., commercial and residential development)



Current/Upcoming Funding Opportunities

- Charging and Fueling Infrastructure – ***Closes May 30, 2023***
 - Multimodal Project Discretionary Grant Opportunity (Mega, INFRA, and Rural) – ***Spring 2023***
 - Promoting Resilient Operations for Transformative, Efficient, and Cost Saving Transportation (PROTECT) – ***Spring 2023***
 - Reconnecting Communities Pilot Program/Neighborhood Access and Equity Grant Program - ***Spring 2023***
 - Safe Streets and Roads for All (SS4A) Grant Program – ***Closes July 10, 2023***
 - Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program – ***Fall 2023***
 - Thriving Communities Program – ***Spring 2023***
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Technical Assistance/Support

Build America Bureau (includes Transit-Oriented Development)

<https://www.transportation.gov/buildamerica/>

Email: BuildAmerica@dot.gov

DOT Technical Assistance Navigator

<https://www.transportation.gov/dot-navigator>

Email: USDOTassist@dot.gov

Rural Electric Mobility Infrastructure

<https://www.transportation.gov/rural/ev/toolkit>

Email: rural@dot.gov

Rural Opportunities to Use Transportation for Economic Success (ROUTES)

<https://www.transportation.gov/rural>

Email: rural@dot.gov

Rural and Tribal Technical Assistance Pilot

<https://www.transportation.gov/buildamerica/RuralandTribalGrants>

Email: BuildAmerica@dot.gov

Tribal Technical Assistance Program (TTAP)

<https://www.fhwa.dot.gov/clas/ttap/>

Email: CLAS@dot.gov

Local/Regional Offices

- FHWA Division Offices
- FTA Regional Offices
- FMCSA Division Offices
- NHTSA Regional Operations Team
- Small Business Transportation Resource Centers

Specialized Centers/Institutes

- FHWA Center for Accelerating Innovation
- FHWA National Highway Institute
- Build America Transportation Investment Center (BATIC)
- FHWA Resource Center
- FHWA Center for Transportation Workforce Development
- FHWA Center for Innovative Finance Support

More Info at:

<https://www.transportation.gov/bipartisan-infrastructure-law>

<https://www.whitehouse.gov/build/>

<https://www.whitehouse.gov/invest/>



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