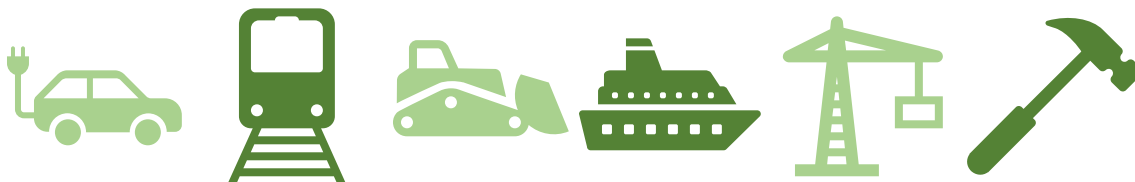




Congressman Andy Levin

2019 Infrastructure Report for
Michigan's 9th Congressional District

May 2019



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May 22, 2019

Dear Friend,

During my first few months in Congress, I have worked hard to advance the transportation and infrastructure priorities of Michigan's Ninth Congressional District. I recently asked community leaders to share their most pressing infrastructure needs with my office so that I might elevate these issues and push for legislation and funding that works for MI-09.

This report highlights some of those needs and outlines the improvements our communities want—and that I will fight for—in Macomb and Oakland Counties. These projects are essential to building a more welcoming, sustainable and livable Michigan.

Failure to address these needs and make necessary upgrades to our infrastructure not only jeopardizes Americans' safety, but costs working families money. For example, Michigan motorists pay \$14.1 billion every year in the forms of additional vehicle operating costs, congestion-related delays, and traffic crashes.¹ We need to tackle the issues that are damaging our roads, like sanitary sewer overflows that cost U.S. communities billions of dollars in clean-up and road repair.²

That's why I led a letter to the House Appropriations Committee last month requesting federal funding to improve Macomb County's Chapaton Retention Basin. This 28-million-gallon Combined Sewer Overflow Facility opened in 1968, and currently services Interstate 94 (I-94), businesses, and approximately 92,000 residents in Eastpointe and St. Clair Shores, Michigan. The Basin serves a vital function in protecting our roads and Lake St. Clair by retaining storm water and sanitary sewage flow during heavy rains and then re-diverting to sewage treatment.

I'm excited to replicate efforts like this to advance even more priorities for MI-09. As Congress works to develop infrastructure legislation and annual spending bills, please be assured that I will be fighting for the priorities presented here. I plan to draw from this report, my visits to communities across Macomb and Oakland Counties, and conversations with constituents like you as I work with my colleagues to craft a bold infrastructure plan that puts Michiganders to work and invests in the future of our communities.

Sincerely,



Andy Levin
Member of Congress

¹ TRIP. (2019). *Modernizing Michigan's Transportation System*.
http://www.tripnet.org/docs/MI_Progress_and_Challenges_TRIP_Report_March_2019.pdf

² U.S. Environmental Protection Agency (EPA). (2003). *Why control sanitary sewer overflows*.
https://www3.epa.gov/npdes/pubs/sso_casestudy_control.pdf

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TRANSPORTATION AND INFRASTRUCTURE PROJECTS IN MICHIGAN'S NINTH DISTRICT

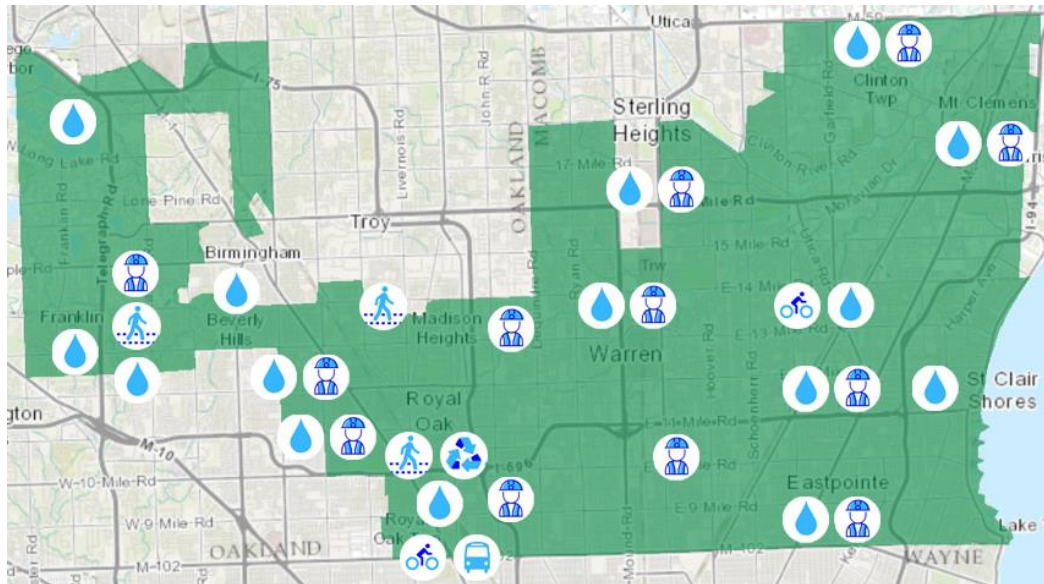
Methodology, Summary and Map

This infrastructure needs assessment was conducted by the Office of Congressman Andy Levin. A survey was sent to twenty-one city, township and village managers representing every community in Michigan's Ninth Congressional District—ten communities in Macomb County and eleven in Oakland County. The surveys collected information about types of projects, descriptions, locations, funding needs, status, and points of contact, and requested supporting documents.

All twenty-one surveyed communities responded, identifying an estimated \$1.6 billion in infrastructure priority needs across eighty projects. This report presents a sampling of the critical infrastructure needs present throughout the Ninth District. This sampling prioritized geographic diversity, level of need and project type. As such, forty-nine of the eighty projects reported are listed in this report along with descriptions and estimates of needed funds. Twenty-seven of the sampled projects are in Macomb County, while twenty-two are in Oakland County. Most of the projects identified deal with water quality, wastewater and stormwater infrastructure. Road and crosscutting road and water projects also represented significant priorities, and a few non-motorized pathways and other infrastructure projects were also identified.

While this report is not a comprehensive review of all infrastructure priorities, the infrastructure needs of all Ninth District communities remain a top priority for Congressman Levin.

Below is a map of Ninth District sampled projects highlighted in this report.



Macomb County Projects

CENTER LINE

WHAT IS THE PROJECT?	10 Mile Road Street Scape
WHY IS IT NEEDED?	A pedestrian-friendly main street is needed on E. 10 Mile Road from Lorraine West through Sherwood Avenue.
HOW MUCH FUNDING IS NEEDED?	\$2 million

CLINTON TOWNSHIP

WHAT IS THE PROJECT?	Lipke, Beaconsfield, Romeo, Plank, Hayes Road, 18 Mile Road and Harper Road construction
WHY IS IT NEEDED?	In 2018, Clinton Township had two PASER studies performed. These PASER studies revealed that approximately 45% of all roads in Clinton Township are in poor (3) to failing (1) conditions. As of 2008, the Township had 36.51 miles of poorly rated roads, a number that has increased by 54.24 miles as of 2018.
HOW MUCH FUNDING IS NEEDED?	\$15.8 million

WHAT IS THE PROJECT?	Water Main Replacement on Gratiot and Groesbeck Corridors
WHY IS IT NEEDED?	Based on the Township Asset Management Study, the Gratiot and Groesbeck Corridors are in critical need of replacement to preserve water quality in the Township Water system. These corridors contain large transmission lines that serve commercial, industrial and residential properties.
HOW MUCH FUNDING IS NEEDED?	\$6 million

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WHAT IS THE PROJECT?	Sanitary Sewer Separation of Footing Drains and Rehabilitation of Sewer Leads
WHY IS IT NEEDED?	Older homes in the Township were built with their footing drains connected to the public sanitary sewer system, and their sewer leads were constructed out of vitrified clay pipe. This is allowing ground water and rain water into the sanitary sewer system, forcing the transport and treatment of clean water and contributing to sanitary sewer overflows.
HOW MUCH FUNDING IS NEEDED?	\$128 million

EASTPOINTE

WHAT IS THE PROJECT?	Storm Sewer Improvements
WHY IS IT NEEDED?	Storm sewers, which were rated in critical condition by a study completed in October 2017, need replacement.
HOW MUCH FUNDING IS NEEDED?	\$1.9 million

WHAT IS THE PROJECT?	Combined Storm and Sanitary Sewer Improvements
WHY IS IT NEEDED?	Combined storm and sanitary sewers are in critical condition and need replacement.
HOW MUCH FUNDING IS NEEDED?	\$17.7 million

WHAT IS THE PROJECT?	Road Construction
WHY IS IT NEEDED?	As of August 31, 2018, the City has 1.403 miles of road with a PASER rating of 2 and 6.465 miles of road with a PASER rating of 3. These roads need reconstruction.
HOW MUCH FUNDING IS NEEDED?	\$22.8 million

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FRASER

WHAT IS THE PROJECT?

Garfield Road Resurfacing

WHY IS IT NEEDED?

This project would consist of resurfacing Garfield Road from 14 Mile Road to 15 Mile Road, including a new bridge over the Harrington Drain to replace the current box culvert. Upgrades to the intersection at Fraser High School including a left turn lane and upgrades to the traffic signal will also be incorporated.

HOW MUCH FUNDING IS NEEDED?

\$3.5 million

WHAT IS THE PROJECT?

Fraser Masonic Retention Basin

WHY IS IT NEEDED?

The retention basin along Masonic Blvd serves the storm sewer system of the subdivision between 13 Mile Road and 14 Mile Road along Kelly Road. Currently, this basin is filled with debris and needs to be excavated back to its original design volume. The two storm sewer pump stations that drain this basin also need rehabilitation to prevent flooding by maintaining the flow out of the basin.

HOW MUCH FUNDING IS NEEDED?

\$1.25 million

WHAT IS THE PROJECT?

Garfield Pedestrian Path

WHY IS IT NEEDED?

A ten-foot-wide shared use path from Utica Road to 15 Mile Road is needed along Garfield Road. This path would help connect bike lanes along Masonic Blvd to the Freedom Trail along 16 Mile Road. The project will create a path along the high school, several parks and City Hall.

HOW MUCH FUNDING IS NEEDED?

\$1.5 million

ST. CLAIR SHORES

WHAT IS THE PROJECT?

Combined Sewer Storage Improvements

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WHY IS IT NEEDED? Commissioner Candice Miller developed a plan to improve Lake St. Clair water quality by reducing combined sewer overflows at the Chapaton Retention Basin by approximately 70 percent.

HOW MUCH FUNDING IS NEEDED? \$25.5 million

WHAT IS THE PROJECT? Martin Road Drain Sewer Separation Project

WHY IS IT NEEDED? The sewer separation in the Martin Drain combined sewer district will reduce the volume of discharge to Lake St. Clair. Ninety partially treated overflow events occurred in the last ten years.

HOW MUCH FUNDING IS NEEDED? \$140 million

WHAT IS THE PROJECT? 8 1/2 Mile Relief Drain Sewer Separation

WHY IS IT NEEDED? Separating combined sanitary and storm water sewers in the area south of 9 Mile and Mack Ave. will help stop partially treated sanitary sewer discharges into Lake St. Clair.

HOW MUCH FUNDING IS NEEDED? \$69 million

STERLING HEIGHTS

WHAT IS THE PROJECT? Metropolitan Parkway, 14 Mile, and 18 Mile Road construction

WHY IS IT NEEDED? These county roads are in disrepair. Their repair will add considerable value to residents of the city, county and state.

HOW MUCH FUNDING IS NEEDED? \$205 million

WHAT IS THE PROJECT? Sterling Drive South Pond

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WHY IS IT NEEDED? Sterling Drive's south pond is not functioning properly during heavy rains, as buildings in the immediate area have experienced flooding. A temporary measure is in place preventing recurrence, but a permanent fix is needed to avoid flooding long-term.

HOW MUCH FUNDING IS NEEDED? \$60 million

WHAT IS THE PROJECT? Sec. 3 Sanitary System

WHY IS IT NEEDED? The Sec. 3 combined sanitary system is the oldest system in Sterling Heights, with issues including calcium buildup and decaying clay pipes. The lines require heavy cleaning with deposit removal and need a liner installed to restore the system back to proper flow levels.

HOW MUCH FUNDING IS NEEDED? \$100+ million

MT. CLEMENS

WHAT IS THE PROJECT? Fire Hydrant Replacements

WHY IS IT NEEDED? Mt. Clemens has approximately twenty known broken fire hydrants that need to be replaced.

HOW MUCH FUNDING IS NEEDED? \$200,000

WHAT IS THE PROJECT? Mt. Clemens Water Filtration Plant

WHY IS IT NEEDED? Funding is needed to replace a broken Ozone generator, which is used for disinfecting water as well as controlling taste and odor.

HOW MUCH FUNDING IS NEEDED? \$494,000

WHAT IS THE PROJECT? Road Repairs

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WHY IS IT NEEDED? Road repairs to local and major streets are needed to improve road safety and for other purposes.

HOW MUCH FUNDING IS NEEDED? \$45 million

ROSEVILLE

WHAT IS THE PROJECT? Road Improvements

WHY IS IT NEEDED? Nearly 25 percent of local streets are evaluated as “Failed,” “Very Poor” or “Poor” in their current conditions, posing both financial challenges and health and safety concerns. The remaining local streets must be maintained to prevent further deterioration.

HOW MUCH FUNDING IS NEEDED? \$39.9 million

WHAT IS THE PROJECT? Water Quality Improvements

WHY IS IT NEEDED? Critical needs include installation of safety valves to protect water infrastructure during pressure surges and replacement of key structural valves to prevent contamination in the event of a water main break. Replacement of aged infrastructure is needed to prevent lead and copper contamination.

HOW MUCH FUNDING IS NEEDED? \$38 million

WHAT IS THE PROJECT? Sanitary Sewer Improvements

WHY IS IT NEEDED? Funds are needed both for critical repairs and long-term preventative maintenance. Moving forward, combined sanitary and storm water infrastructure need separating to effectively prevent cross-contamination.

HOW MUCH FUNDING IS NEEDED? \$12 million

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WARREN

WHAT IS THE PROJECT?

Road Improvements

WHY IS IT NEEDED?

The 2018 pavement evaluation indicated that the city has 2.7 miles of failed roads and 17.7 miles of roads in very poor condition. The study also indicated that there are 108.9 miles of roadways that are in poor condition. All these roads need repair.

HOW MUCH FUNDING IS NEEDED? \$205.5 million

WHAT IS THE PROJECT?

Sewer and Water Main Replacements

WHY IS IT NEEDED?

The city has approximately 420 miles of sanitary sewers and 440 miles of water mains. Many of these sanitary sewers and water mains need replacement or extensive repair.

HOW MUCH FUNDING IS NEEDED? \$28 million

WHAT IS THE PROJECT?

East Trunk Sanitary Interceptor

WHY IS IT NEEDED?

A recent inspection of the main sewer line serving the east side of the City revealed several locations where concrete has deteriorated to the point of exposing the reinforcing steel that is imbedded in the pipe. Although there have been no structural failures on the pipe yet, the City is currently developing plans for the needed repairs.

HOW MUCH FUNDING IS NEEDED? \$40 million

Oakland County Projects

BERKLEY

WHAT IS THE PROJECT?	Road Reconstruction and Water Main Replacement
WHY IS IT NEEDED?	Berkley has identified 16 roads with current PASER ratings of 2 or 3, and they need reconstruction. The water main is also in need of replacement.
HOW MUCH FUNDING IS NEEDED?	\$33.4 million

BEVERLY HILLS

WHAT IS THE PROJECT?	Water Main Replacement Project
WHY IS IT NEEDED?	The Village's last remaining 4" water main that serves approximately 300 homes is about 70-80 years old and has exceeded its useful life. This water main is to be abandoned and residents reconnected to an existing 8" ductile iron main.
HOW MUCH FUNDING IS NEEDED?	\$2.5 million

BINGHAM FARMS

WHAT IS THE PROJECT?	Road improvements
WHY IS IT NEEDED?	Two roads, each approximately one-mile long, need resurfacing within the next two fiscal years for commuter safety.
HOW MUCH FUNDING IS NEEDED?	\$500,000

WHAT IS THE PROJECT?	Non-Motorized Transportation Improvements
WHY IS IT NEEDED?	To reduce traffic and encourage non-motorized transportation, the Village needs added pathways, shared-lane markings on certain roads and sidewalks along others.

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HOW MUCH FUNDING IS NEEDED? \$30,000

WHAT IS THE PROJECT? Stormwater System Rehabilitation

WHY IS IT NEEDED? The Village's open stormwater system needs attention.

HOW MUCH FUNDING IS NEEDED? \$200,000

BLOOMFIELD TOWNSHIP

WHAT IS THE PROJECT? Water System Improvements

WHY IS IT NEEDED? Funding is needed for water main replacements in the Berkshire Villas subdivision, as identified in Bloomfield Township's Water System Asset Management Plan within the 5-year Capital Improvement Plan.

HOW MUCH FUNDING IS NEEDED? \$2.9 million

WHAT IS THE PROJECT? Sanitary Sewer Improvements

WHY IS IT NEEDED? The installment of a relief sewer or storage tank at Cathedral Road and 14 Mile Road is needed to address sanitary sewer flows.

HOW MUCH FUNDING IS NEEDED? \$10 million

WHAT IS THE PROJECT? Water Main Study and Field Investigation

WHY IS IT NEEDED? The Township needs to conduct a study and field investigation on water main transmission lines installed in the mid-1960s. Water mains serve as main arteries for the Township water distribution system.

HOW MUCH FUNDING IS NEEDED? \$10 million

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CLAWSON

WHAT IS THE PROJECT?

Pedestrian Crossing Push Buttons

WHY IS IT NEEDED?

Pedestrian crossings need eight push buttons, five pedestals, conduit and brick removal, and ADA-compliant ramp work.

HOW MUCH FUNDING IS NEEDED? \$35,000

FERNDALE

WHAT IS THE PROJECT?

Woodward Avenue Resurfacing and Road Diet

WHY IS IT NEEDED?

Woodward Avenue is a key corridor for Downtown Ferndale and the region. With resurfacing planned for April 2020, the cities of Ferndale and Pleasant Ridge are finalizing plans to transform the corridor with streetscape and sustainability improvements for bicyclists, pedestrians, transit and all users of the street. Funding to bring transit to the corridor is a major priority.

HOW MUCH FUNDING IS NEEDED? \$6 million

FRANKLIN

WHAT IS THE PROJECT?

Franklin Road Water Project

WHY IS IT NEEDED?

The Village is served by individual wells. Downtown has documented ground water contamination, which threatens the safety of drinking water in that area and perhaps the entire Village. An alternate water supply will provide safe drinking water and greatly improve the Village's fire suppression capabilities.

HOW MUCH FUNDING IS NEEDED? \$2.5-\$5 million, depending on connection location

HAZEL PARK

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WHAT IS THE PROJECT?	Road repairs on South John R. Road, North John R. Road, and 9 Mile Road.
WHY IS IT NEEDED?	Due to truck traffic and the lack of road funding, these road repairs and improvements are essential to residents and business owners.
HOW MUCH FUNDING IS NEEDED?	\$2.1 million

HUNTINGTON WOODS

WHAT IS THE PROJECT?	Road Reconstruction and Water Main Replacement
WHY IS IT NEEDED?	Huntington Woods has twenty-five miles of local roads. As of November 2018, 45 percent were rated "poor," with an average PASER rating of 4.721. In addition, Huntington Woods' water mains were installed in the 1920s and have outlived their useful life. They need to be replaced.
HOW MUCH FUNDING IS NEEDED?	\$17.5 million

WHAT IS THE PROJECT?	Sewer Pipe Bursting Project
WHY IS IT NEEDED?	Following the recent clean up and televising of all sewer mains, Huntington Woods identified multiple areas for repair. Since the City has a combined sewer overflow system, defects could lead to basement backups if these areas are not addressed.
HOW MUCH FUNDING IS NEEDED?	\$7.2 million

MADISON HEIGHTS

WHAT IS THE PROJECT?	Cleanup of Site on 10 Mile Road
WHY IS IT NEEDED?	The City actively seeks the cleanup and demolition of an industrial site on 10 Mile Road. Funding is needed to demolish the current buildings, conduct environmental cleanup of the site and build a new fire station.

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HOW MUCH FUNDING IS NEEDED? \$2.7 million

WHAT IS THE PROJECT? Salt Dome Replacement

WHY IS IT NEEDED? The Madison Heights Department of Public Services Salt Dome is at the end of its useful life. Funds are needed to replace the deteriorated salt storage dome and to create an MDEQ-compliant runoff containment system.

HOW MUCH FUNDING IS NEEDED? \$636,531

PLEASANT RIDGE

WHAT IS THE PROJECT? Lead Water Service Lead Replacement

WHY IS IT NEEDED? Michigan mandated the replacement of all lead water infrastructure. The City has approximately 900-1,000 lead service needs.

HOW MUCH FUNDING IS NEEDED? \$8 million

WHAT IS THE PROJECT? Stormwater Infiltration

WHY IS IT NEEDED? Green infrastructure techniques that infiltrate some stormwater into the ground rather than into the combined sewer overflow system are needed. These will help address pollution control issues, prevent sewer backup and mitigate basement flooding events, such as those that occurred in August 2014.

HOW MUCH FUNDING IS NEEDED? \$1 million

WHAT IS THE PROJECT? Woodward Bicycle Infrastructure

WHY IS IT NEEDED? Pleasant Ridge and neighboring communities need bicycle infrastructure along Woodward. Walking and bicycling are proven economic development drivers. They also promote economic and ecological

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resiliency and sustainability and allow for more productive and sustainable communities.

HOW MUCH FUNDING IS NEEDED? \$1.5 million

ROYAL OAK

WHAT IS THE PROJECT? Environmental Improvements

WHY IS IT NEEDED? Storm water management infrastructure enhancements are needed in and along Woodward Ave. These include changes to MDOT-supported rights of way enhancements.

HOW MUCH FUNDING IS NEEDED? \$2.8 million

WHAT IS THE PROJECT? Woodward Ave. Beautification

WHY IS IT NEEDED? Beautification projects, including plantings and artwork, will complement environmental improvements.

HOW MUCH FUNDING IS NEEDED? \$3.5 million

WHAT IS THE PROJECT? Pedestrian Crossings

WHY IS IT NEEDED? Improvements to pedestrian crossings are needed at Washington Ave. to the Detroit Zoo, the I-696 Service Drive and the I-696 intersection.

HOW MUCH FUNDING IS NEEDED? \$12 million