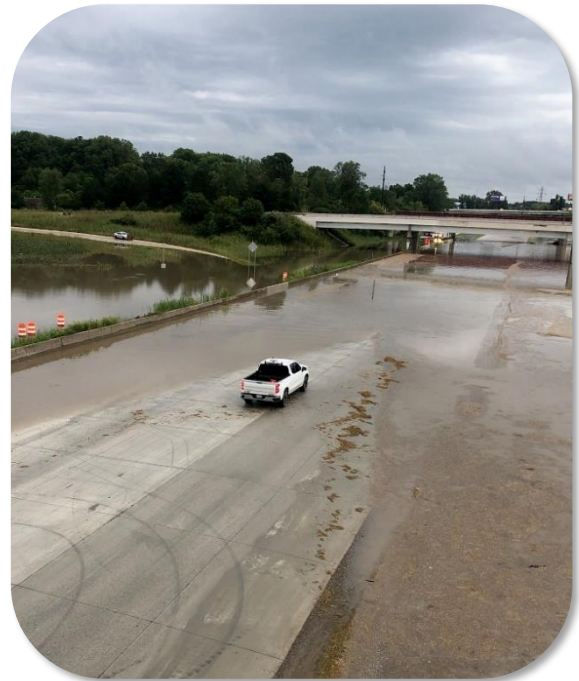


Southeast Michigan Regional Resiliency

As extreme weather events continue to impact Southeast Michigan, it is imperative that the region adopt **resilient strategies**. SEMCOG is working to identify strategies for building resilience through the region's transportation, water, and green infrastructure networks.

Extreme Weather

The region has already been impacted by numerous **extreme weather events**, causing flooding, basement backups, and sewage system overflows. These trends are expected to increase, both in frequency and intensity. The [Southeast Michigan Current and Future Precipitation](#) report summarizes that the trend for future **rainfall is increasing** as the region's aging and sometimes undersized stormwater management systems are increasingly inadequate to handle projected runoff. This means that addressing resiliency is a significant priority to continue to support public health and environmental quality.



Regional Resiliency Framework

SEMCOG is currently developing a Regional Resiliency Framework as a roadmap for climate resiliency work in the region. This work builds on the [Southeast Michigan GREEN Initiative](#), the [Southeast Michigan Flood Risk Tool](#), and the [Southeast Michigan Water Infrastructure Planning Guide](#), while also supporting and coordinating efforts from regional partners. The Framework scope of work will:

- Assess existing data and gaps for future data collection that inform risk components in the region's infrastructure systems,
- Summarize funding strategies and eligibility requirements for local agencies,
- Analyze a pilot subwatershed area for potential large-scale, nature-based solutions, building on the GREEN strategy.

This work is ongoing and will be completed in the spring of 2024.

Regional Resilience Improvement Plan

The Regional Resiliency Framework will set the stage for the Southeast Michigan Regional Resilience Improvement Plan, beginning in 2024. The Resilience Improvement Plan will create a region-wide approach to integrate resiliency elements into a plan that incorporates transportation, water infrastructure, nature-based solutions, and climate considerations.

The Resilience Improvement Plan will:

- Inventory the **stormwater infrastructure network** to provide more in-depth planning tools, with location condition, and capacity data.
- Integrate **equity considerations** for the Flood Risk Tool that analyzes the impacts of flooding on access to core services, like jobs, schools, and healthcare.
- Build on the **pilot-scale GREEN analysis** from the Regional Resiliency Framework to identify opportunities for large-scale, nature-based solutions throughout the entire 7-county region.
- Highlight projects across **transportation, environmental, water infrastructure, and private utility** sectors that address climate resiliency and stormwater management.
- Identify and prioritize **policies and actions** related to resiliency in the region.
- Align with the **State of Michigan's** Transportation Resilience Improvement Plan (TRIP).

A Resilience Improvement Plan—or Transportation Resilience Improvement Plan (TRIP)—is an opportunity to receive federal grant funding for resiliency planning and implementation projects. When community projects are incorporated into the State or SEMCOG TRIP, the federal match requirements are reduced. SEMCOG will be inviting stakeholder input on project inclusion for the TRIP.

Getting Involved

As part of the Resilience Improvement Plan process, SEMCOG will convene a **Resilience Task Force** to lead this initiative and engage regional partners in consensus building and decision-making. Task Force members will be appointed by the SEMCOG Chairperson and will include representatives from government, transportation, environmental sectors, and private utilities. The Task Force will convene in the spring of 2024 and will meet approximately six times over the two-year planning period. Stakeholders and knowledge experts in approximately eight focus group meetings will convene throughout the planning period as well.

More information will become available in 2024 as we begin this Resilience Improvement Planning process.

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