



Technical Advisory Committee

August 1, 2024



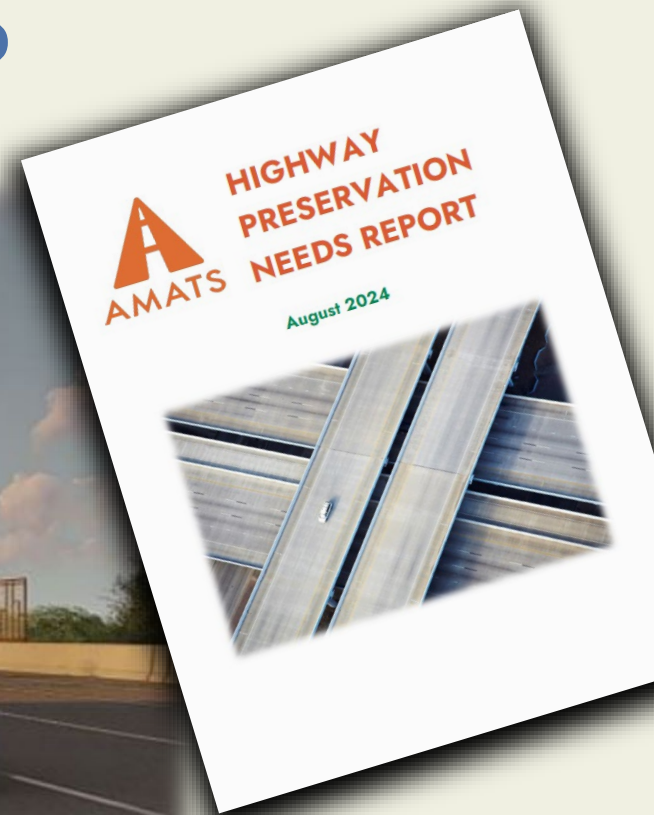


Highway Preservation Needs Report



Highlights

- Where we are—Areawide inventories and statistics
- What's changing—Changes to costs and assumptions
- Planning for needs—What it will take to keep up



Pavement Quality

- Stable/consistent year-to-year
- % of “Excellent Condition” roadways dipped

2019-2020 Average	67
2020-2021 Average	65
2021-2022 Average	68
2022-2023 Average	66
2023-2024 Average	67

Roadway Quality	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Excellent/Very good	22%	20%	25%	26%	16%
Good	29%	27%	28%	24%	28%
Fair	34%	35%	34%	33%	37%
Poor	13%	13%	11%	14%	17%
Very Poor/Fail	3%	5%	2%	4%	2%

Bridge Inventory

- Summit County has a large majority of area bridges and the regional deck area
- >20' bridges in poor condition = 55
 - Number increasing (41 in 2019)

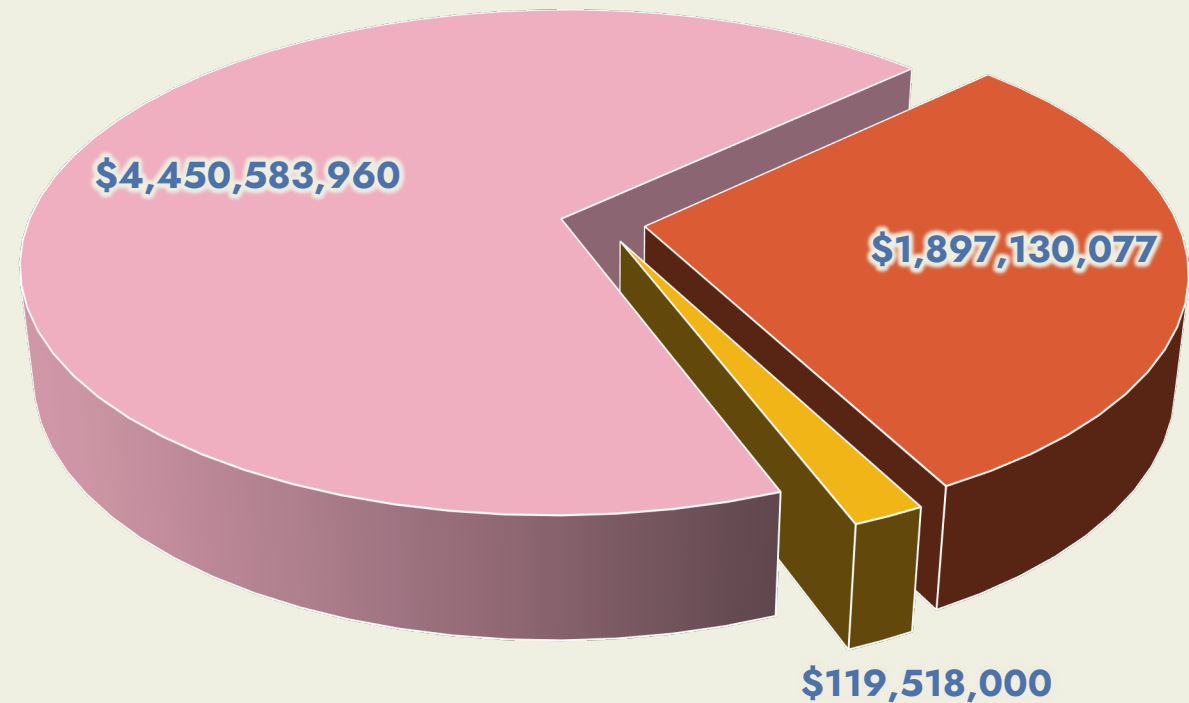
Bridge Type	Number of Bridges	Deck Area (sq ft)
Portage County		
Bridges under 20 ft	124	63,235
Railroad bridges (20+ ft)	4	17,557
Army bridge (20+ ft)	1	4,640
Turnpike Bridges (20+ feet)	27	301,552
Remaining Bridges (20+ ft)	207	978,028
Summit County		
Bridges under 20 ft	194	109,677
Railroad bridges (20+ ft)	24	107,078
Private bridges (20+ ft)	10	18,288
Turnpike Bridges (20+ feet)	23	753,702
Remaining Bridges (20+ ft)	614	6,040,489
Wayne County		
Bridges under 20 ft	22	10,873
Railroad bridges (20+ ft)	0	0
Remaining Bridges (20+ ft)	76	226,028
Totals:	1,326	8,631,147

* Includes non-private pedestrian and bicycle bridges

Preservation Costs Up Significantly

- \$6.86b to preserve roads and bridges
 - 71% higher than in 2019 report
 - Despite right-sizing our assumptions

Estimated System Preservation Costs



■ Bridge Preservation ■ Pavement Resurfacing ■ Pavement Replacement

Changes to Assumptions

- Pavement Cycles: 10 years to 13-20 years (depending on class of roadway)
- Pavement Replacement: 5% of roadways to 2%
- Cost estimates would have been up 81% if not for these changes



Pavement Resurfacing Costs

- 51.9% Increase from 2019 Estimate

Road Description (Federal Functional Class)	Length (in miles)	Number of Lane Miles	Number of Resurfacings	Cost per Lane Mile	Total Cost
Interstates/Expressways	139	657	2.08	\$490,000	\$668,623,846
Ohio Turnpike	34	204	2.08	\$490,000	\$207,609,231
Principal & Minor Arterials	548	1,554	1.80	\$240,000	\$671,328,000
Major Collectors	547	1,165	1.35	\$220,000	\$346,005,000
Minor Urban Collectors	6	12	1.35	\$220,000	\$3,564,000
Pavement Resurfacing	1,274	3,592			\$1,897,130,077

Pavement Replacement Costs

- 26.8% decrease from 2019 Estimate
 - Result of 5% to 2% assumption change

Road Description (Federal Functional Class)	Length (in miles)	Number of Lane Miles	Lane Miles Replaced	Cost per Lane Mile	Total Cost
Interstates/Expressways	139	657	13.14	\$2,500,000	\$32,850,000
Ohio Turnpike	34	204	4.08	\$2,500,000	\$10,200,000
Principal & Minor Arterials	548	1,554	31.08	\$1,400,000	\$43,512,000
Major Collectors	547	1,165	23.30	\$1,400,000	\$32,620,000
Minor Urban Collector	6	12	0.24	\$1,400,000	\$336,000
Pavement Replacement	1,274	3,592	71.84		\$119,518,000

Bridge Preservation Costs

- 87.8% Increase from 2019 Estimate
- Many bridges are nearing the end of their useful life

State of Preservation	Serviced Deck Area (sq. ft.)	Unit Cost (per sq.ft.)	Total Cost
Painting Steel Structure	13,182,034	\$60	\$790,922,040
Deck Overlay	13,182,034	\$80	\$1,054,562,720
Deck Replacement	4,481,891	\$300	\$1,344,567,300
Superstructure Replacement	2,801,182	\$450	\$1,260,531,900
Bridge Preservation			\$4,450,583,960

Summary

- Nearly \$7b (in 2024 dollars) estimated to be needed to preserve the federally funded-eligible highway system to an acceptable level over the next 27 years
- Primarily due to dramatic increase in construction costs
- Input into upcoming Outlook 2050.





Technical Advisory Committee

August 1, 2024





DRAFT

2050 Planning Data Forecast

Technical Advisory Committee & Policy Committee Presentation



2050 Planning Data Forecast

- Forecast serves two purposes
 - To develop traffic zone demographic data for ODOT's Statewide Model
 - To inform Transportation Outlook 2050, which will be completed in May 2025



2050 Planning Data Forecast

- By ODOT Agreement, MPOs must use ODOD Projections in Model Forecast, but are free to use own forecast for other planning purposes
- ODOD scenario projects region to lose 14.9 percent of population
- ODOD attributes population decline to fertility rate (1.7 birthrate), mortality (increased 15 percent), slow migration (65,000 net positive statewide in-migration in the last decade)
- In 2020, Ohio's deaths outnumbered births for first time



2050 Planning Data Forecast

- Current Trends scenario relies on past U.S. Census Data to forecast future trends
- The last 20 years of data have shown the region to maintain a stable population
- This forecast does not account for births, deaths or migration data
- AMATS will focus on this scenario for the development of Transportation Outlook 2050



Demographic Scenarios

ODOD Based Forecast

	BASE YEAR 2020	BASE YEAR 2050	% Change
Population	720,087	612,750	-14.9%
Households	304,094	274,482	-9.7%
Population Under 18	146,339	124,664	-14.8%
Vehicles	538,456	486,949	-9.6%
Workers	356,805	303,822	-14.8%

Current Trends Forecast

	BASE YEAR 2020	BASE YEAR 2050	% Change
Population	720,087	722,064	0.3%
Households	304,094	322,855	6.2%
Population Under 18	146,339	146,584	0.2%
Vehicles	538,456	571,355	6.1%
Workers	356,805	357,941	0.3%



Demographic Scenarios Portage County

ODOD Based Forecast

	BASE YEAR 2020	BASE YEAR 2050	% Change
Population	161,184	143,049	-11.3%
Households	66,010	63,535	-3.7%
Population Under 18	29,903	26,654	-10.9%
Vehicles	122,108	117,175	-4.0%
Workers	82,205	72,773	-11.5%

Current Trends Forecast

	BASE YEAR 2020	BASE YEAR 2050	% Change
Population	161,184	165,567	2.7%
Households	66,010	73,078	10.7%
Population Under 18	29,903	30,647	2.5%
Vehicles	122,108	134,205	9.9%
Workers	82,205	84,173	2.4%



Demographic Scenarios Summit County

ODOD Based Forecast

	BASE YEAR 2020	BASE YEAR 2050	% Change
Population	540,094	452,427	-16.2%
Households	230,380	203,087	-11.8%
Population Under 18	112,408	94,314	-16.1%
Vehicles	400,141	353,159	-11.7%
Workers	265,592	222,750	-16.1%

Current Trends Forecast

	BASE YEAR 2020	BASE YEAR 2050	% Change
Population	540,094	537,173	-0.5%
Households	230,380	240,988	4.6%
Population Under 18	112,408	111,804	-0.5%
Vehicles	400,141	418,561	4.6%
Workers	265,592	264,490	-0.4%



Conclusion

- AMATS staff believes the two-scenario approach is necessary considering ODOT/MPO requirements
- The Current Trends Scenario is consistent with past Planning Data Forecast results
- Final approval will be requested in September








Technical Advisory Committee












August 1, 2024



2024 Transit Plan

Transit Plan Goals and Strategies Matrix

 = Collaboration Goal  = Funding Goal  = Service Goal

Strategy	Implementation		Additional Notes
	Lead	Support	
Goal # 1: Invest in programs supporting transit goals  <p><i>Transit agencies provide a level of service that supports the needs of the area and to invest in opportunities that promote a safe, sustainable and equitable transit system.</i></p>			
Pursue available Local, State and Federal funding programs that support transit operations and projects.	METRO, PARTA	AMATS	More information on specific programs can be found in the <i>Implementation</i> section of this chapter.
Goal # 2: Invest in sustainable fleet and operations   <p><i>Transit agencies make sound decisions and create a visible opportunity to lead by example.</i></p>			
Pursue and ensure a sustainable fleet and maintain a state of good repair to preserve the investment in transit and maintain sustainability of thier service.	METRO, PARTA		Invest in updating fleet and meeting FTA Transit Asset Management Targets as well as investing in preventative maintenance practices ("fix it first" philosophy) to maintain a state of good repair for all vehicles.
Goal # 3: Integrate transit into regional transportation projects   <p><i>Creating a robust public transportation network becomes a primary consideration of many roadway improvement projects.</i></p>			
Work with local communities to discuss integration in roadway projects with a transit add on component like a bus shelter or enhanced waiting environments.	METRO, PARTA, AMATS	Community Officials, AMATS	Transit authorities and local officials can have a shared understanding of projects before plans are made, allowing them to maximize potential for transit improvements when necessary.
Goal # 4: Ensure that transit is an intergal component of land use planning efforts   <p><i>Sound land-use decisions and future development can impove the public transportation network, and quality transit services can allow development to occur more responsibly.</i></p>			
Partner with economic development agencies and local officials when conversations about business attraction and expansion occur.	Community Officials, Econ. Dev. Agencies, METRO, PARTA		It is important to locate jobs-especially when employees us transit-in areas where service exists or can be provided. Having transit agencies involved in regional employment conversations helps inform the planning process.
Communicate the benefits of increasing the transit footprint and the positive effect this can have on the region and quality of life for transit users.	METRO, PARTA	Community Officials, AMATS	Building partnerships between transit agencies and community officials will help to build trust and a stronger public transit network.
Continue to explore the feasibility of and pursue Bus Rapid Transit (BRT) in the City of Akron and surrounding municipalities.	METRO	Akron , C. Falls, Barberton, Fair-lawn, Green, Springfield, AMATS	Once METRO and its partners decide on final alternatives (several potential routes have been studied in-depth), partners can negotiate how local shares of BRT development will be paid. Partners can then pursue FTA's Small Starts funding.
Explore opportunities for Transit-Oriented Development (TOD)	METRO, possibly PARTA	Private developers, Community officials, CDCs/NDCs	METRO is exploring TOD near their RKP Transit Center, south of downtown Akron. Other possible locations include Akron's Middlebury Neighborhood and the Arlington Rd. corridor. Downtown Kent has seen significant TOD over the past 15 years.
Goal # 5: Optimize transit service   <p><i>Transit agencies adapt to the inevitable and continuous changes occurring in communities.</i></p>			
Study current service and conduct service optimization every 5-10 years to adjust to new travel patterns.	METRO, PARTA	AMATS	METRO recently completed (2023) the Reimagine METRO redesign; PARTA intends to take a comprehensive look at route optimization in 2025. AMATS can assist as needed by analyzing demographic and employment data.
Examine potential coverage to peripheral locations.	METRO, PARTA		Demand for expansion into exurban communities exists, but can be difficult to justify because of total ridership and mileage.
Continue to invest in new technologies that improve the ridership expearence and efficiency of operations.	METRO, PARTA		Various technologies, such as scheduling software for service or personell, can assist transit agencies by making operations more efficient. PARTA recently invested in ITS improvements.
Goal # 6: Increase sidewalk access to bus stops and shelters   <p><i>The transportation system safely accomodates all people, regardless of their mode of transport.</i></p>			
Apply for funding opportunities to create or improve infrastructure for pedestrians and bicyclists, ensuring safe access to and from transit stops.	Local Communities	AMATS, METRO, PARTA	Quality pedestrian access from homes, places of employment, medical facilities, and stores to transit stops is essential for safety, but it also allows transit to become a more viable mode of transportation for more people.



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Website Overview

amatsplanning.org

August 2024

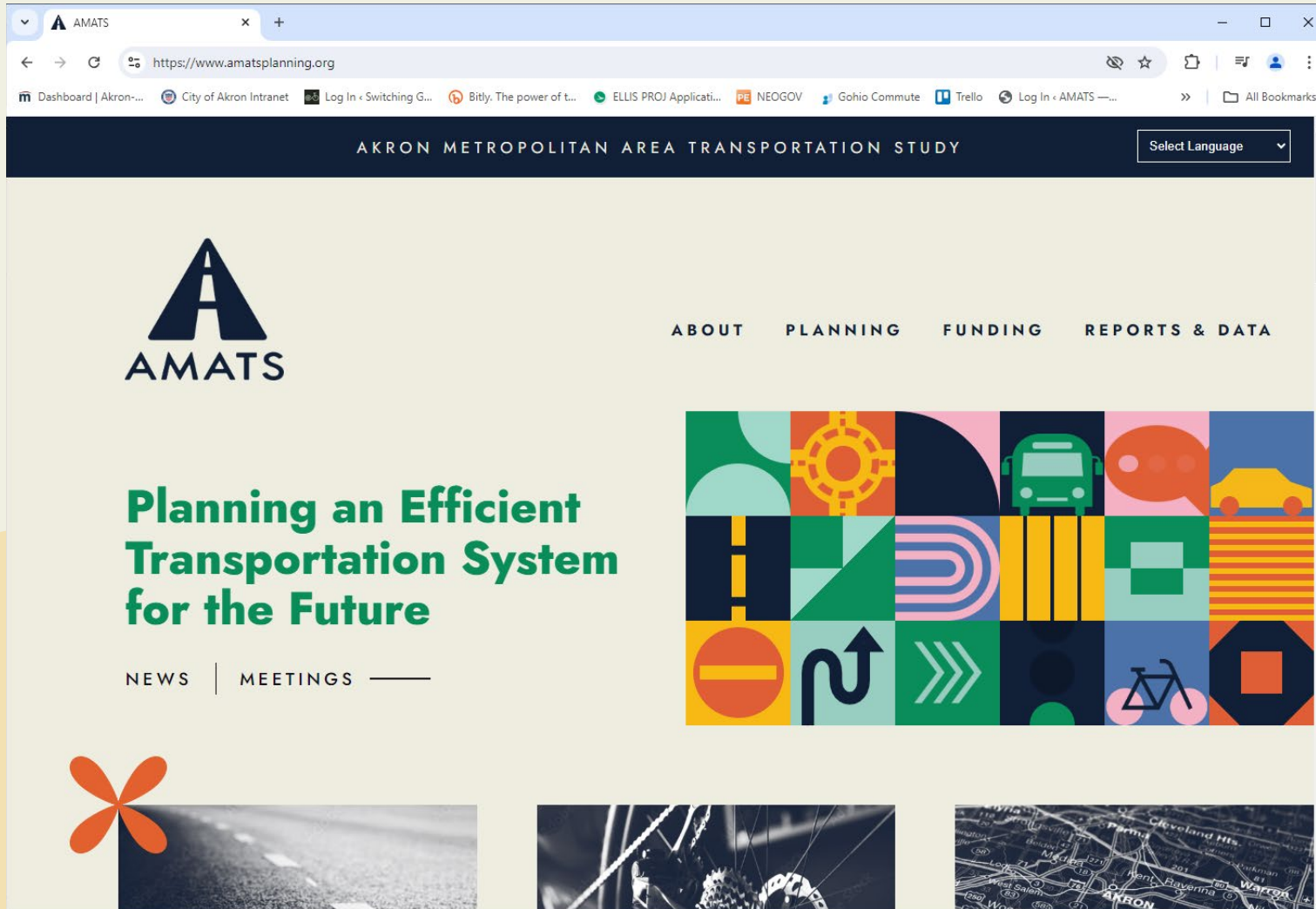


Background

- AMATS hired Triad Communications June 2023
 - Goals
 - Better Functionality/Ease of Use
 - Fresh Look
 - New Logo?
- Officially launched June 5, 2024



Home Page



- Prioritize Access to:
 - Meeting information
 - News Stories
 - Reports
 - Interactive Maps
 - Interactive TIP





Planning an Efficient Transportation System for the Future.

[NEWS](#) | [MEETINGS](#) —



Connecting Communities



Bike-N-Brainstorm



Safe Streets for All



Connecting Communities

Creating more vibrant livable communities through the integration of transportation and land use planning in the greater Akron area.

[LEARN MORE](#)



Bike-N-Brainstorm

Bike-N-Brainstorm serves as a tool for public outreach by engaging bicyclists in a chosen bike route to improve biking conditions in a local community.

[LEARN MORE](#)



Safe Streets for All

A program that focuses on preventing fatalities and serious injuries on America's roadways. Report and interactive web map now available.

[LEARN MORE](#)

Our Focus



Bicycle Planning



Environmental Impact



Pedestrian Planning



Land Use



Bicycle Planning

Environmental Impact

Pedestrian Planning

Land Use



NEWS

Leap Day Look Back

The 2023 AMATS Annual Report was released by the agency Feb. 29 – Leap Day! The report highlights the agency's...

FULL STORY | [VIEW ALL](#) —





UPCOMING MEETINGS

05|09 Technical Advisory Committee

05|09 Citizens Involvement Committee

05|16 Policy Committee

[MORE MEETINGS](#)

[ARCHIVE](#)

Get Involved

Weigh in directly on transportation-related matters and freely discuss issues with AMATS staff members and other players in the region's planning process.

[LEARN MORE](#)

[CIVIL RIGHTS PLAN](#)



Since 1962, AMATS has provided quality planning for an effective and efficient transportation system in the Greater Akron area.

[OUR HISTORY](#)

DATA

[MAPS & REPORTS](#)

[PAVEMENT DATA](#)

[TRAFFIC CRASH DATA](#)

[WEBMAPS](#)



05|09 Citizens Involvement Committee

05|16 Policy Committee

[MORE MEETINGS](#)

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Meetings

- Three places on Home page
- Upcoming Meetings
 - Meeting Info
 - Meeting Packets
- Past Meeting Materials

Upcoming Meetings | AMATS

https://www.amatsplanning.org/meetings

Upcoming Meetings

Public involvement is a vital component in transportation planning. Public participation provides citizens access to the decision making process as well as a way to voice ideas and needs.

08|01 Technical Advisory Committee

- ✕ [View Info](#)
- ✕ [August Meeting Packet](#)

08|01 Citizens Involvement Committee

- ✕ [View Info](#)

[DOWNLOAD CALENDAR \(PDF\)](#)

[PAST MEETING MATERIALS](#)

[GET INVOLVED](#)

Meetings

- Meeting Information

- Date
- Time
- Location
- Meeting Packet

The screenshot shows a web browser window with the URL <https://www.amatsplanning.org/meetings#meeting-info>. The page lists upcoming meetings with a callout box for the August 8th meeting.

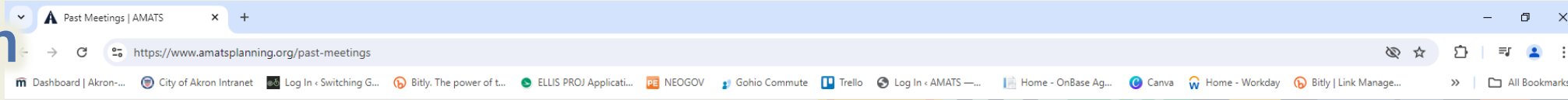
Date	Committee
08 01	Citizens Involvement Committee
08 08	Policy Committee
09 02	Labor Day – AMATS Office Closed
09 19	Technical Advisory Committee

Callout Box Content:

- POLICY COMMITTEE**
- 08|08**
- 1:30 pm - 3:00 pm
- The Venue Banquets 10 Tallmadge Circle
Tallmadge, OH 44278 United States
- AUGUST MEETING PACKET**
- [Close This Message](#)

Past Meetings

- Access from Upcoming Meetings page or click on “Archive” on the Home page
- Past Meeting Packets
- Meeting Recordings



05|16 Policy Committee

X [May Meeting Packet](#)

X [May Meeting Recording](#)

05|09 Citizens Involvement Committee

X [May Meeting Packet](#)

X [May Meeting Recording](#)

05|09 Technical Advisory Committee

[REPORTS, MAPS & DATA](#)

[TRAFFIC COUNTS MAP](#)

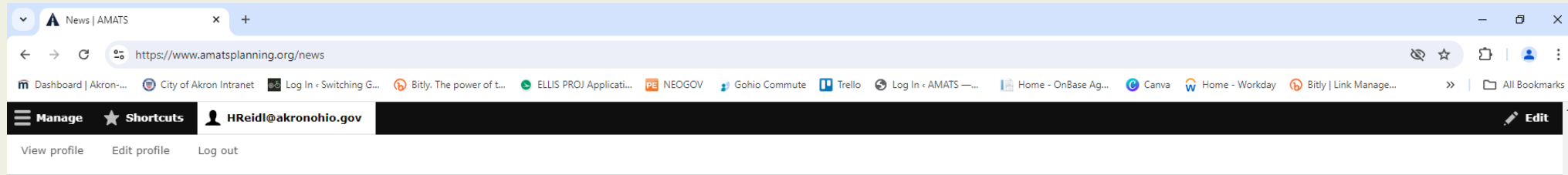
[PAVEMENT DATA MAP](#)

[CONGESTED LOCATIONS MAP](#)

[SS4A MAP](#)

News

- Three places on Home page
- Current Press releases
- Previous news stories



News

Get the latest news, updates and press.



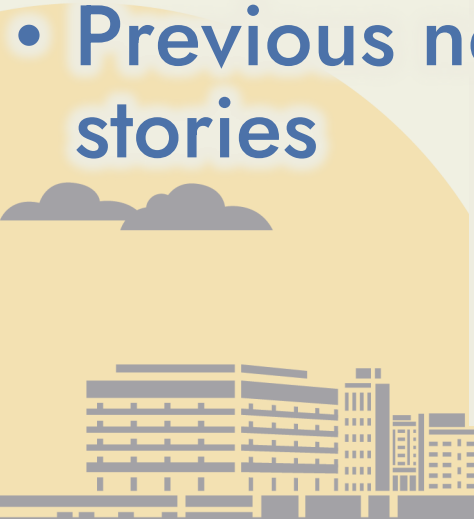
[View](#) [Edit](#) [Revisions](#)

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Annual Meeting Sponsorships Now Available!

AMATS Annual Meeting is taking place this year on October 11, 2024 at the Sheraton Suites in Cuyahoga Falls. Although registration will not be open until September 3, AMATS...



View Edit Delete Revisions

+ [Facebook] [Twitter] [LinkedIn] SHARE THIS

AMATS Annual Meeting is taking place this year on October 11, 2024 at the Sheraton Suites in Cuyahoga Falls. Although registration will not be open until September 3, AMATS staff is looking for sponsors for this great event!

The \$500 Sponsorship includes:

- A 6-foot display table
- Two complimentary registrations
- Your logo on all meeting materials, such as the agenda and email blasts;
- Your company name mentioned in the opening remarks

Sponsors who commit by **August 23, 2024** will be included in the initial registration email blasts. The final date to commit to sponsoring this event and being included in meeting materials is **September 20, 2024.**

Interested? Contact [Heather Davis Reidl](#) at 330-375-2436 ext. 4434 to secure your sponsorship.

ABOUT

AMATS is focused on planning an efficient transportation system for the future, and receives over \$15 million dollars a year to invest in the region's transportation infrastructure.

[LEARN MORE](#)

[VIEW ALL NEWS](#)

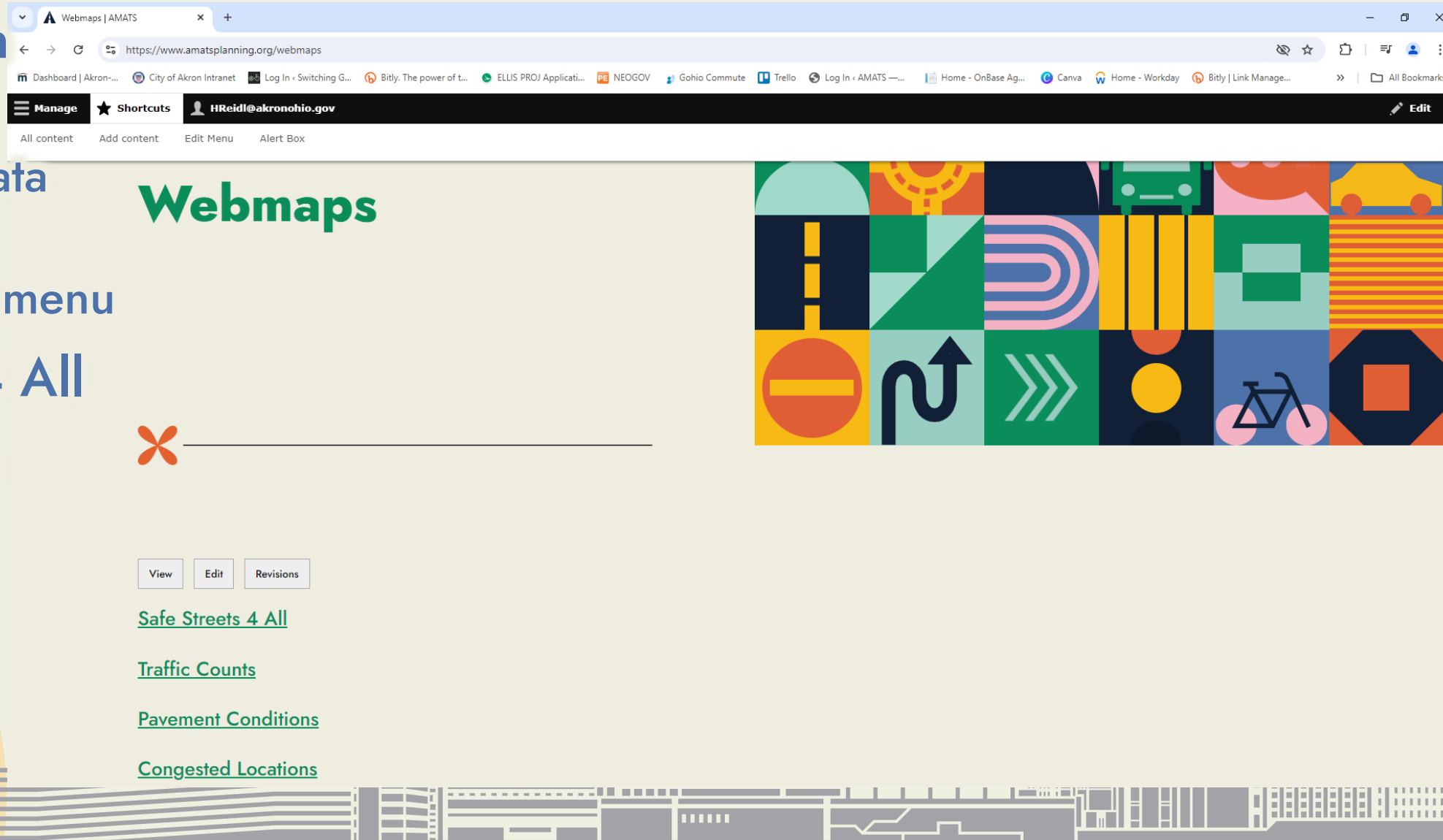
Reports, Maps & Data

- Under Reports & Data dropdown from ANY page
- All Reports
- Search option
- Sorting option
 - Connecting Communities
 - TIP
 - Traffic
 - Etc.

The screenshot shows a web browser window with the URL <https://www.amatsplanning.org/reports-maps-data>. The page features a header with the title "Reports, Maps & Data" and a decorative graphic of colorful icons representing various transportation and planning concepts. Below the header is a search bar and a "Categories" dropdown menu set to "- Any -". The main content area lists several reports and maps, including "2045 External Station Forecast", "2045 Planning Data Forecast", "A – Air Quality Conformity Analysis 2045", "Transportation Outlook 2045", and "Transportation Outlook 2045 Recommendations". On the right side, there is a vertical list of links: "REPORTS, MAPS & DATA", "TRAFFIC COUNTS MAP", "PAVEMENT DATA MAP", "CONGESTED LOCATIONS MAP", and "SS4A MAP". At the bottom right, there is a dark blue button labeled "GET INVOLVED".

Interactive Maps

- Two places on Home page:
 - Reports & Data dropdown
 - Bottom Data menu
- Safe Streets 4 All
- Traffic Counts
- Pavement Conditions
- Congested Locations



Interactive TIP

- Under Funding dropdown as “TIP Project Listing”

- Search by:

- PID
- Community
- Funding Source
- Roadway name

The current TIP includes projects from Fiscal Year 2024 to 2027.

The fiscal year begins every year on July 1st and ends June 30. For example, the 2024 Fiscal Year began in July of 2023. Project funding abbreviations are defined [here](#).

✕ Transportation Improvement Program FY 2024-2027

IR 76 AKRON	PID# 100713
Improvements to increase capacity and improve safety including structural rehabilitation and noise walls on the kenmore leg	\$143,913,188 — Total Project Cost
▼ MORE INFO	
SR 21 CHIPPEWA TWP	PID# 101439
Resurfacing, bridge maintenance, drainage & culvert replacement, and safety improvements at clinton rd, edwards rd, and grill rd from summit county line to north of wayne county line	\$40,796,386 — Total Project Cost
▼ MORE INFO	



Thanks for attending!

- Questions?
 - Please contact Heather Reidl
 - hreidl@akronohio.gov
 - 330-375-2436 ext. 4434





Technical Advisory Committee

August 1, 2024

