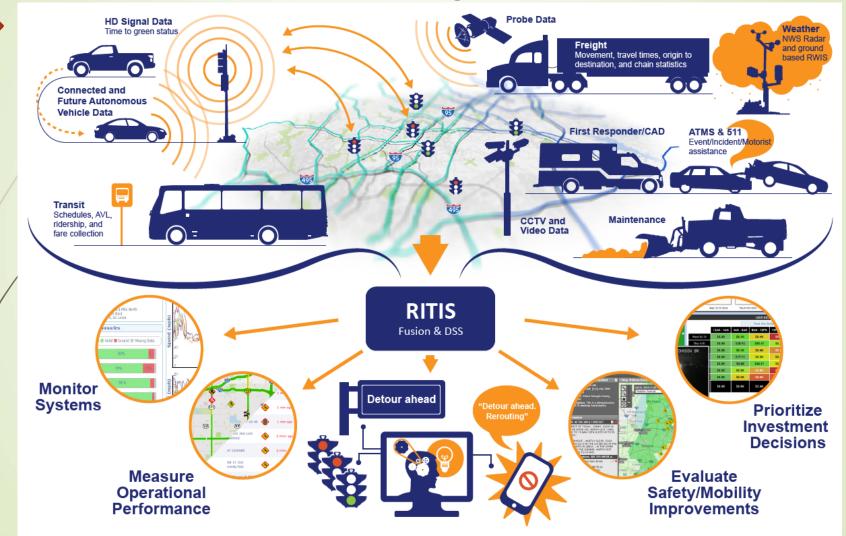
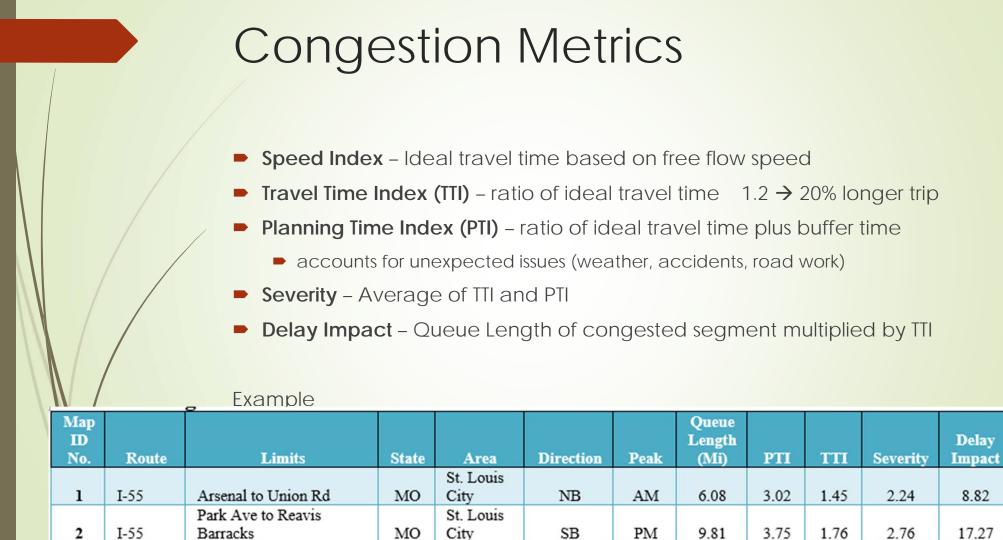


Background

- A Congestion Management Process (CMP) is required in large metropolitan areas.
- This report identifies and measures regional congestion.
- Goals:
 - Identify regional congestion.
 - Present implemented congestion management strategies.
 - Engage partners in determining solutions.

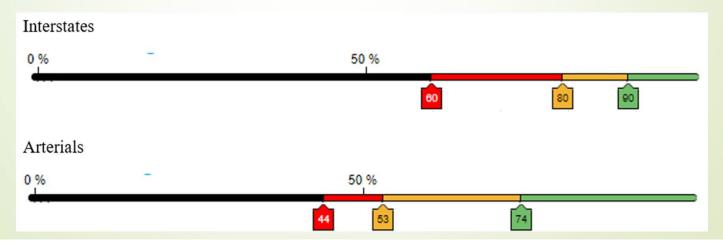
National Performance Management Research Data Set





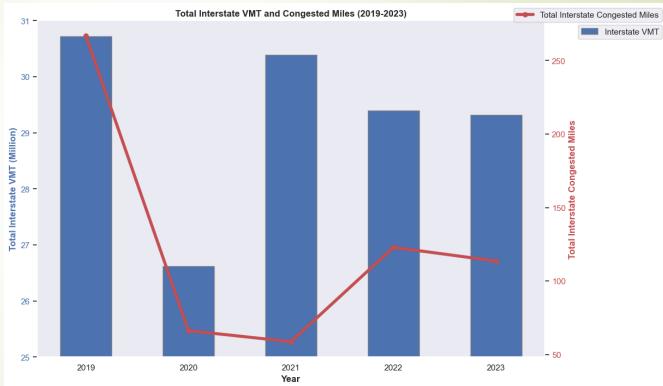
Selecting Congested Locations

- Examined National Highway System Roads
- Used HERE congestion scans and speed index from 2023
- Analyzed every weekday during the peak times
 - 6-9 AM
 - 3-6 PM
- These Speed Index thresholds used to identify congested locations



2023 Interstate Analysis





Fewer but more severe locations

Major Impacts: Work Zones 2023

- I-55 Bridge Rehab both directions (I-55/I-44 Split to Bayless Avenue)
 Rehab of 14 bridges. Regular lane shifts and ramp closures. 2 lanes taken in both directions.
- I-44 EB Bridge Rehab (Lewis Rd near Eureka)

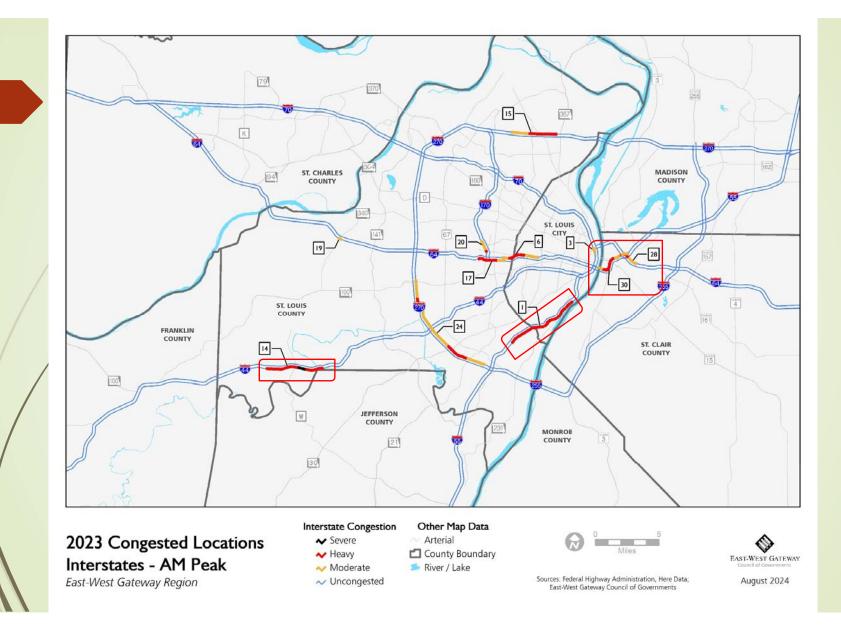
One lane taken, 3.26-mile average bottleneck.

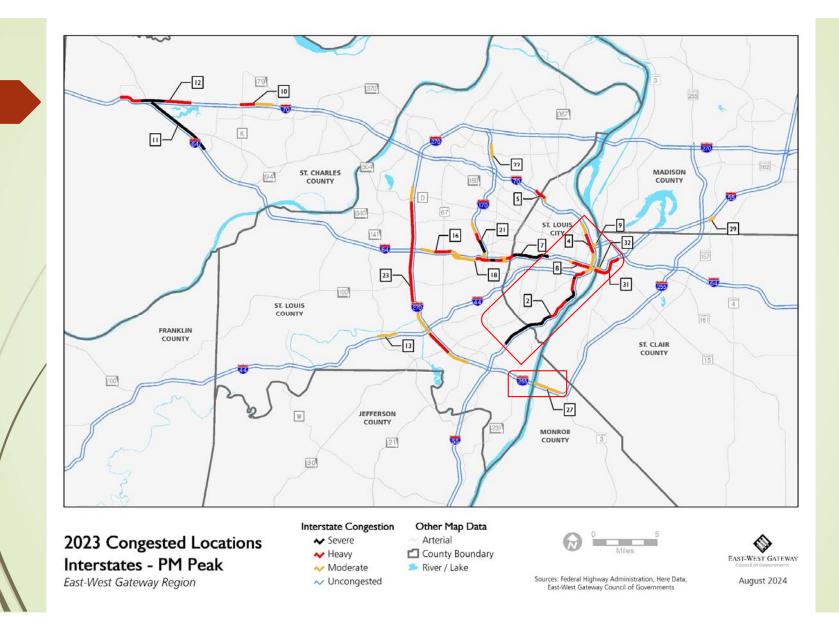
I-55/I-64 Bridge Rehab (Poplar St Bridge / East St. Louis)

Repair and Painting. Regular lane shifts and closures. 2.11-mile average bottleneck.

I-255 Jefferson Barracks Bridge (Into and out of Missouri)

Full closure of WB bridge, traffic shifted to east side, narrowed lanes



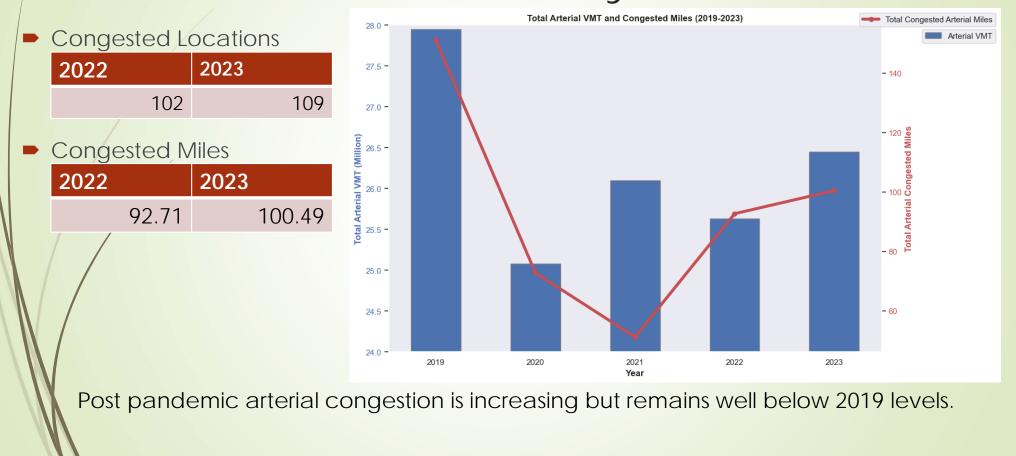


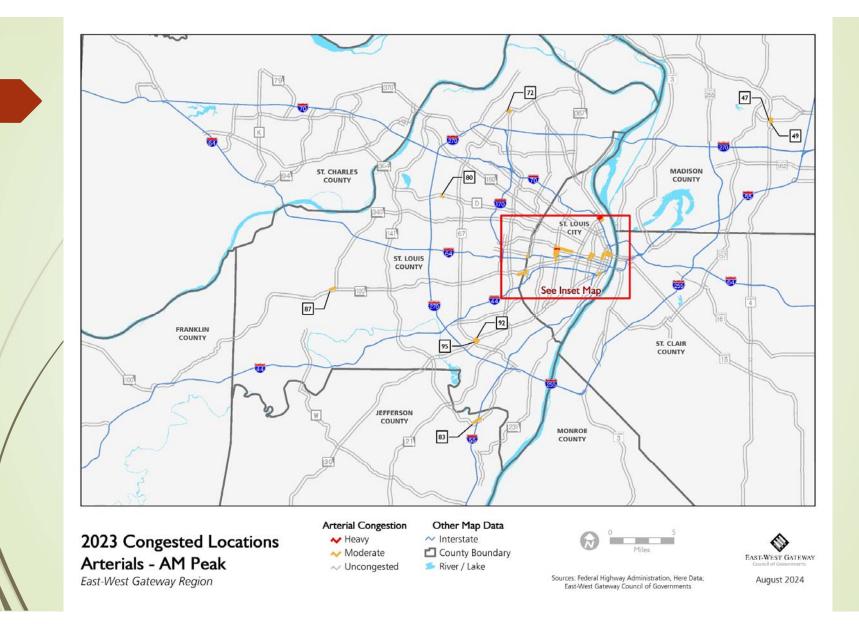
Recurring Congestion

- I-64 and I-70 St. Charles PM
- I-270 NB AM and SB PM
- I-64 and I-170 AM and PM
 EB and WB, STL city and county



2023 Arterial Analysis





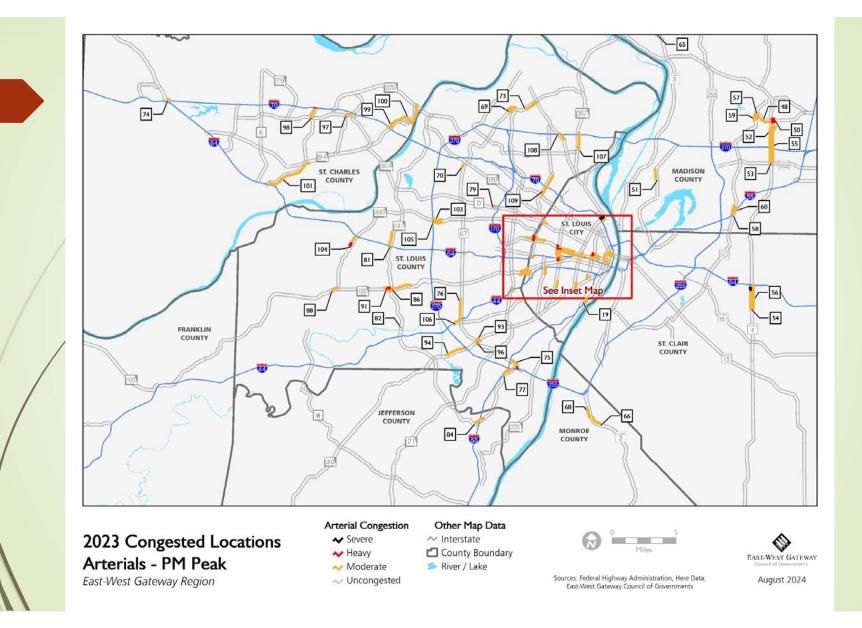


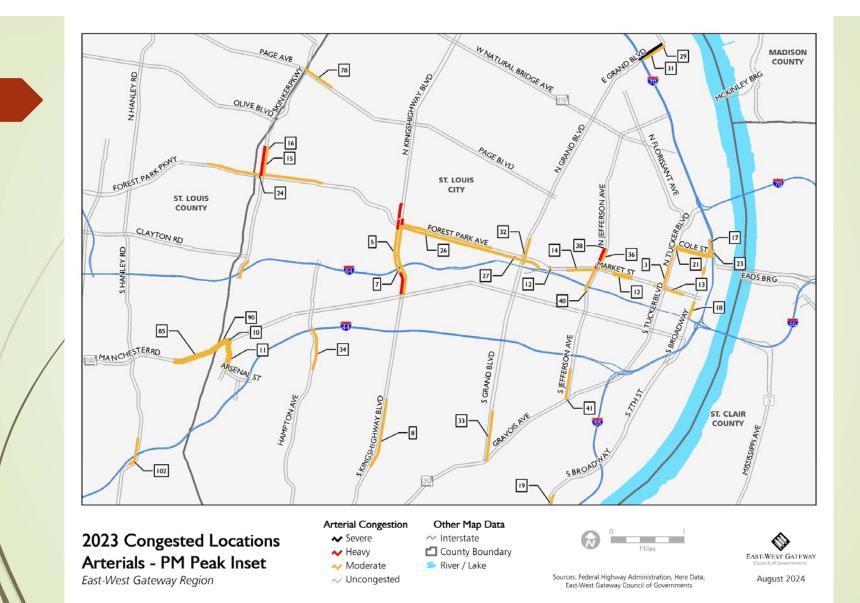
August 2024

East-West Gateway Region

~ Uncongested

Sources: Federal Highway Administration, Here Data; East-West Gateway Council of Governments

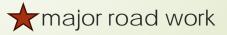




10 Most Severe Locations 2023

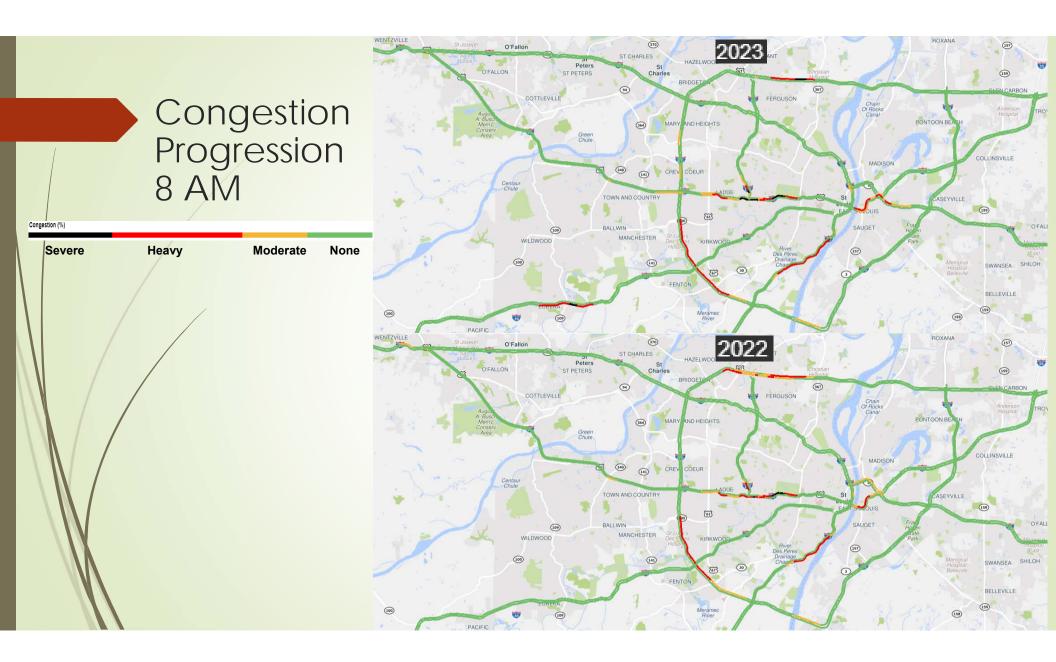
	Rank	Route	Limits	State	Area	Direction	Peak	Severity	
	1	I-64	MO-N to I-70	MO	St. Charles	WB	PM	2.95	
	2	I-55	Park Ave to Reavis Barracks	МО	St. Louis City	SB	PM	2.76	\bigstar
	3	I-64	S Kingshighway to Big Bend Blvd	МО	St. Louis City	WB	PM	2.60	
/	4	I-44	Lewis Rd to MO-109	МО	St. Louis County	EB	AM	2.51	\star
	5	I-270	Old Halls Ferry Rd to N Elizabeth Ave		St. Louis County	WB	AM	2.39	
	6	 I-55	Arsenal to Union Rd		St. Louis City	NB	AM	2.24	\star
	7	I-170	Delmar Blvd to I-64		St. Louis County	SB	PM	2.10	
	8	I-70	MO-A to Pearce Blvd		St. Charles	WB	PM	2.06	
	9	I-64	Big Bend Blvd to I-170		St. Louis County	EB	AM	2.04	
	10	I-64	Hampton Ave to Big Bend Blvd		St. Louis City	WB	AM	2.04	

Red \rightarrow also in the 2022 top 10



10 Most Delayed Locations 2023

	Rank	Route	Limits	State	County	Direction	Peak	Queue Length (Mi)	Delay Impact	
	1	I-270	Page Ave to Tesson Ferry	МО	St. Louis County	SB	PM	15.75	21.26	
	2	I-55	Park Ave to Reavis Barracks	МО	St. Louis City	SB	PM	9.81	17.27	\star
	3	I-270	Tesson Ferry to Manchester Rd	МО	St. Louis County	NB	AM	9.58	11.88	
	4	I-64	MO-N to I-70	МО	St. Charles	WB	PM	5.59	10.34	
	5	I-55	Arsenal to Union Rd	МО	St. Louis City	NB	AM	6.08	8.82	\star
	6	I-70	MO-A to Pearce Blvd	МО	St. Charles	WB	PM	5.69	8.36	
	7	I-55	MO-Z to McNutt St	МО	Jefferson	SB	PM	6.46	7.62	
	8	I-64	S Kingshighway to Big Bend Blvd	МО	St. Louis City	WB	PM	3.93	7.47	
	9	I-44	Lewis Rd to MO-109	МО	St. Louis County	EB	AM	4.64	6.77	\star
	10	I-64	Bellevue Ave to 40 Dr	МО	St. Louis County	EB	PM	4.34	5.99	
Red \rightarrow also in 2022 top 10 \bigstar major road work										





Key Takeaways

- VMT and congestion remain much lower than 2019 prepandemic levels as the public has adapted with remote work, school, and online shopping.
- In 2023, interstates had fewer but more severe and longer delays.
- Arterials experienced more congestion in 2023.

Report available

https://www.ewgateway.org/transportation-planning/transportationsystems-management-operations/congestion-management-process/

Thanks for your ideas and strategies to reduce congestion in our region.



Any questions? cmp@ewgateway.org