



# Key Bridge Collapse

Traffic Impacts in the Baltimore Region through August 31<sup>st</sup> 2024



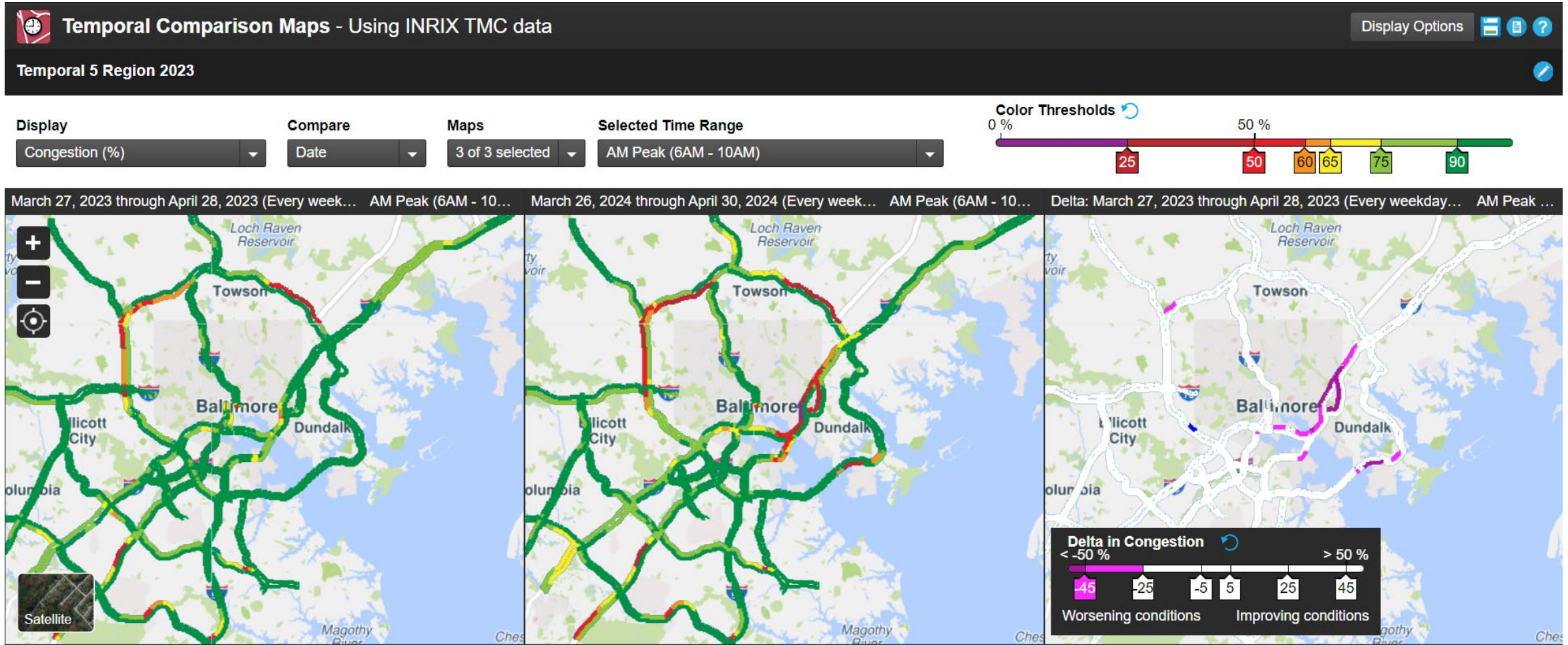
# TRAFFIC AND TRANSPORTATION

- FSK Averaged 34,000 crossings per day (4,000 commercial)
  - 39,000 weekday
  - 20,400 weekend
- Harbor Tunnel and Fort McHenry Tunnel average 198,000 crossings combined
  - Harbor Tunnel: 81,000 weekday, 71,300 weekend
  - FMT: 128,300 weekday, 99,600 weekend
- HAZ-MATS must find a new route (+/- 1,200 trucks daily)

# Methodology

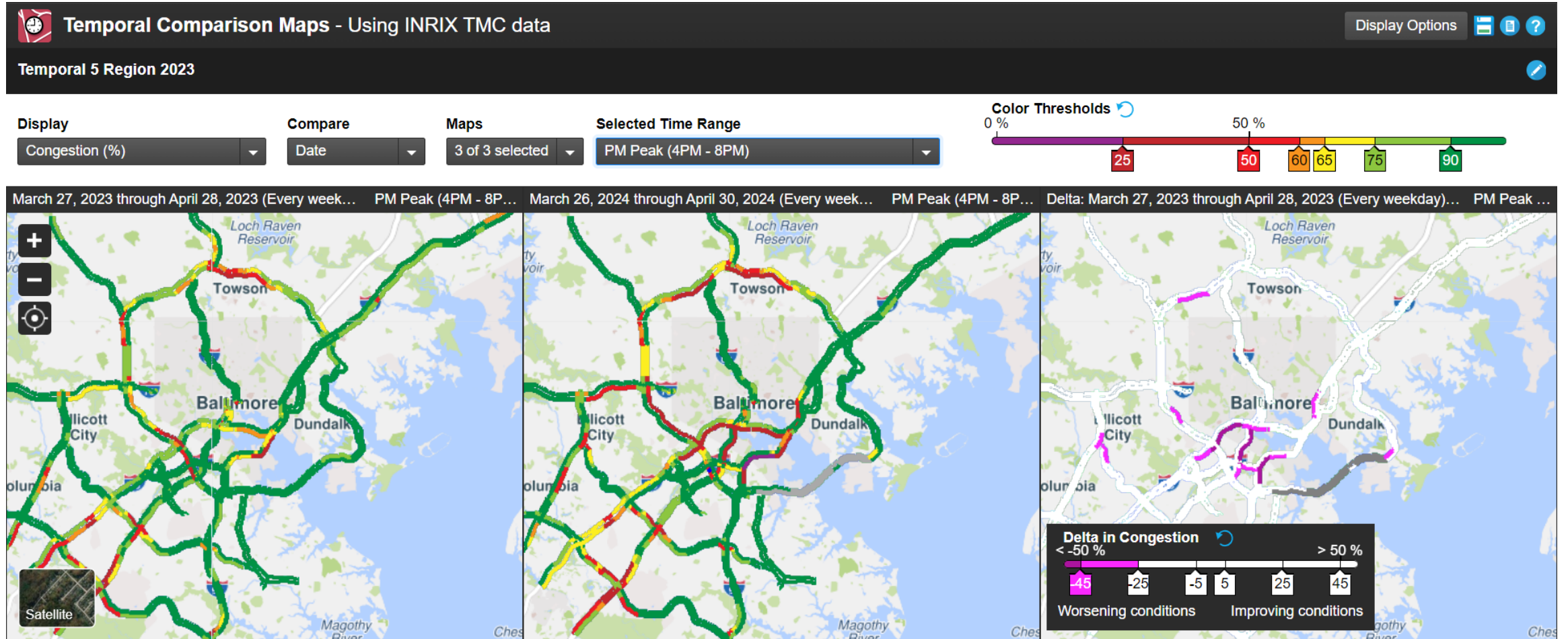
- **Event Date: March 26th**
- **Baseline Data: 2023 weekdays**
- **Analysis: 2024 August**
- **Extent: Observed hot spot areas with Congestion Percentage below 75%**  
(Congestion % = Percentage of Free Flow Speed)

# Increased Congestion Segments AM Peak





# Increased Congestion Segments PM Peak

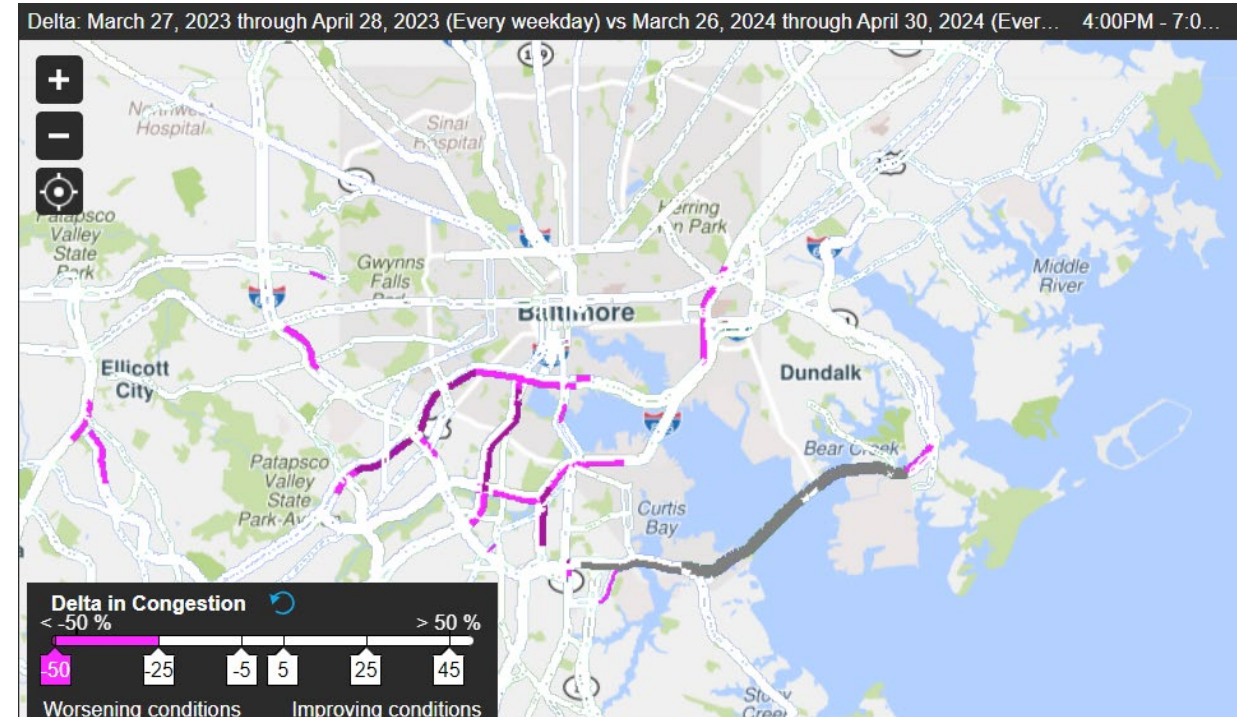
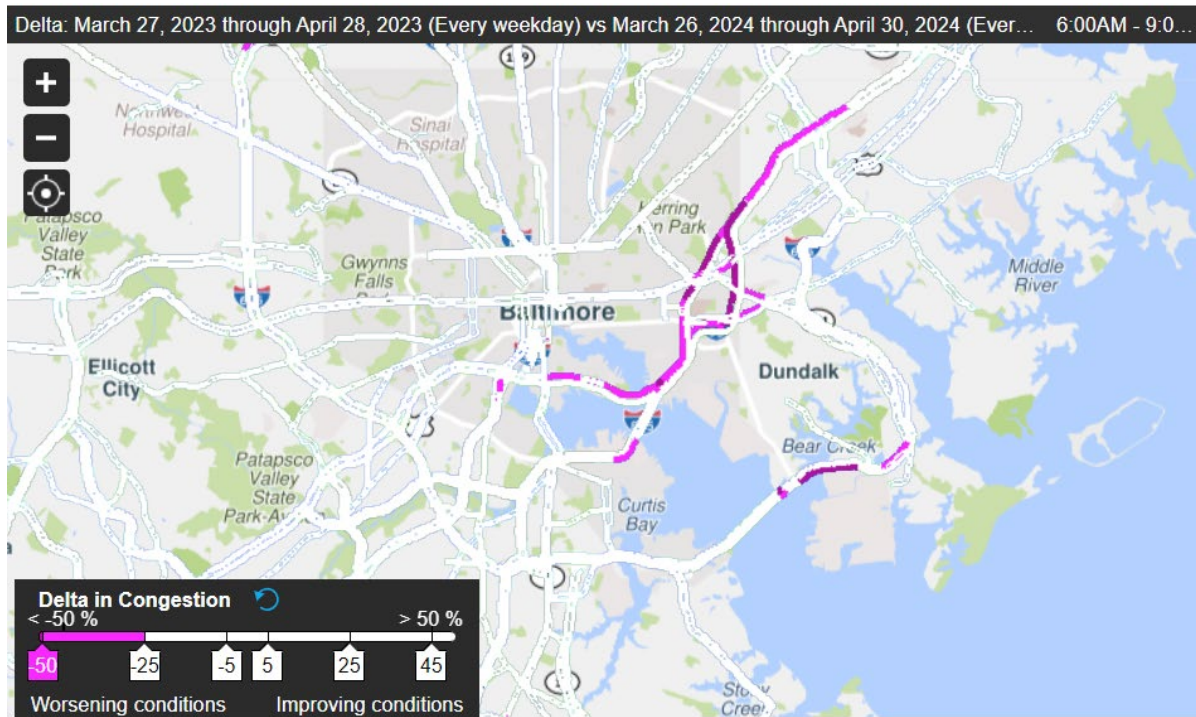


# Increased Congestion Segments – Post Collapse

Segments flagged with speeds worsening by 25% or more since FSK collapse

6-9 AM

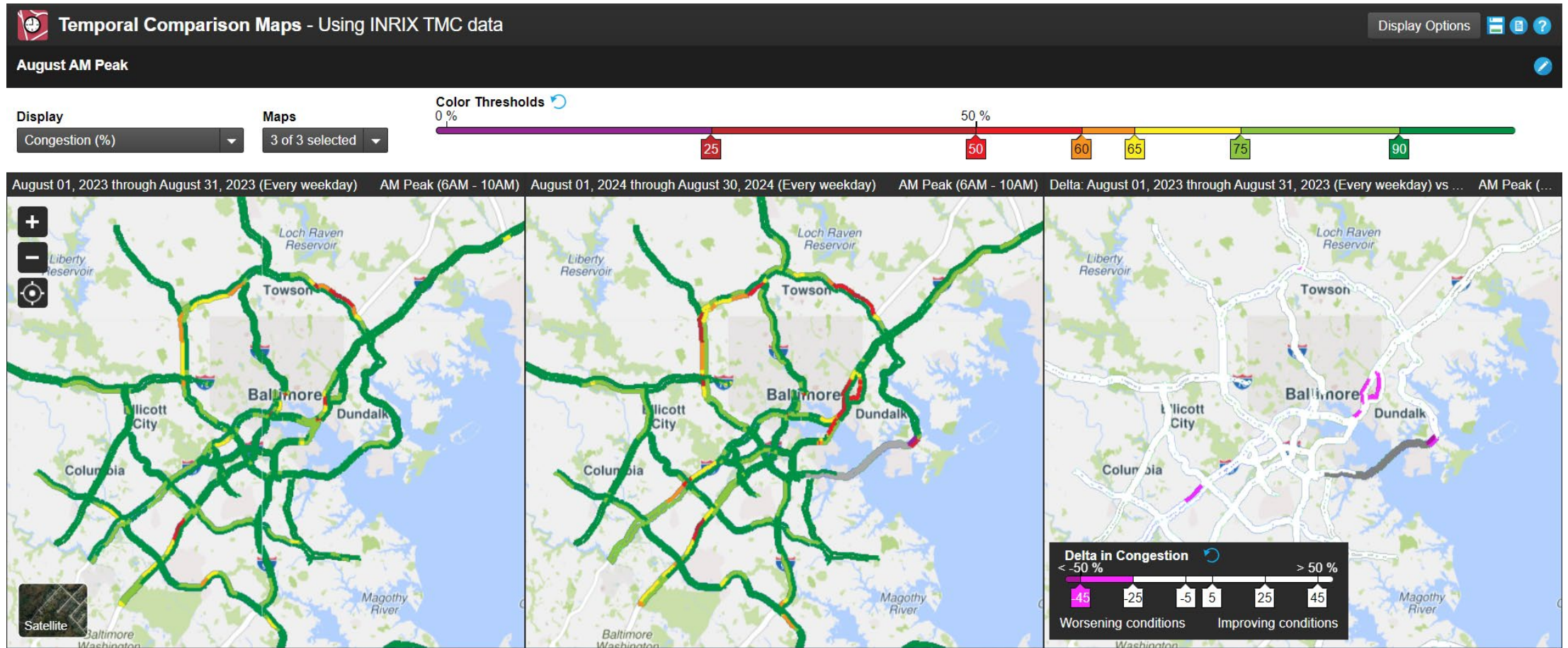
4-7 PM



# Key Bridge Travel Time Analysis – August 2024

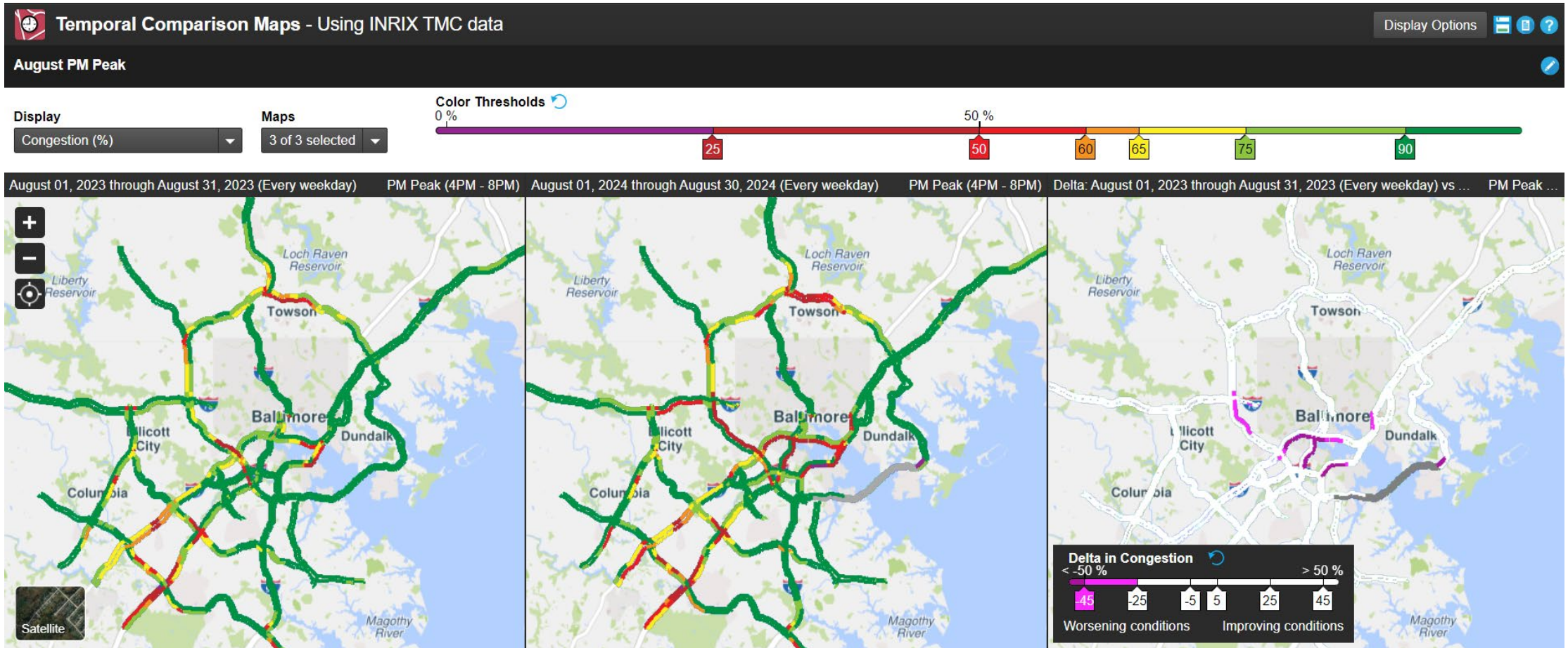


# Increased Congestion Segments AM Peak





# Increased Congestion Segments PM Peak



# August 2023/2024 Average Travel Time Comparisons Weekdays

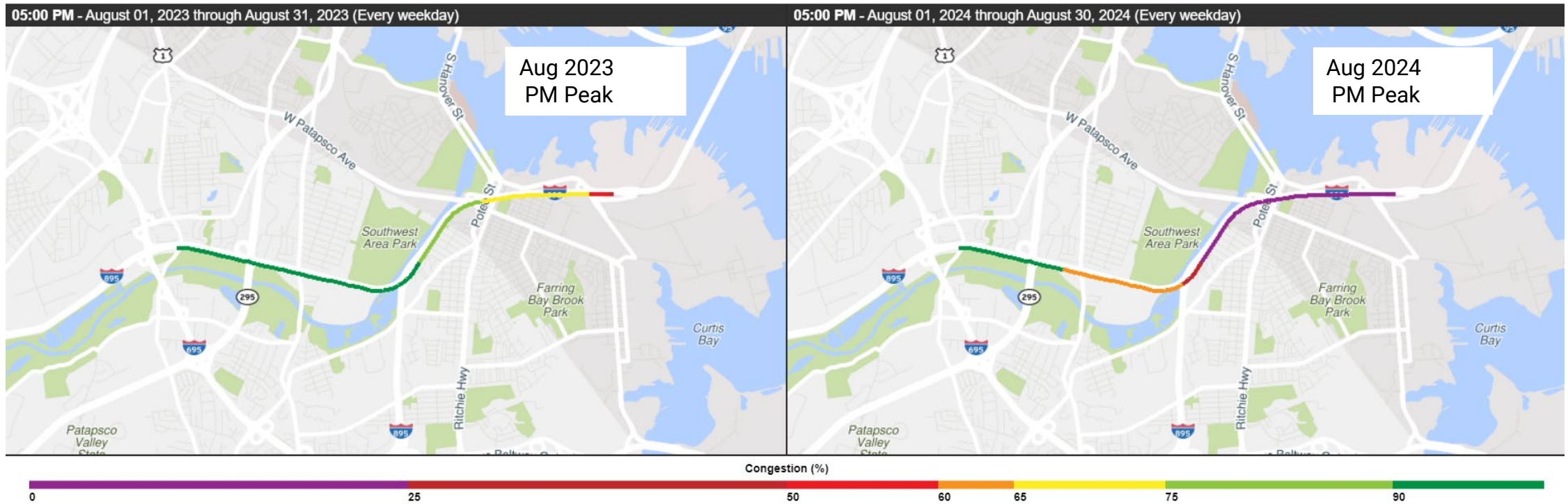
FSK Bridge Travel Times Before and After Collapse

Route	Segments	AM PM Peak	Length in Miles	Avg TT Aug-23	Avg TT Aug-24	% Change Aug 2023 to 2024	% Change July 2024 to Aug 2024
KB1	I-895 NB from MD-295 to Harbor Tunnel Toll Plaza	PM (4-7 PM)	4.35	4.63	13.44	190%	1%
KB2	I-895 Spur NB from MD-2/Ritchie Hwy to I-895 Merge	PM (4-7 PM)	2.74	2.98	3.79	27%	13%
KB3	I-95 NB from I-895/Exit 46 to Fort McHenry Tunnel	PM (4-7 PM)	10.00	13.16	23.67	80%	5%
KB4	I-895 SB from I-95/Exit 62 to Harbor Tunnel Toll Plaza	AM (6-9 AM)	6.87	10.13	15.05	49%	9%
KB5	I-95 SB from I-895 split to Fort McHenry Tunnel	AM (6-9 AM)	8.43	10.45	14.21	36%	4%
KB6	MD-295 NB from Patapsco Ave to Bayard St	PM (4-7 PM)	1.75	3.17	6.43	103%	10%
KB7	I-695 IL from Park Heights Ave to Greenspring Ave	PM (4-7 PM)	2.19	2.45	3.10	27%	5%
KB8	MD-150/Eastern Blvd WB from MD-151/North Pont Blvd to Kane St	AM (6-9 AM)	1.10	2.96	3.16	7%	3%
KB9	MD-2/Ritchie Hwy NB from MD-710 to MD-171	PM (4-7 PM)	1.69	3.96	4.87	23%	7%
KB10	I-695 OL from Reisterstown Rd to I-795	AM (6-9 AM)	2.16	2.77	3.78	36%	13%
KB11	Hanover Street NB (I-895 to Cromwell)	PM (4-7 PM)	1.47	3.04	3.42	13%	3%
KB12	US-40/Pulaski Hwy WB from City Line to N Haven St	AM (6-9 AM)	1.97	4.00	4.31	8%	4%
KB13	I-895 SB from I-95/Exit 62 to Harbor Tunnel Toll Plaza	PM (4-7 PM)	6.87	9.36	12.83	37%	4%
KB14	I-395 SB to I-95 NB (East Pratt to I-95)	PM (4-7 PM)	1.62	3.21	3.80	18%	4%
KB15	MLK Blvd SB from W Baltimore St to I-395	PM (4-7 PM)	0.83	1.98	2.33	18%	2%
KB16	I-395 SB to I-95 SB (East Pratt to I-95)	PM (4-7 PM)	1.50	2.85	2.92	2%	4%

**AVG TT** minutes  
 Percent increase in Travel Time  
 Percent decrease in Travel time

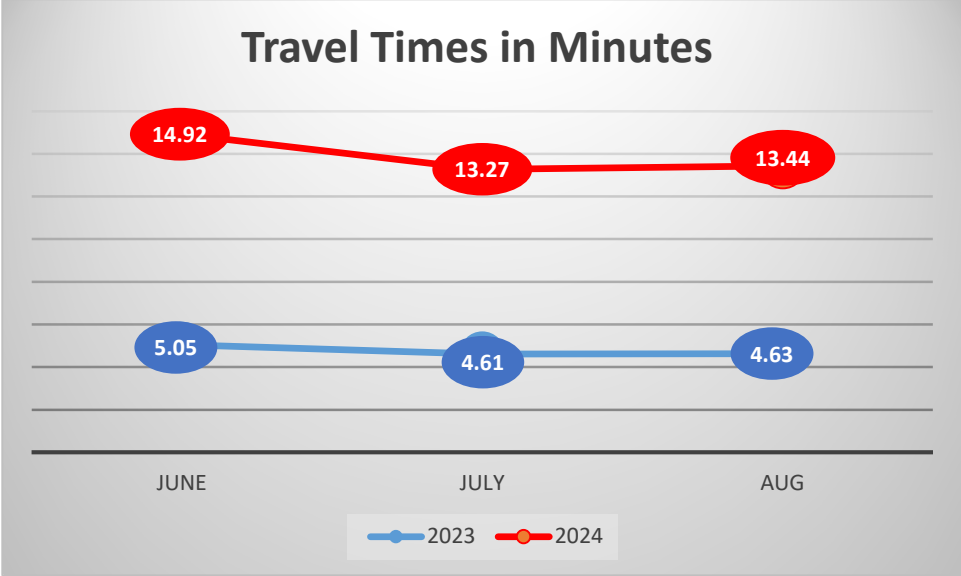
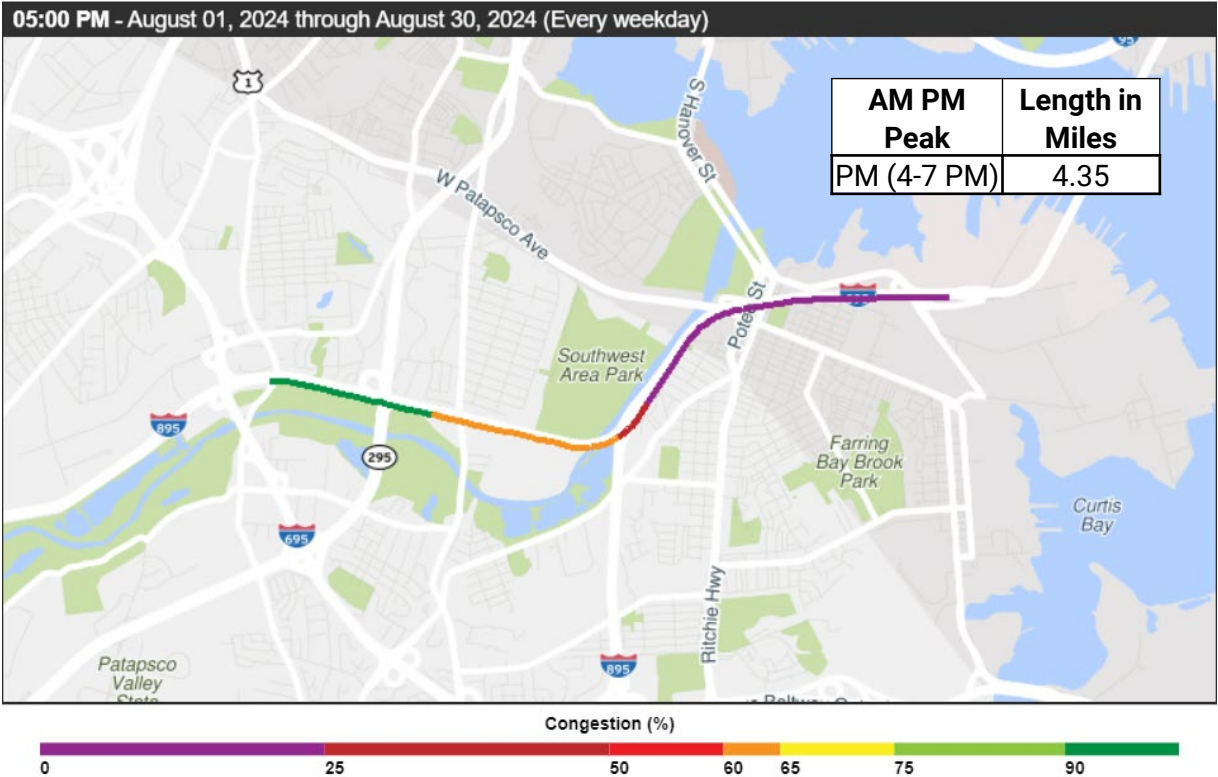
# KB1 - I-895 NB from MD-295 to Harbor Tunnel Toll Plaza

Congestion Percentage = % of Free Flow Speed





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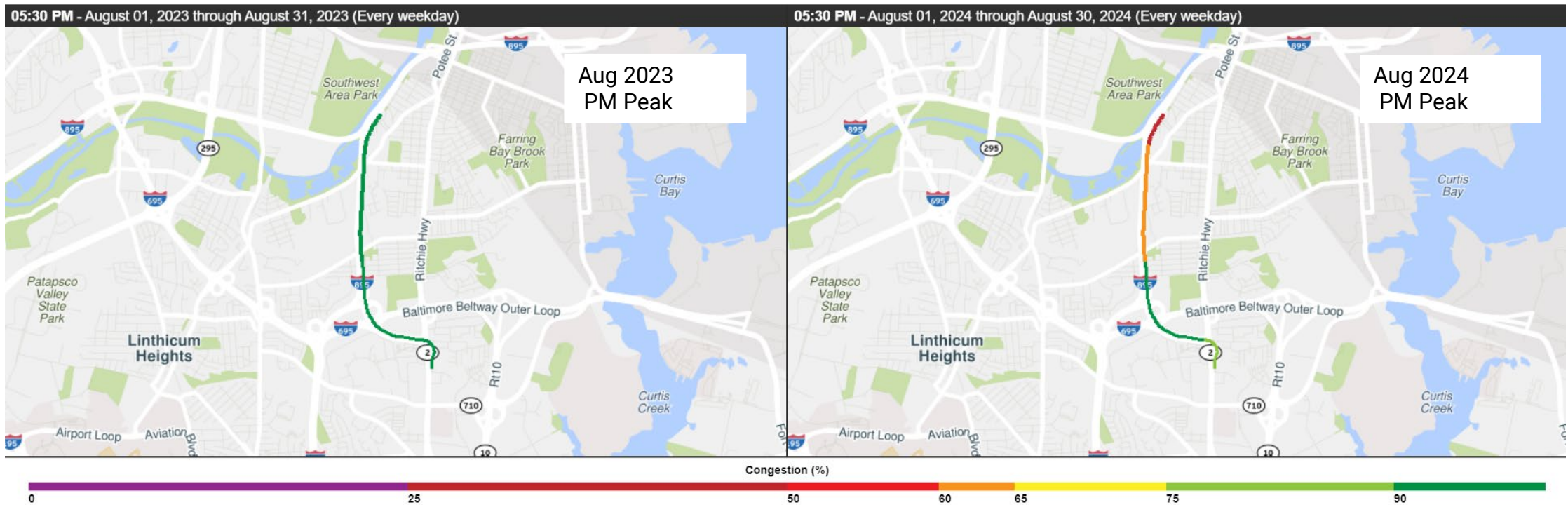


% Change Aug 2023 to 2024	% Change From Previous Month
190%	1%

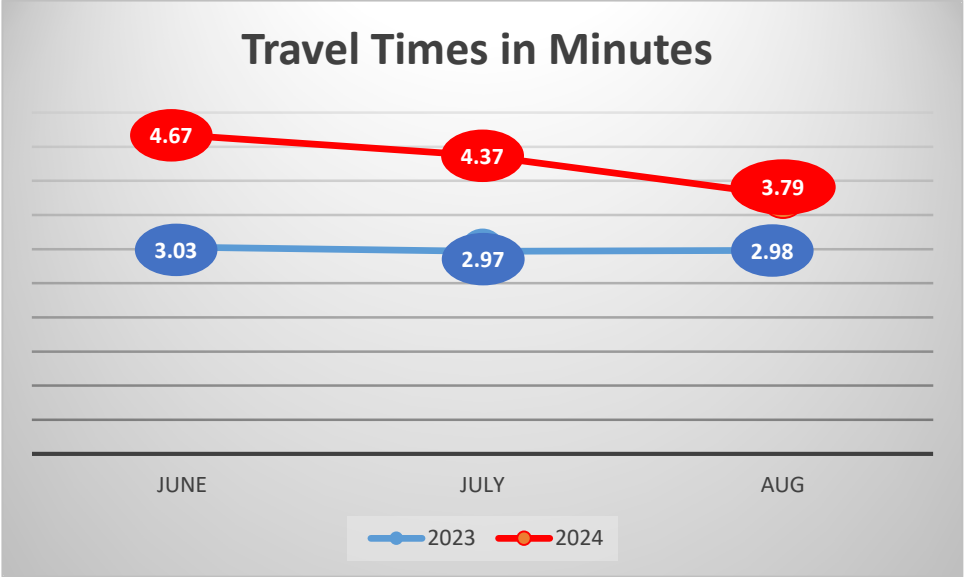
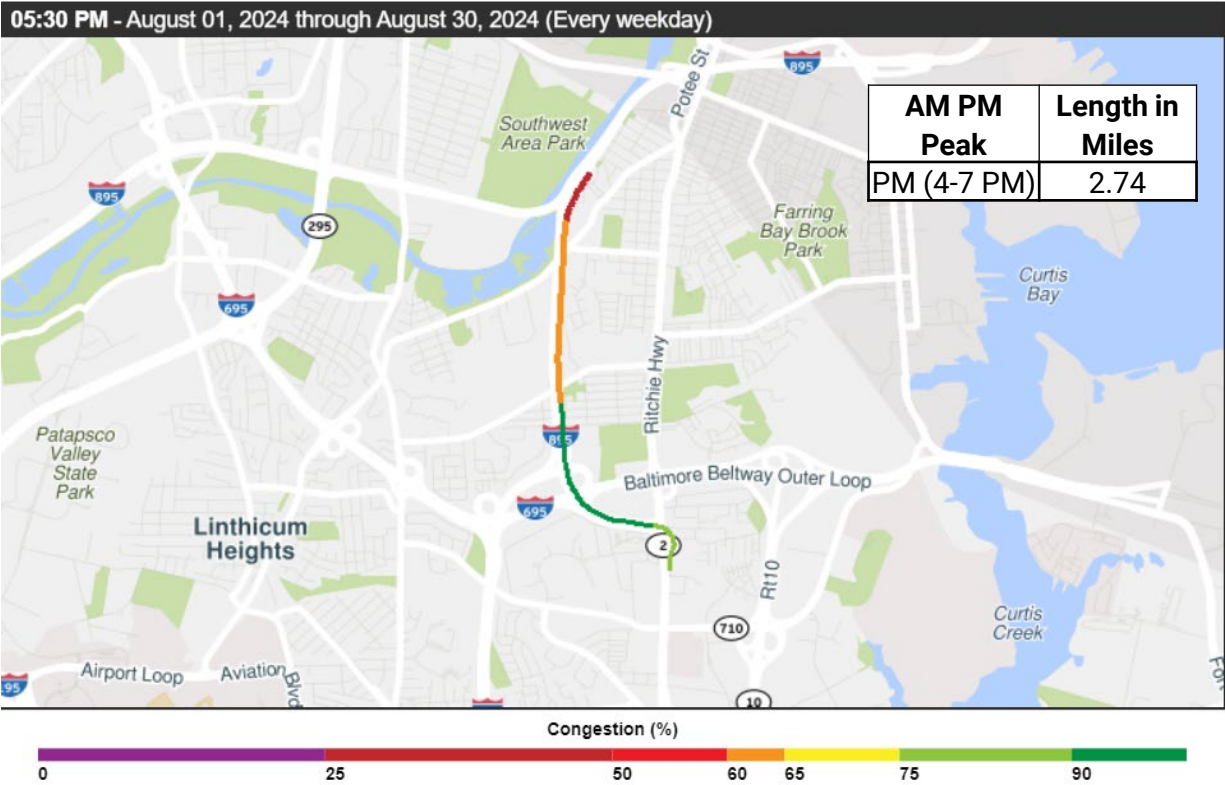
Congestion Percentage = % of Free Flow Speed

# KB2 - I-895 Spur NB from MD-2/Ritchie Hwy to I-895 Merge

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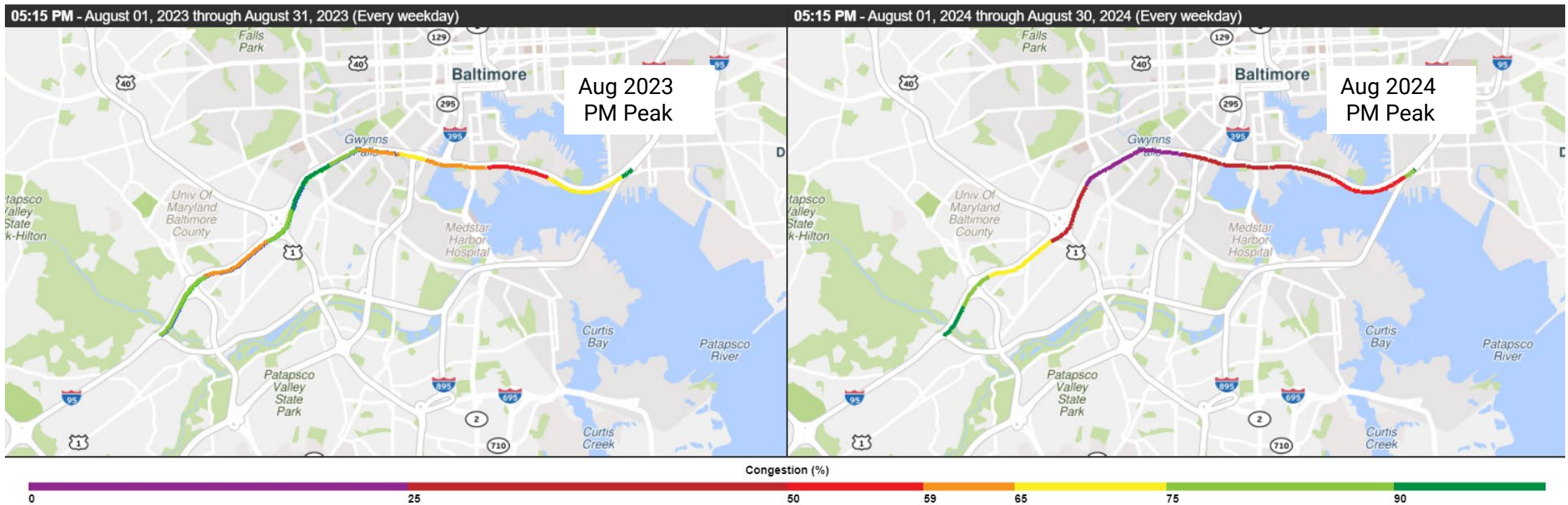
% Change Aug 2023 to 2024	% Change From Previous Month
27%	13%

Congestion Percentage = % of Free Flow Speed

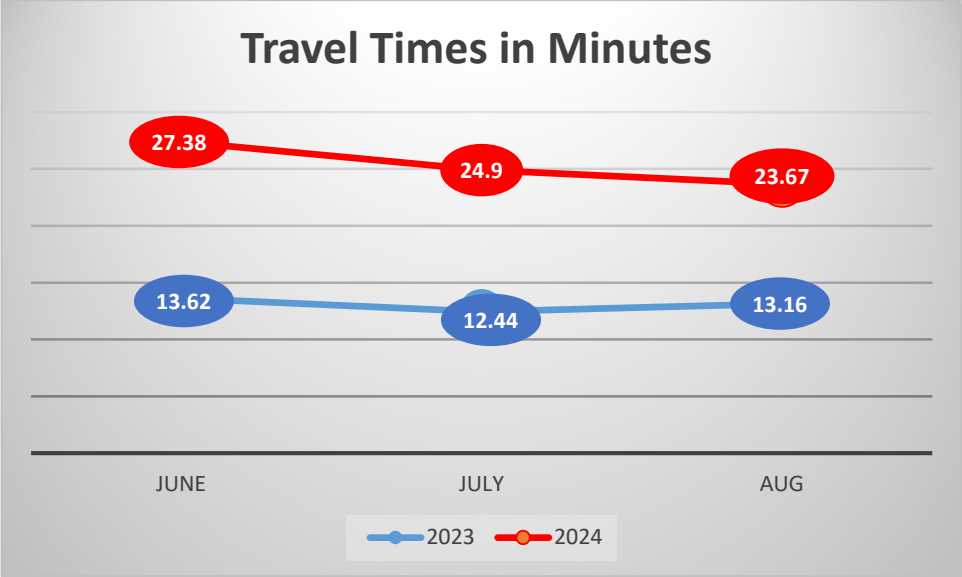
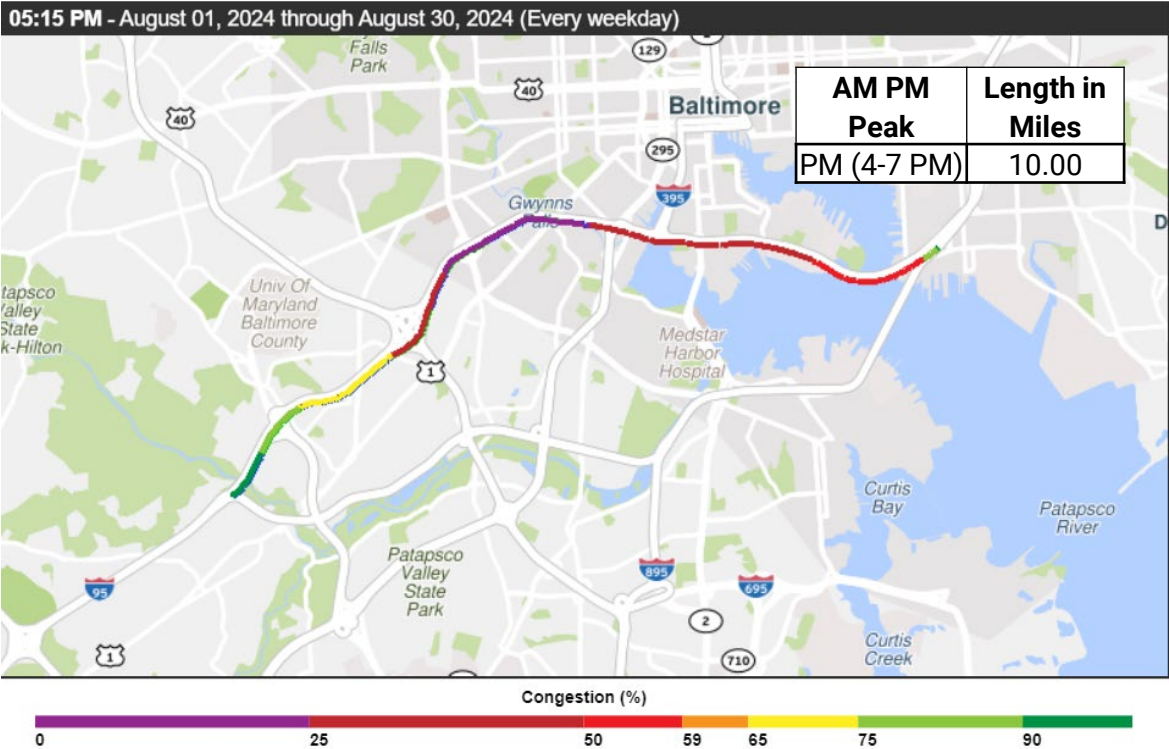


# KB3 - I-95 NB from I-895/Exit 46 to Fort McHenry Tunnel

Congestion Percentage = % of Free Flow Speed



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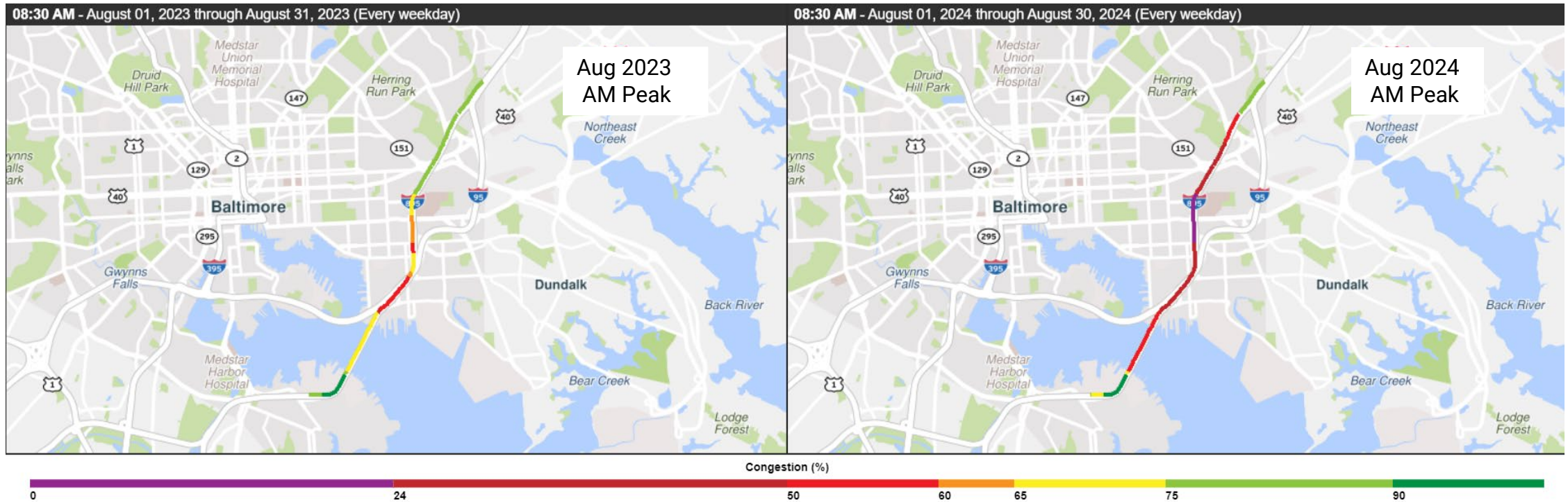


% Change Aug 2023 to 2024	% Change From Previous Month
80%	5%

Congestion Percentage = % of Free Flow Speed

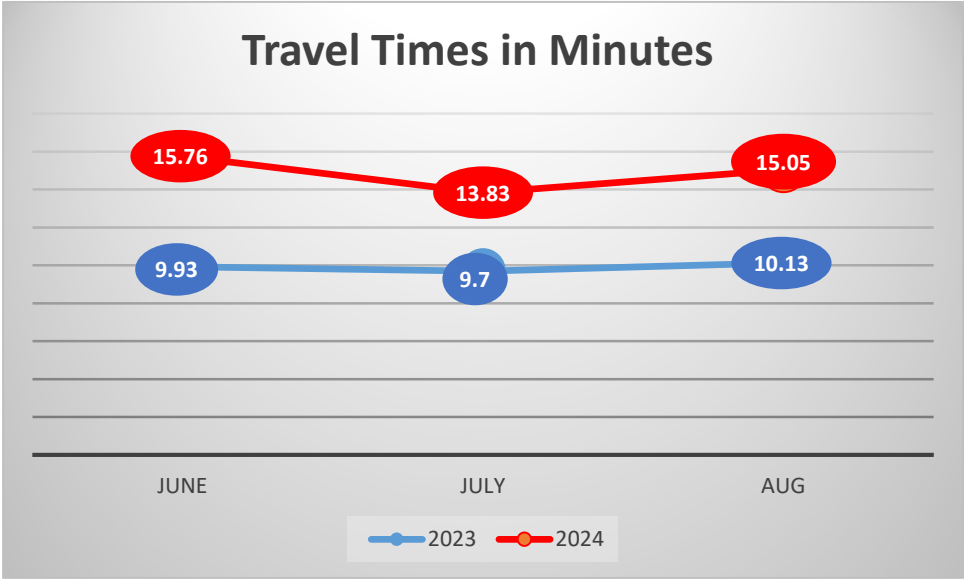
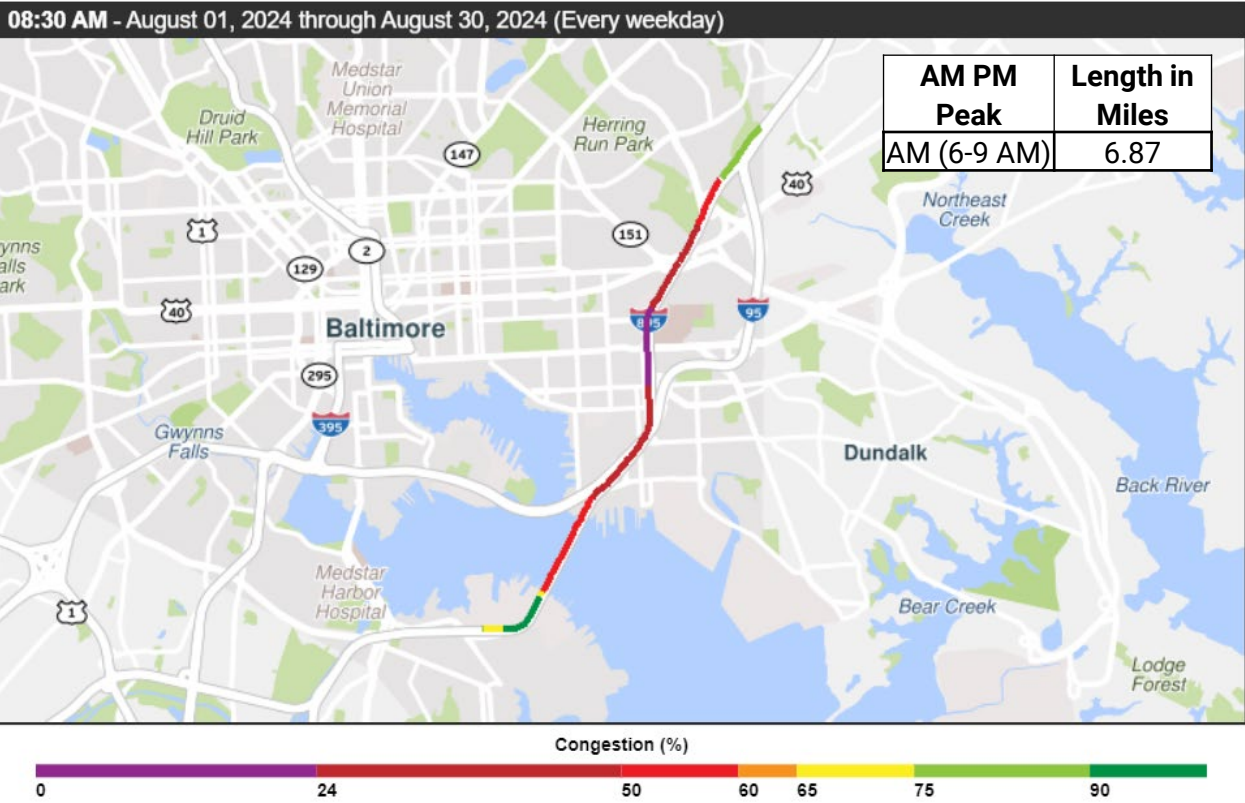
# KB4 - I-895 SB from I-95/Exit 62 to Harbor Tunnel Toll Plaza

Congestion Percentage = % of Free Flow Speed





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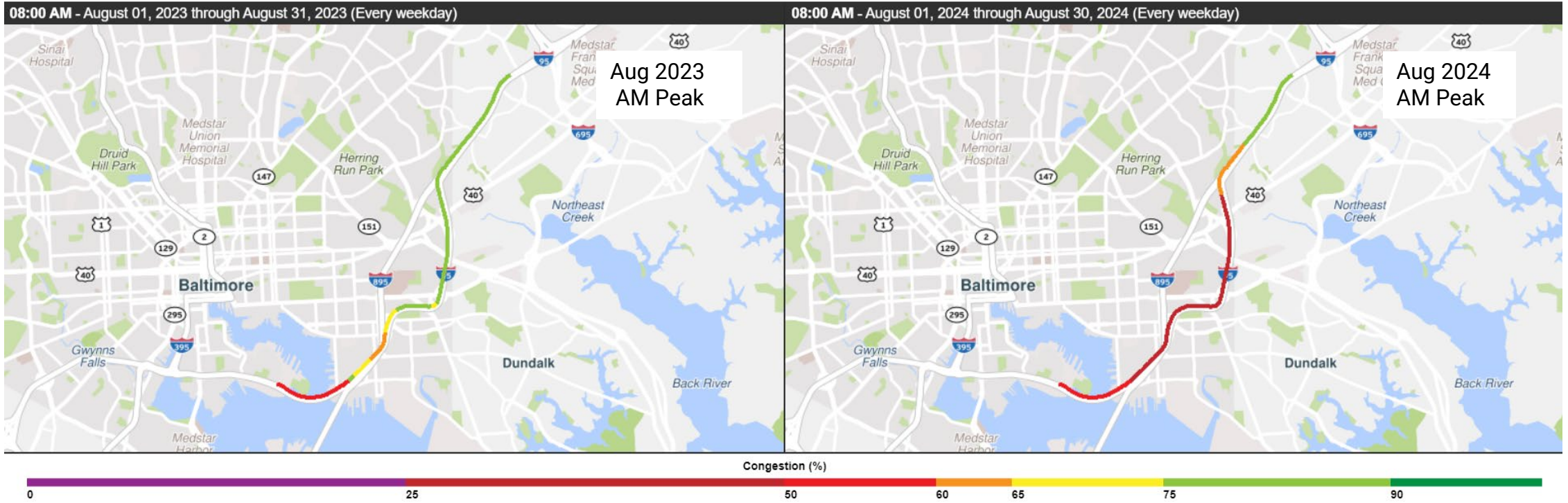


% Change Aug 2023 to 2024	% Change From Previous Month
49%	9%

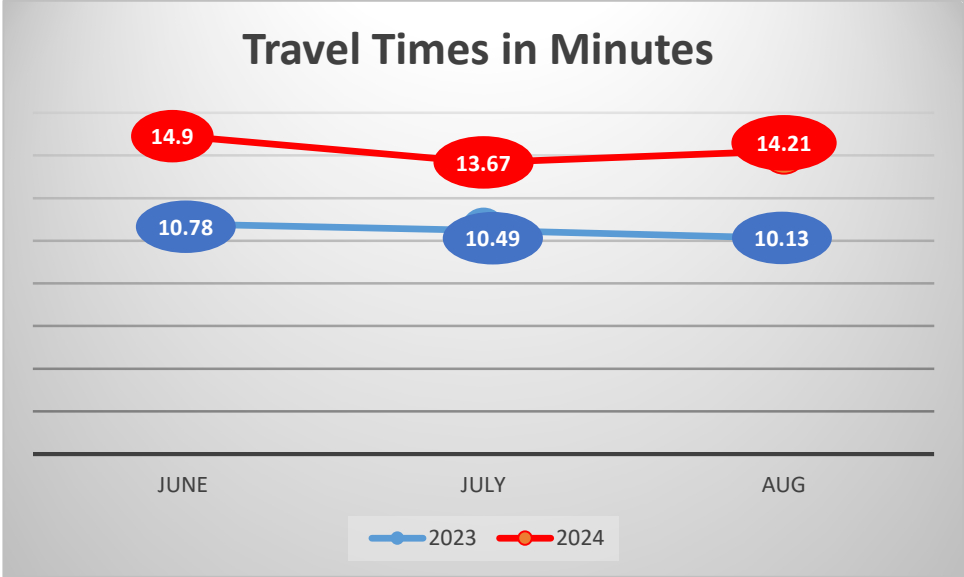
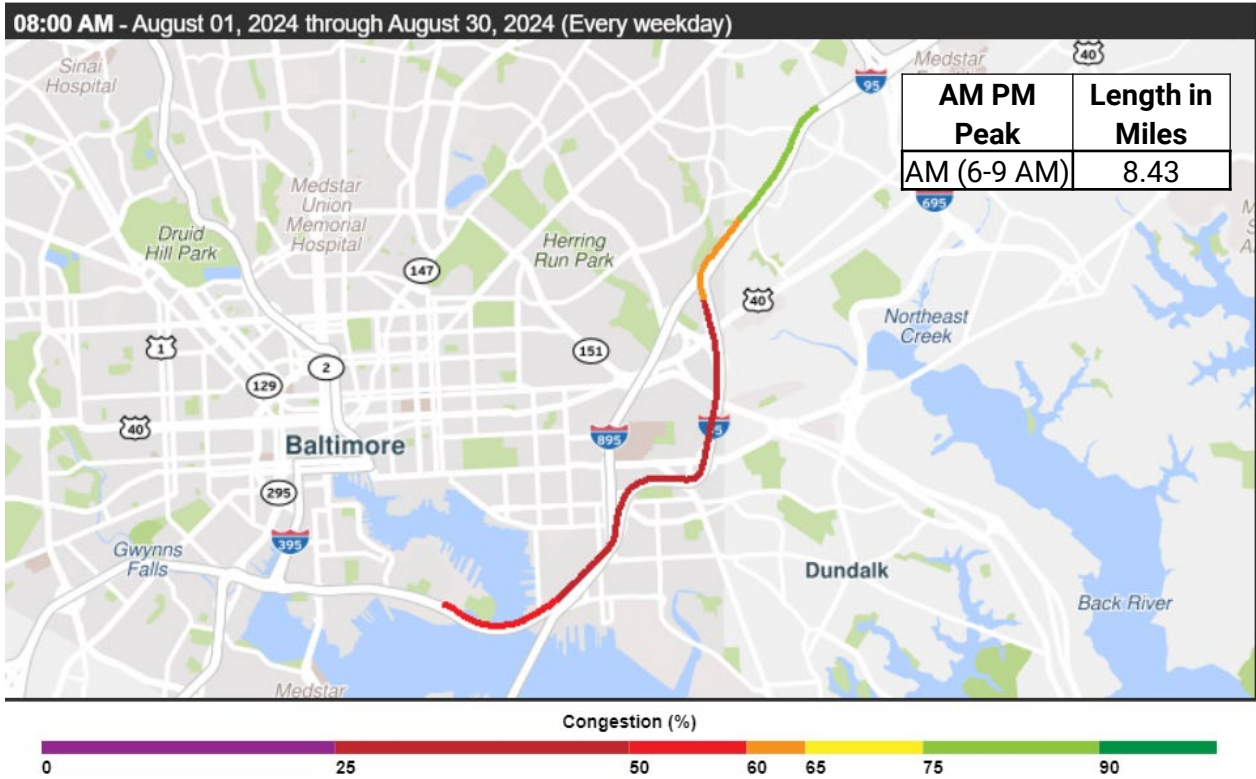
Congestion Percentage = % of Free Flow Speed

# KB5 - I-95 SB from I-895 split to Fort McHenry Tunnel

Congestion Percentage = % of Free Flow Speed



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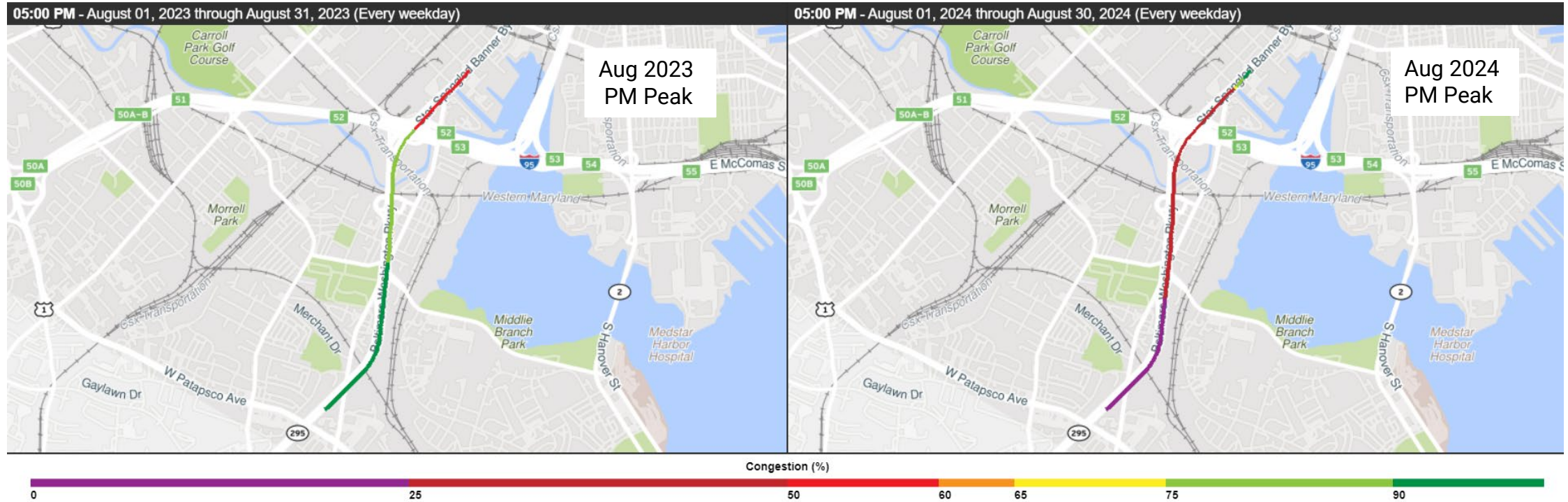
% Change Aug 2023 to 2024	% Change From Previous Month
36%	4%

Congestion Percentage = % of Free Flow Speed

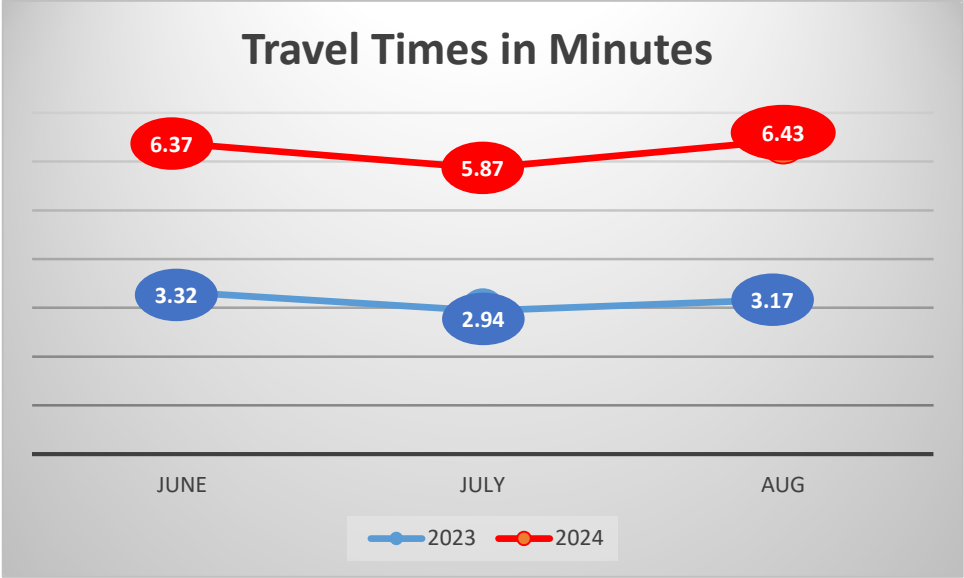
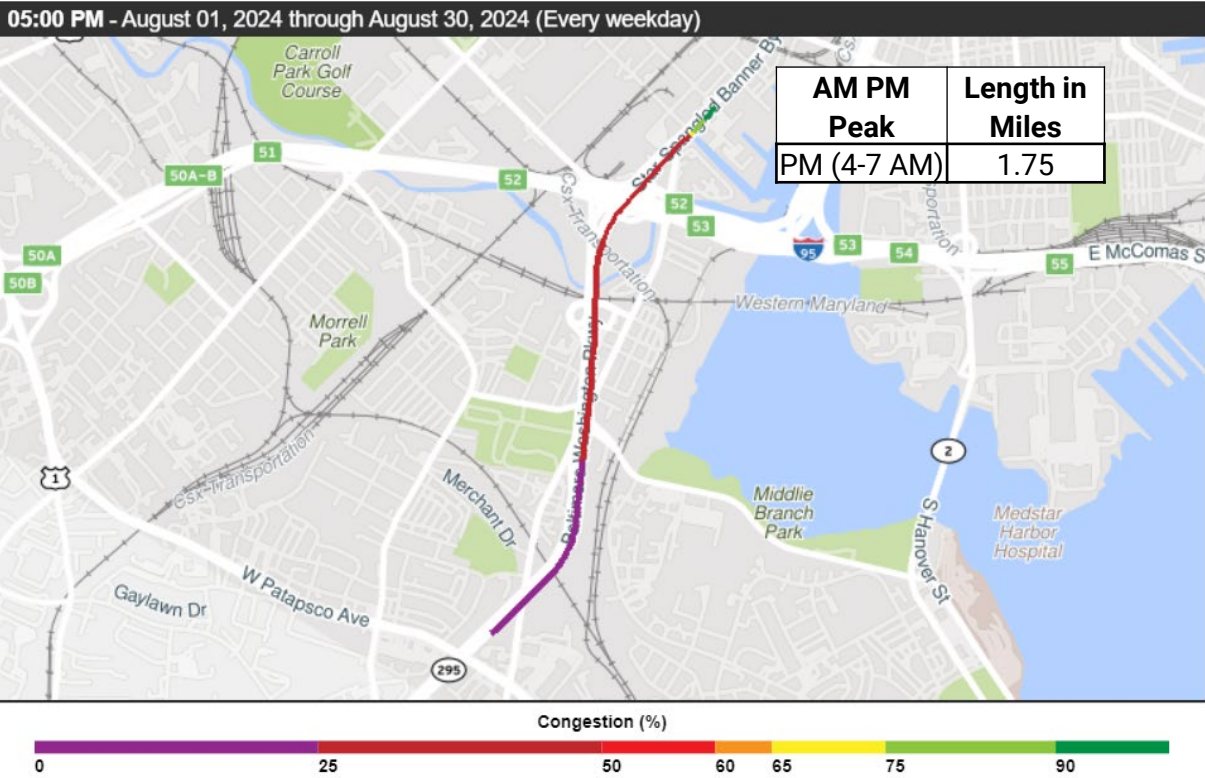


# KB6 - MD-295 NB from Patapsco Ave to Bayard St

Congestion Percentage = % of Free Flow Speed



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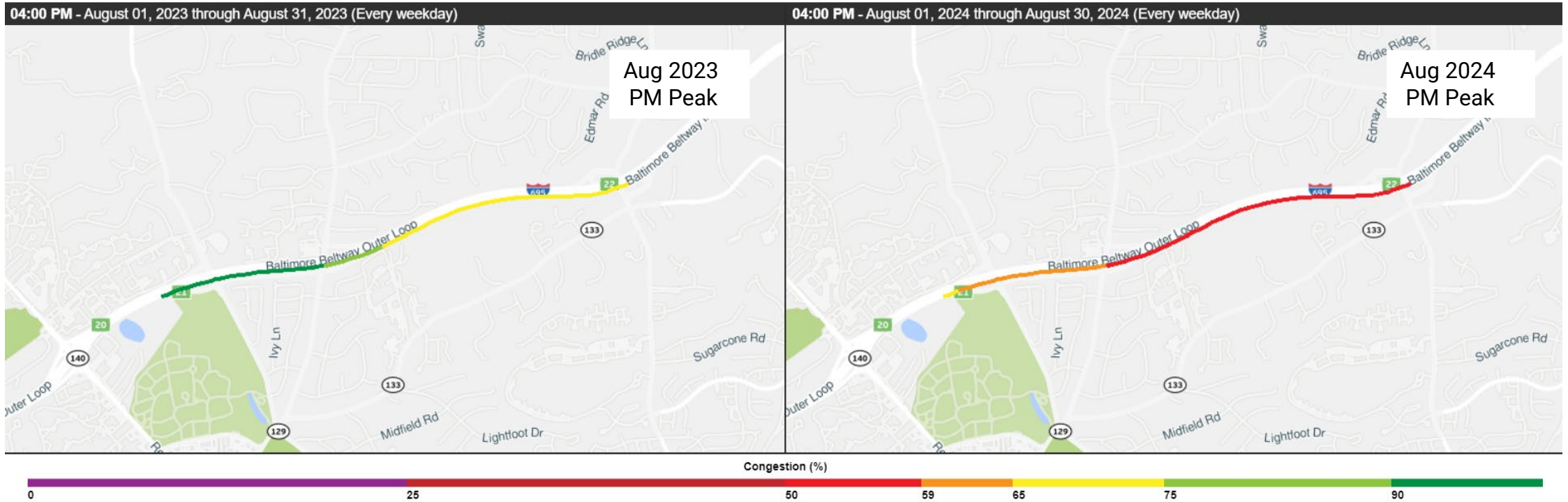


% Change Aug 2023 to 2024	% Change From Previous Month
103%	10%

Congestion Percentage = % of Free Flow Speed

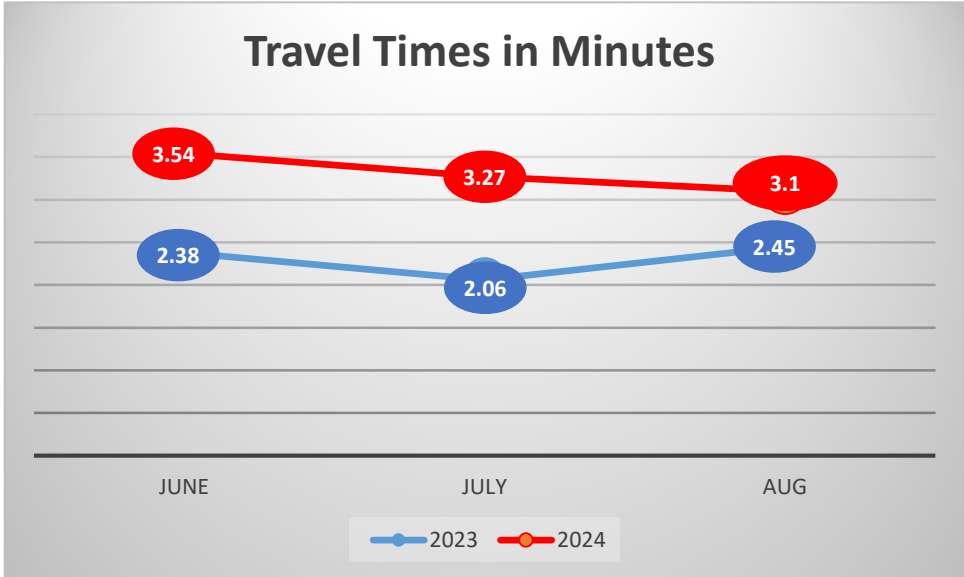
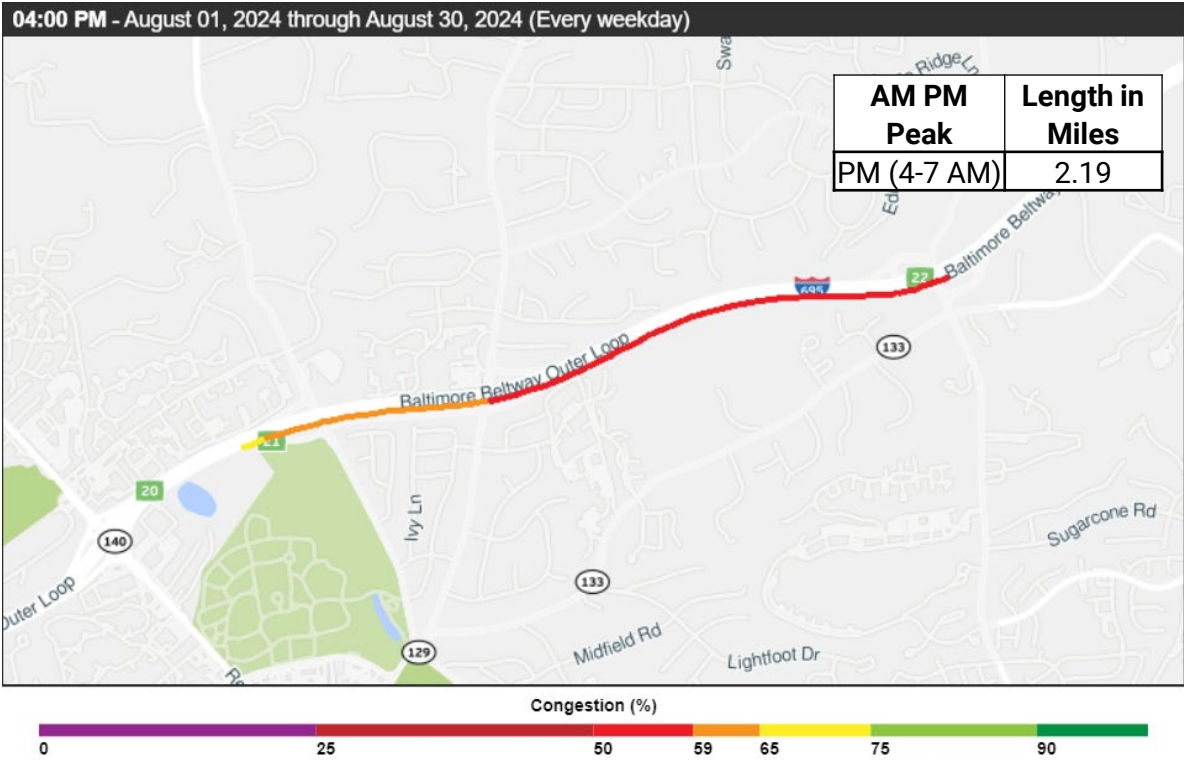
# KB7 - I-695 IL from Park Heights Ave to Greenspring Ave

Congestion Percentage = % of Free Flow Speed





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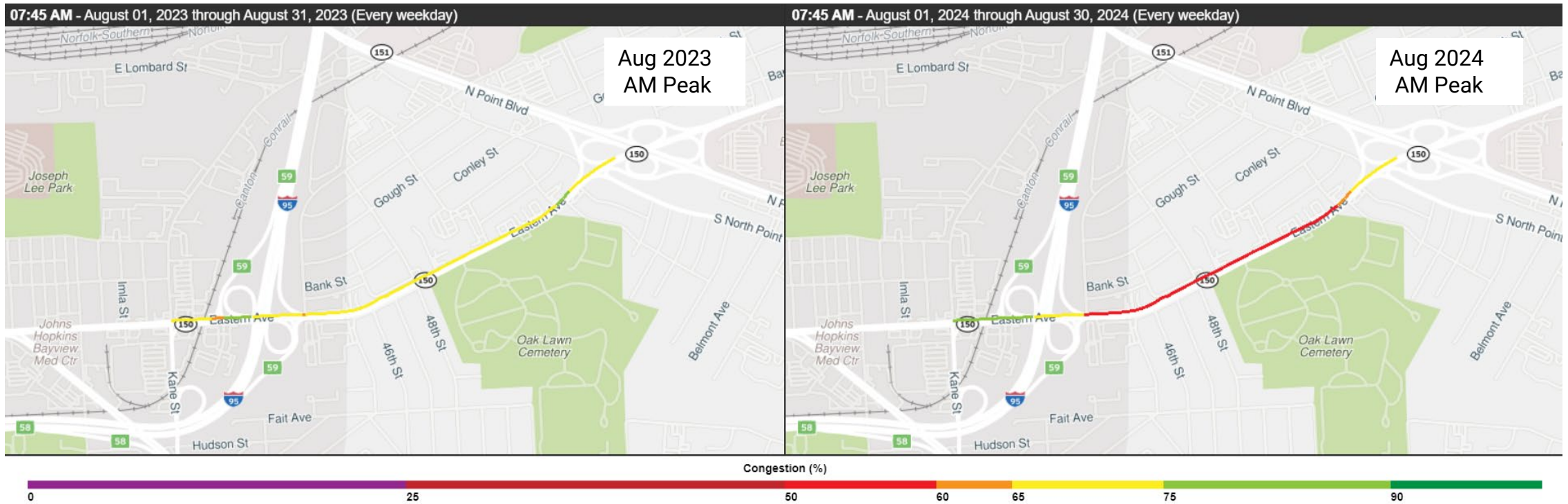


% Change Aug 2023 to 2024	% Change From Previous Month
27%	5%

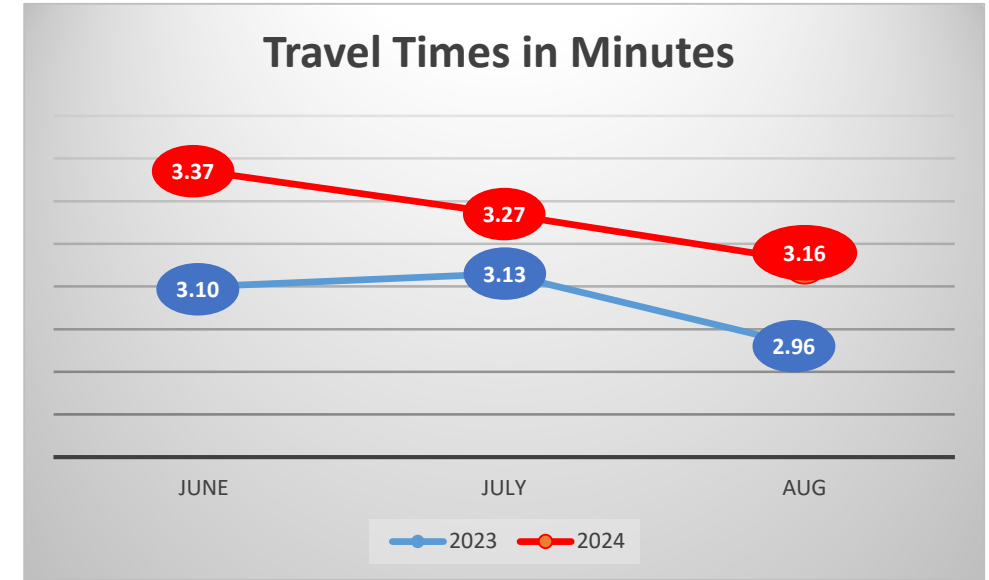
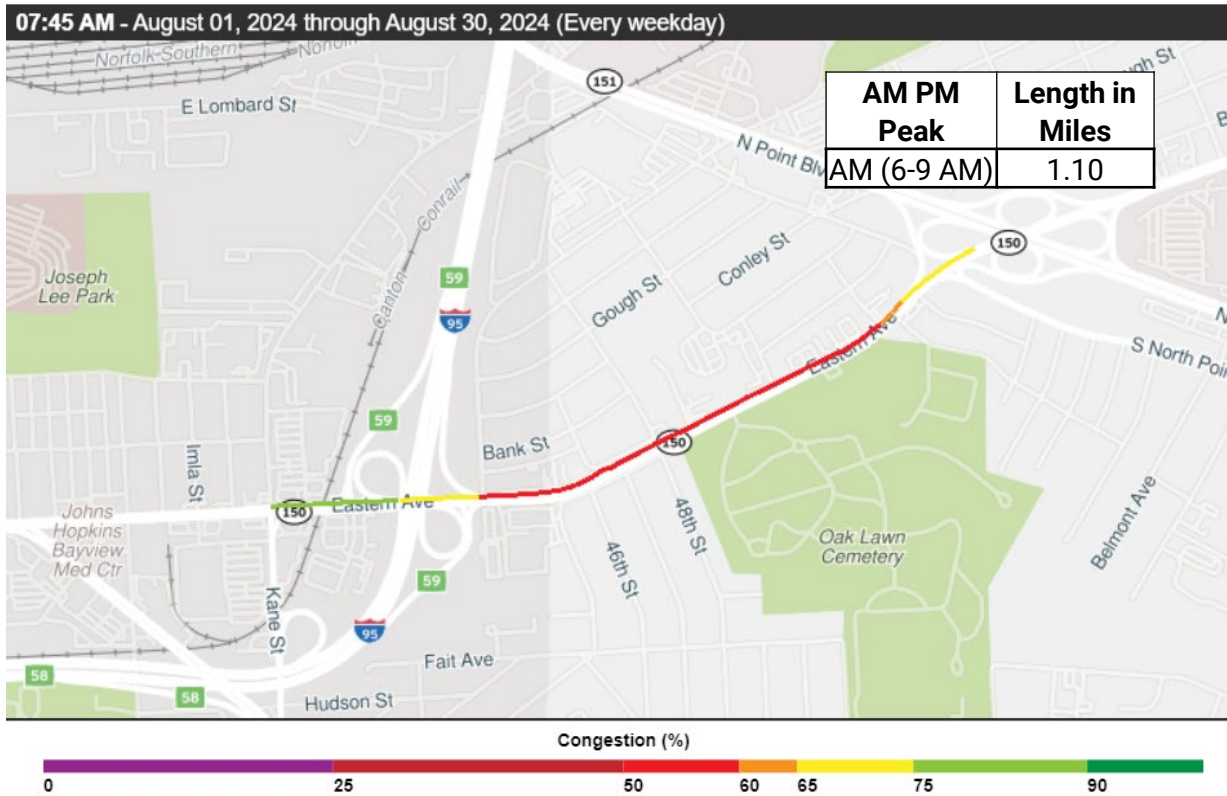
Congestion Percentage = % of Free Flow Speed

# KB8 - MD-150/Eastern Blvd WB from MD-151/North Pont Blvd to Kane St

Congestion Percentage = % of Free Flow Speed



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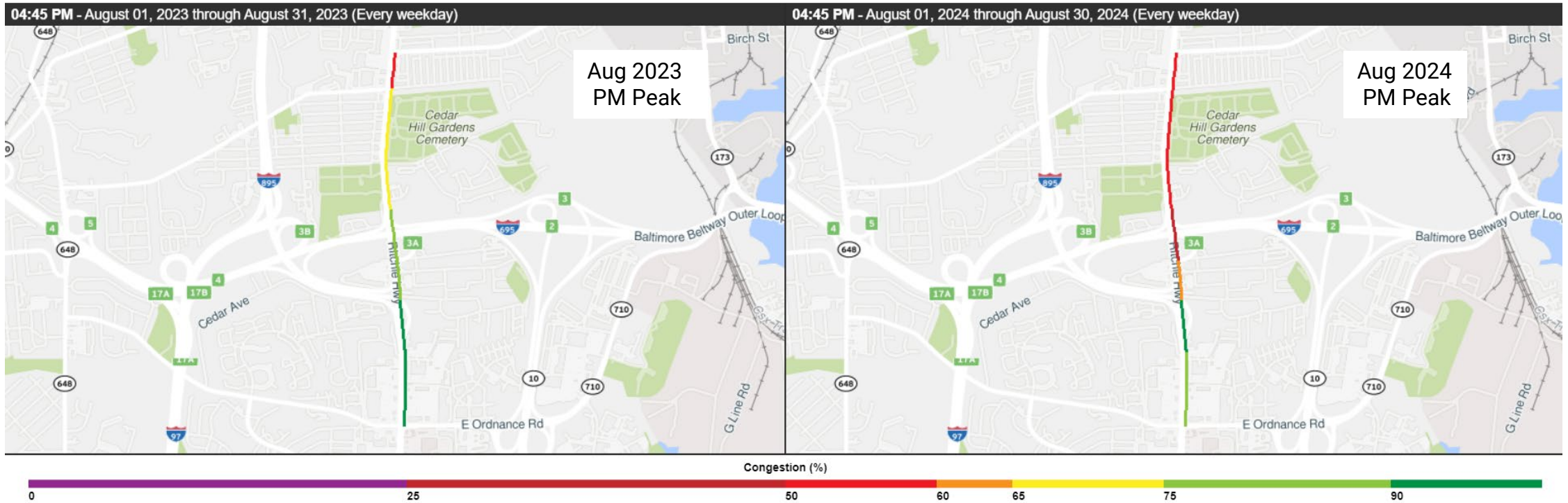
% Change Aug 2023 to 2024	% Change From Previous Month
7%	3%

Congestion Percentage = % of Free Flow Speed

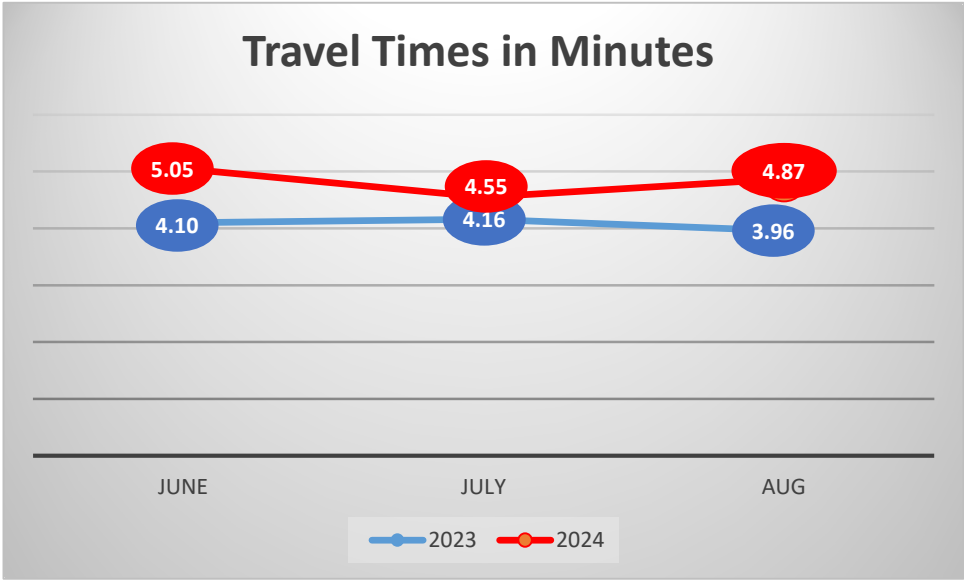
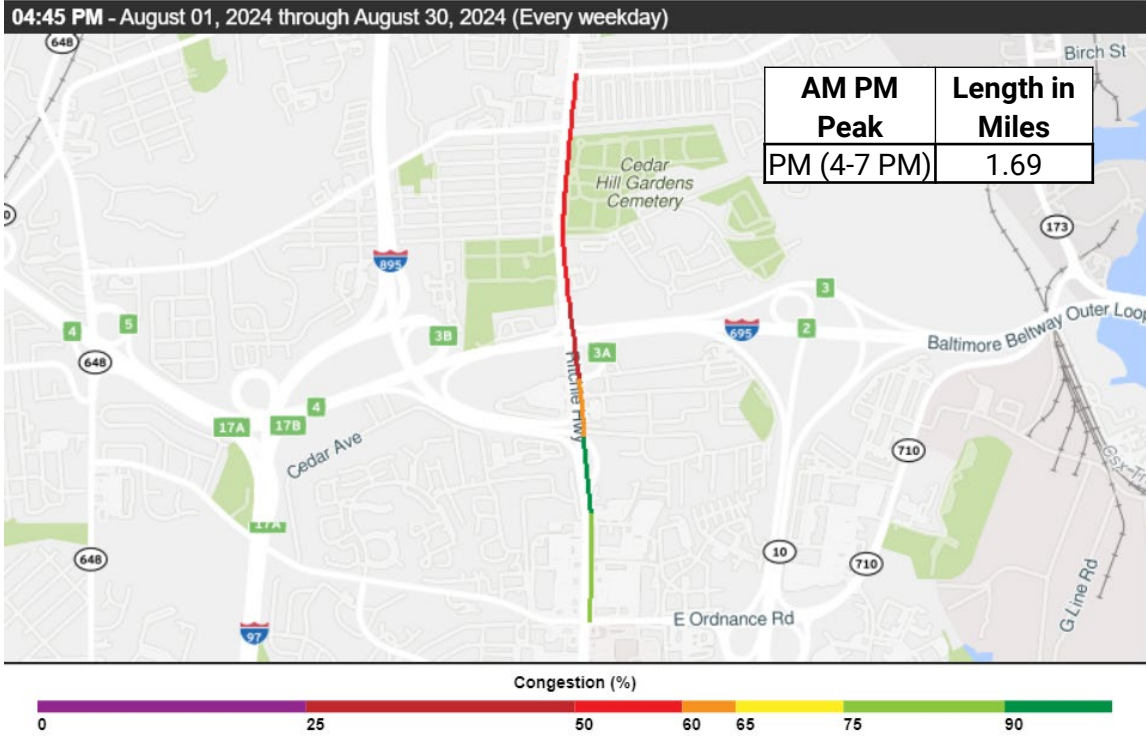


# KB9 - MD-2/Ritchie Hwy NB from MD-710 to MD-171

Congestion Percentage = % of Free Flow Speed



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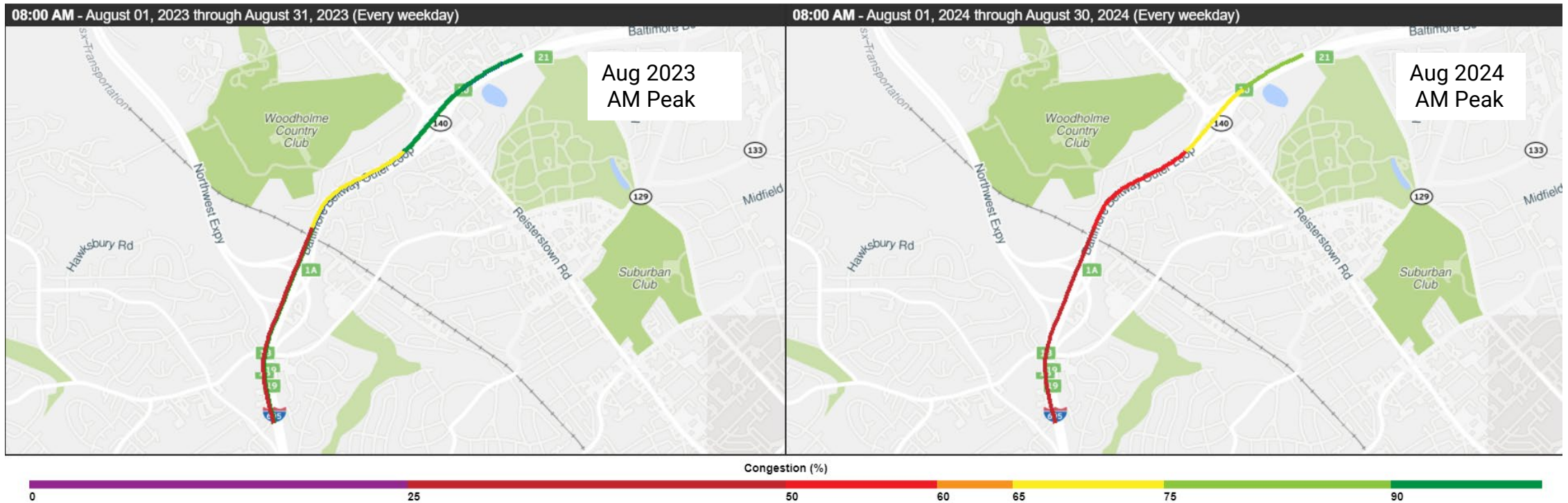


% Change Aug 2023 to 2024	% Change From Previous Month
<b>23%</b>	<b>7%</b>

Congestion Percentage = % of Free Flow Speed

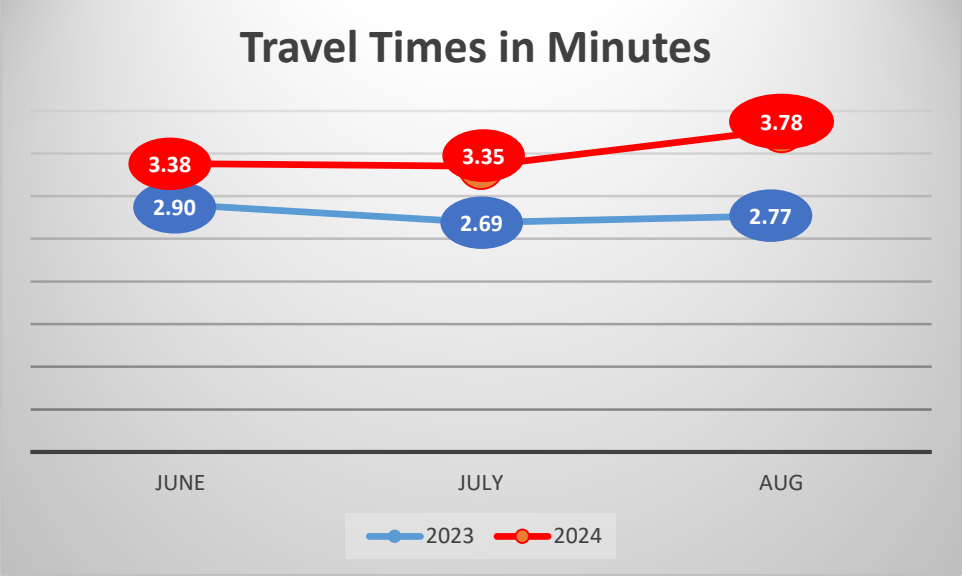
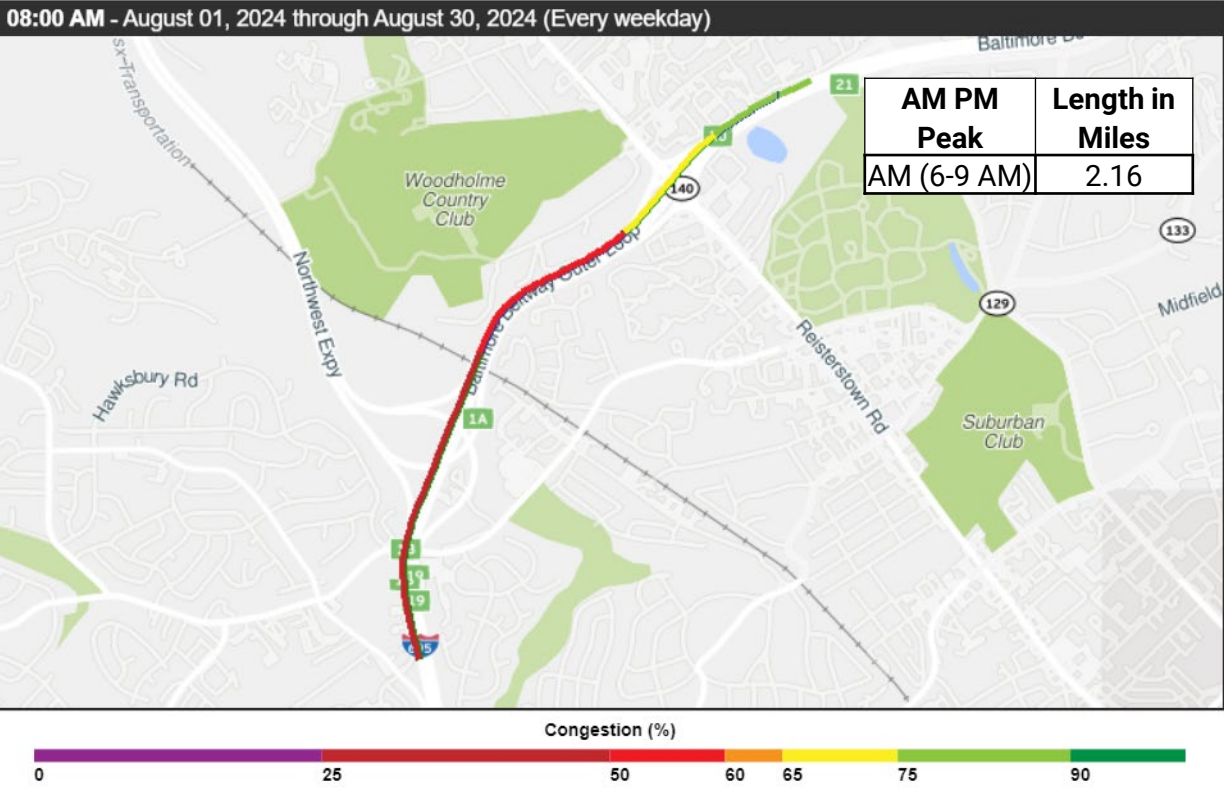
# KB10 - I-695 OL from Reisterstown Rd to I-795

Congestion Percentage = % of Free Flow Speed





# KB10 - I-695 OL from Reisterstown Rd to I-795

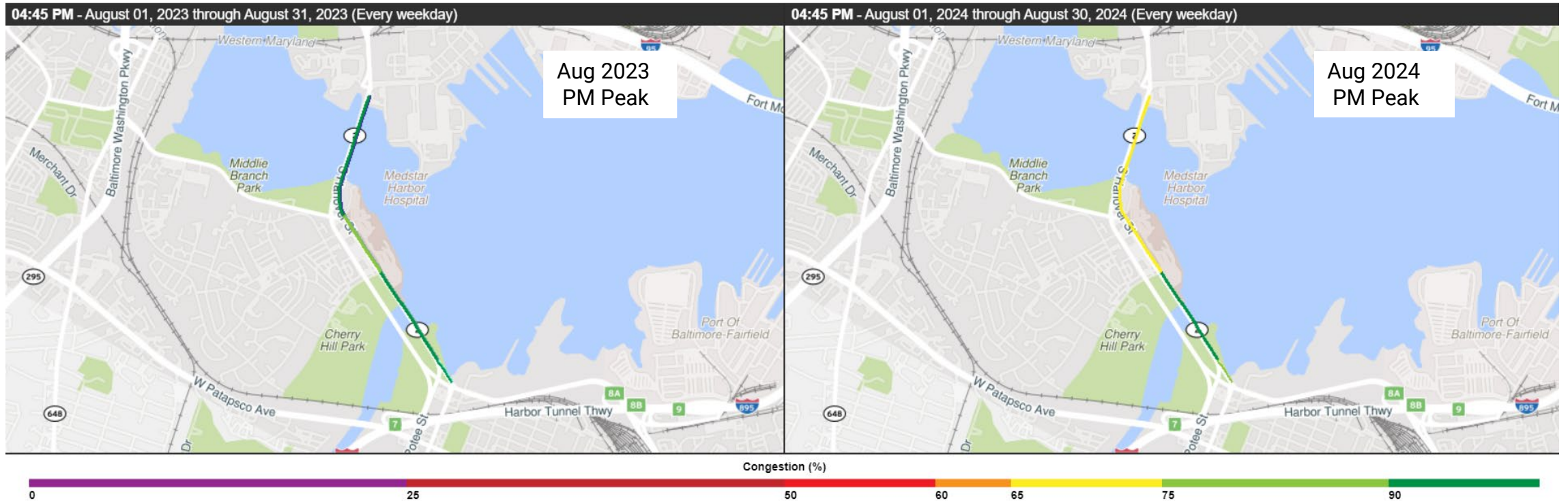


% Change Aug 2023 to 2024	% Change From Previous Month
36%	13%

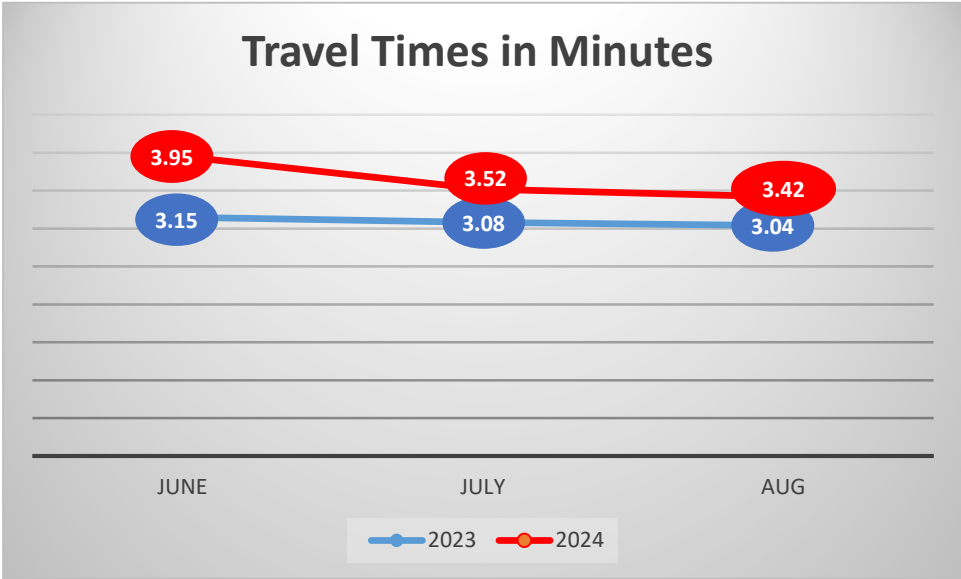
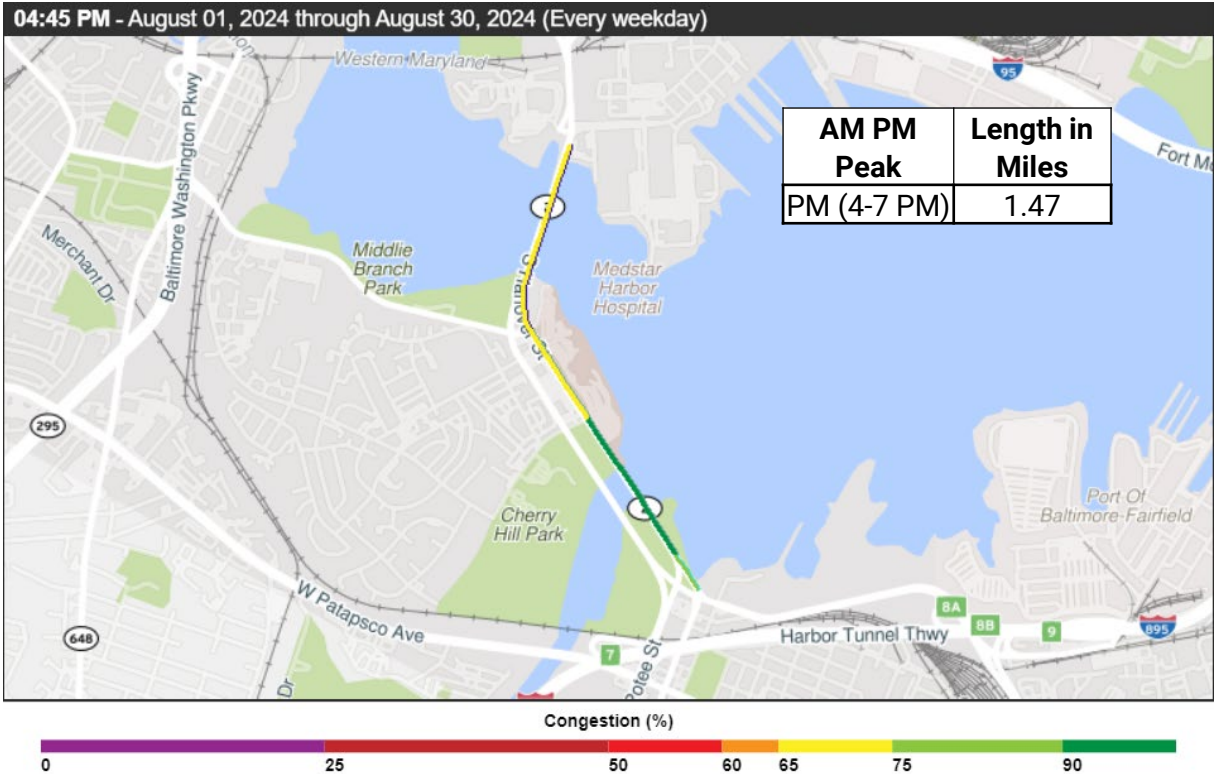
Congestion Percentage = % of Free Flow Speed

# KB11 - Hanover Street NB (I-895 to Cromwell)

Congestion Percentage = % of Free Flow Speed



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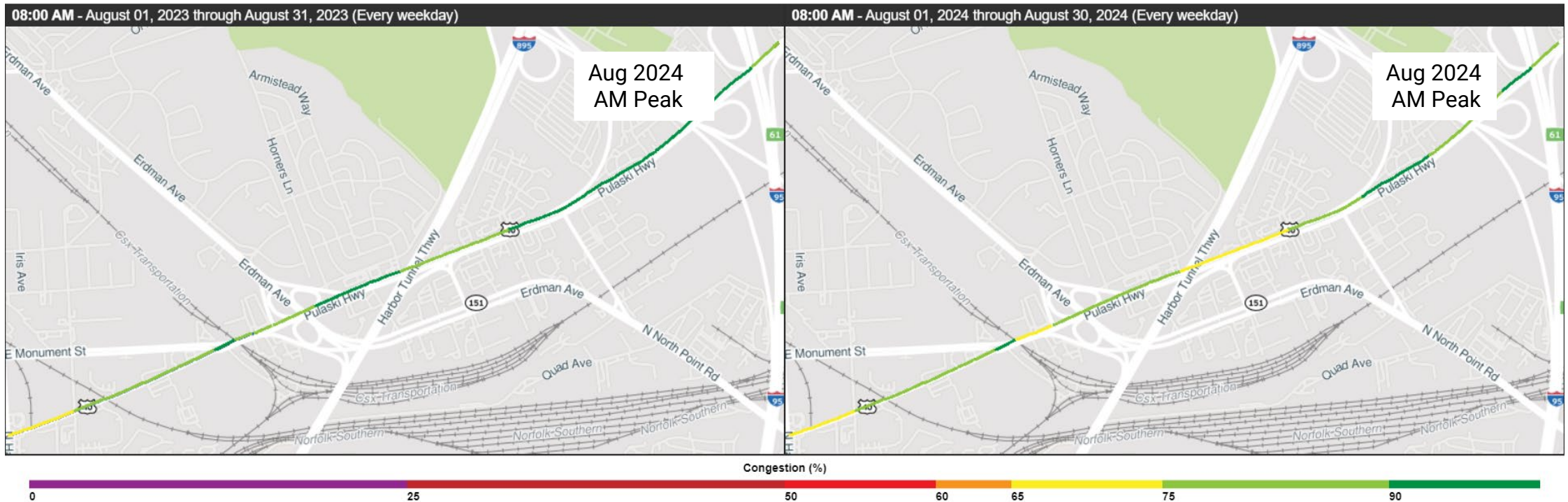
% Change Aug 2023 to 2024	% Change From Previous Month
13%	3%

Congestion Percentage = % of Free Flow Speed

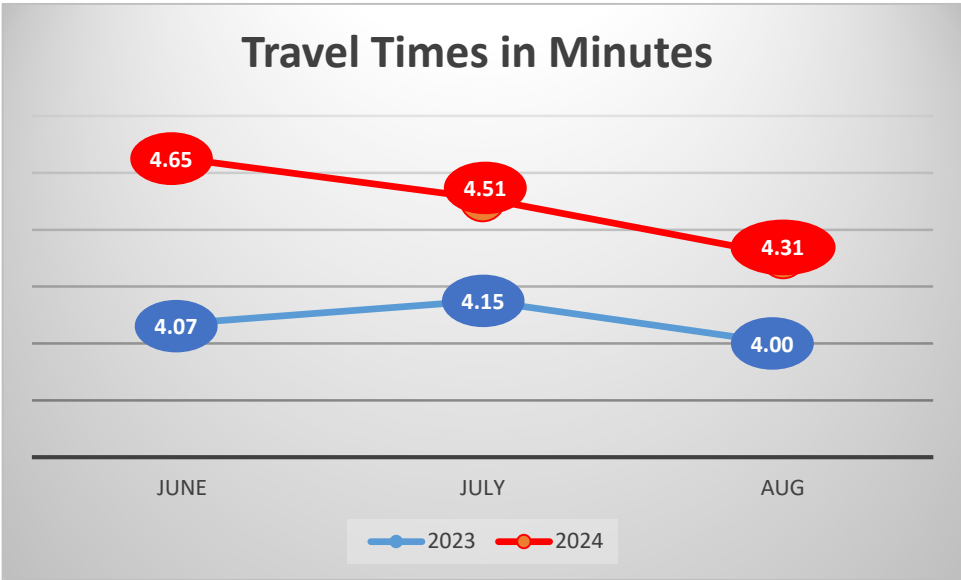
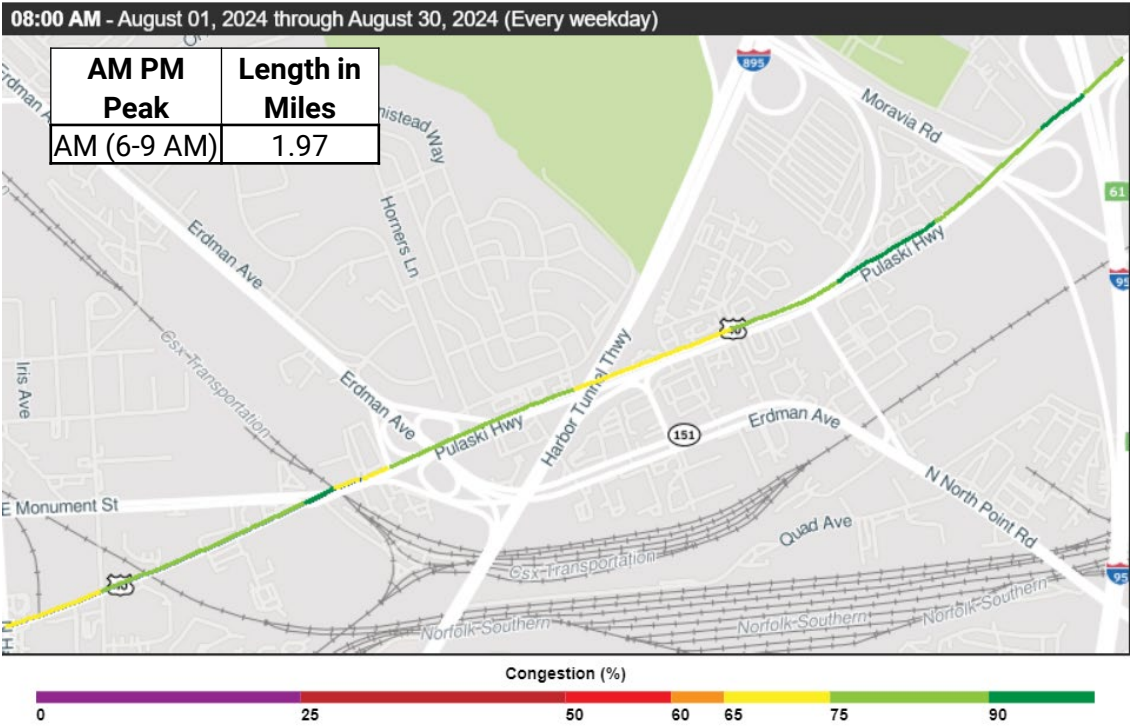


# KB12 - US-40/Pulaski Hwy WB from City Line to N Haven St

Congestion Percentage = % of Free Flow Speed



# KB12 - US-40/Pulaski Hwy WB from City Line to N Haven St

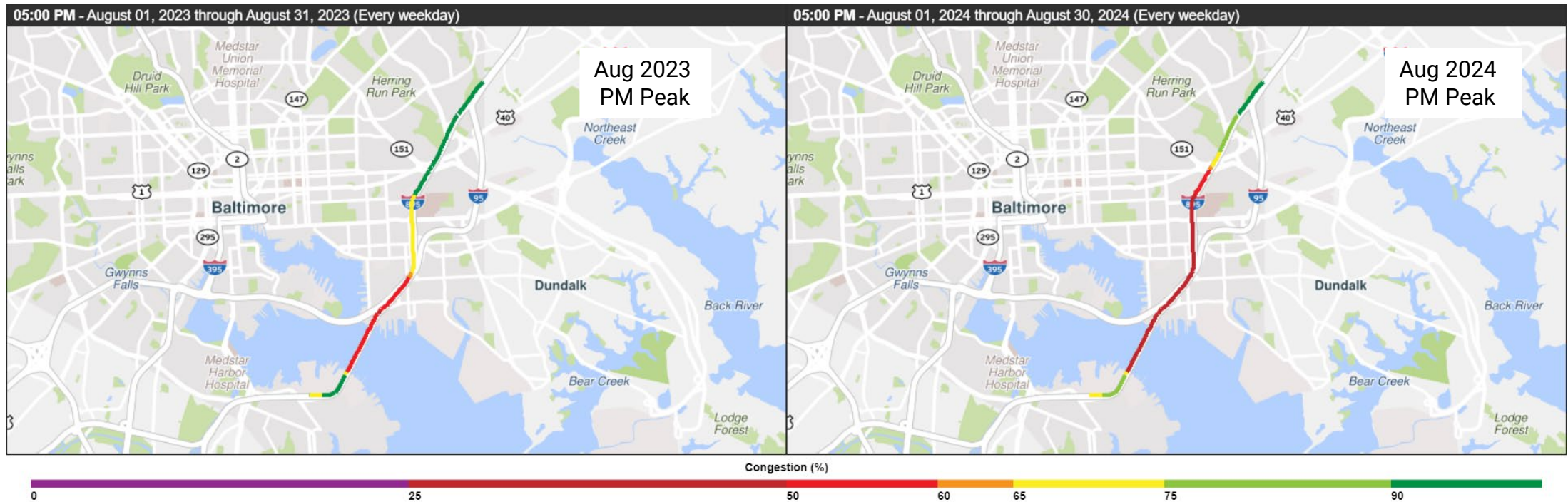


% Change Aug 2023 to 2024	% Change From Previous Month
8%	4%

Congestion Percentage = % of Free Flow Speed

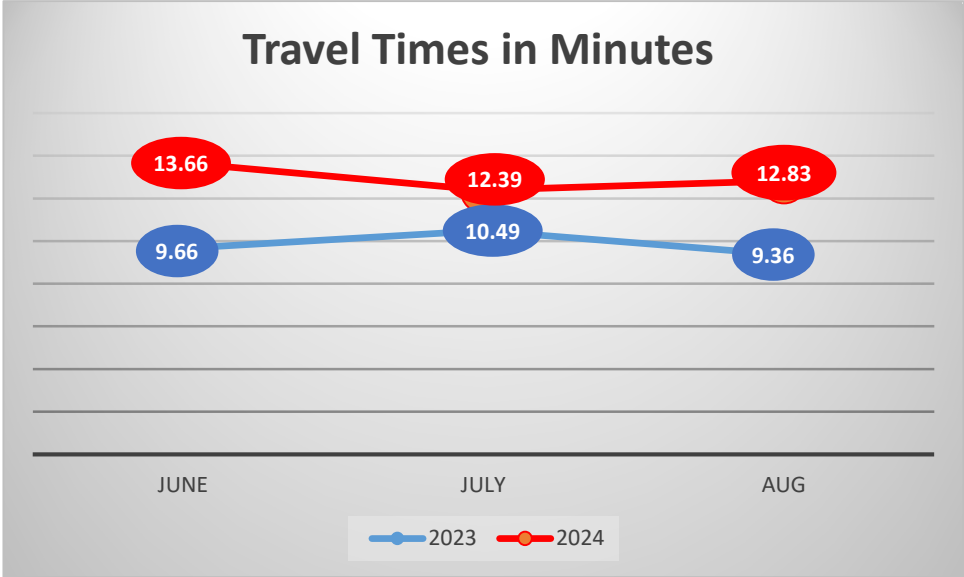
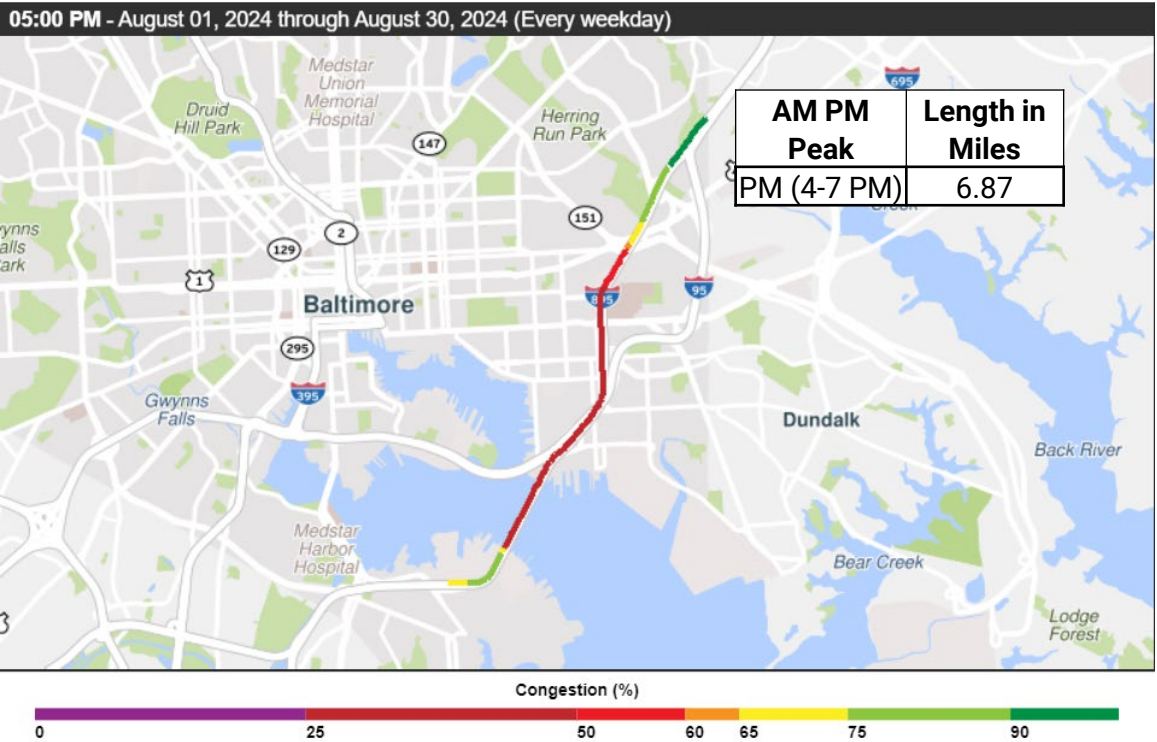
# KB13 - I-895 SB from I-95/Exit 62 to Harbor Tunnel Toll Plaza

Congestion Percentage = % of Free Flow Speed





# KB13 - I-895 SB from I-95/Exit 62 to Harbor Tunnel Toll Plaza

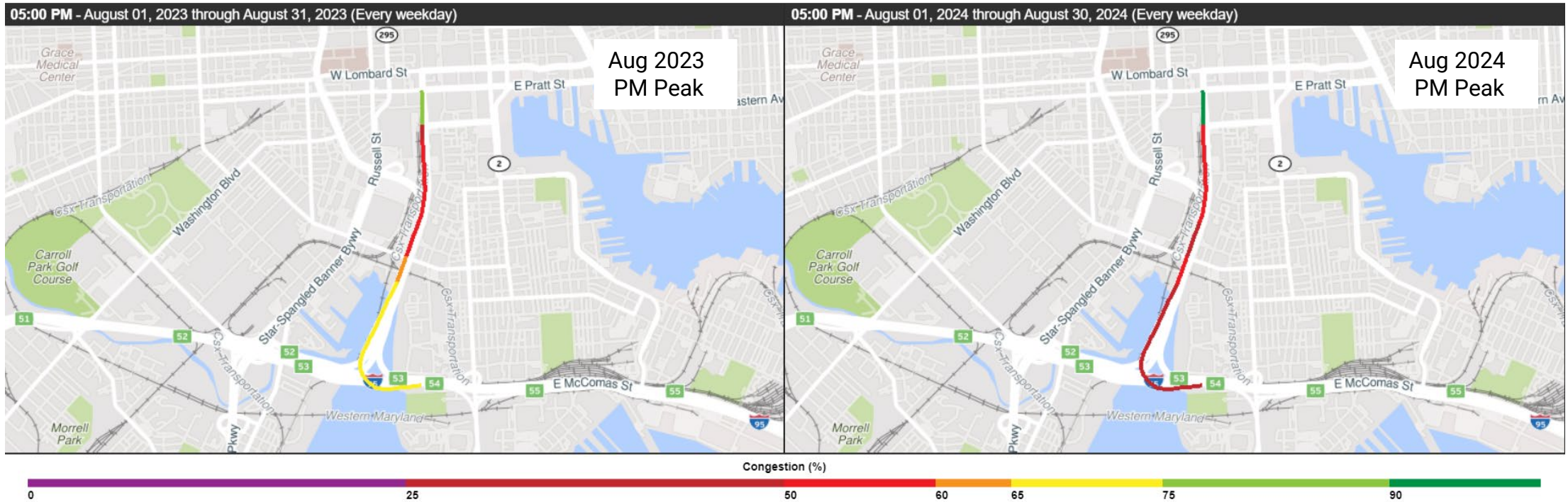


% Change Aug 2023 to 2024	% Change From Previous Month
37%	4%

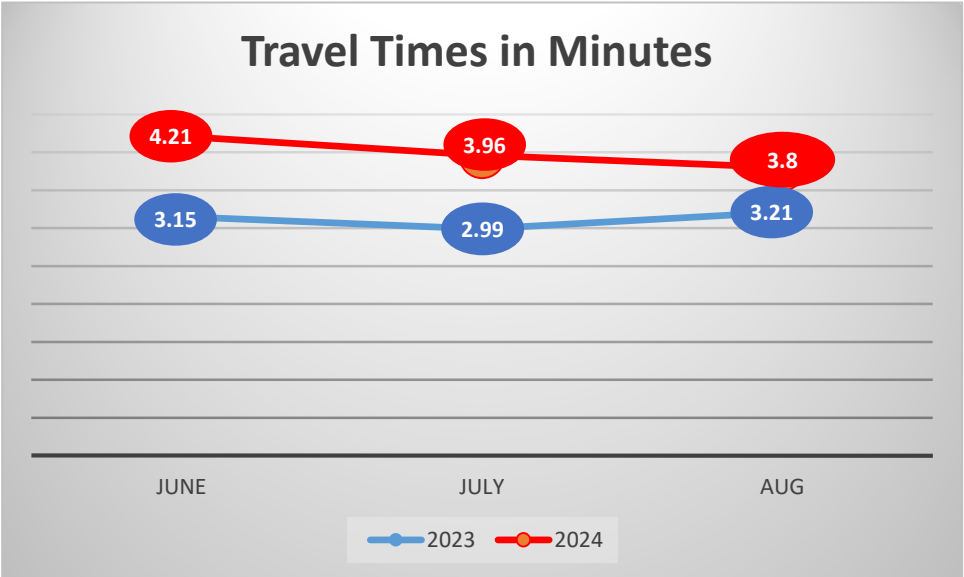
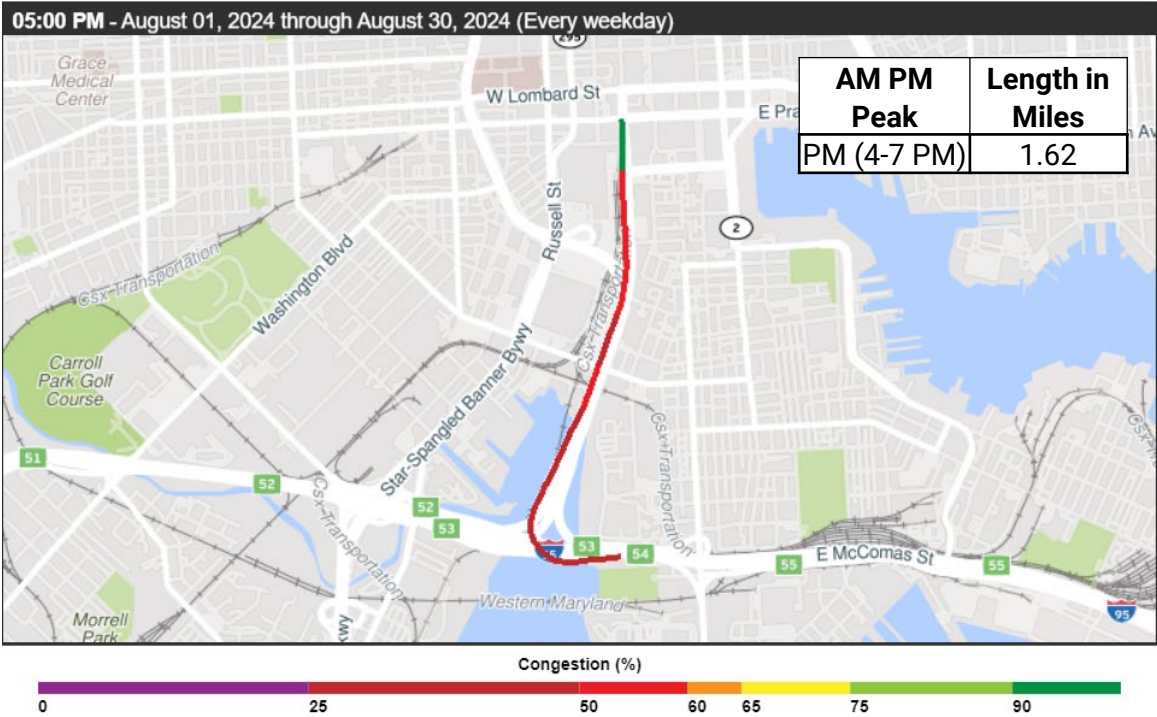
Congestion Percentage = % of Free Flow Speed

# KB14 - I-395 SB to I-95 NB (East Pratt to I-95)

Congestion Percentage = % of Free Flow Speed



# KB14 - I-395 SB to I-95 NB (East Pratt to I-95)



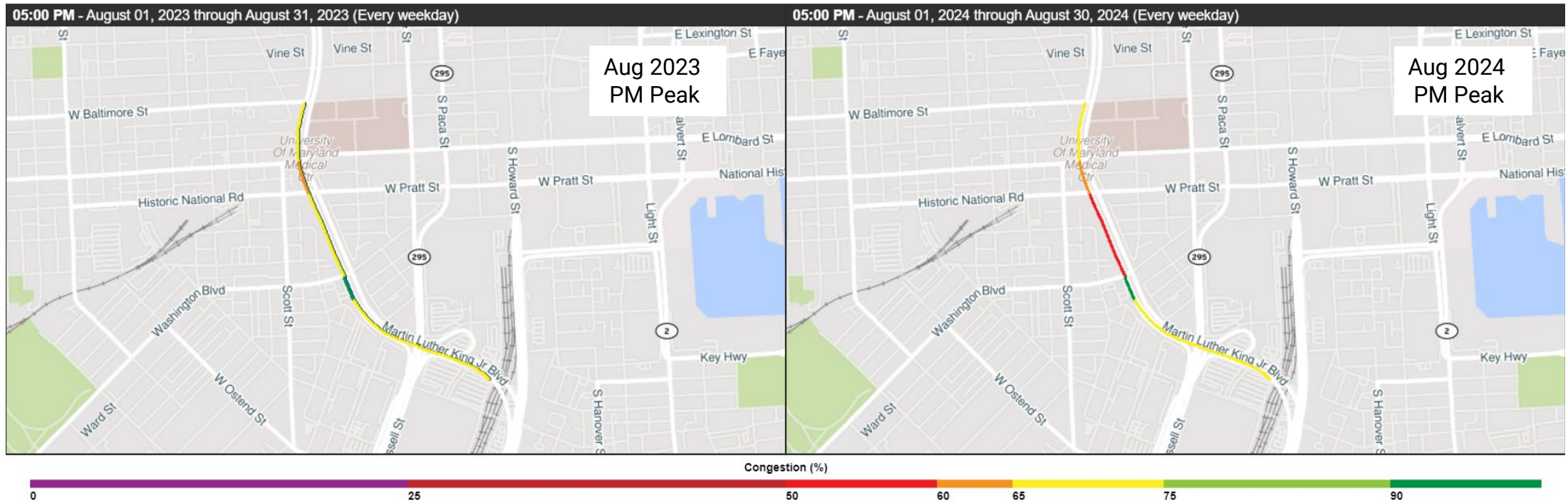
% Change Aug 2023 to 2024	% Change From Previous Month
18%	4%

Congestion Percentage = % of Free Flow Speed

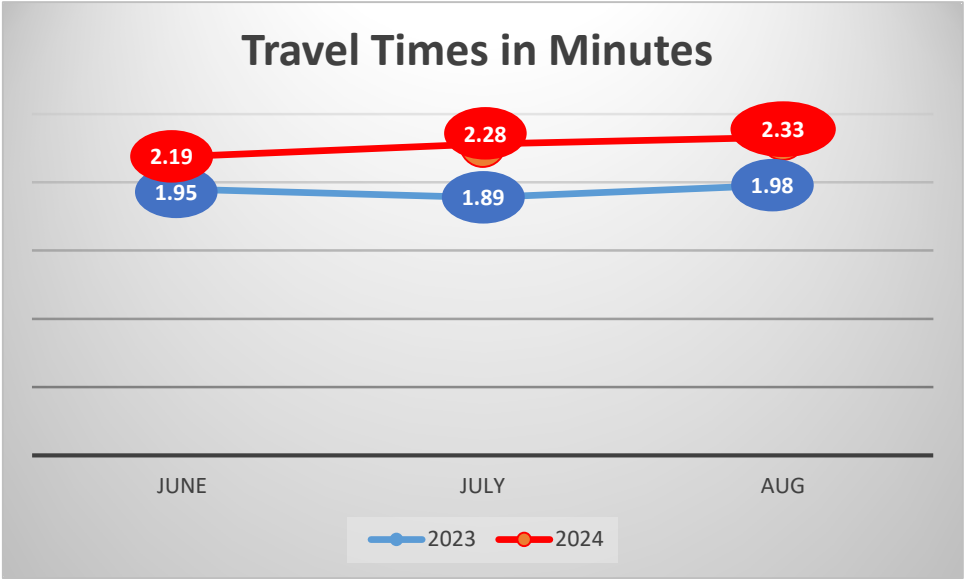
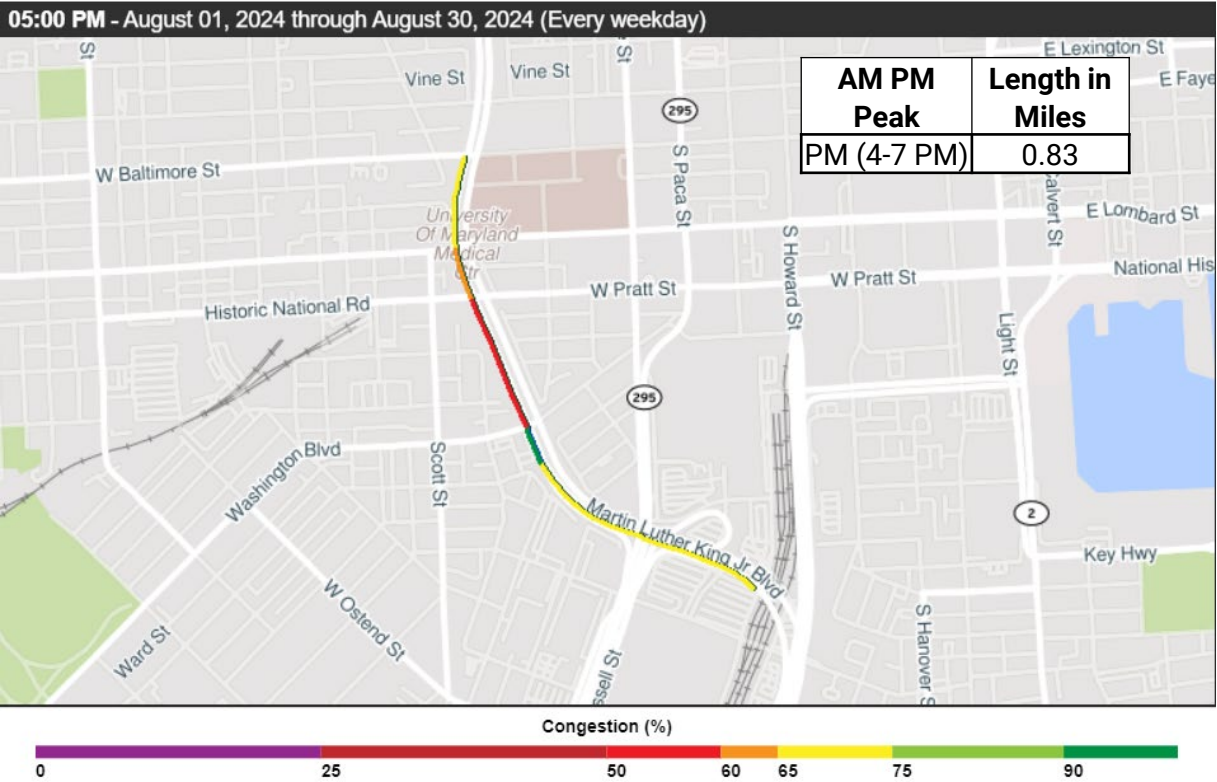


# KB15 - MLK Blvd SB from W Baltimore St to I-395

Congestion Percentage = % of Free Flow Speed



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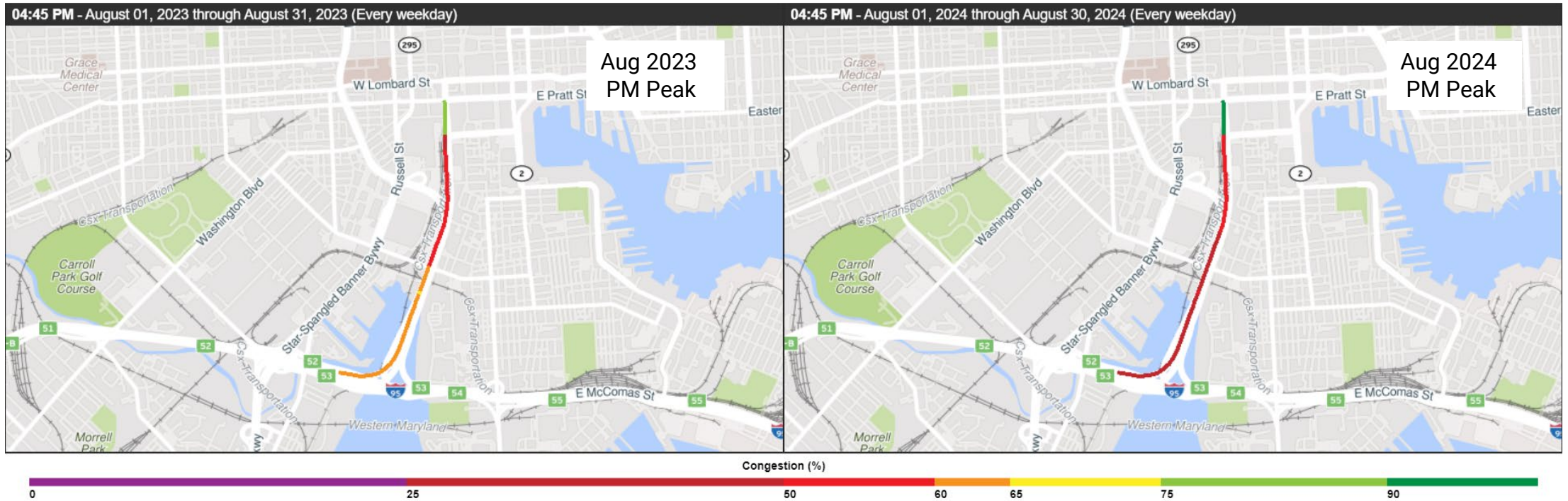


% Change Aug 2023 to 2024	% Change From Previous Month
18%	2%

Congestion Percentage = % of Free Flow Speed

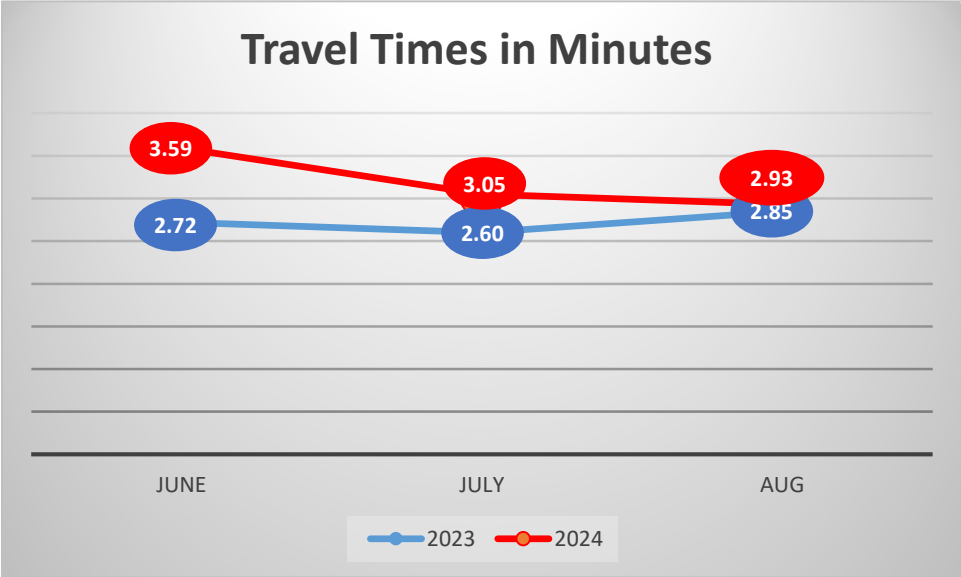
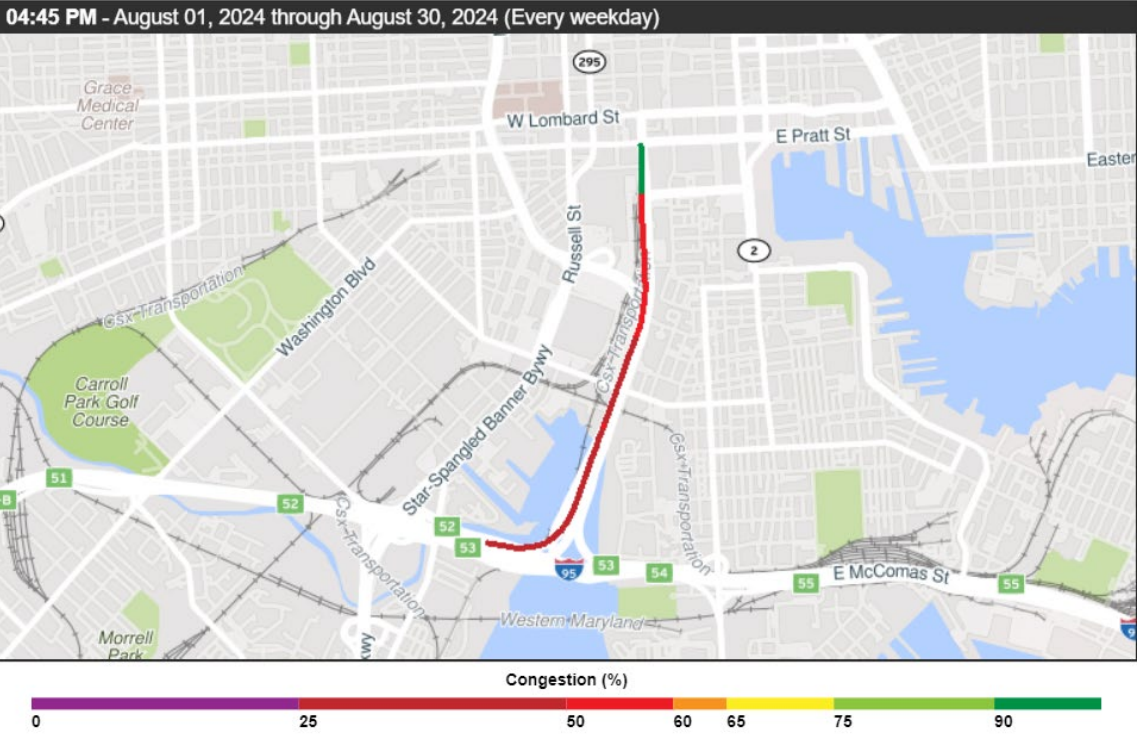
# KB16 - I-395 SB to I-95 SB (East Pratt to I-95)

Congestion Percentage = % of Free Flow Speed





# KB16 - I-395 SB to I-95 SB (East Pratt to I-95)



% Change Aug 2023 to 2024	% Change From Previous Month
2%	4%

Congestion Percentage = % of Free Flow Speed

# For More Information

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