



Key Bridge Collapse

Traffic Impacts in the Baltimore Region through July 31st 2024



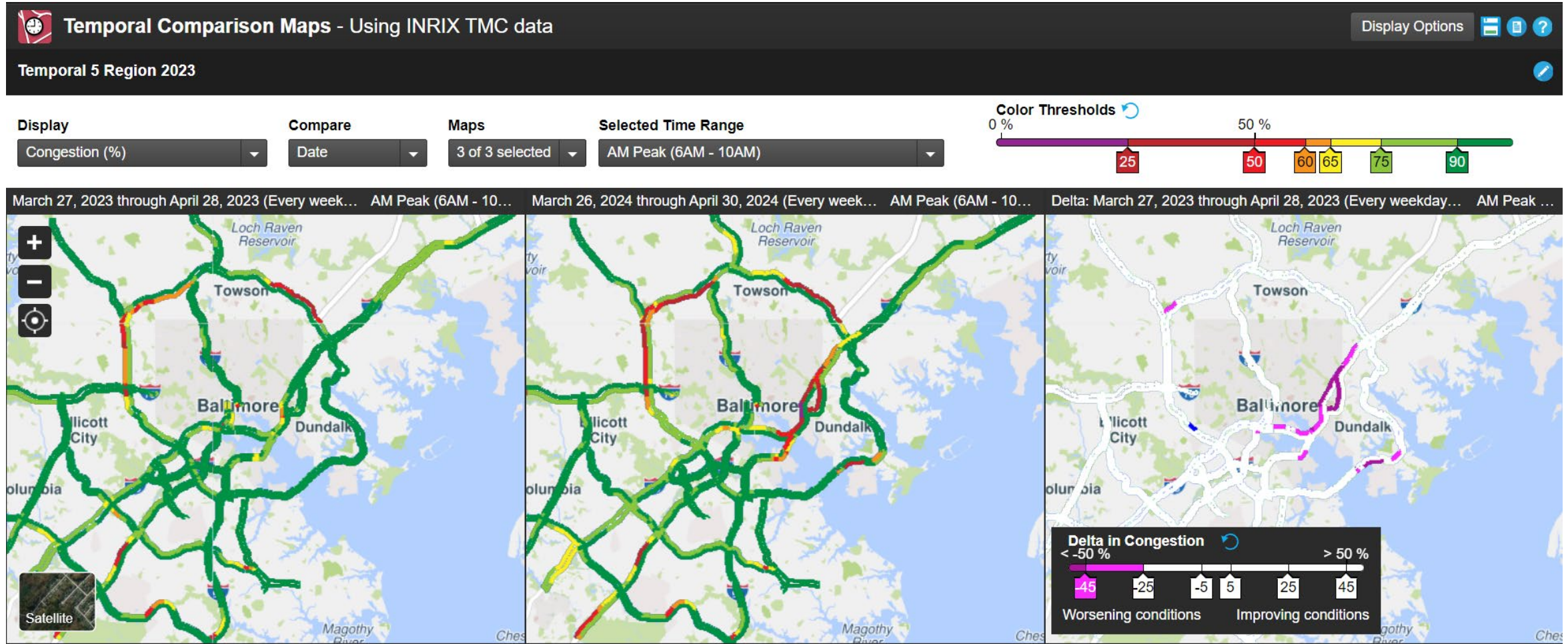
TRAFFIC AND TRANSPORTATION

- 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)

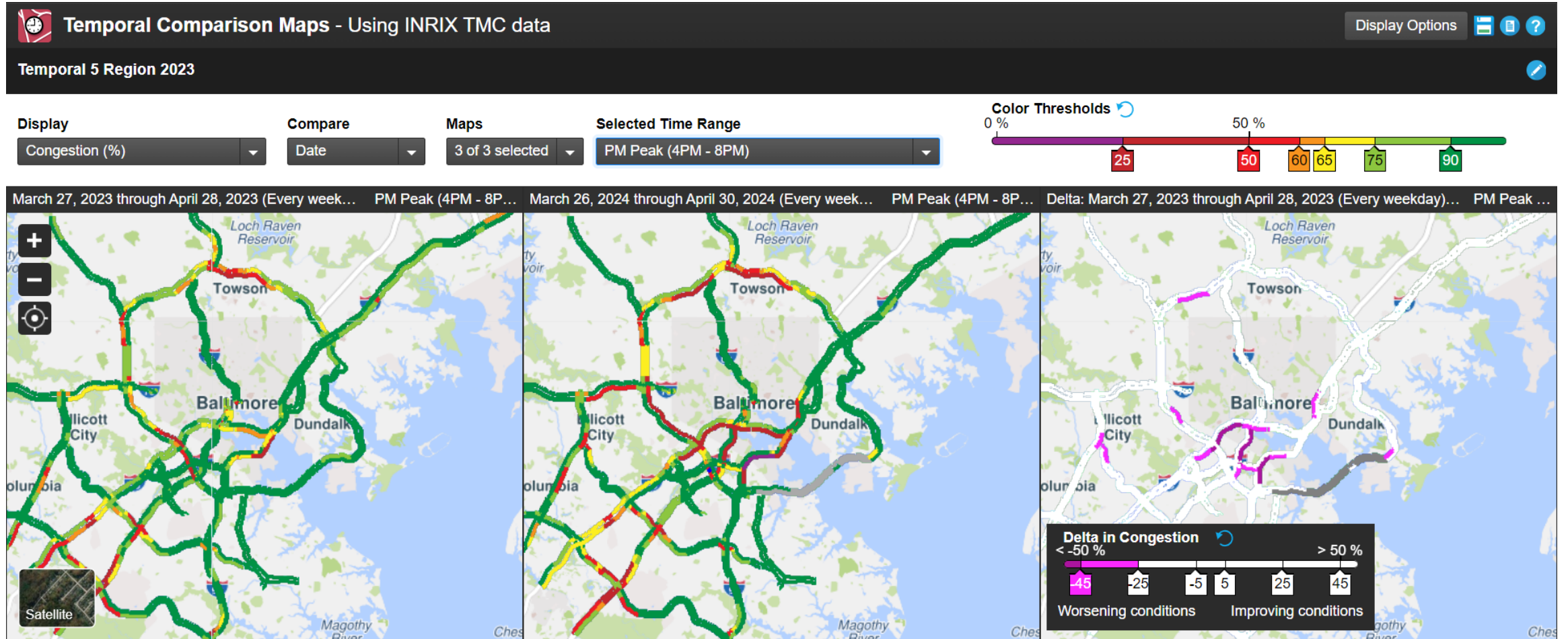
Methodology

- **Event Date: March 26th**
- **Baseline Data: 2023 weekdays**
- **Analysis: 2024 July**
- **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

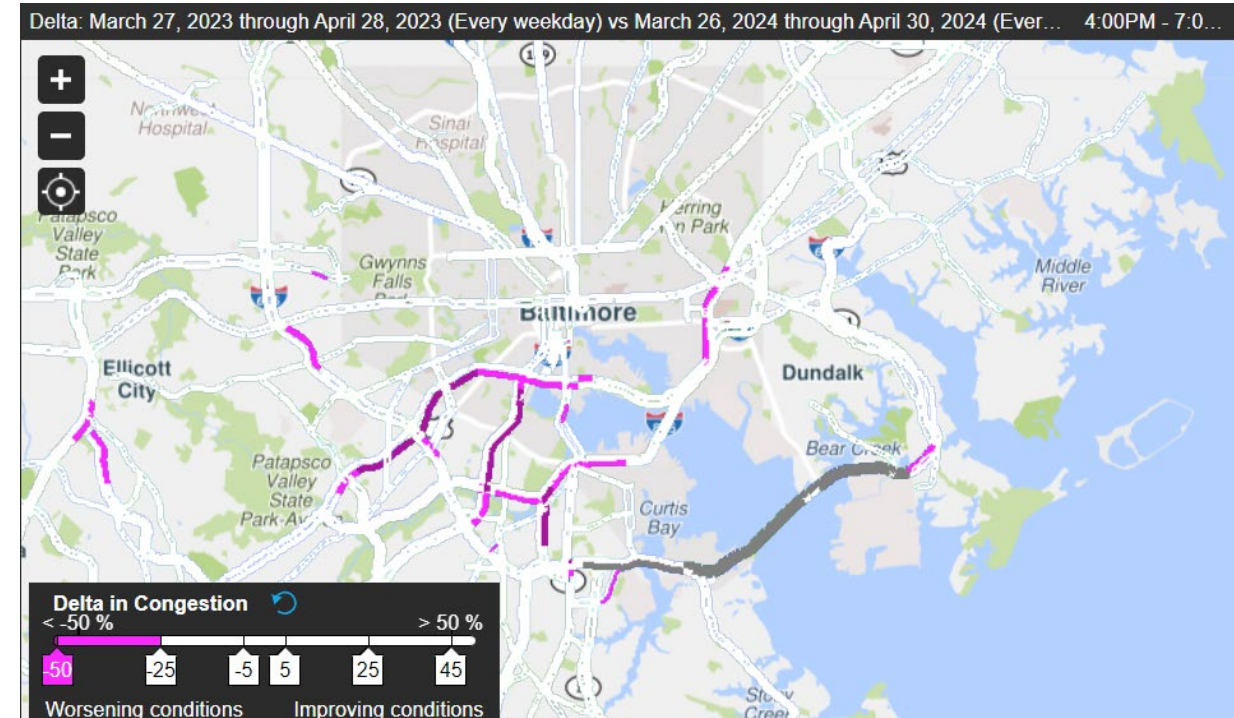
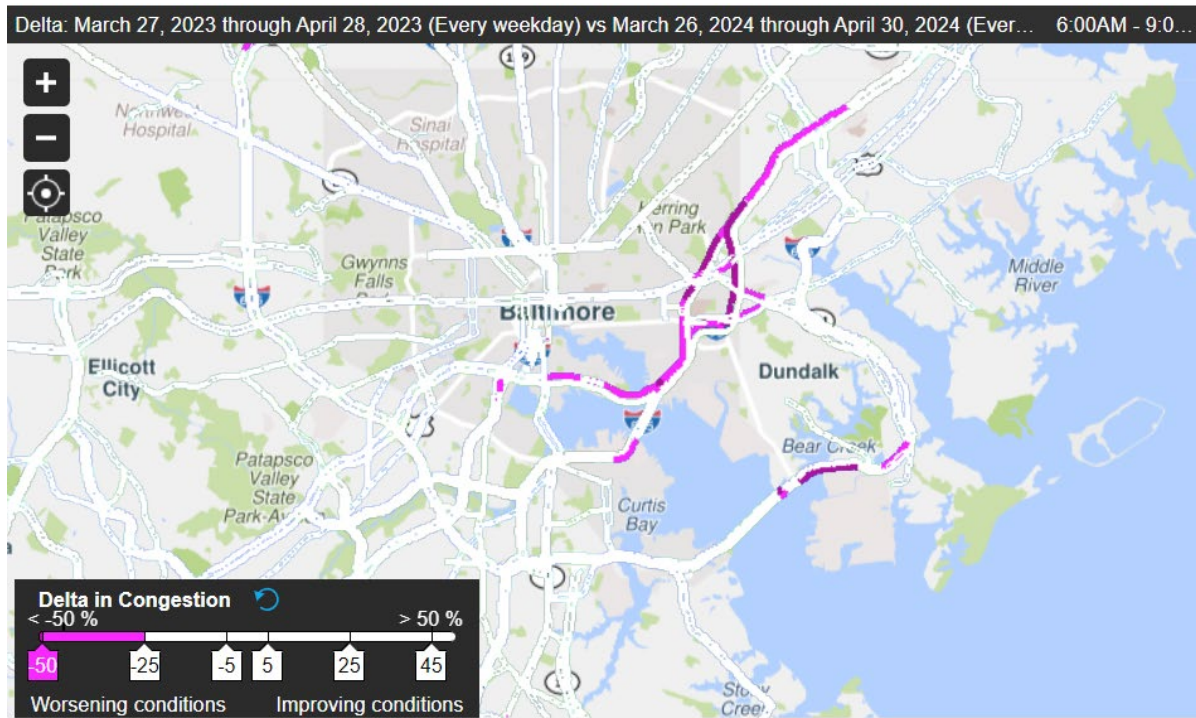


Increased Congestion Segments – Post Collapse

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

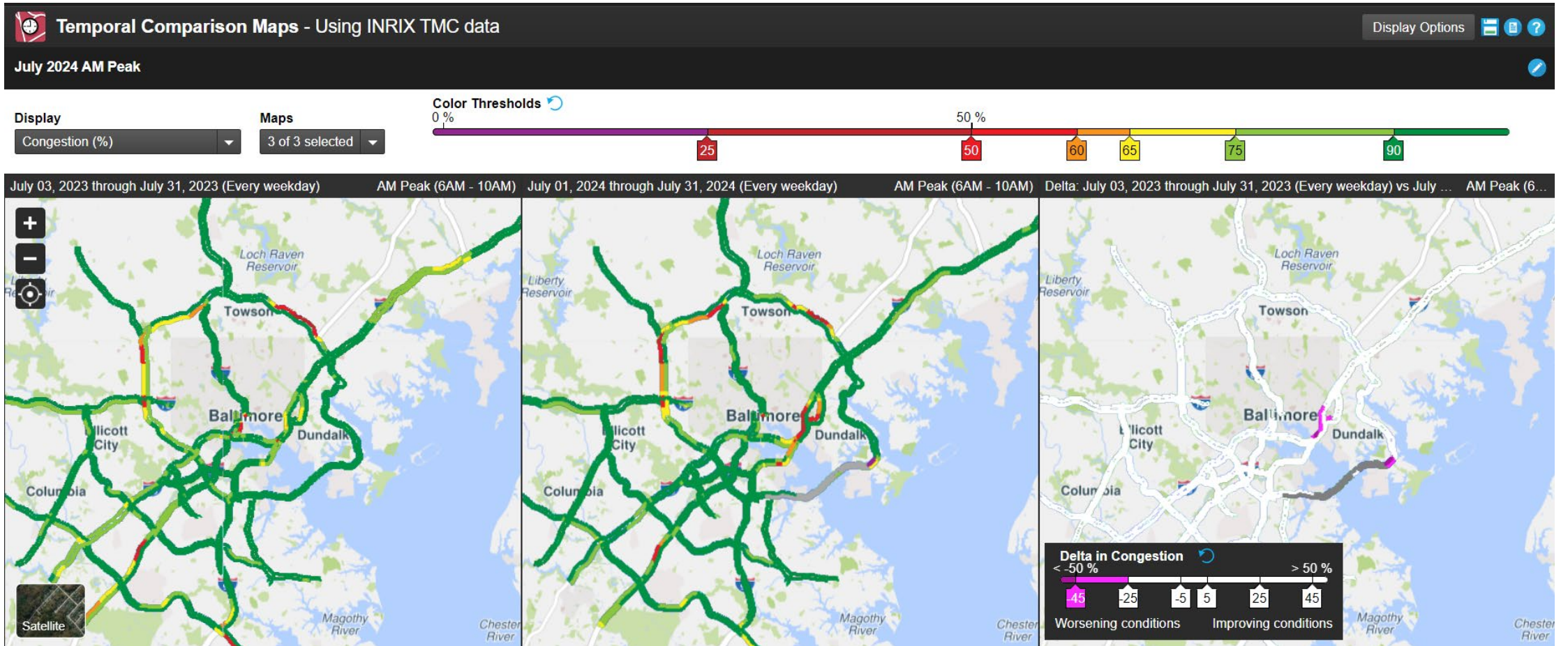
6-9 AM

4-7 PM

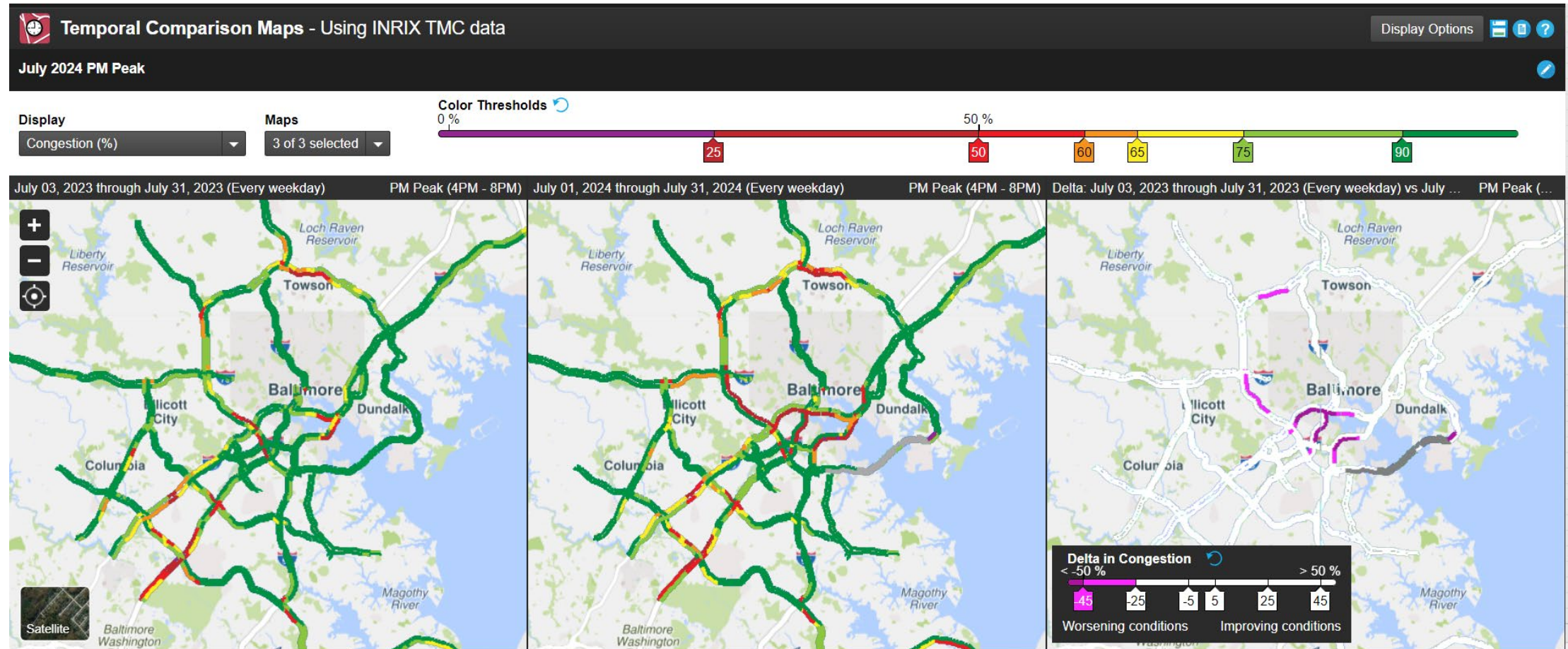


Key Bridge Travel Time Analysis – July 2024

Increased Congestion Segments AM Peak



Increased Congestion Segments PM Peak



July 2023/2024 Average Travel Time Comparisons

Weekdays

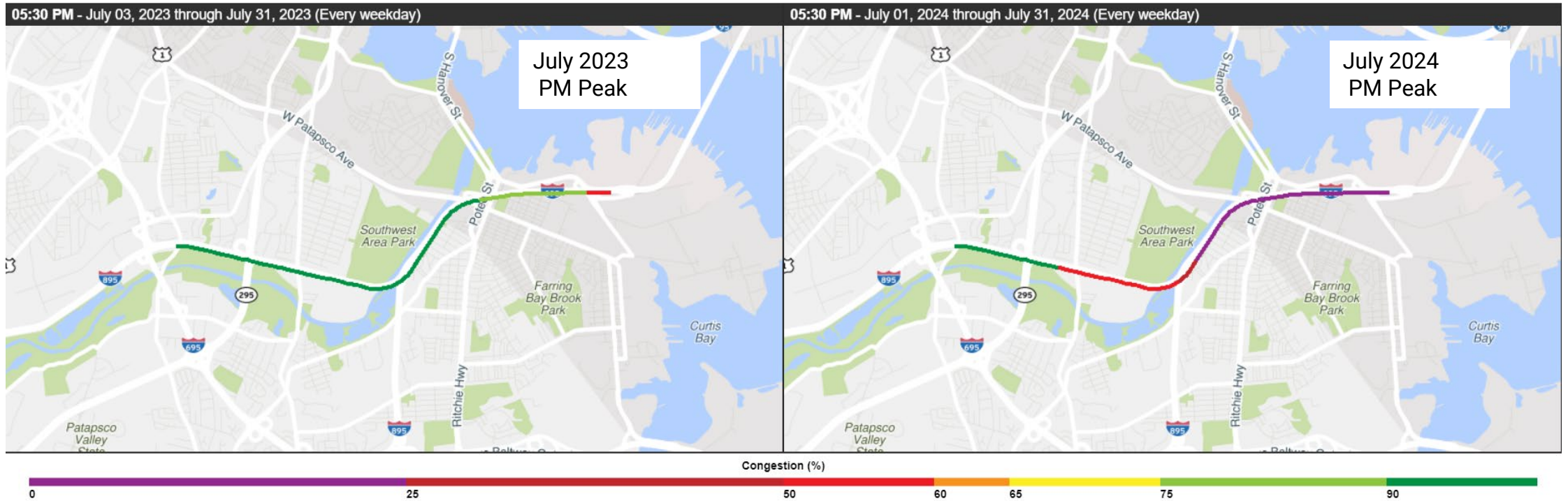
FSK Bridge Travel Times Before and After Collapse

Route	Segments	AM PM Peak	Length in Miles	Avg TT Jul-23	Avg TT Jul-24	% Change July 2023 to 2024	% Change June 2024 to July 2024
KB1	I-895 NB from MD-295 to Harbor Tunnel Toll Plaza	PM (4-7 PM)	4.35	4.61	13.27	187%	11%
KB2	I-895 Spur NB from MD-2/Ritchie Hwy to I-895 Merge	PM (4-7 PM)	2.74	2.97	4.37	47%	6%
KB3	I-95 NB from I-895/Exit 46 to Fort McHenry Tunnel	PM (4-7 PM)	10.00	12.44	24.90	100%	9%
KB4	I-895 SB from I-95/Exit 62 to Harbor Tunnel Toll Plaza	AM (6-9 AM)	6.87	9.70	13.83	43%	12%
KB5	I-95 SB from I-895 split to Fort McHenry Tunnel	AM (6-9 AM)	8.43	10.49	13.67	30%	8%
KB6	MD-295 NB from Patapsco Ave to Bayard St	PM (4-7 PM)	1.75	2.94	5.87	100%	8%
KB7	I-695 IL from Park Heights Ave to Greenspring Ave	PM (4-7 PM)	2.19	2.06	3.27	59%	8%
KB8	MD-150/Eastern Blvd WB from MD-151/North Pont Blvd to Kane St	AM (6-9 AM)	1.10	3.13	3.27	4%	3%
KB9	MD-2/Ritchie Hwy NB from MD-710 to MD-171	PM (4-7 PM)	1.69	4.16	4.55	9%	10%
KB10	I-695 OL from Reisterstown Rd to I-795	AM (6-9 AM)	2.16	2.69	3.35	25%	1%
KB11	Hanover Street NB (I-895 to Cromwell)	PM (4-7 PM)	1.47	3.08	3.52	14%	11%
KB12	US-40/Pulaski Hwy WB from City Line to N Haven St	AM (6-9 AM)	1.97	4.15	4.51	9%	3%
KB13	I-895 SB from I-95/Exit 62 to Harbor Tunnel Toll Plaza	PM (4-7 PM)	6.87	10.49	12.39	18%	9%
KB14	I-395 SB to I-95 NB (East Pratt to I-95)	PM (4-7 PM)	1.62	2.99	3.96	32%	6%
KB15	MLK Blvd SB from W Baltimore St to I-395	PM (4-7 PM)	0.83	1.89	2.28	21%	4%
KB16	I-395 SB to I-95 SB (East Pratt to I-95)	PM (4-7 PM)	1.50	2.60	3.05	17%	15%

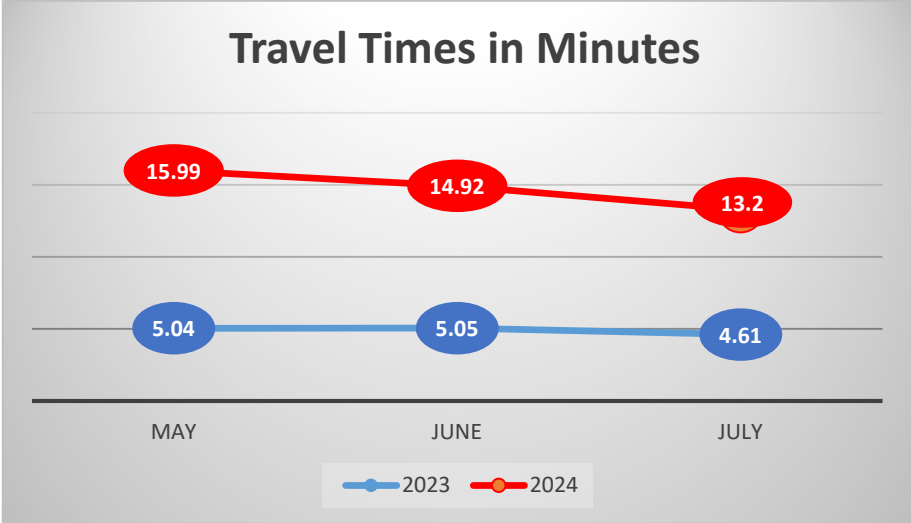
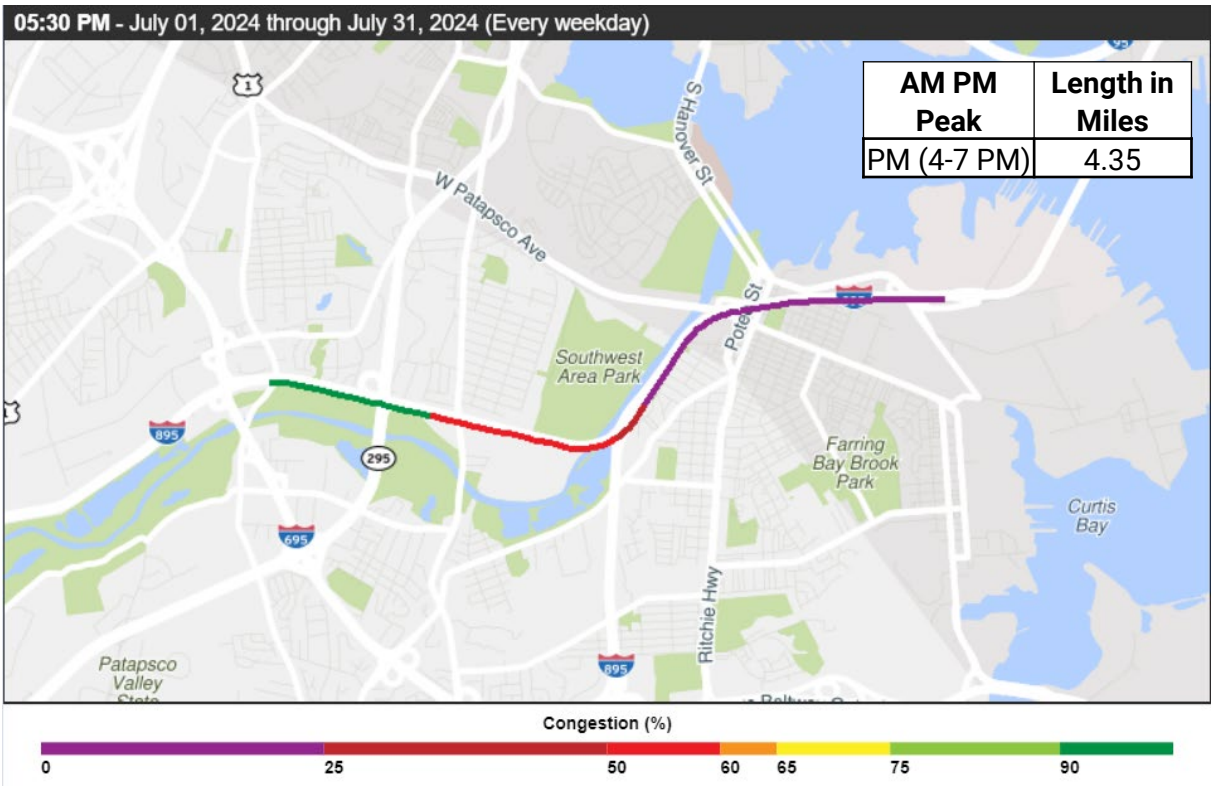
AVG TT minutes
 Percent increase in Travel Time
 Percent decrease in Travel time

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

Congestion Percentage = % of Free Flow Speed



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

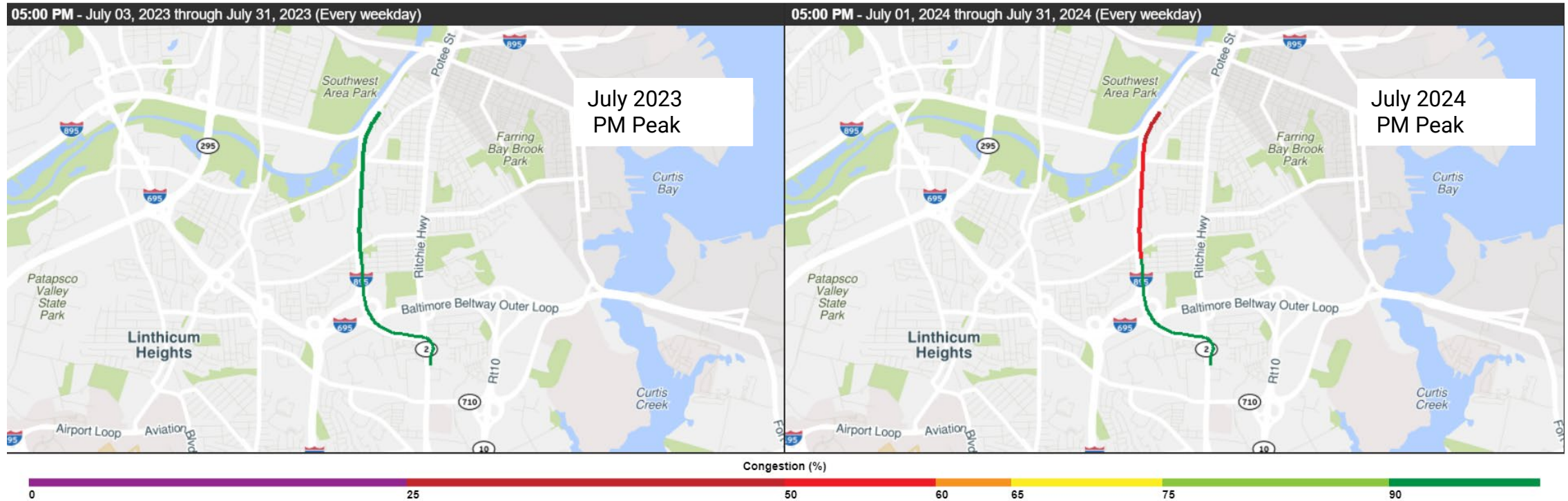


% Change July 2023 to 2024	% Change From Previous Month
187%	11%

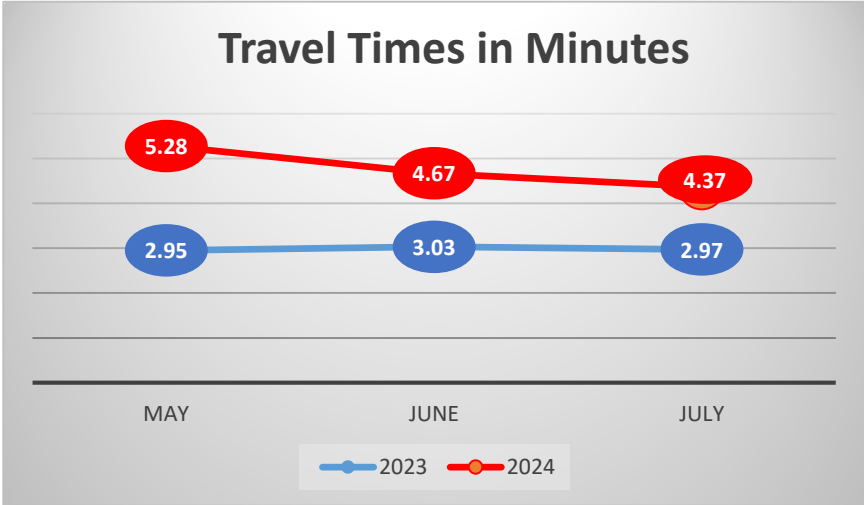
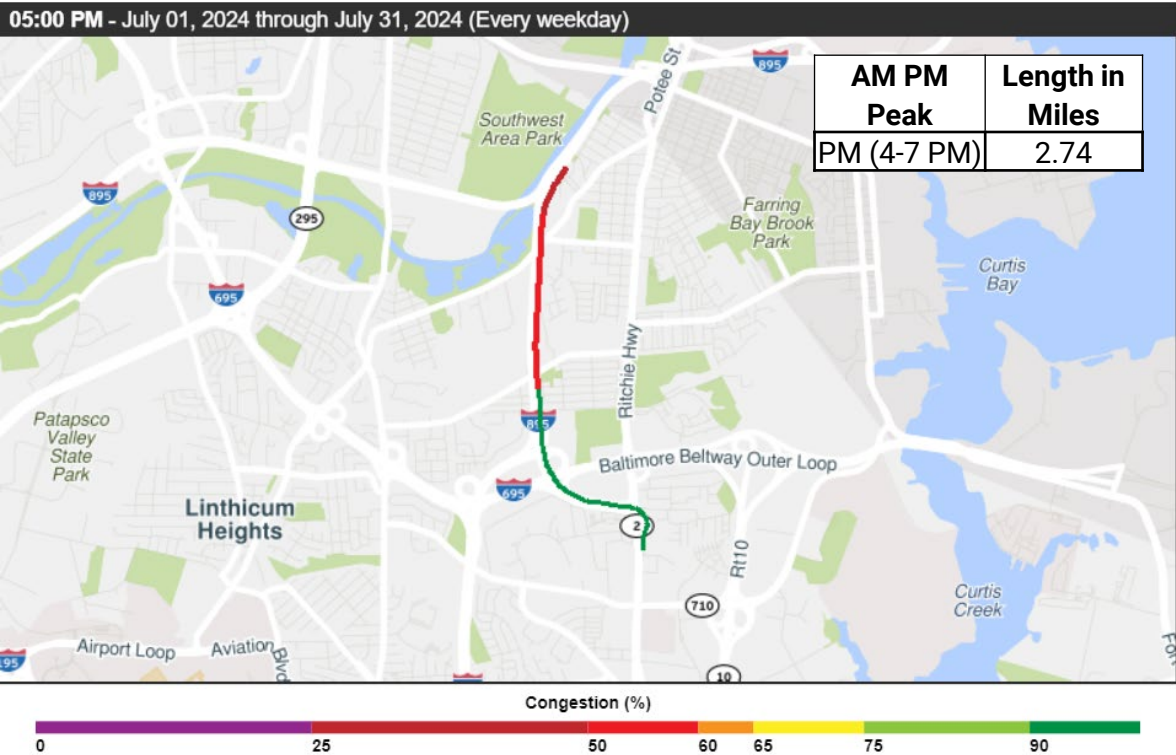
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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

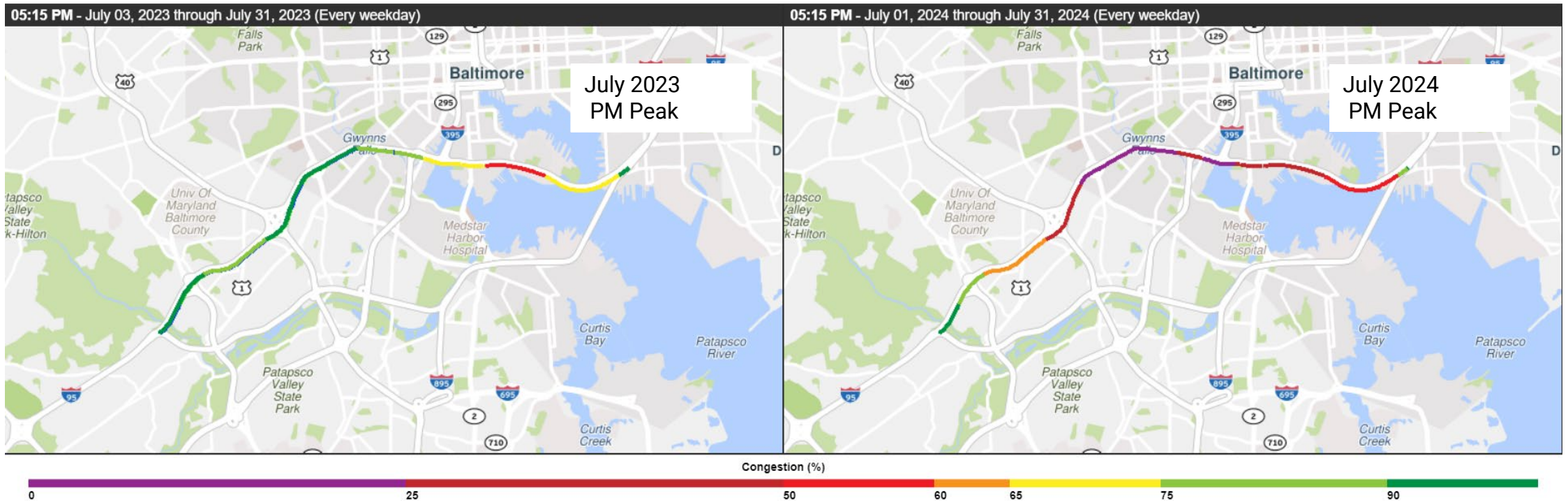


% Change July 2023 to 2024	% Change From Previous Month
47%	6%

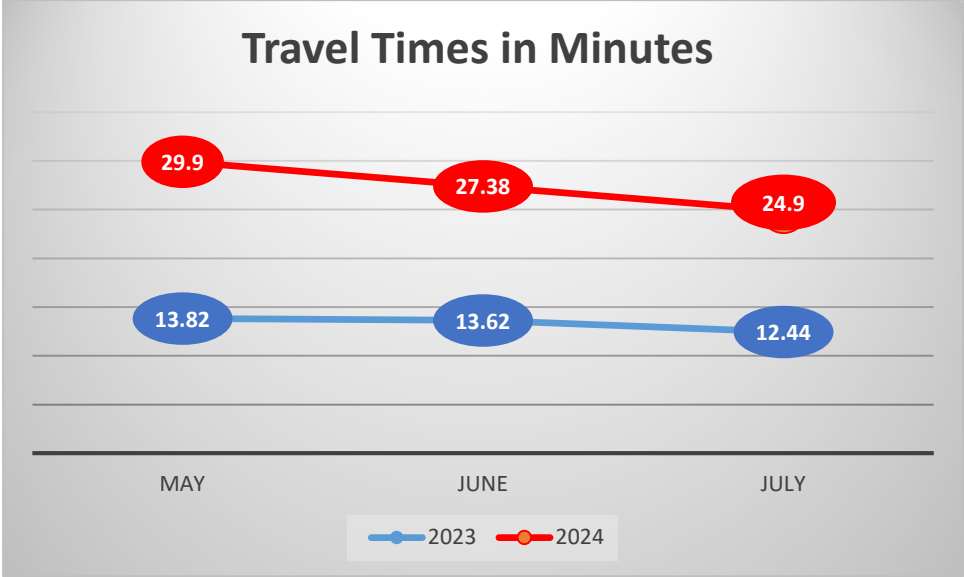
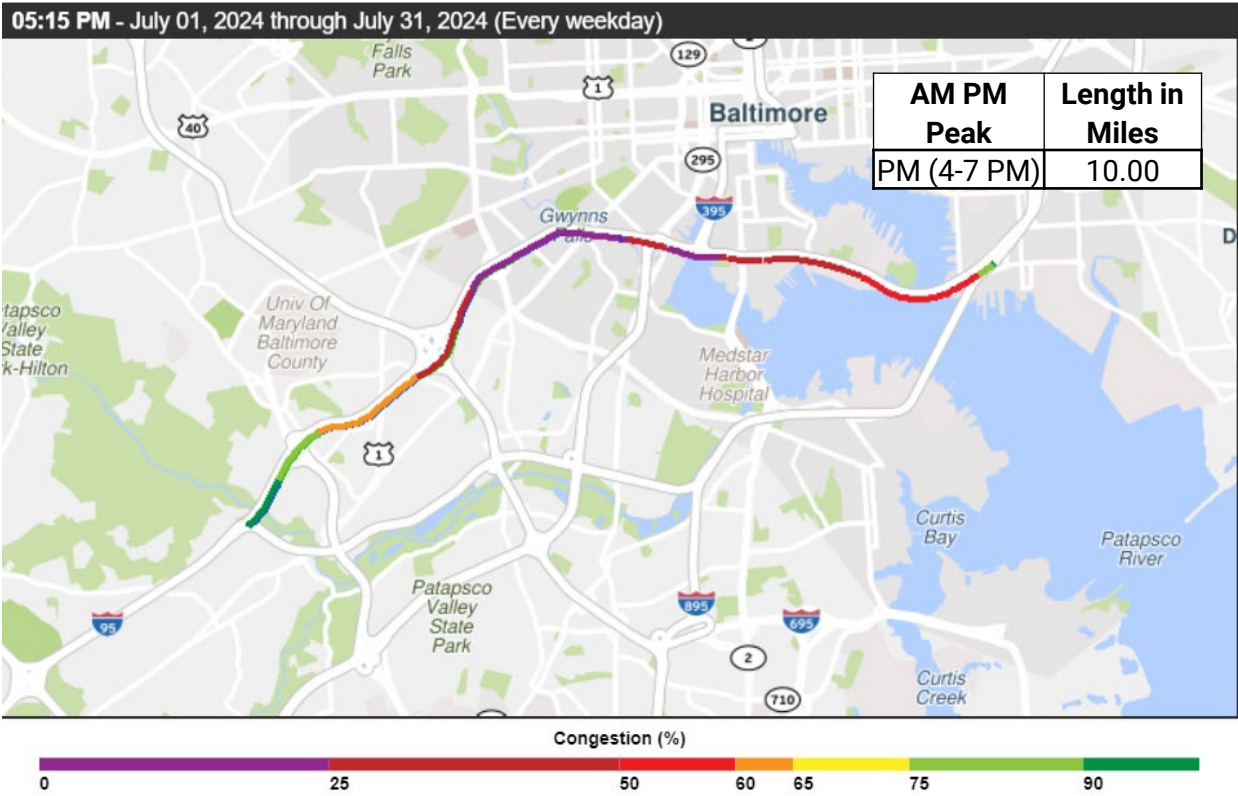
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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

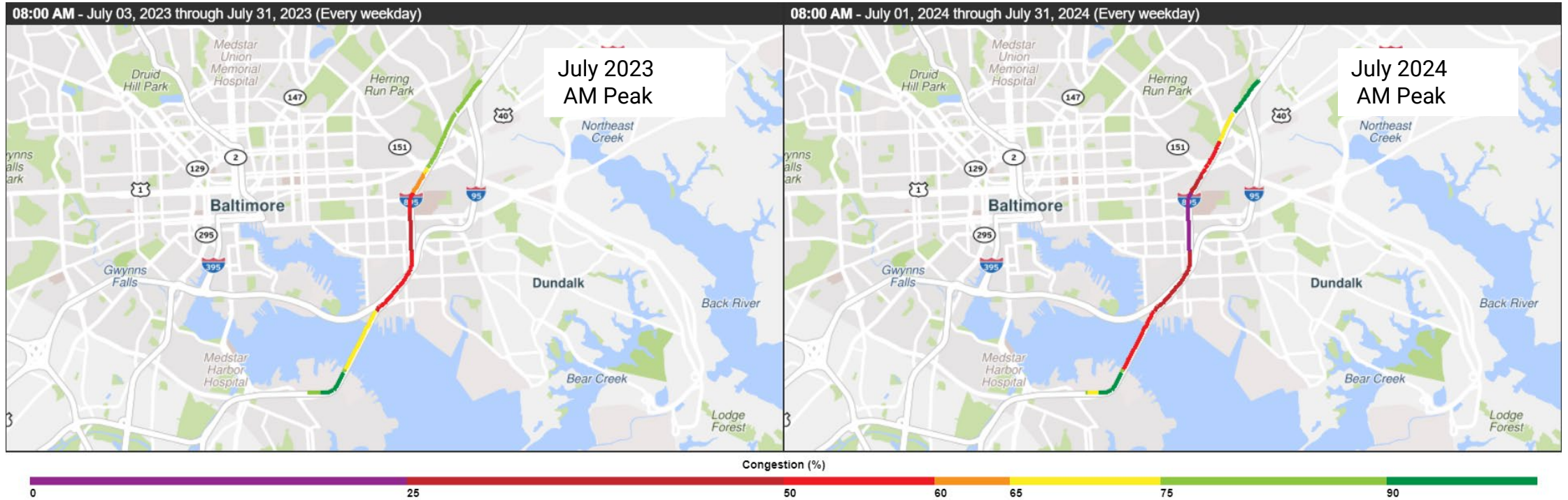


% Change July 2023 to 2024	% Change From Previous Month
100%	9%

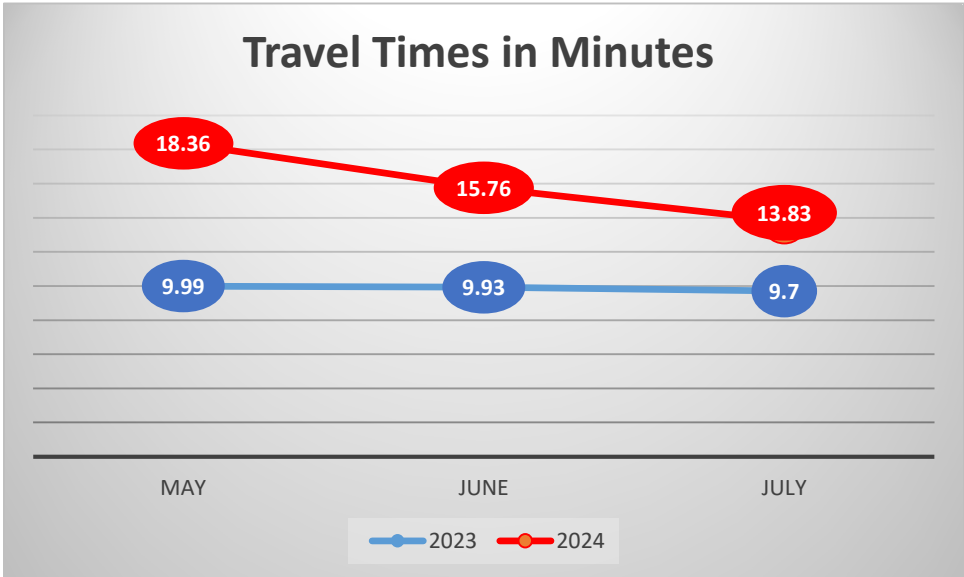
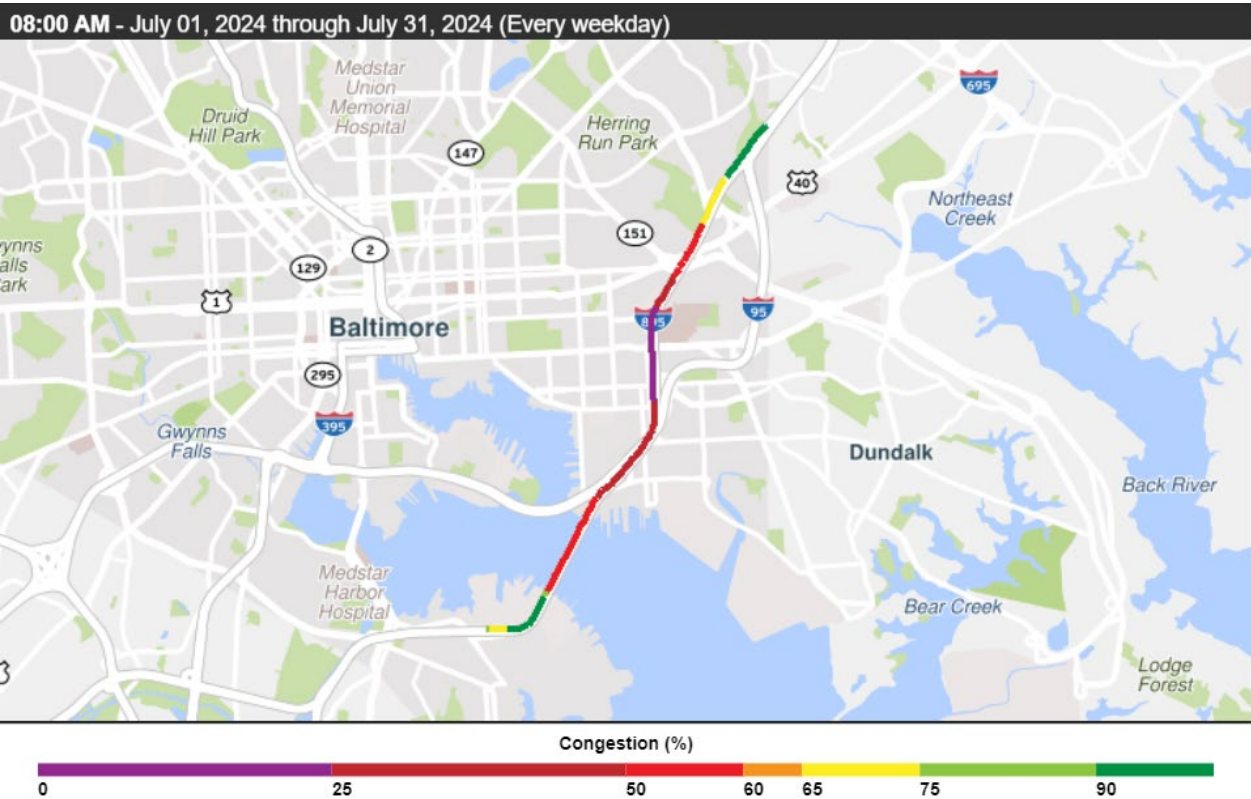
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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

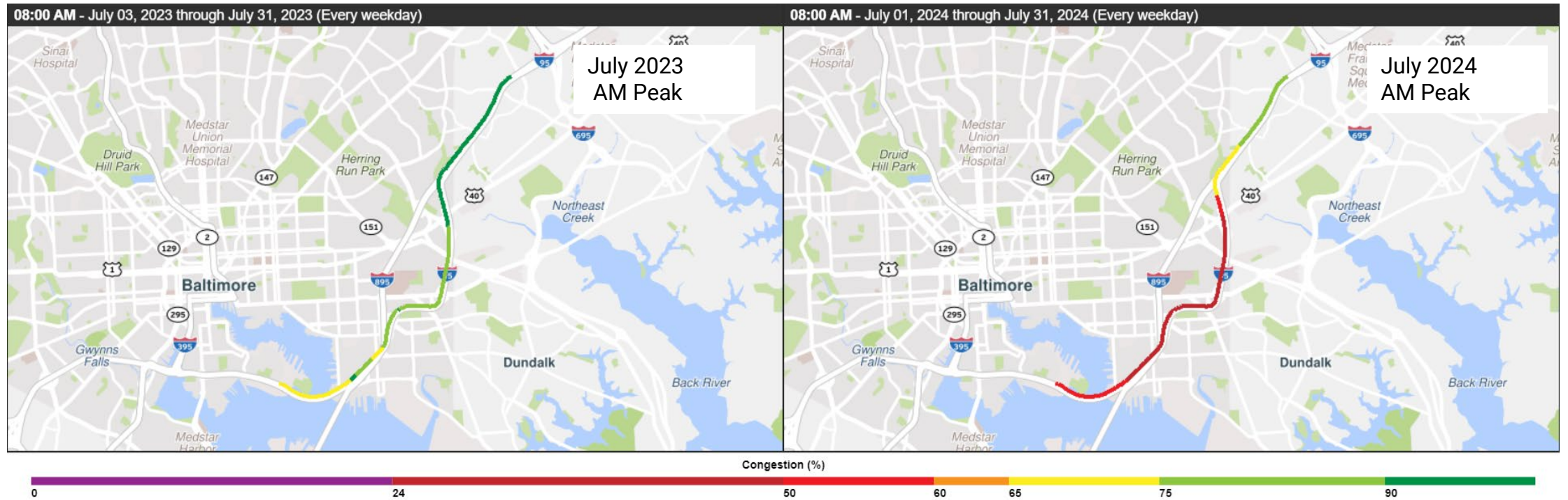


% Change July 2023 to 2024	% Change From Previous Month
43%	12%

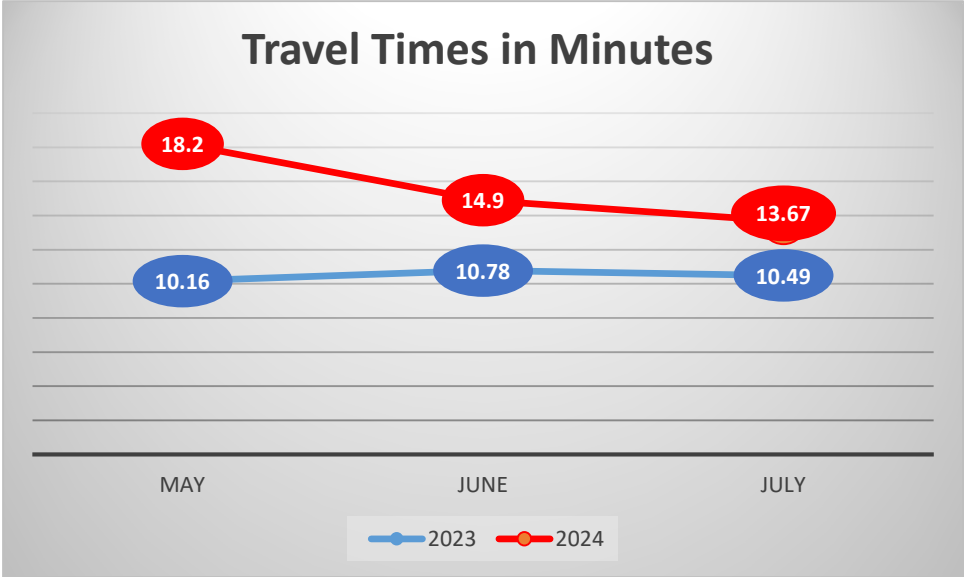
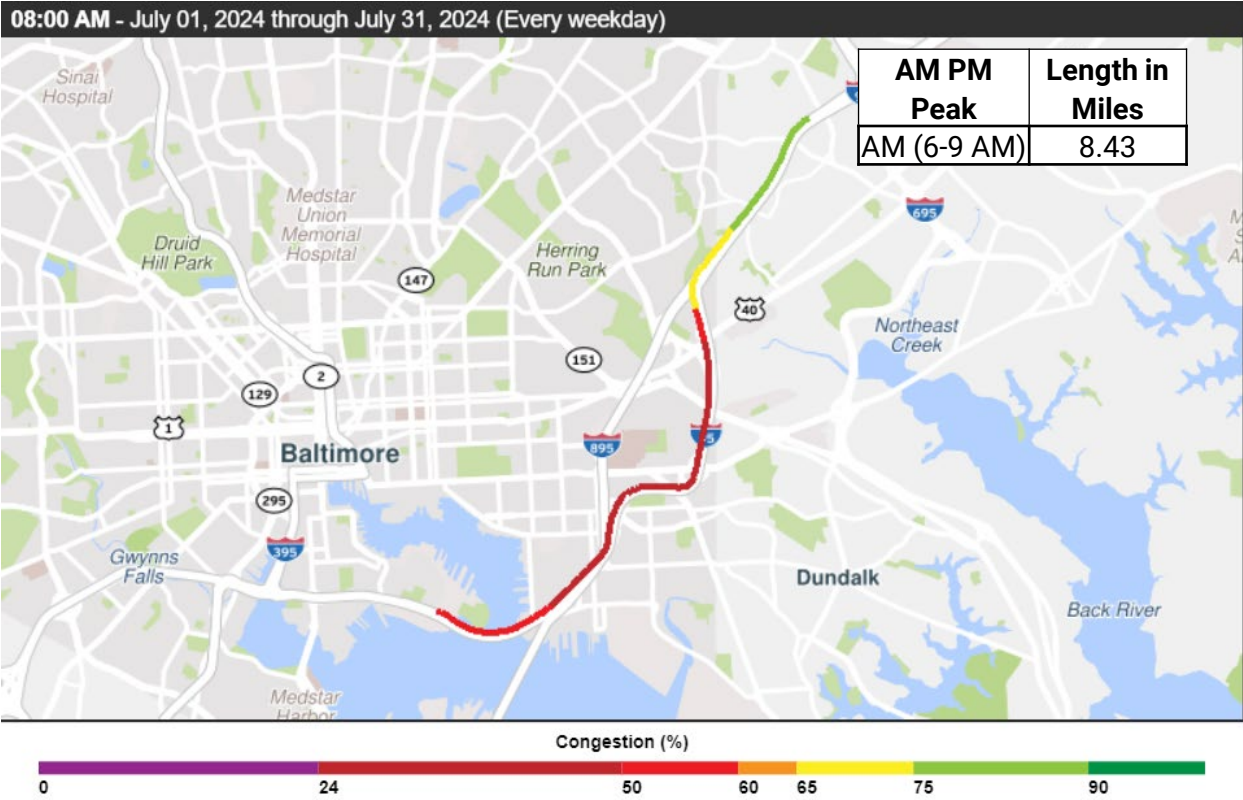
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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

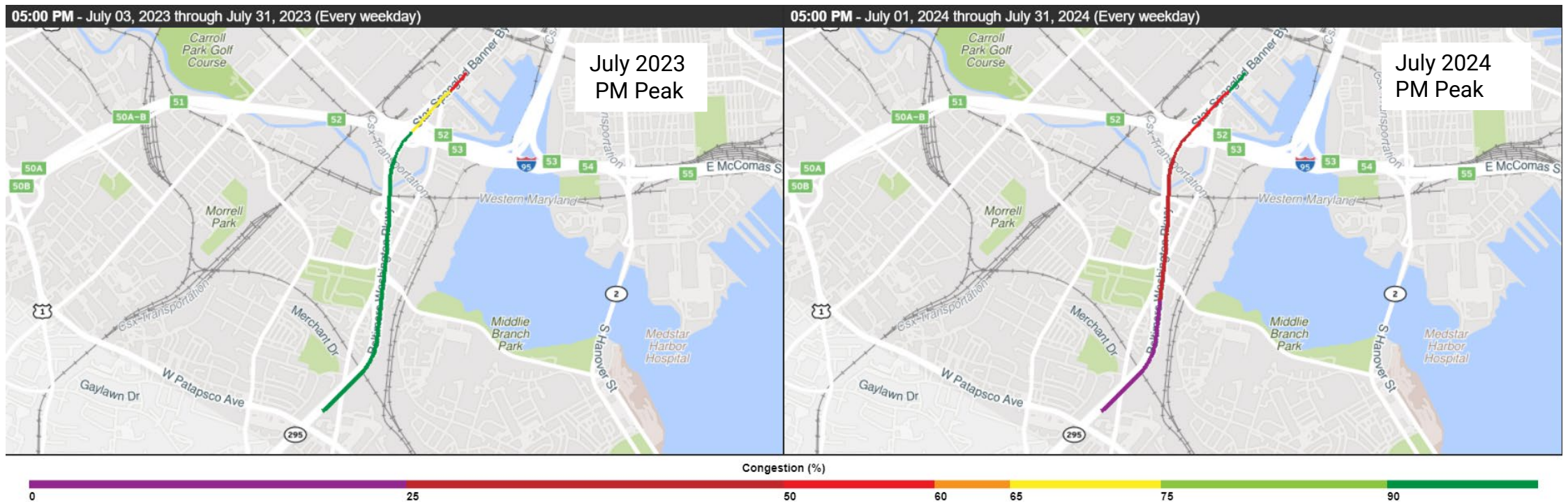


% Change July 2023 to 2024	% Change From Previous Month
30%	8%

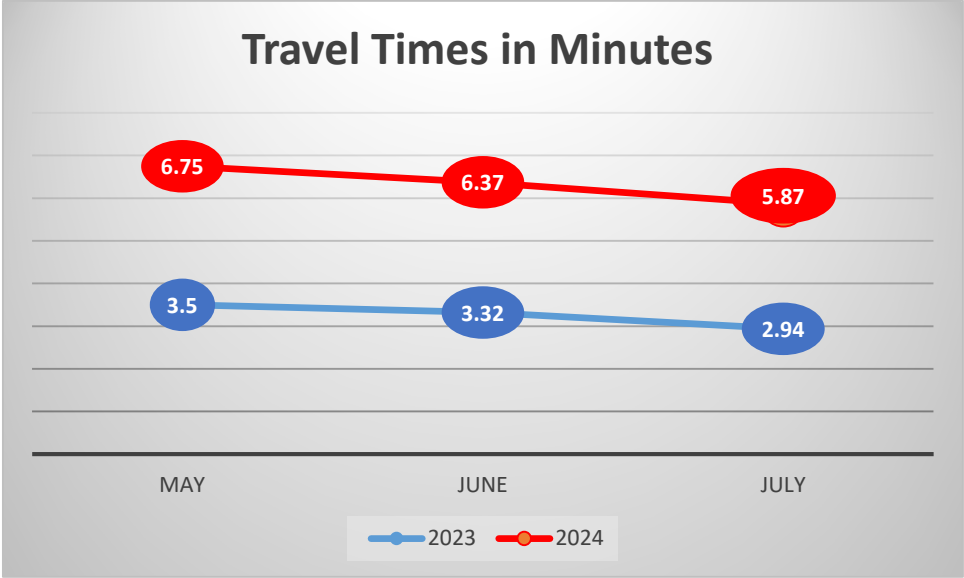
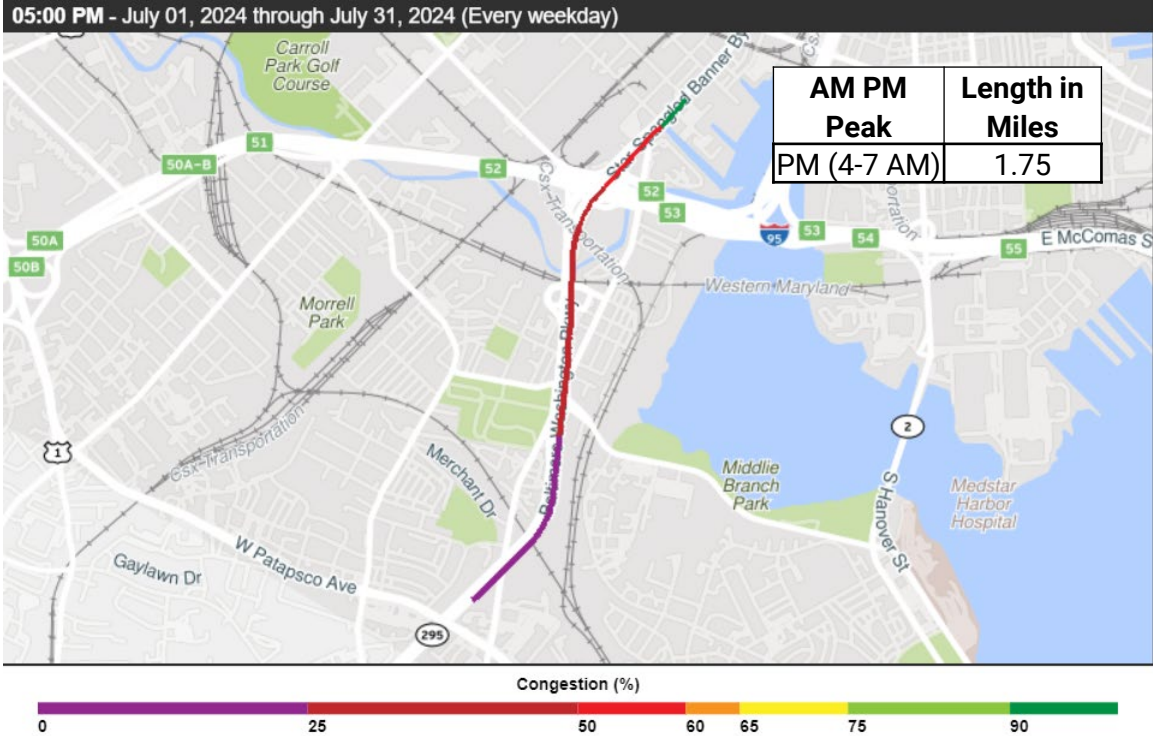
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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

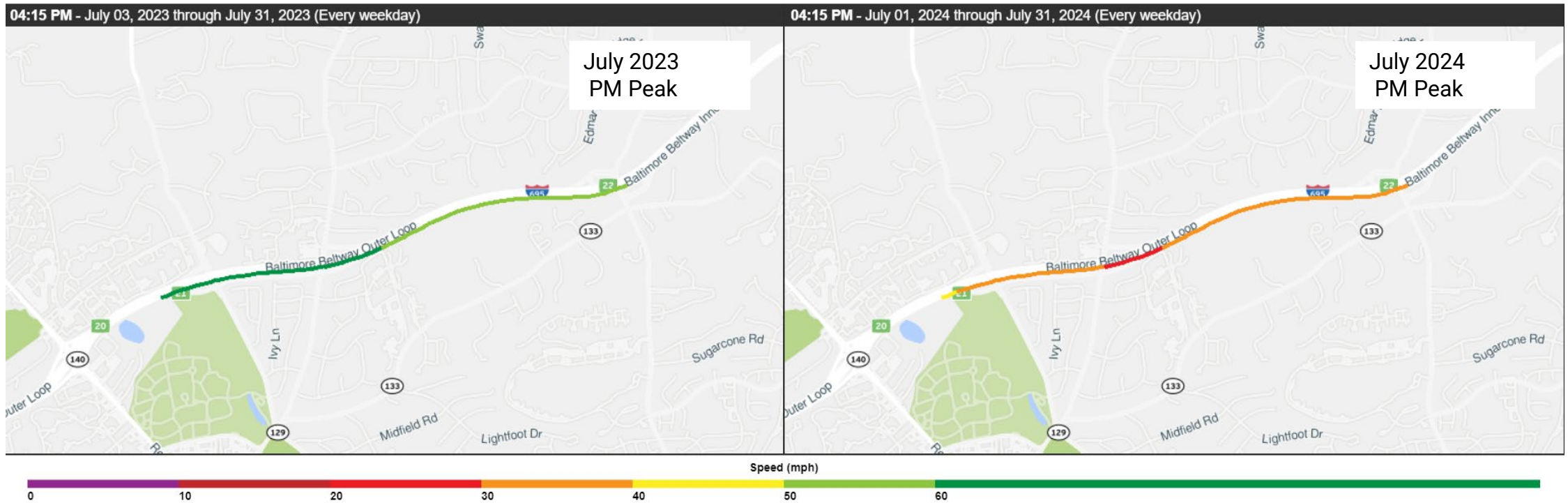


% Change July 2023 to 2024	% Change From Previous Month
100%	8%

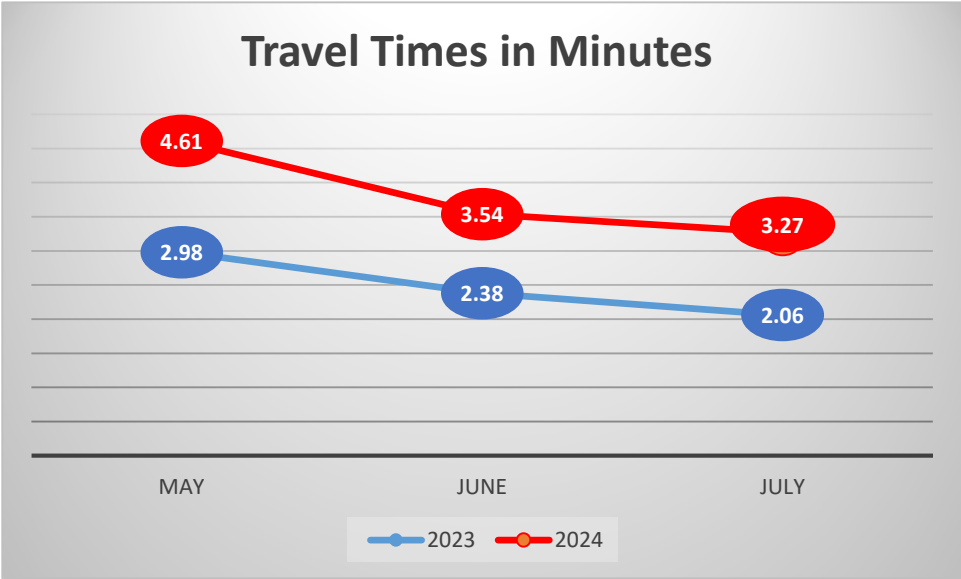
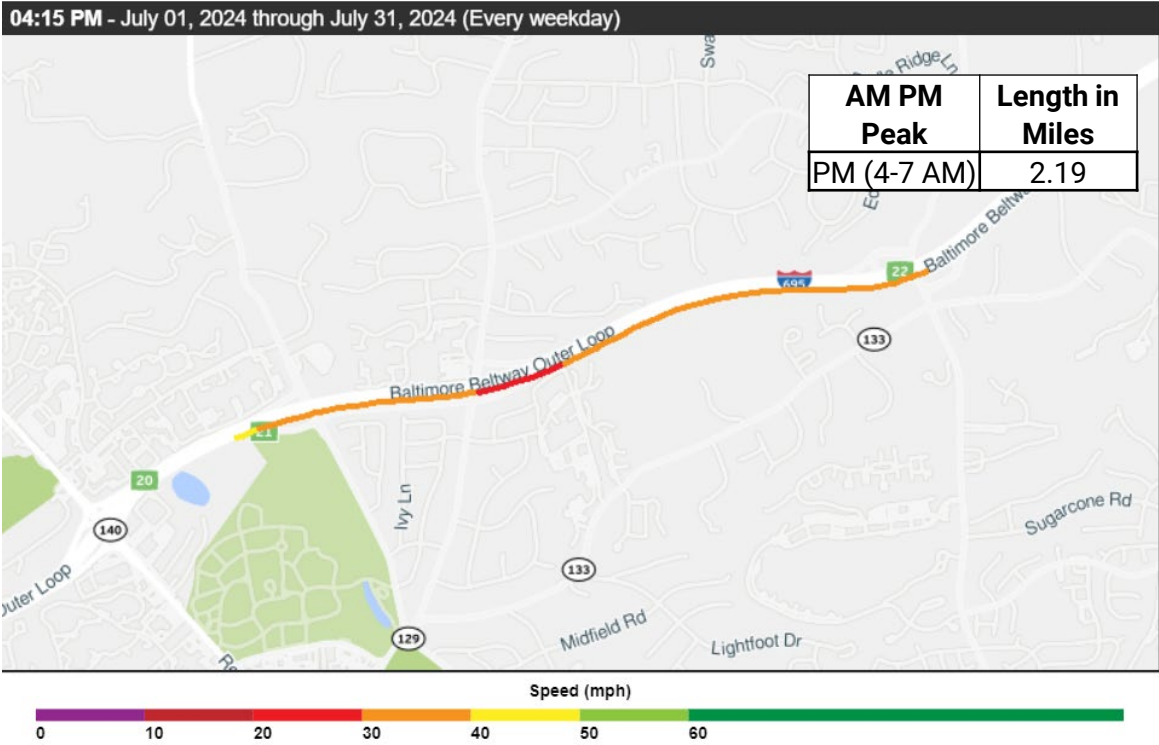
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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

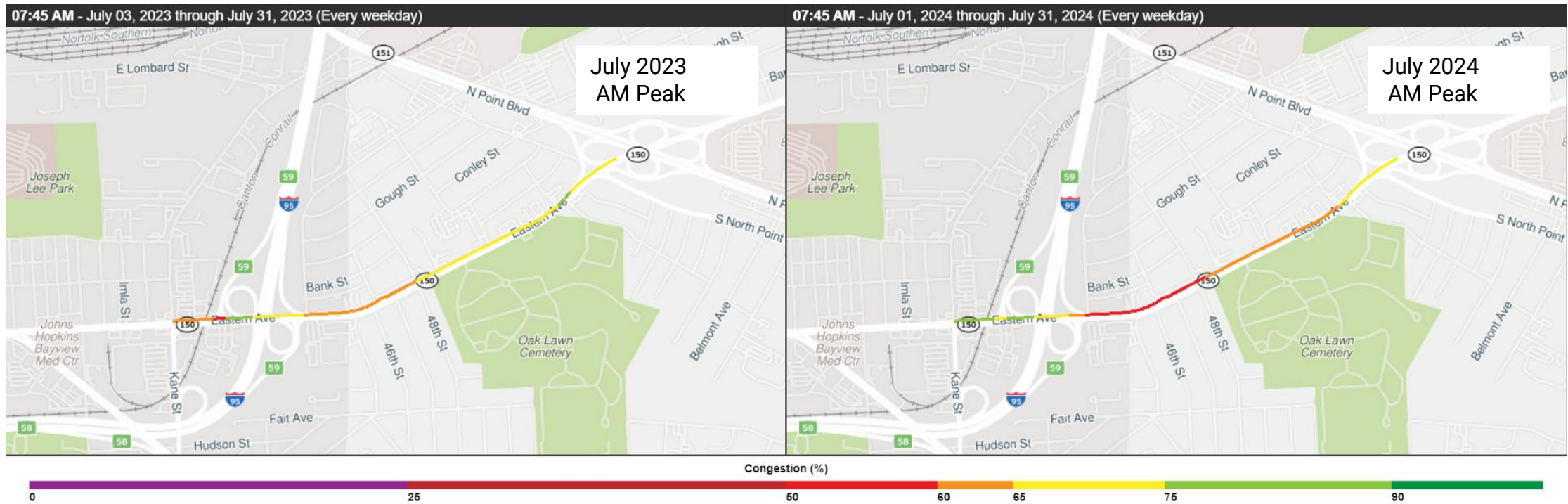


% Change July 2023 to 2024	% Change From Previous Month
59%	8%

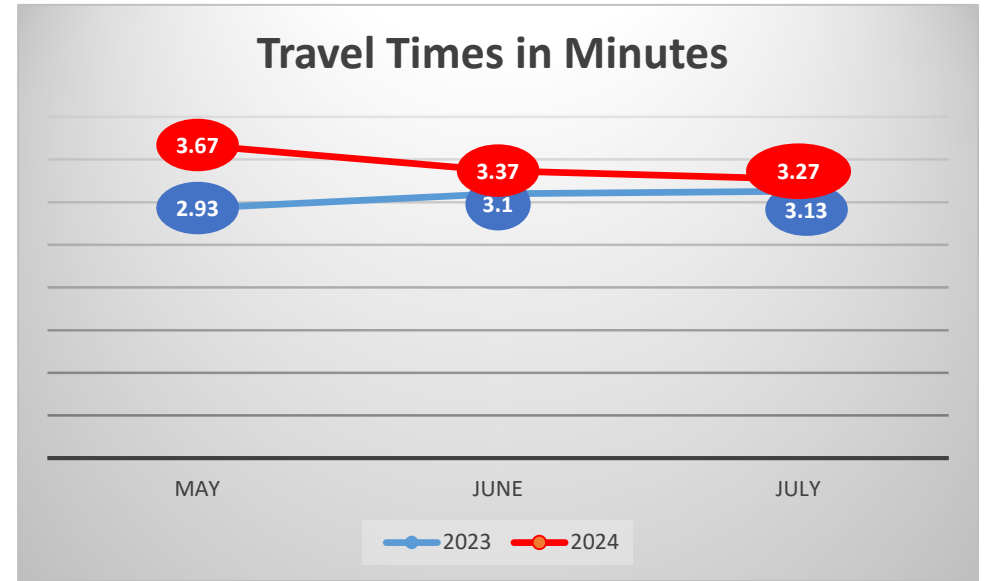
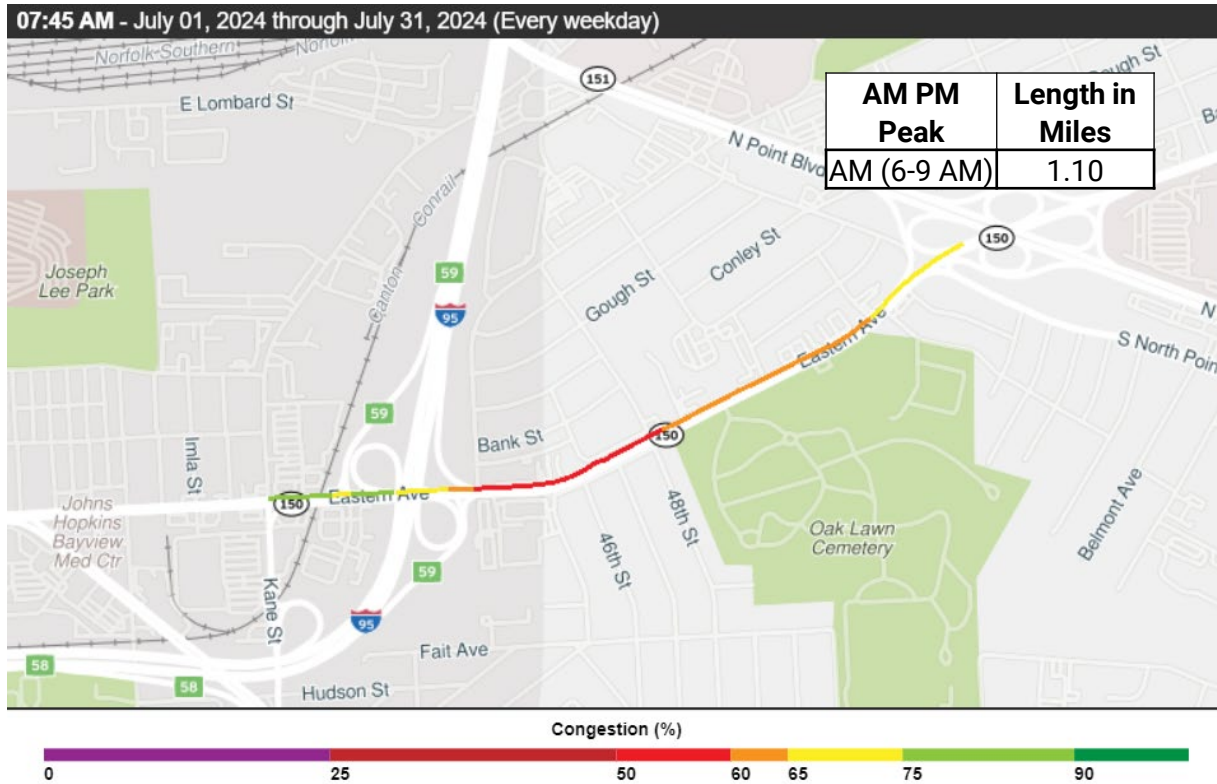
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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

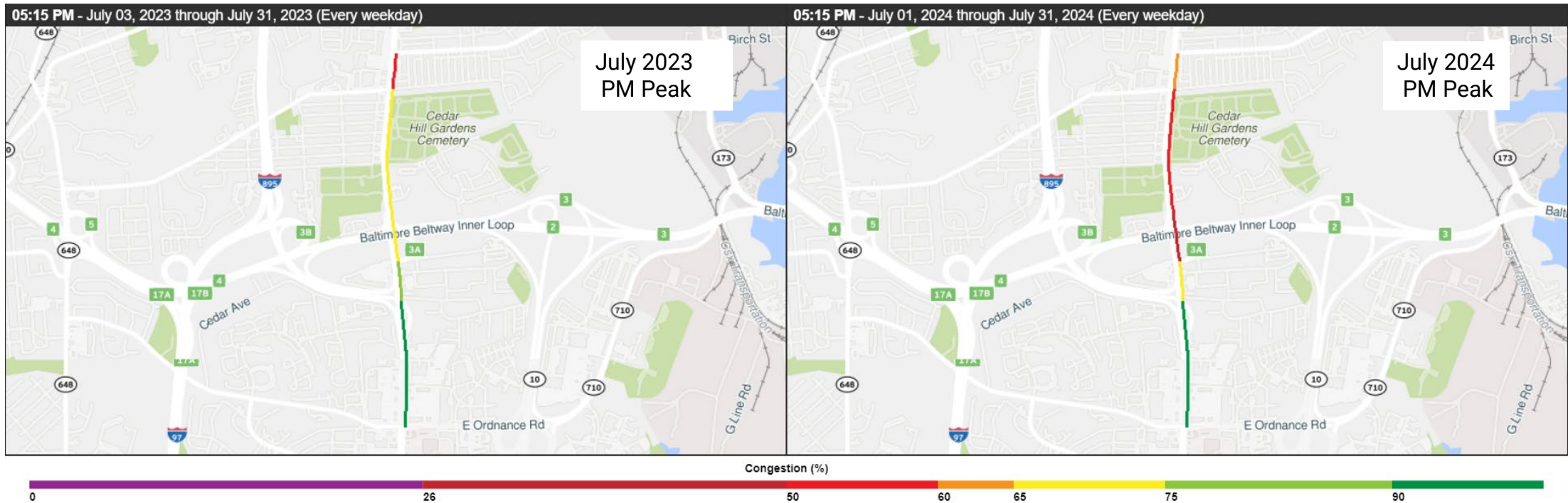


% Change July 2023 to 2024	% Change From Previous Month
4%	3%

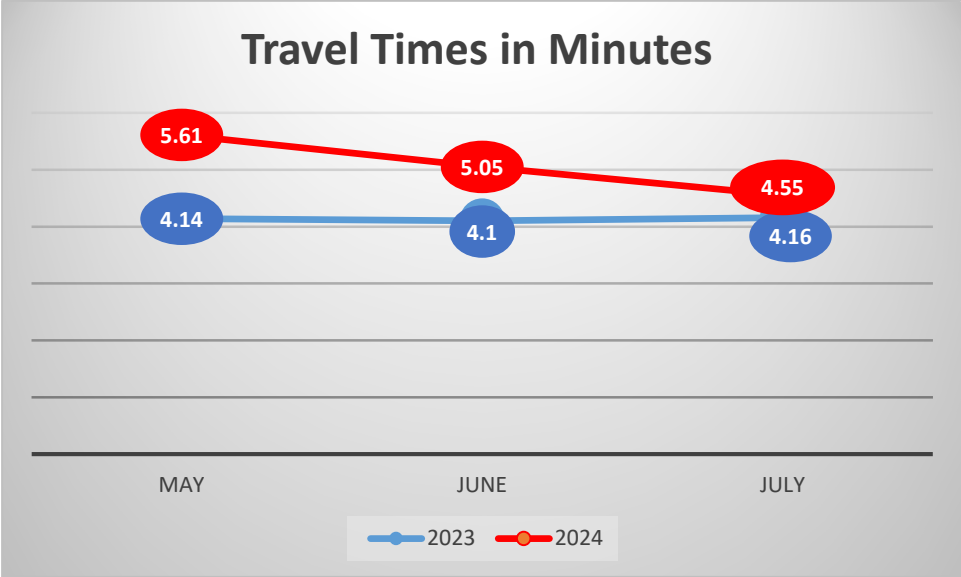
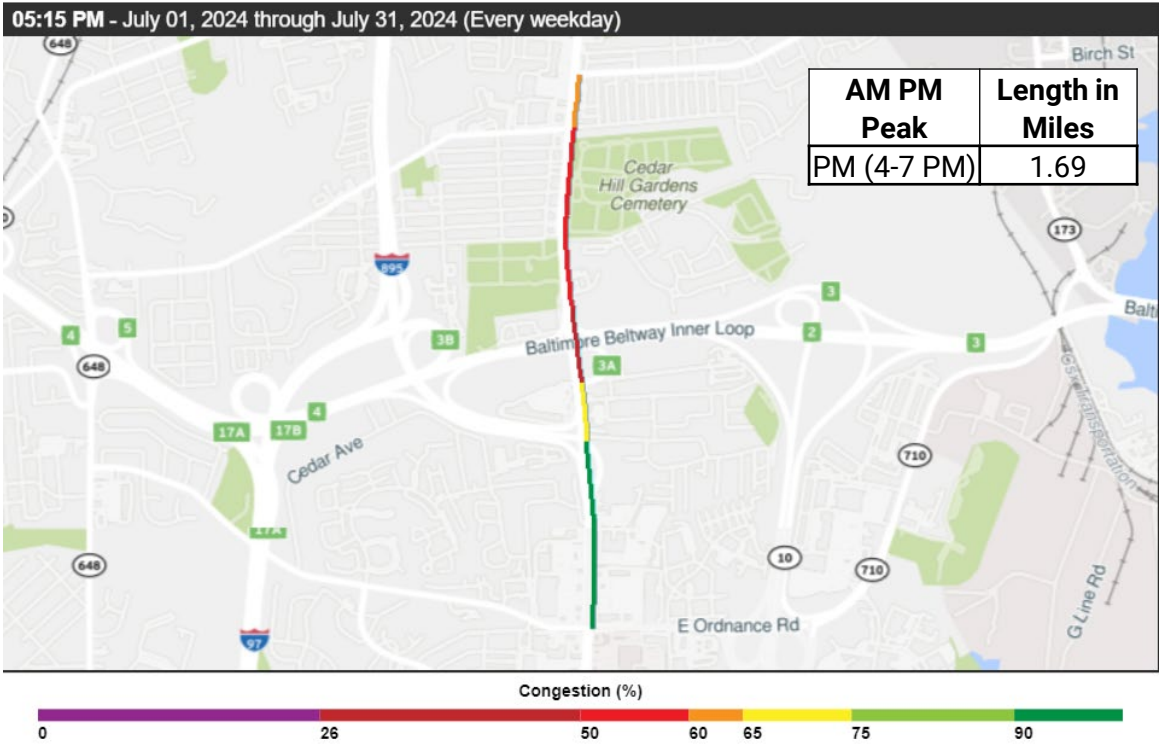
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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

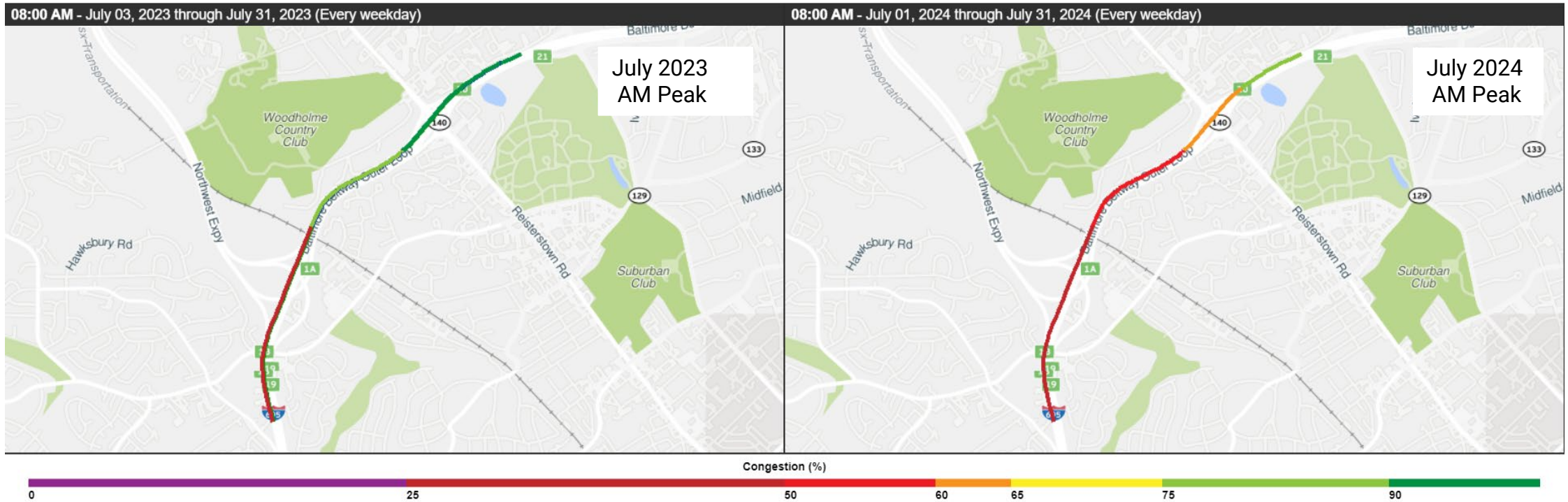


% Change July 2023 to 2024	% Change From Previous Month
9%	10%

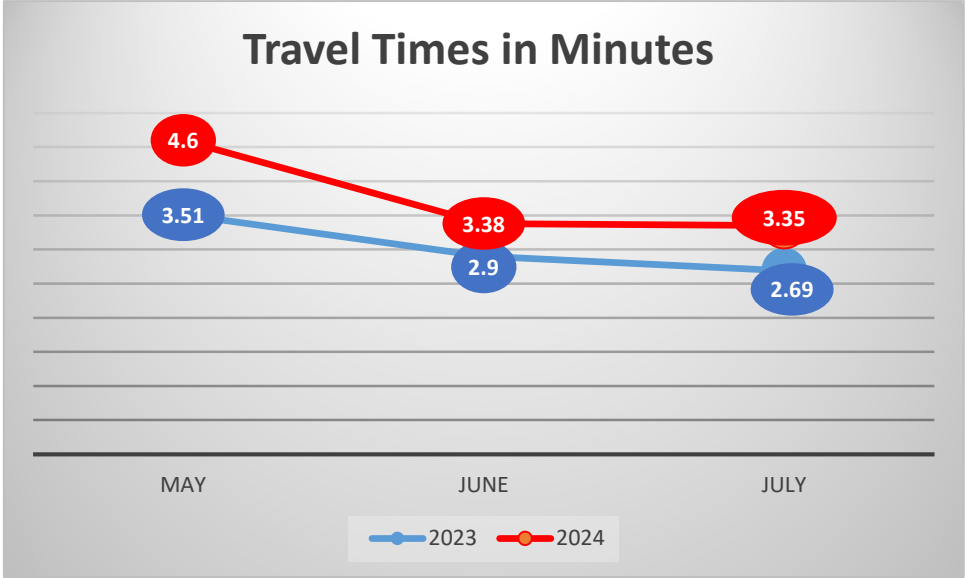
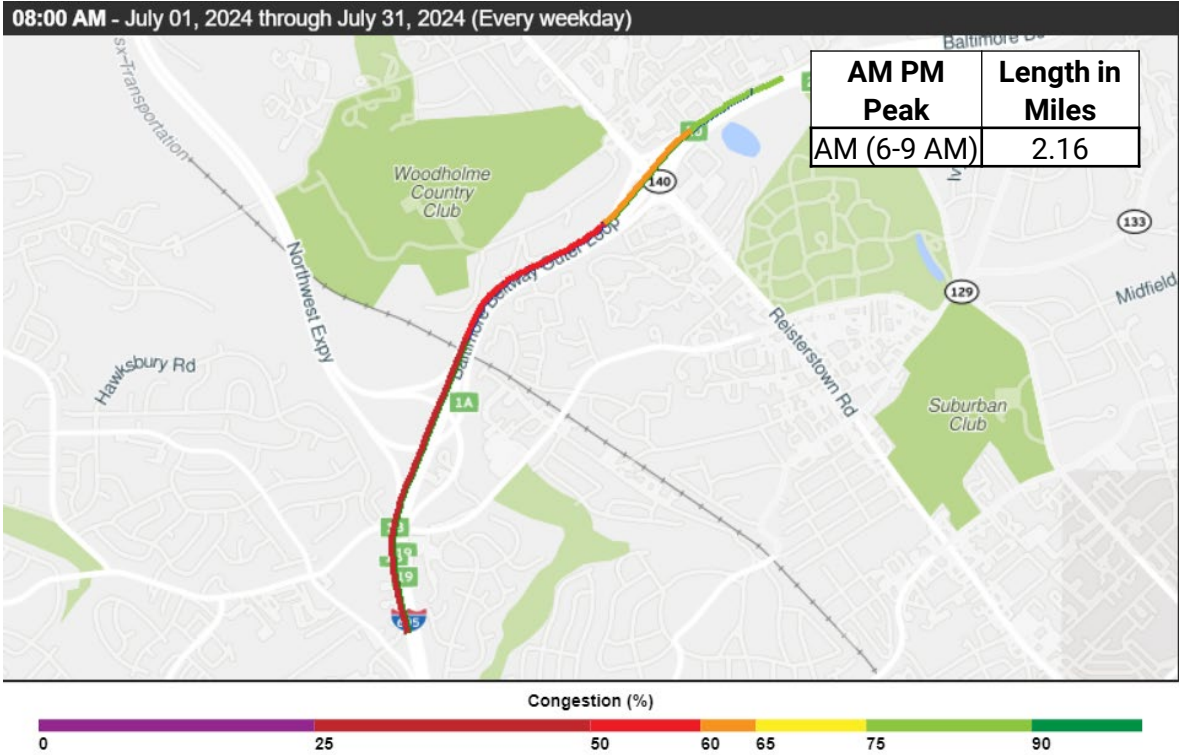
Congestion Percentage = % of Free Flow Speed

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

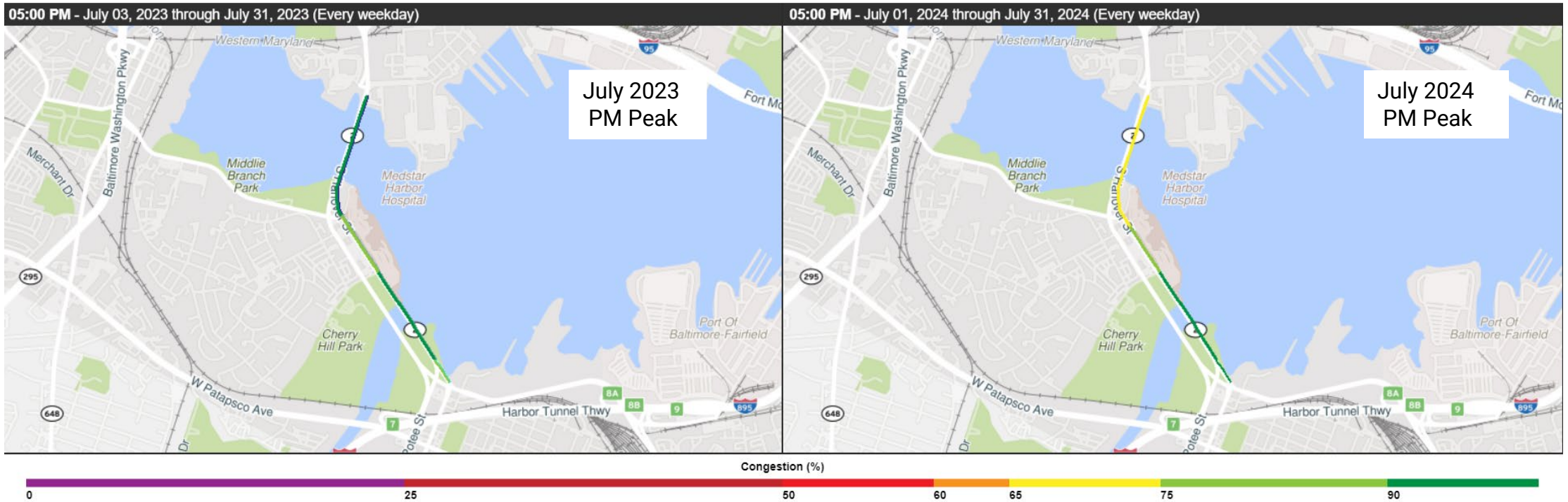


% Change July 2023 to 2024	% Change From Previous Month
25%	1%

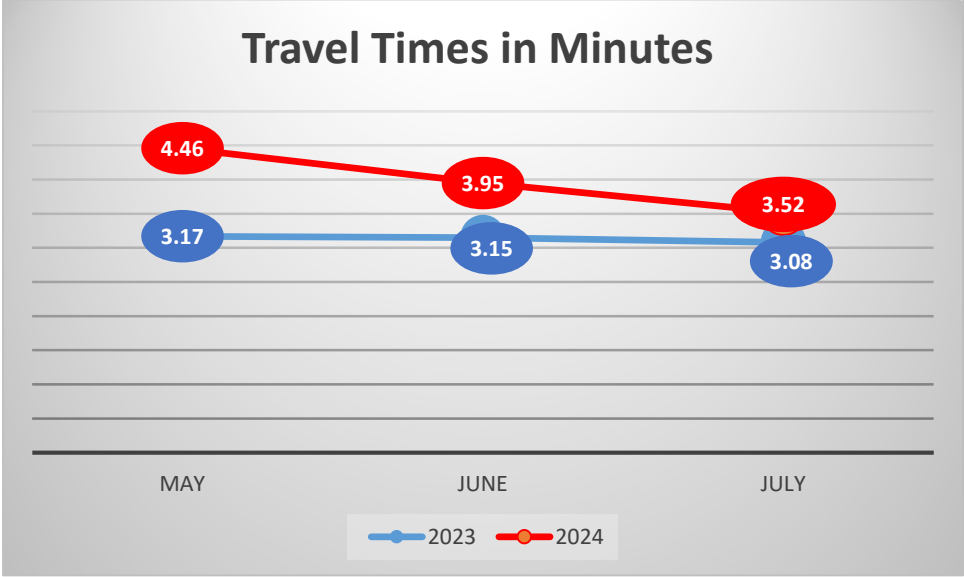
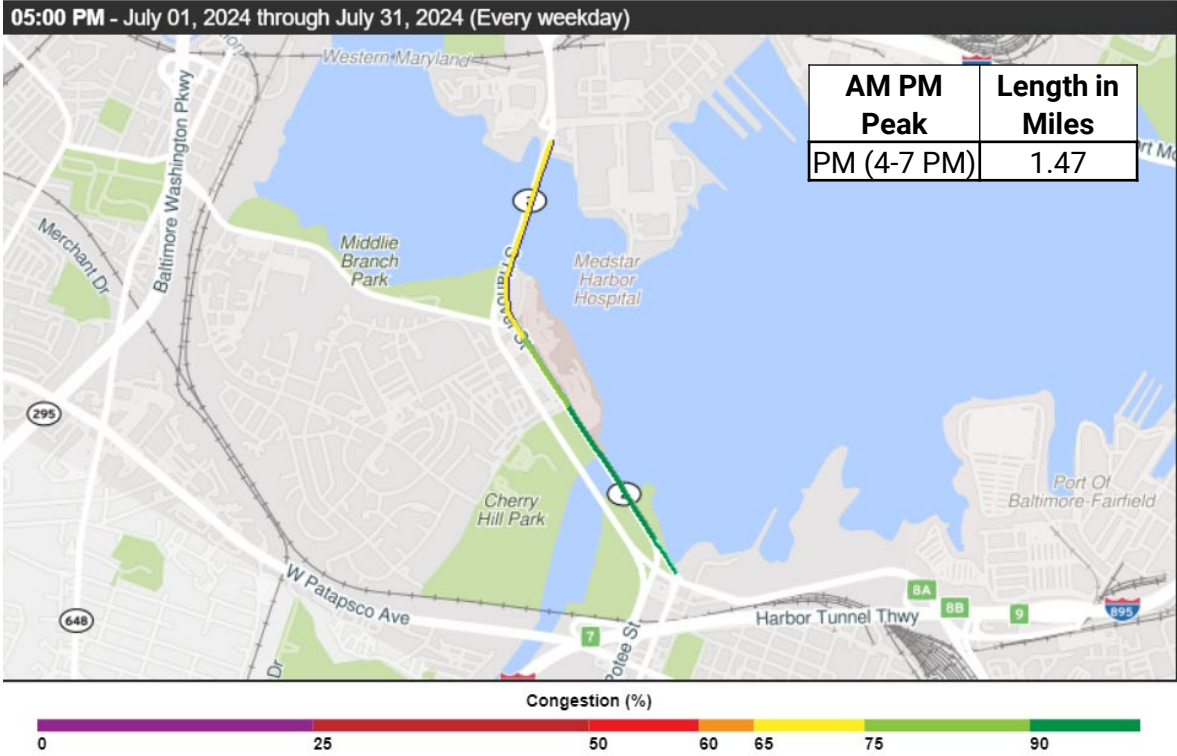
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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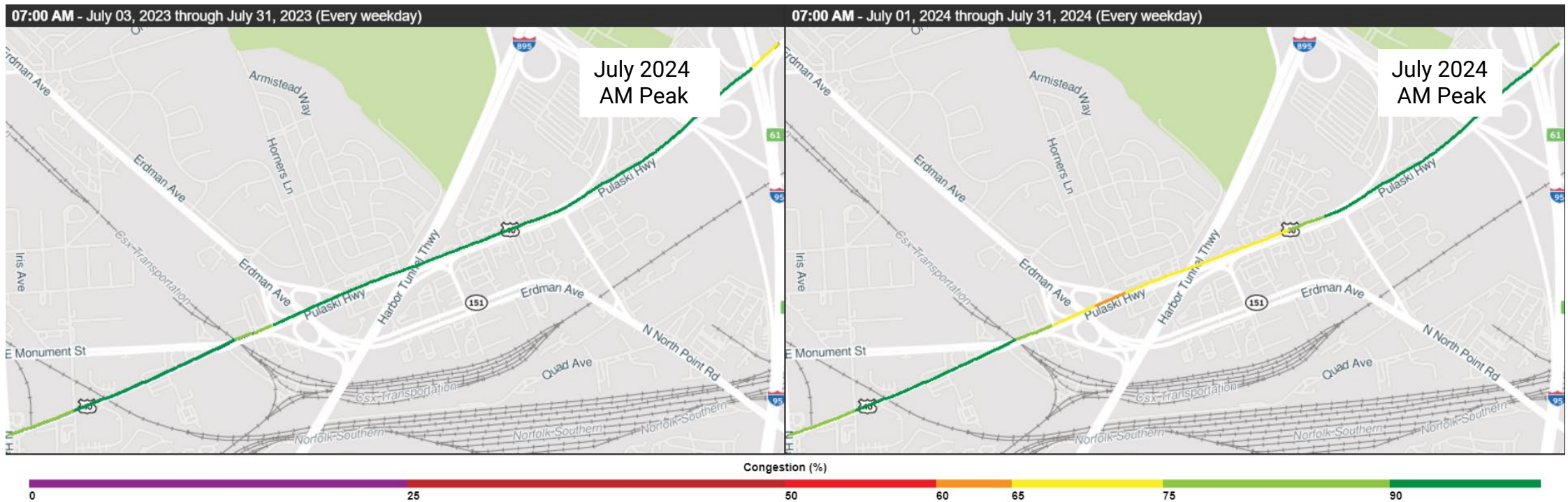


% Change July 2023 to 2024	% Change From Previous Month
14%	11%

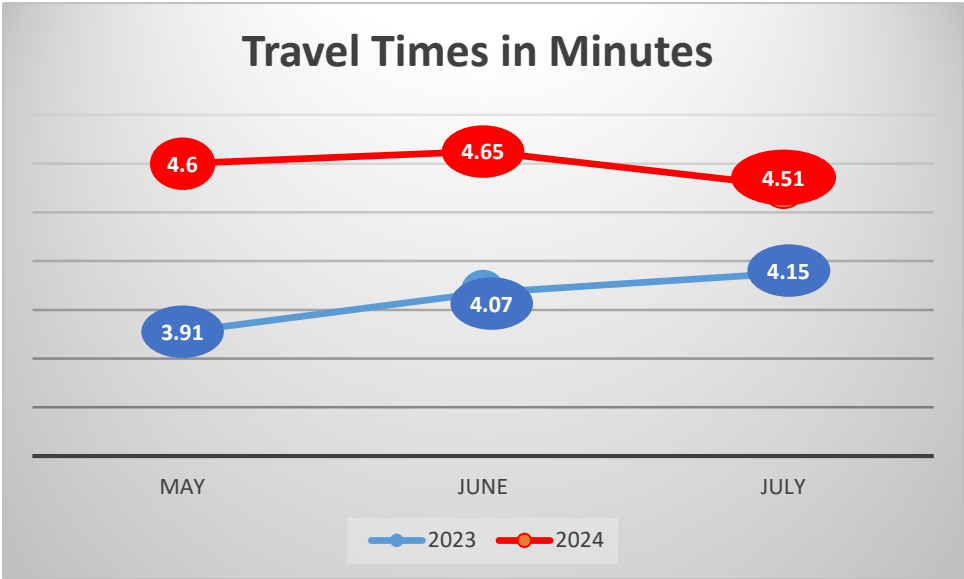
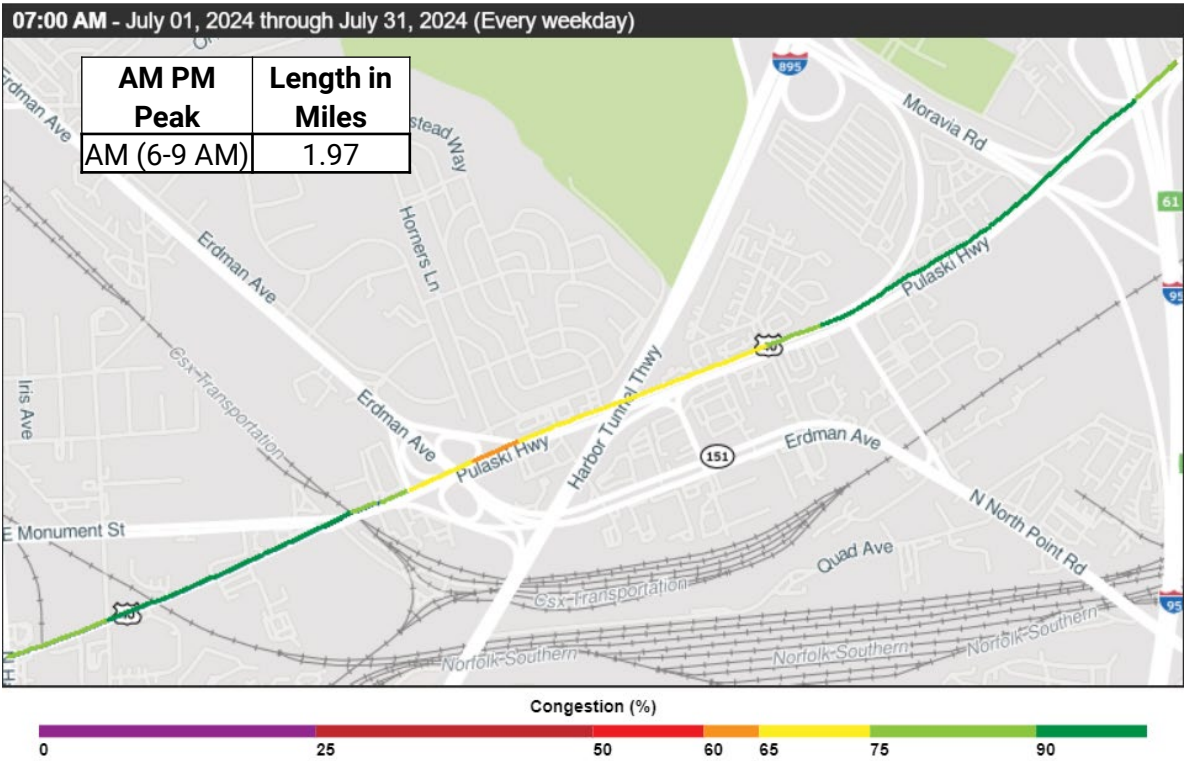
Congestion Percentage = % of Free Flow Speed

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

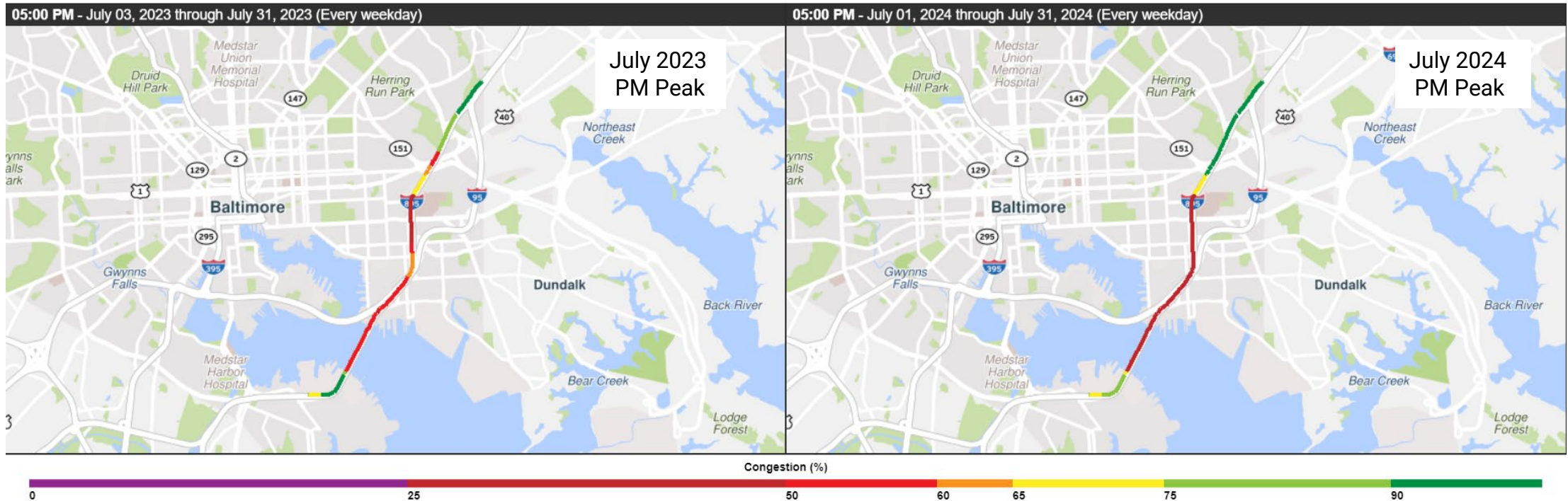


% Change July 2023 to 2024	% Change From Previous Month
9%	3%

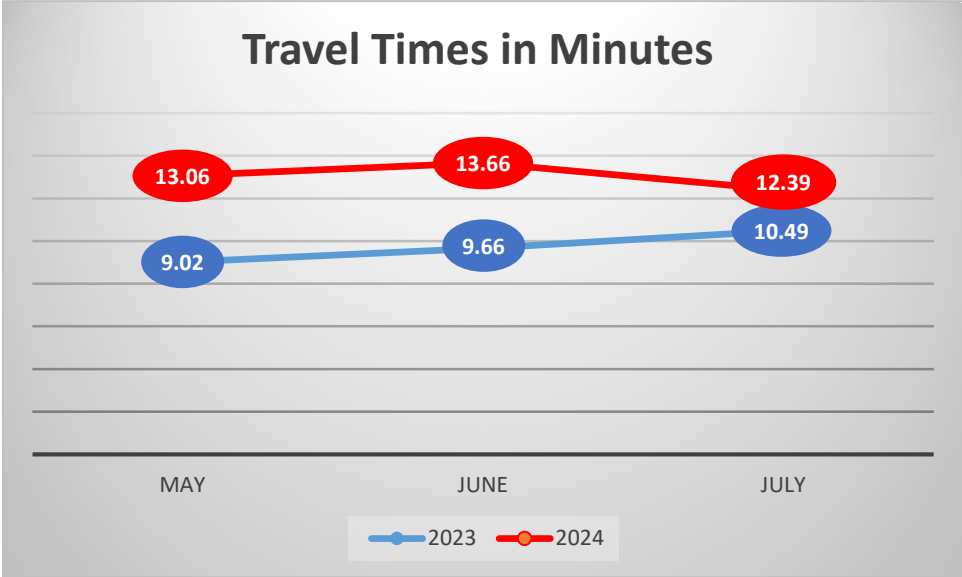
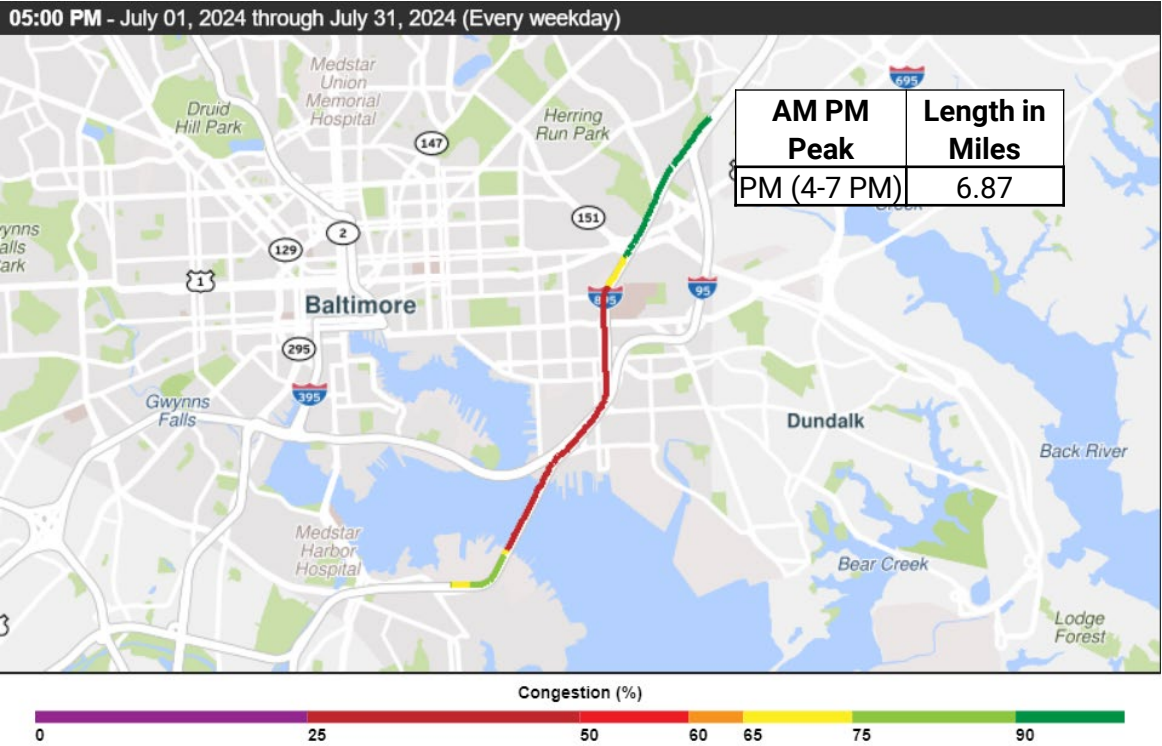
Congestion Percentage = % of Free Flow Speed

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

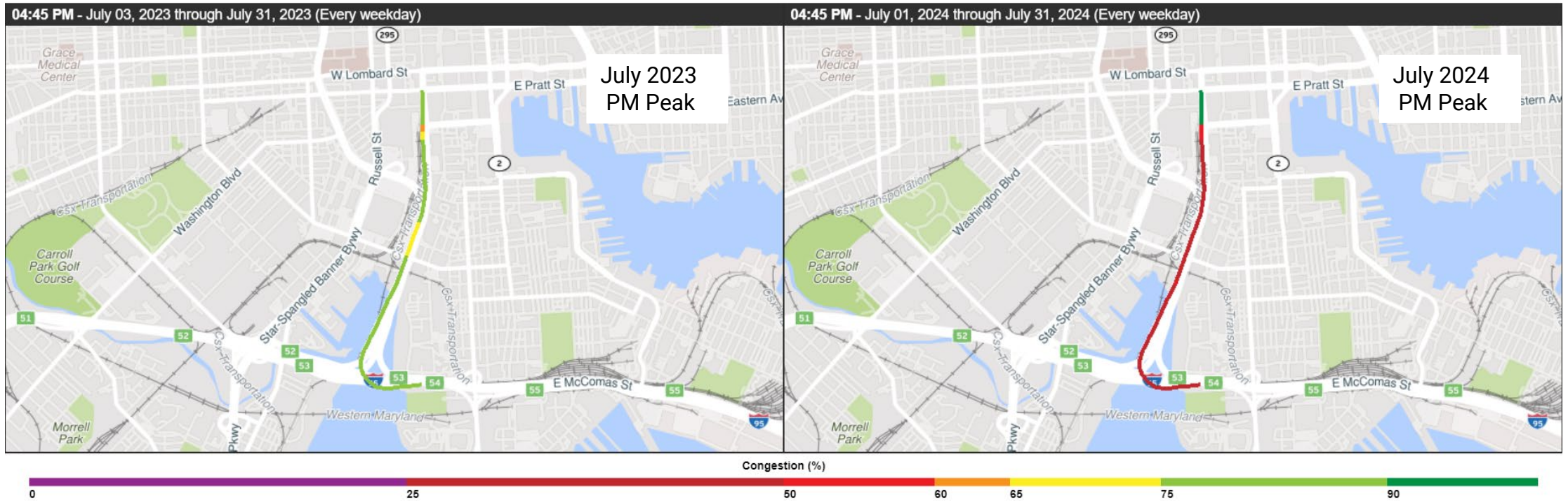


% Change July 2023 to 2024	% Change From Previous Month
18%	9%

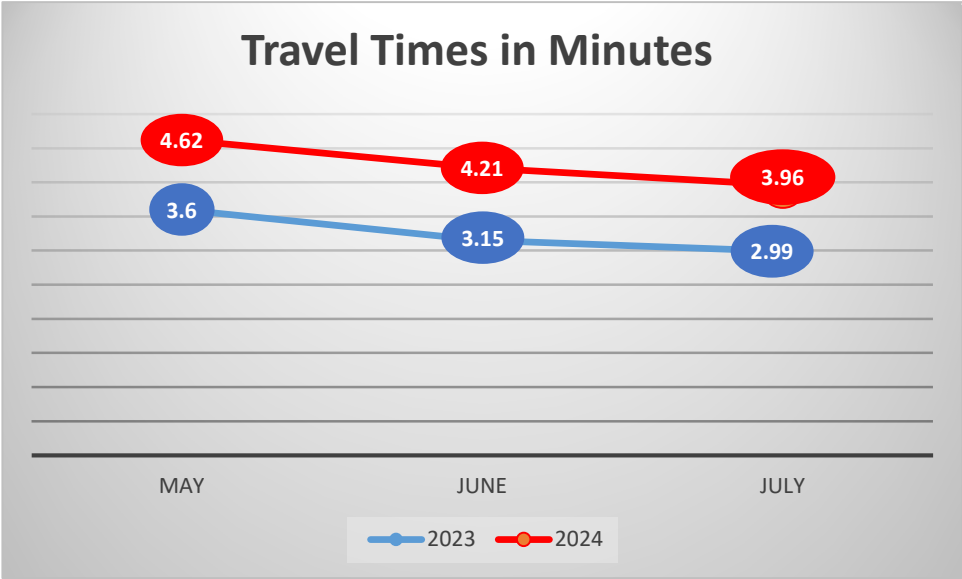
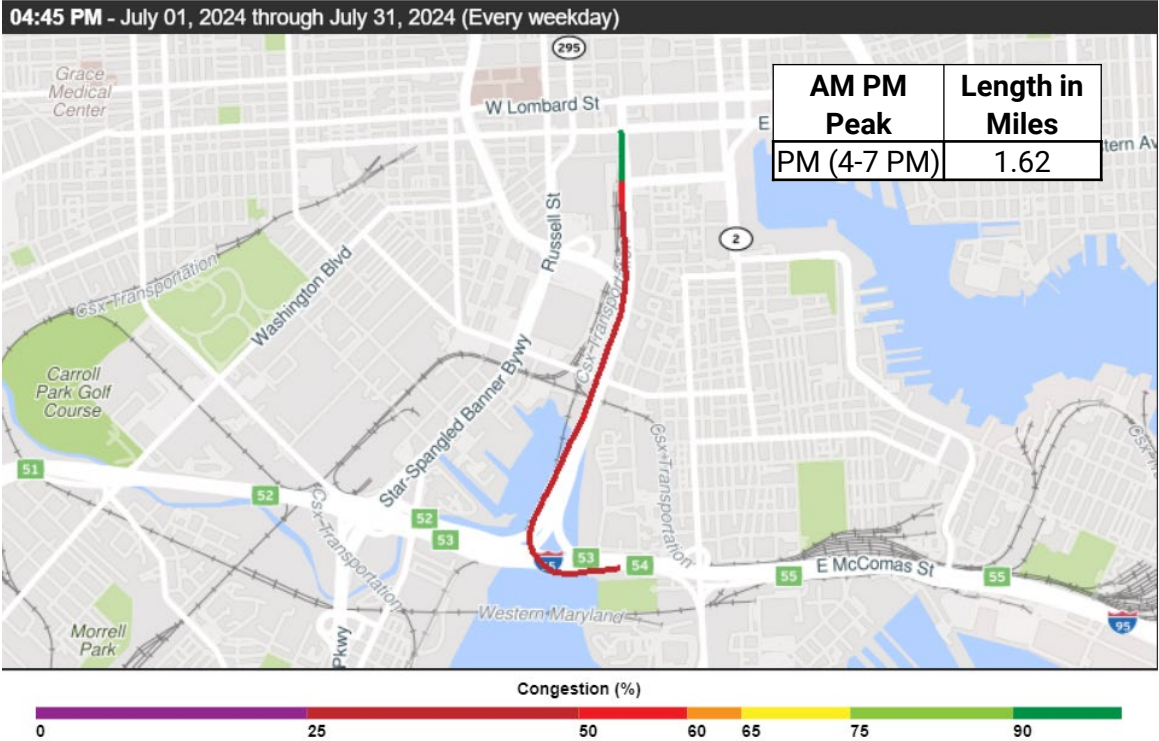
Congestion Percentage = % of Free Flow Speed

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)

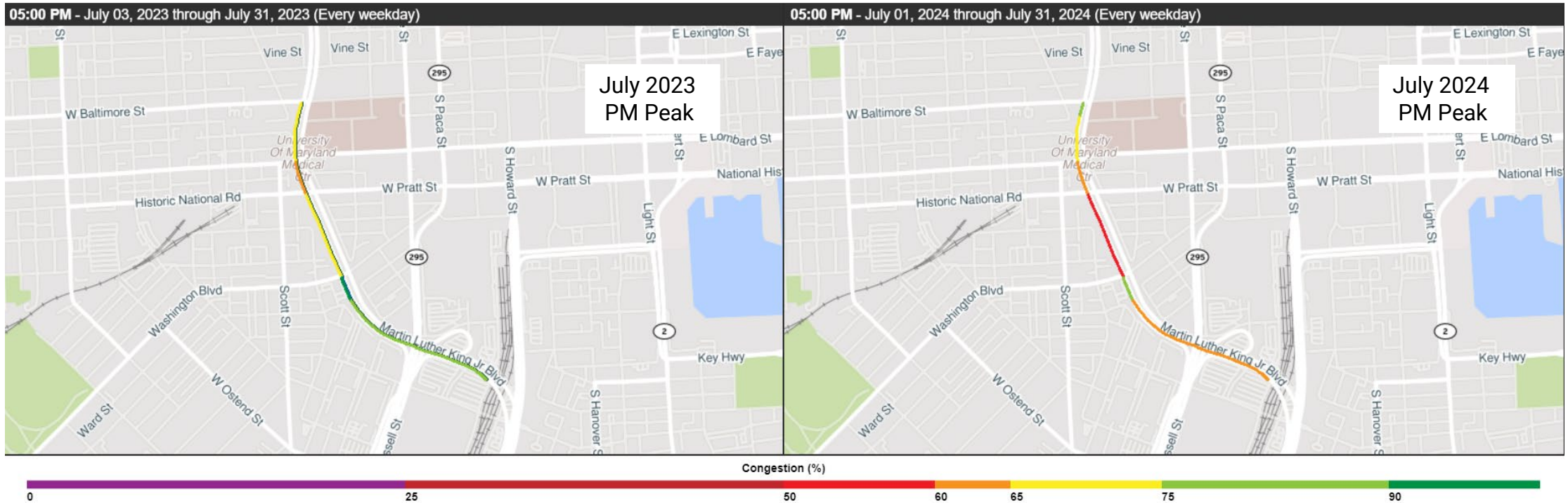


% Change July 2023 to 2024	% Change From Previous Month
32%	6%

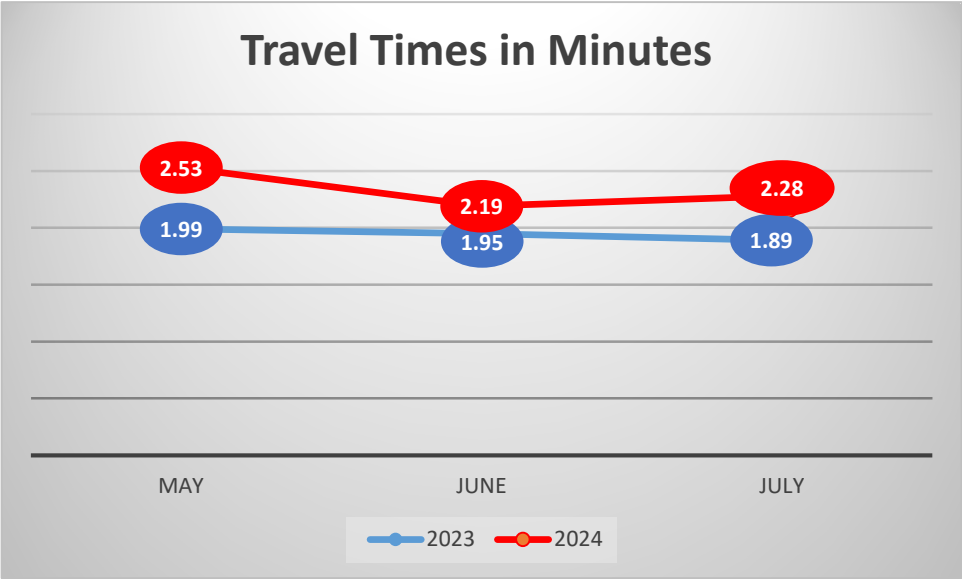
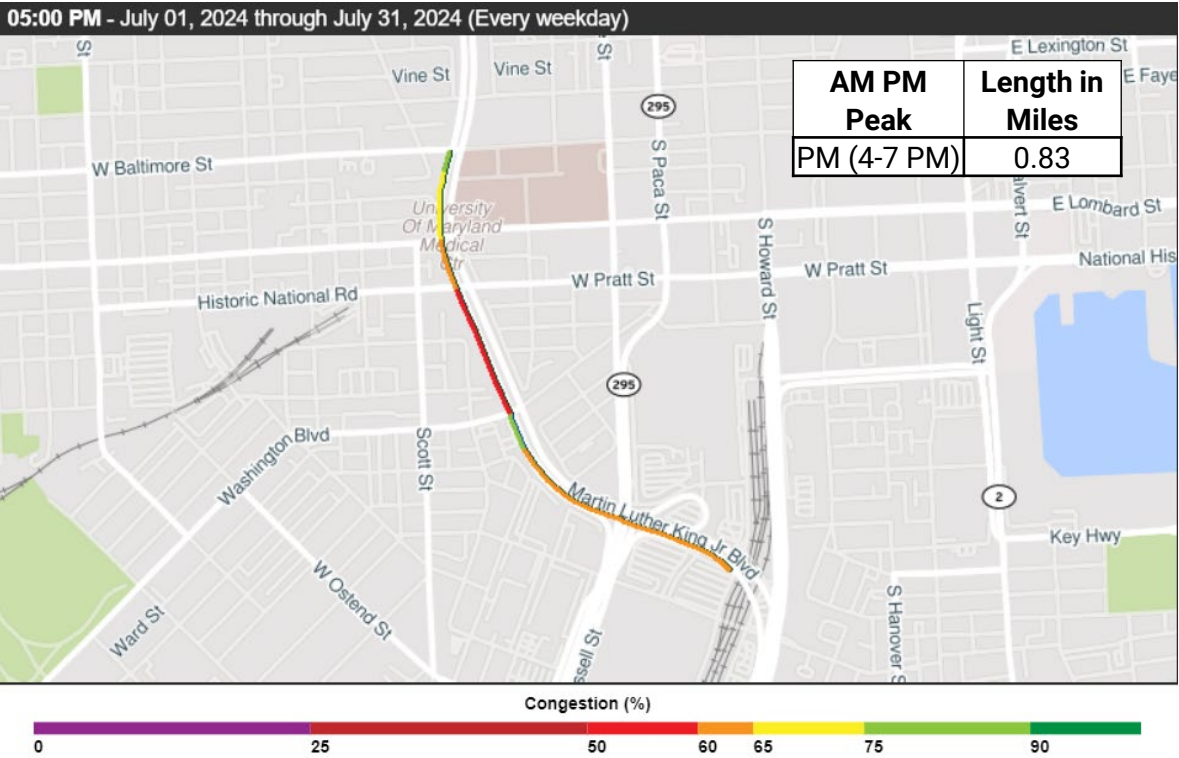
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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

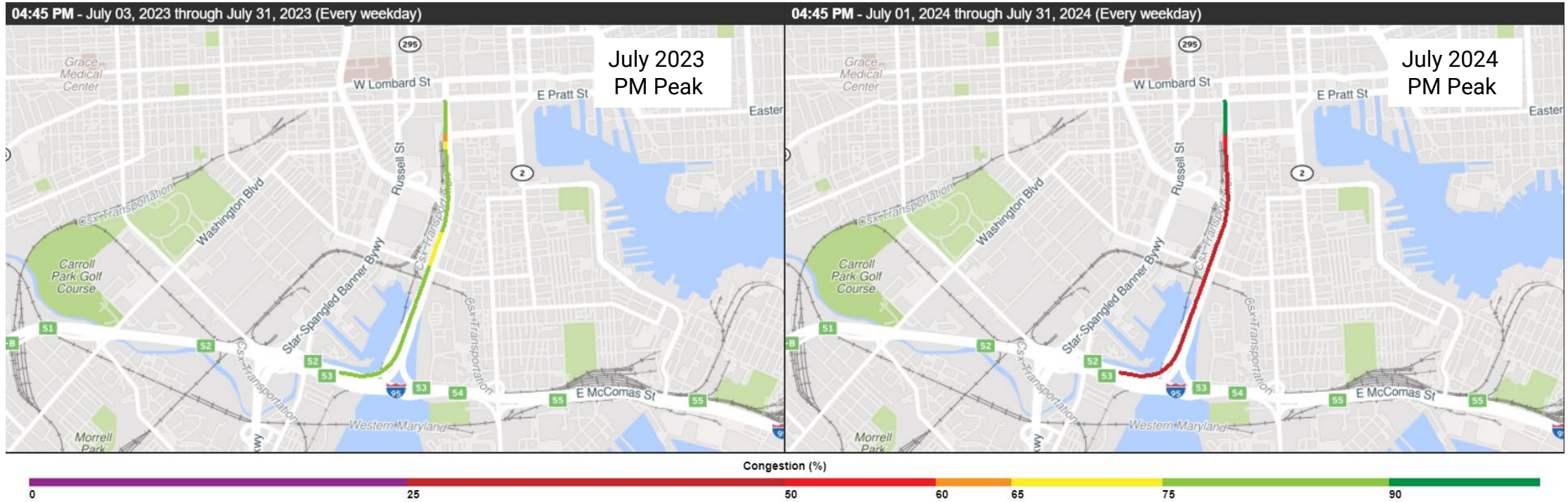


% Change July 2023 to 2024	% Change From Previous Month
21%	4%

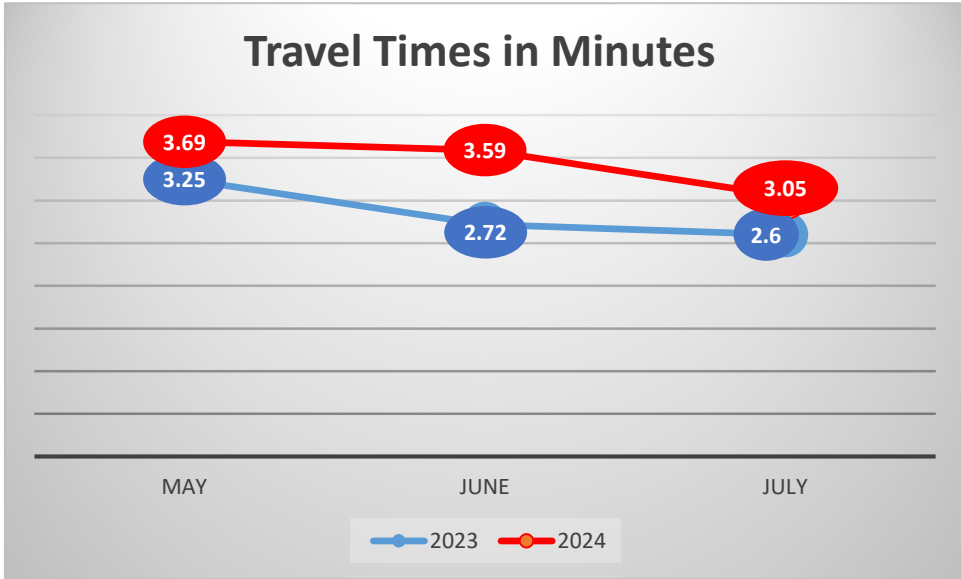
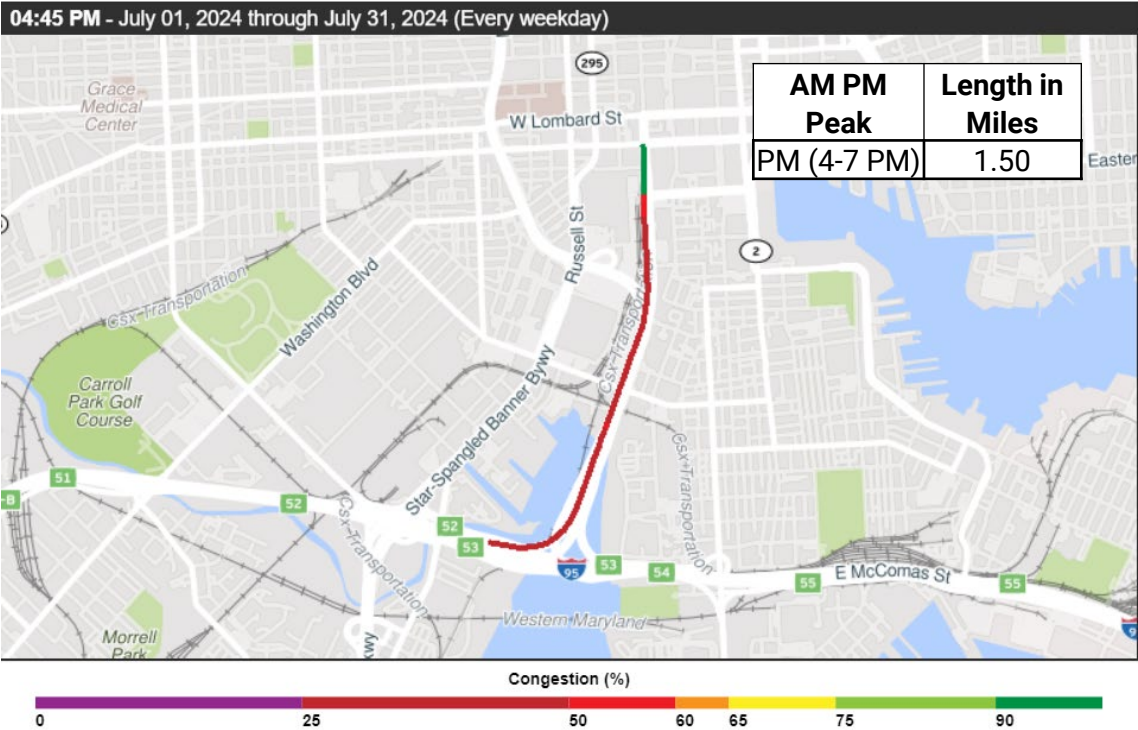
Congestion Percentage = % of Free Flow Speed

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 July 2023 to 2024	% Change From Previous Month
17%	15%

Congestion Percentage = % of Free Flow Speed

For More Information

Ed Stylc | Transportation Analyst

410-732-0500 x1031 | estylc@baltometro.org | www.baltometro.org

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