



# Key Bridge Collapse

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



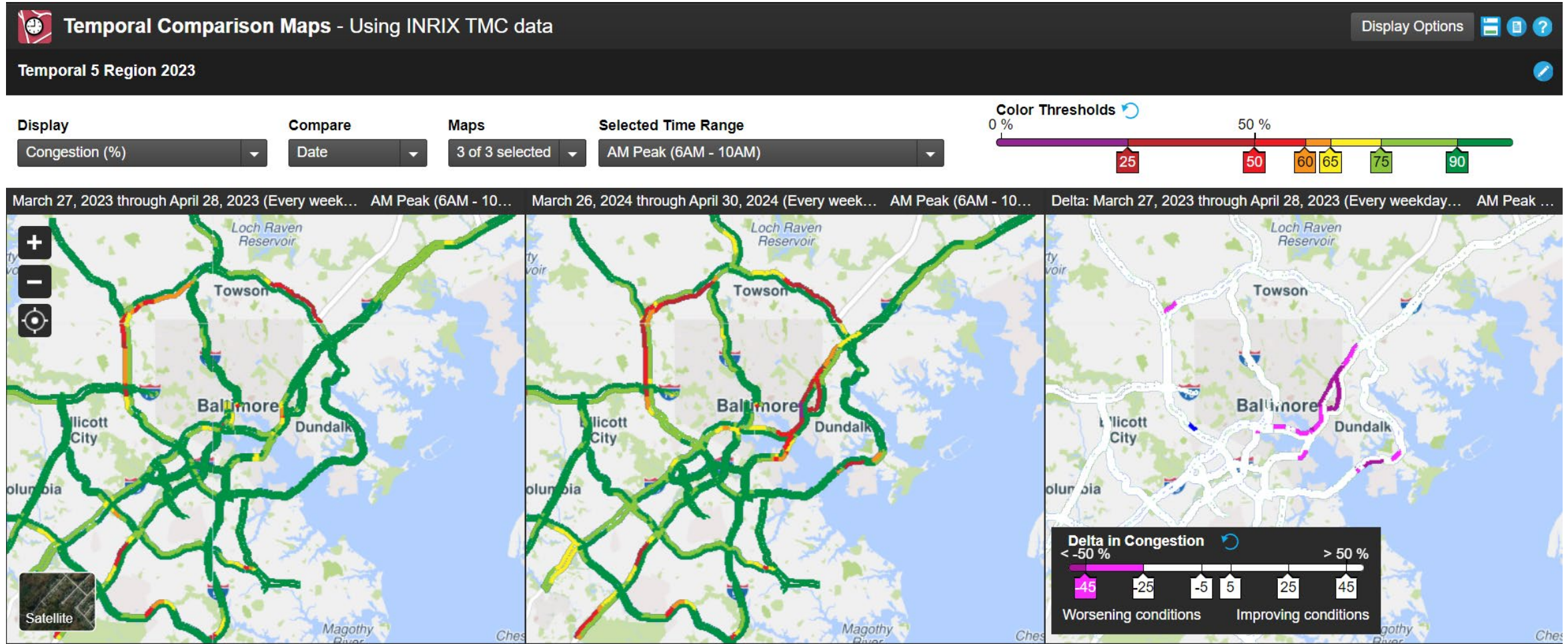
# TRAFFIC AND TRANSPORTATION

- 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)

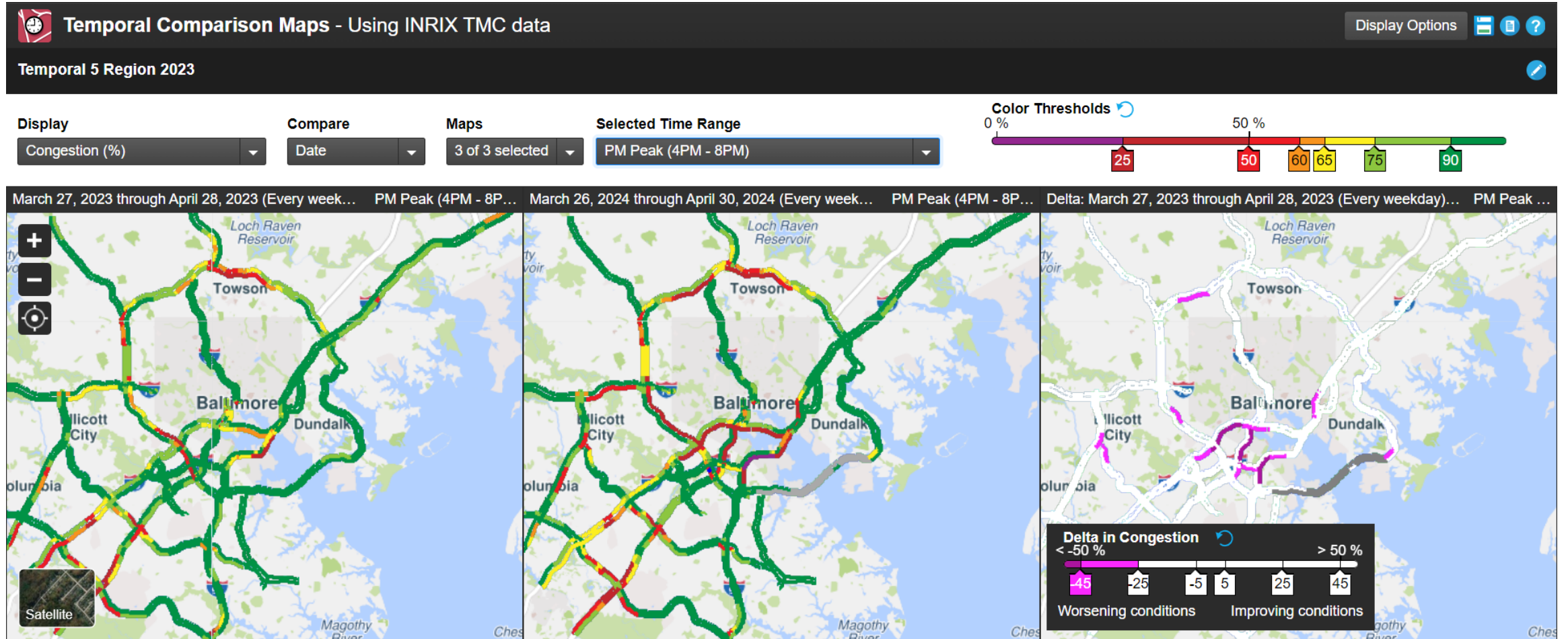
# Methodology

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

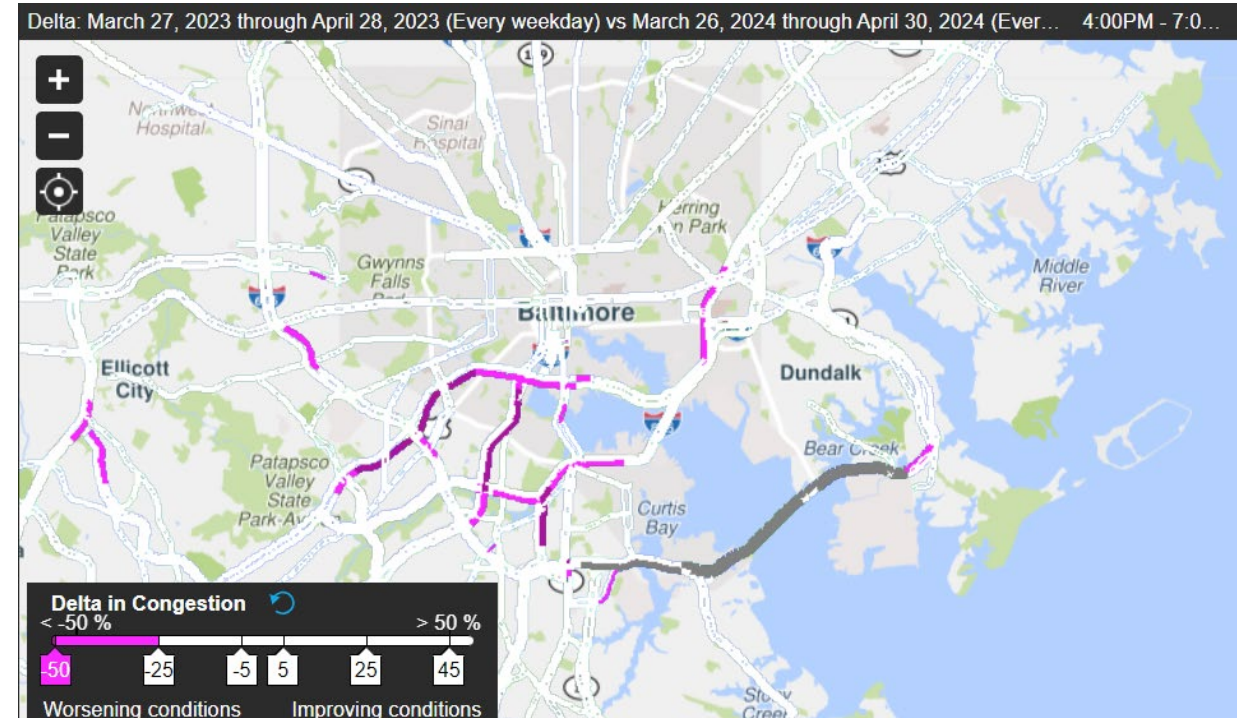
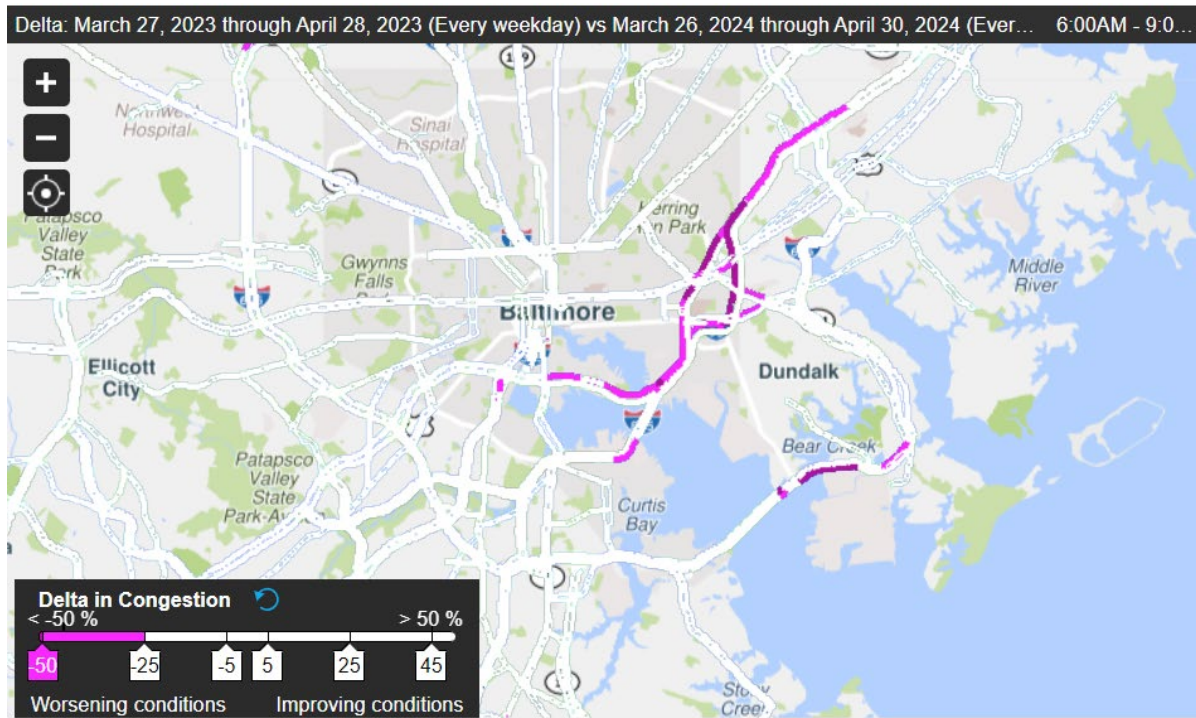


# Increased Congestion Segments – Post Collapse

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

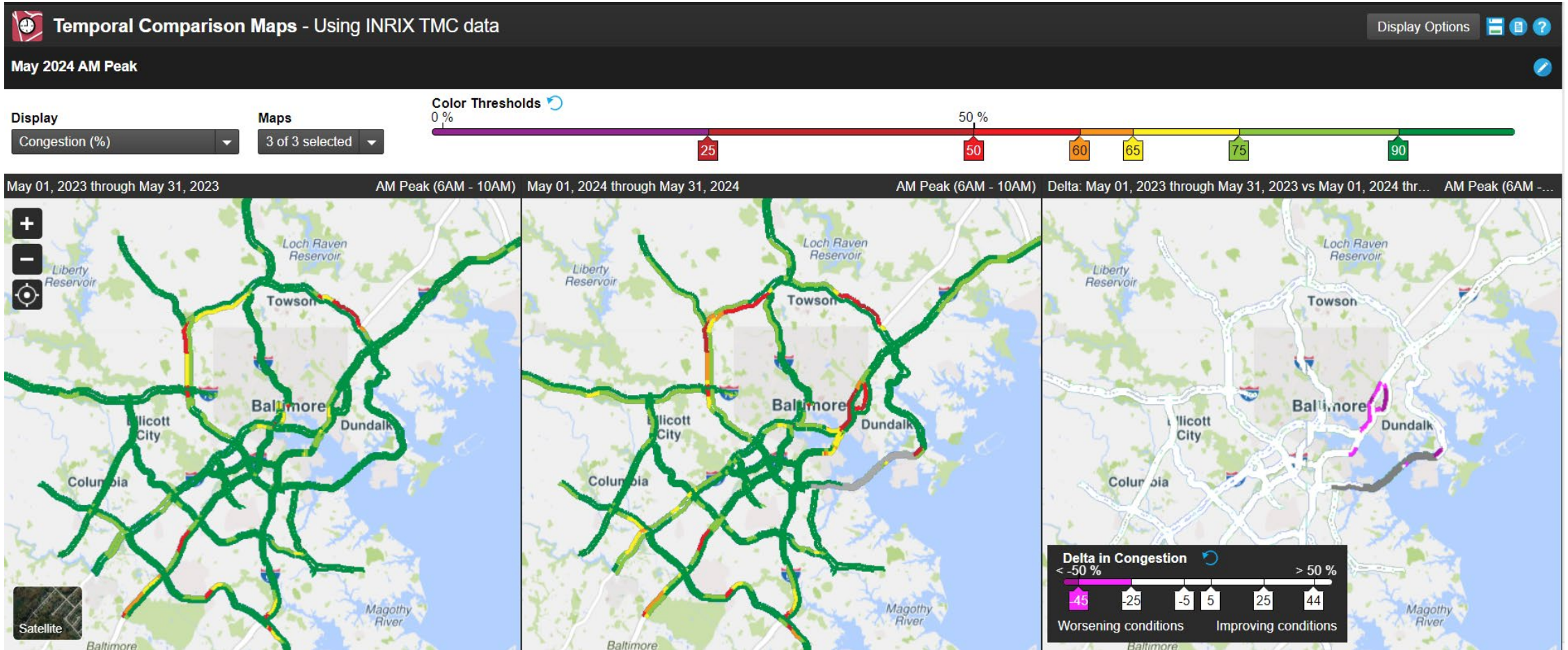
6-9 AM

4-7 PM



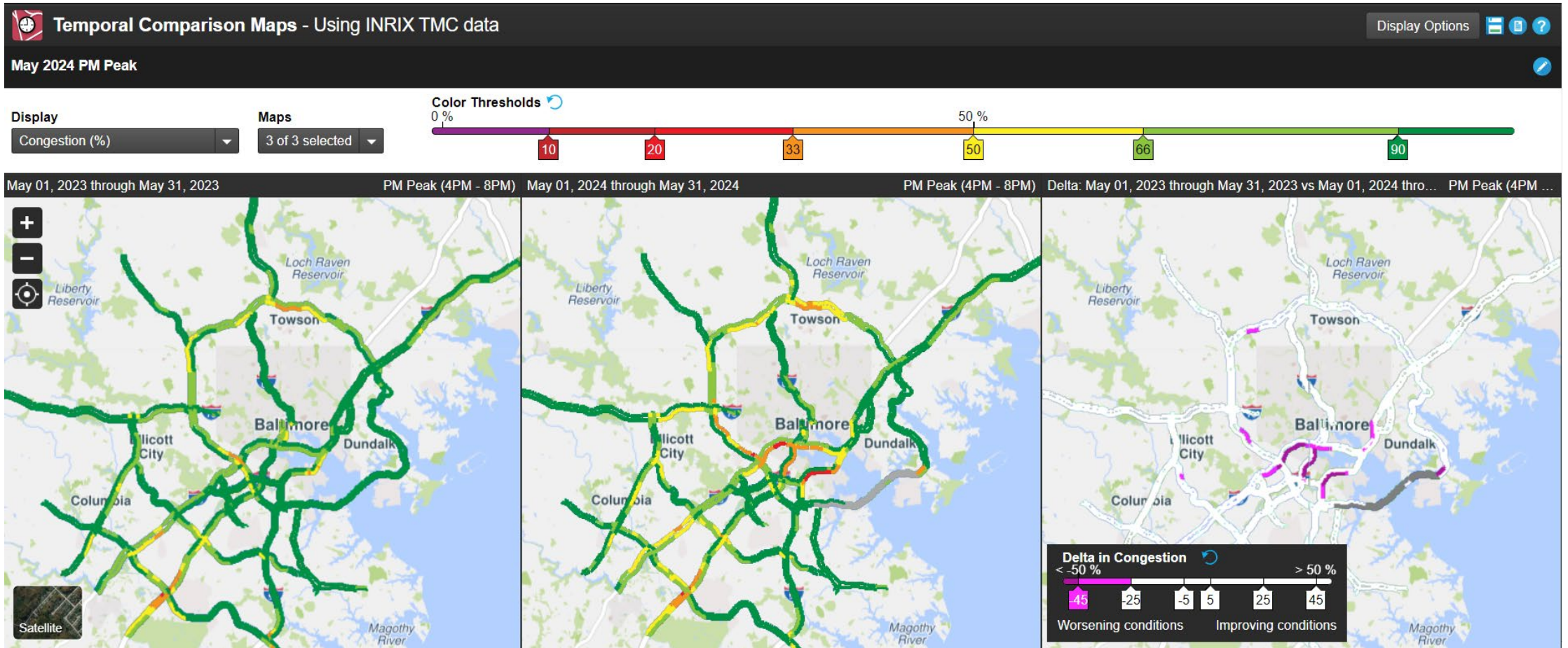
# Key Bridge Travel Time Analysis – May 2024

# Increased Congestion Segments AM Peak





# Increased Congestion Segments PM Peak




# May 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 May-23	Avg TT May-24	% Change May 2023 to 2024	% Change April 2024 to May 2024
KB1	I-895 NB from MD-295 to Harbor Tunnel Toll Plaza	PM (4-7 PM)	4.35	5.04	15.99	217%	8%
KB2	I-895 Spur NB from MD-2/Ritchie Hwy to I-895 Merge	PM (4-7 PM)	2.74	2.95	5.20	76%	22%
KB3	I-95 NB from I-895/Exit 46 to Fort McHenry Tunnel	PM (4-7 PM)	10.00	13.82	29.90	116%	3%
KB4	I-895 SB from I-95/Exit 62 to Harbor Tunnel Toll Plaza	AM (6-9 AM)	6.87	9.99	18.36	84%	17%
KB5	I-95 SB from I-895 split to Fort McHenry Tunnel	AM (6-9 AM)	8.43	10.16	18.20	79%	19%
KB6	MD-295 NB from Patapsco Ave to Bayard St	PM (4-7 PM)	1.75	3.50	6.75	93%	1%
KB7	I-695 IL from Park Heights Ave to Greenspring Ave	PM (4-7 PM)	2.19	2.98	4.61	55%	3%
KB8	MD-150/Eastern Blvd WB from MD-151/North Pont Blvd to Kane St	AM (6-9 AM)	1.10	2.93	3.67	25%	21%
KB9	MD-2/Ritchie Hwy NB from MD-710 to MD-171	PM (4-7 PM)	1.69	4.14	5.61	36%	6%
KB10	I-695 OL from Reisterstown Rd to I-795	AM (6-9 AM)	2.16	3.51	4.60	31%	1%
KB11	Hanover Street NB (I-895 to Cromwell)	PM (4-7 PM)	1.47	3.17	4.46	41%	1%
KB12	US-40/Pulaski Hwy WB from City Line to N Haven St	AM (6-9 AM)	1.97	3.91	4.60	18%	11%
KB13	I-895 SB from I-95/Exit 62 to Harbor Tunnel Toll Plaza	PM (4-7 PM)	6.87	9.02	13.06	45%	3%
KB14	I-395 SB to I-95 NB (East Pratt to I-95)	PM (4-7 PM)	1.62	3.60	4.62	28%	4%
KB15	MLK Blvd SB from W Baltimore St to I-395	PM (4-7 PM)	0.83	1.99	2.53	27%	0%
KB16	I-395 SB to I-95 SB (East Pratt to I-95)	PM (4-7 PM)	1.50	3.25	3.69	14%	2%

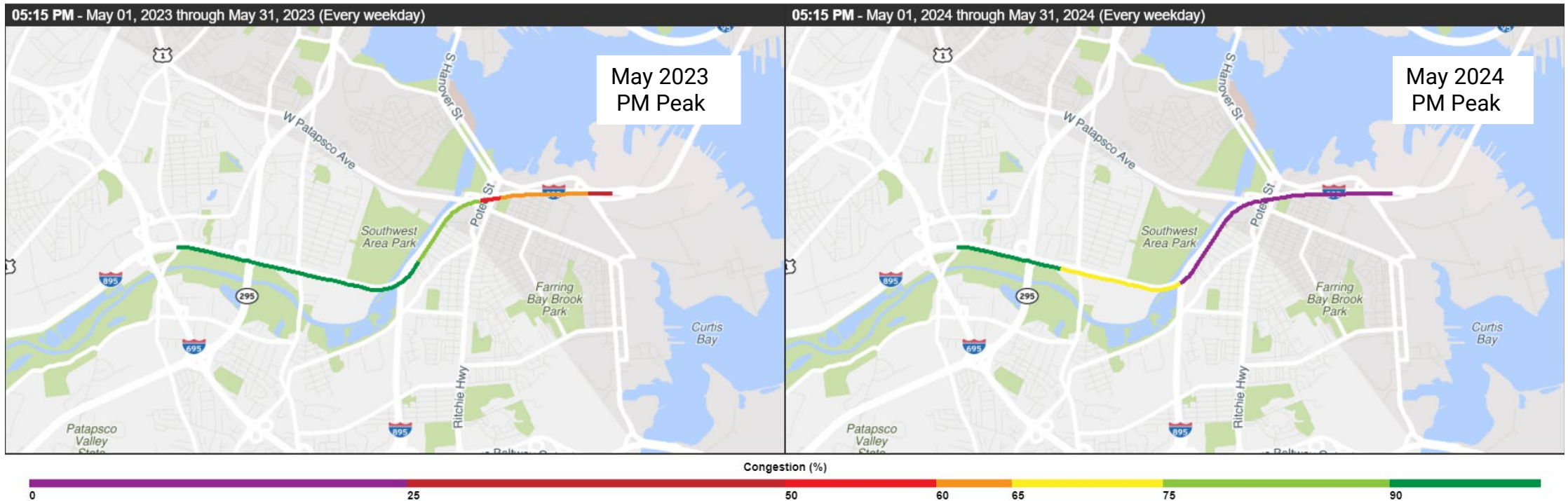
**AVG TT** minutes

 Percent increase in Travel Time

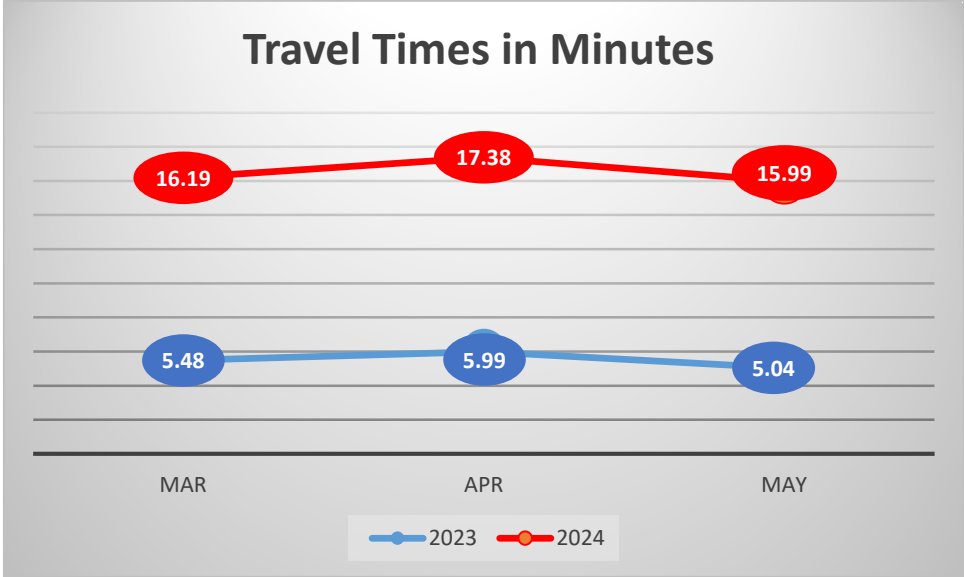
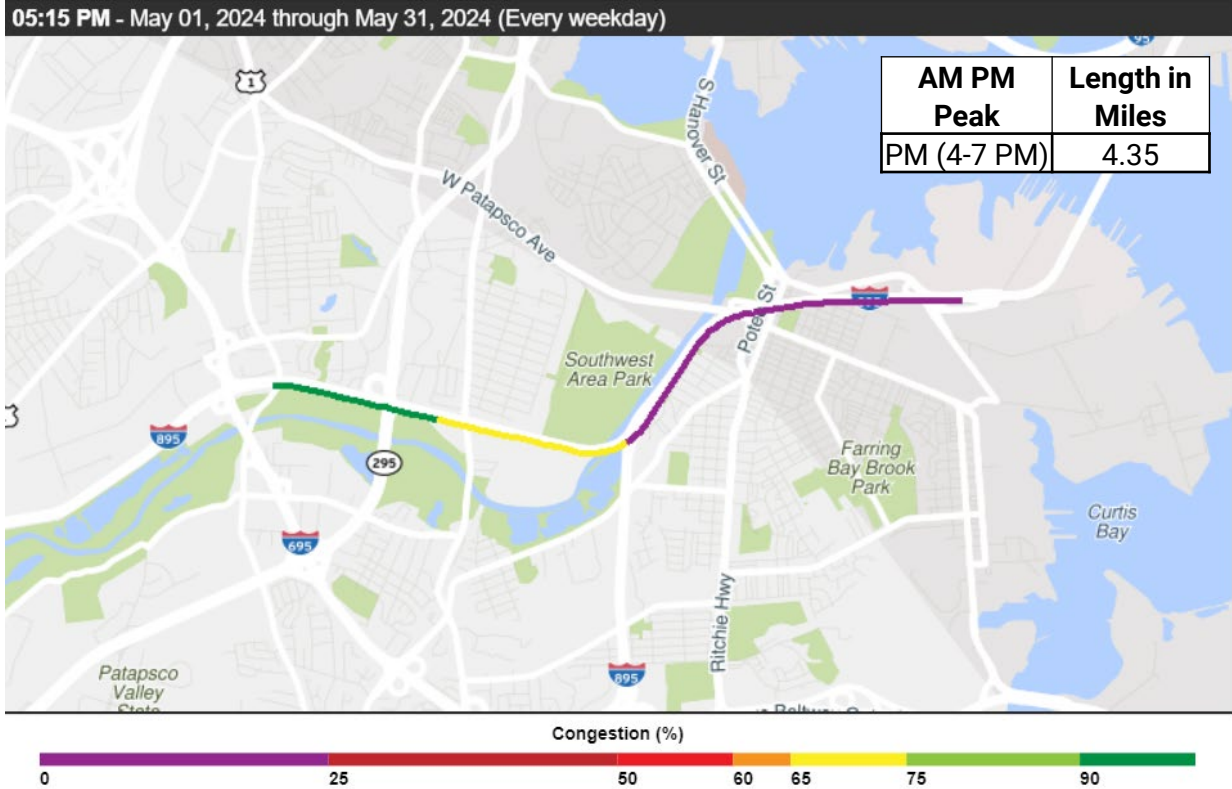
 Percent decrease in Travel time

# 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

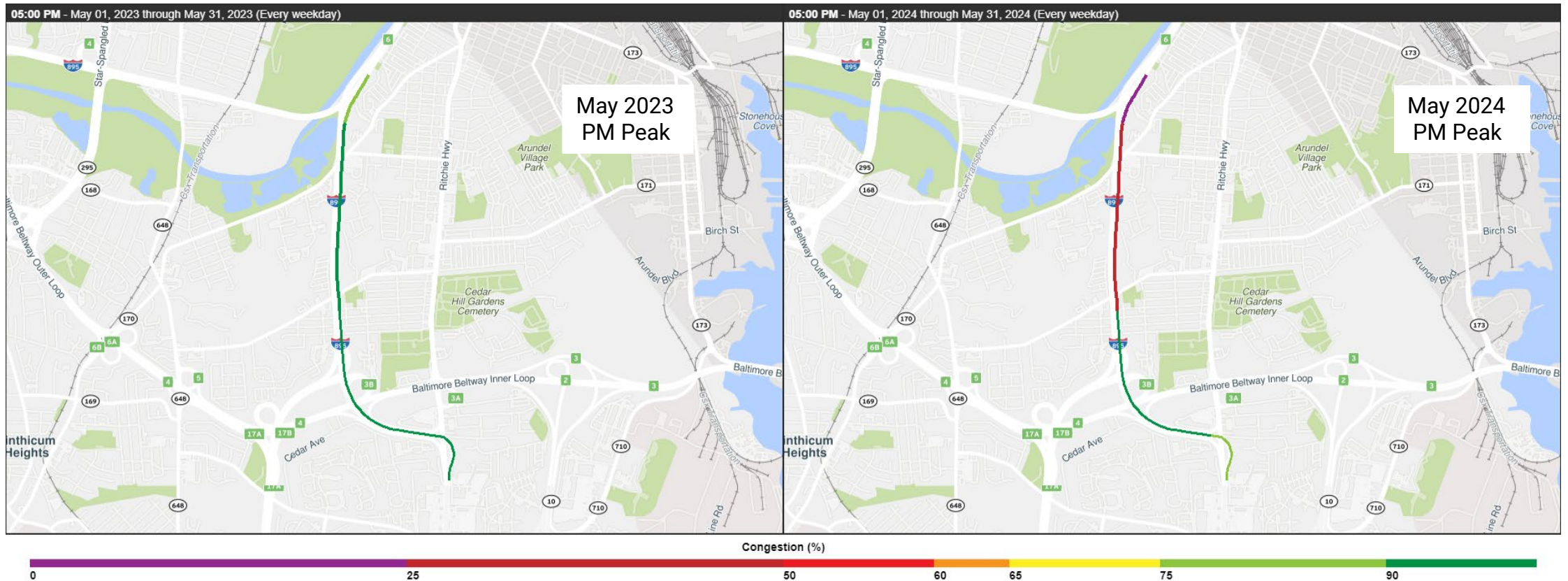


% Change May 2023 to 2024	% Change From Previous Month
217%	8%

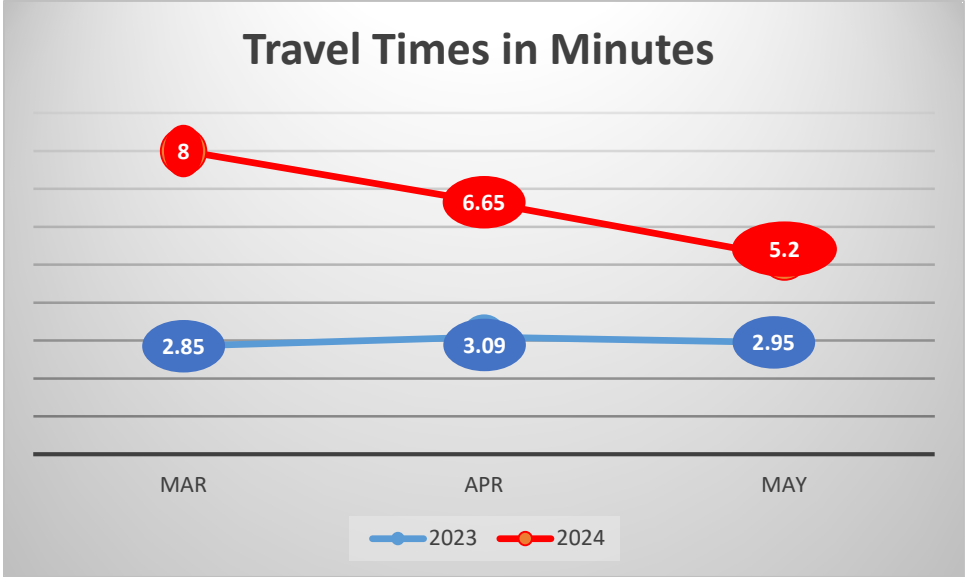
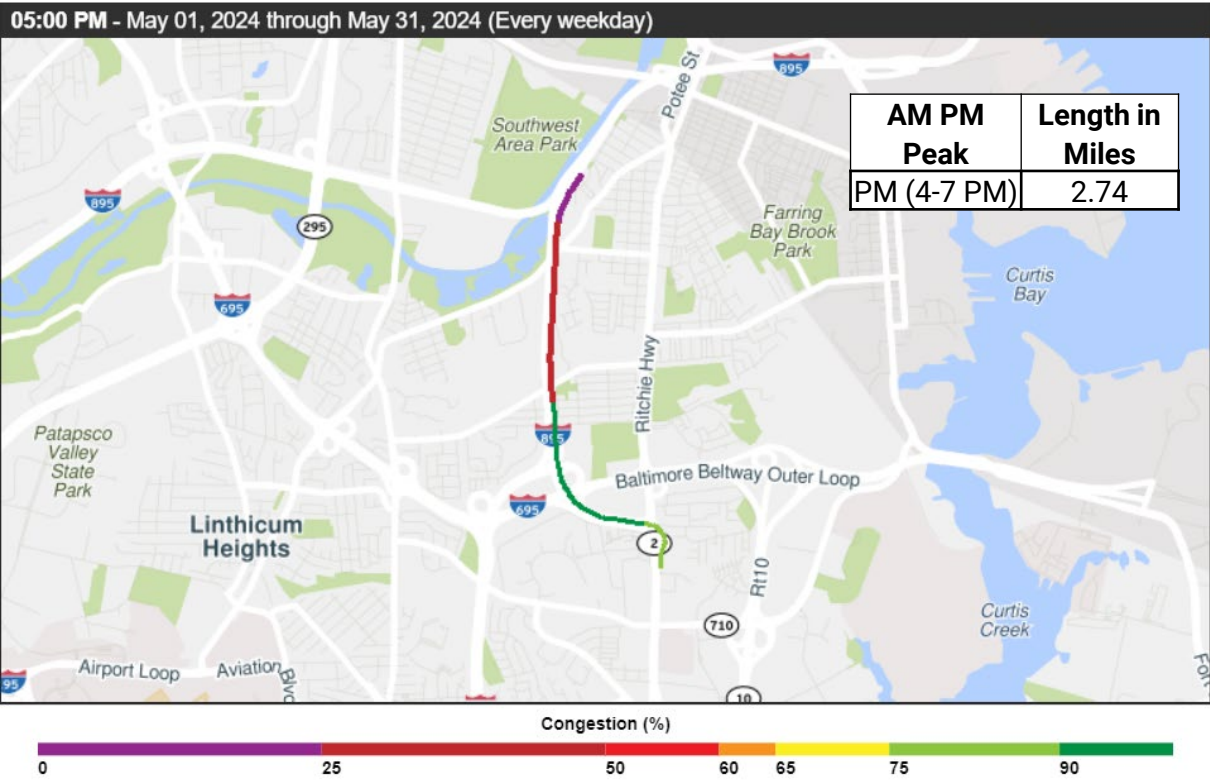
Congestion Percentage = % of Free Flow Speed

# 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

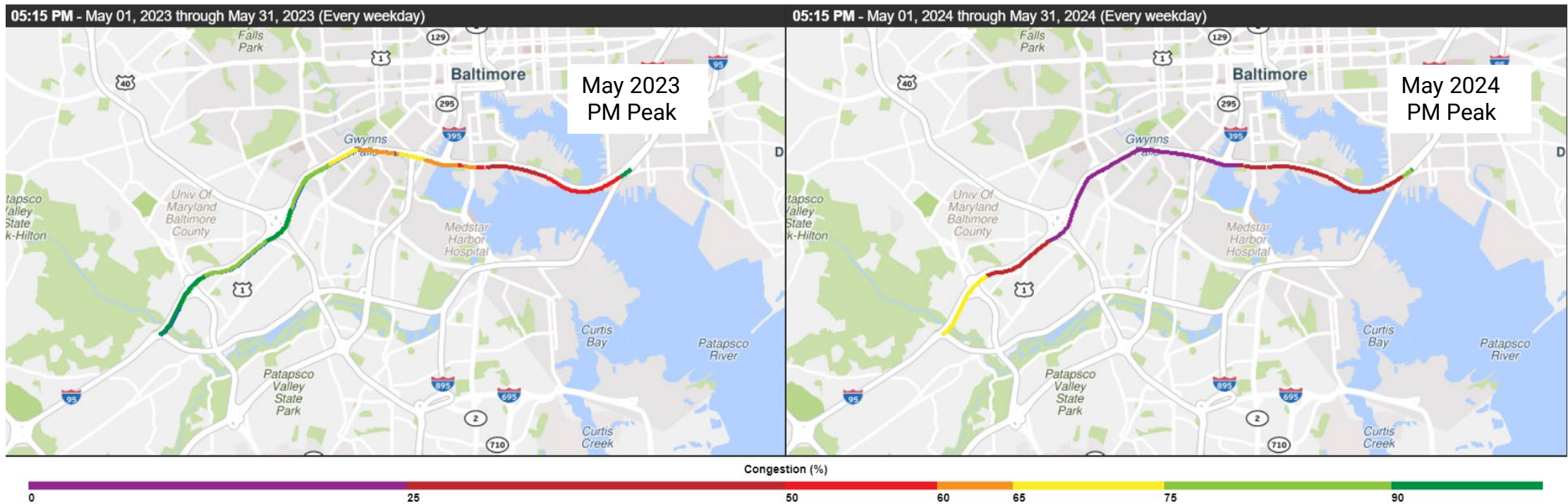


% Change May 2023 to 2024	% Change From Previous Month
76%	22%

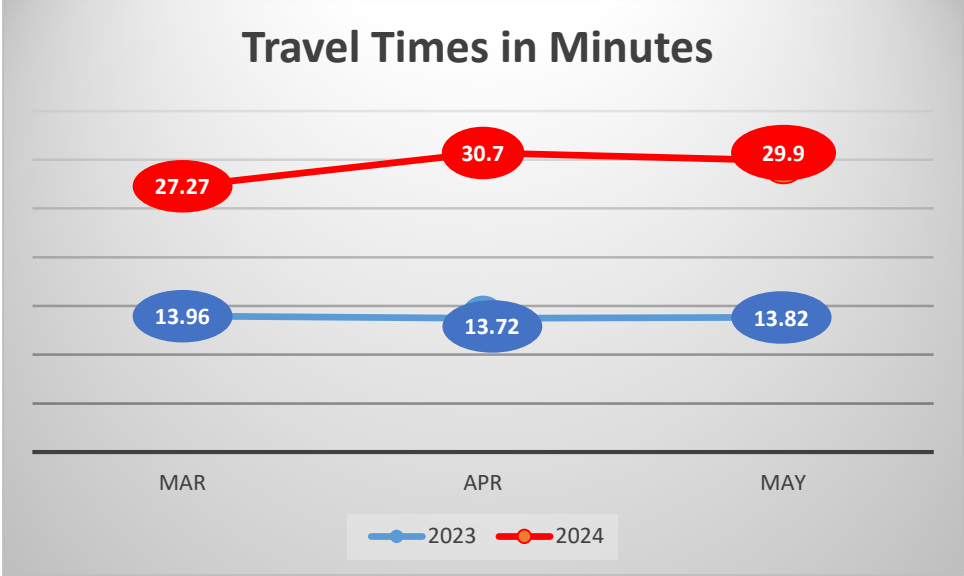
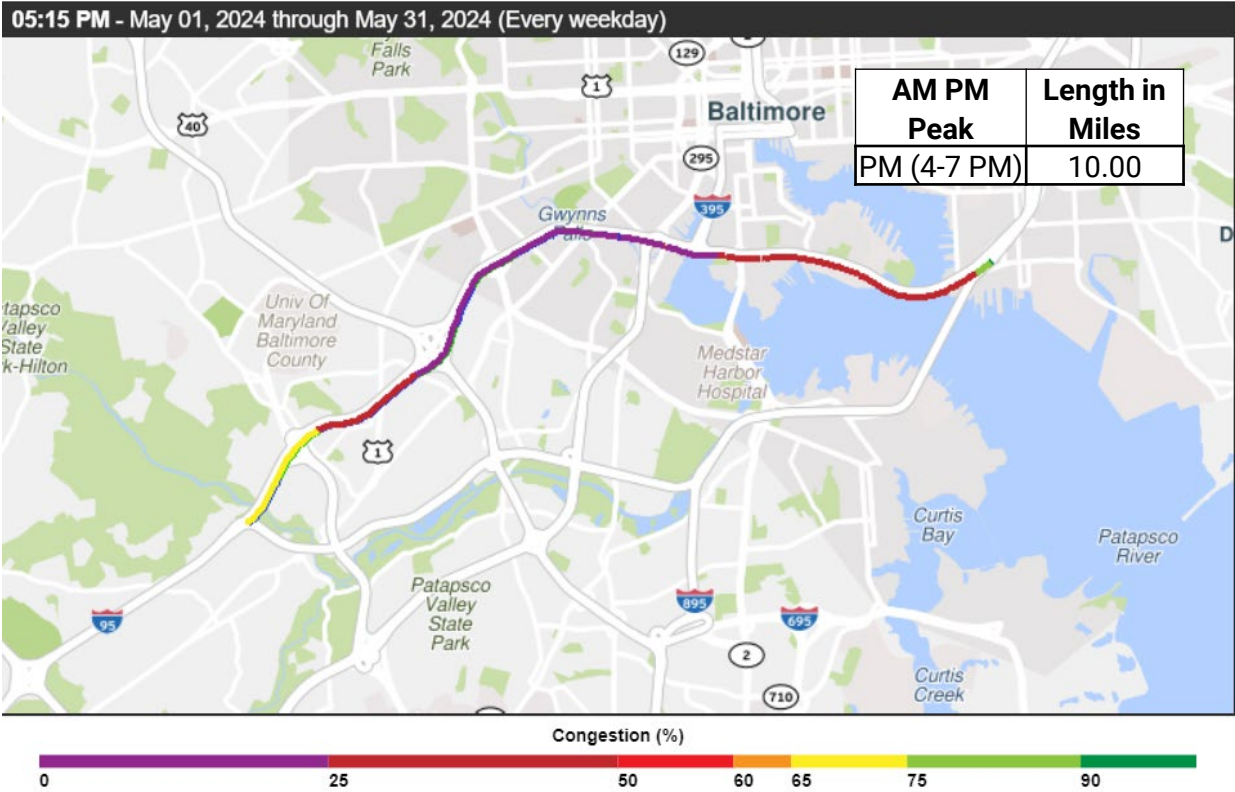
Congestion Percentage = % of Free Flow Speed

# 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



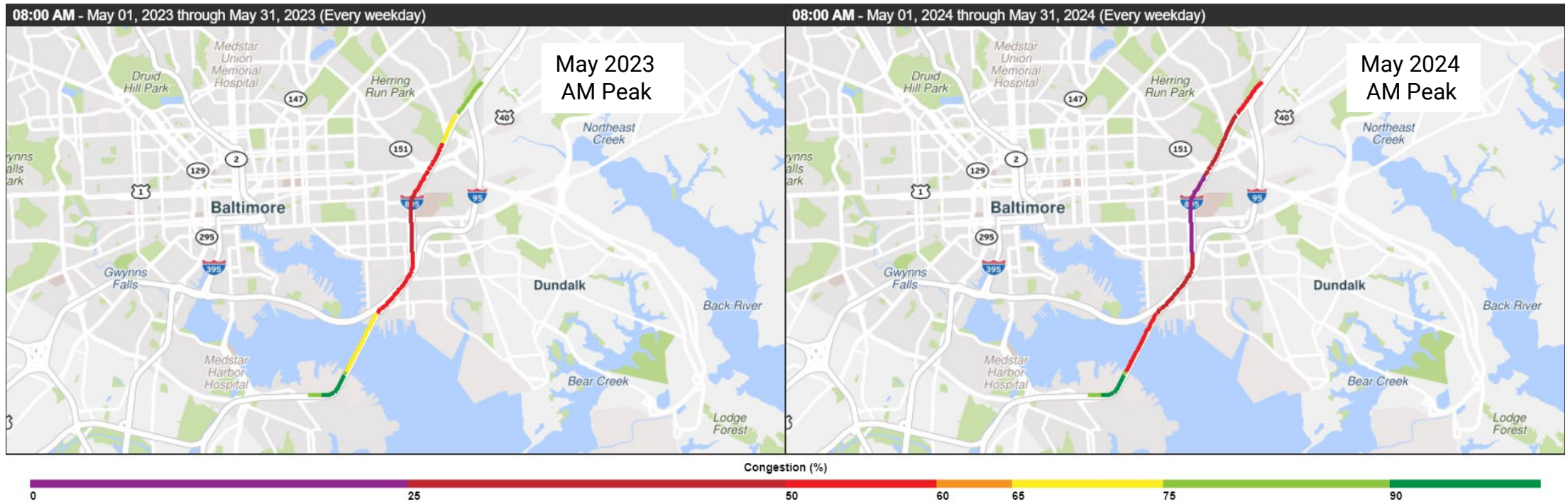
% Change May 2023 to 2024	% Change From Previous Month
116%	3%

Congestion Percentage = % of Free Flow Speed

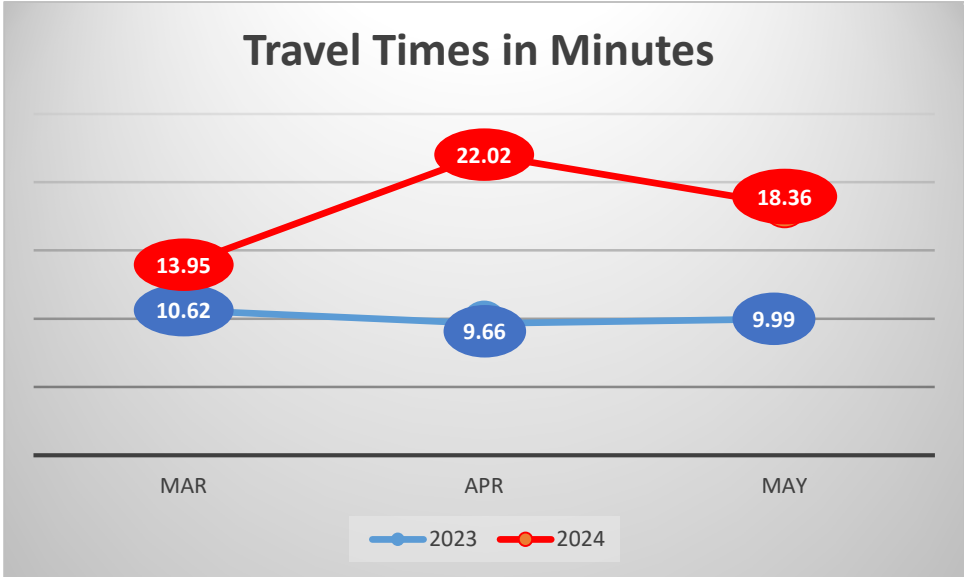
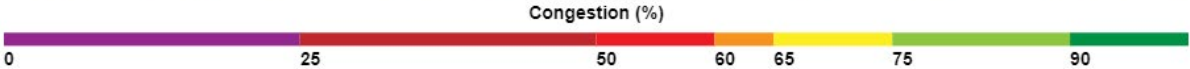
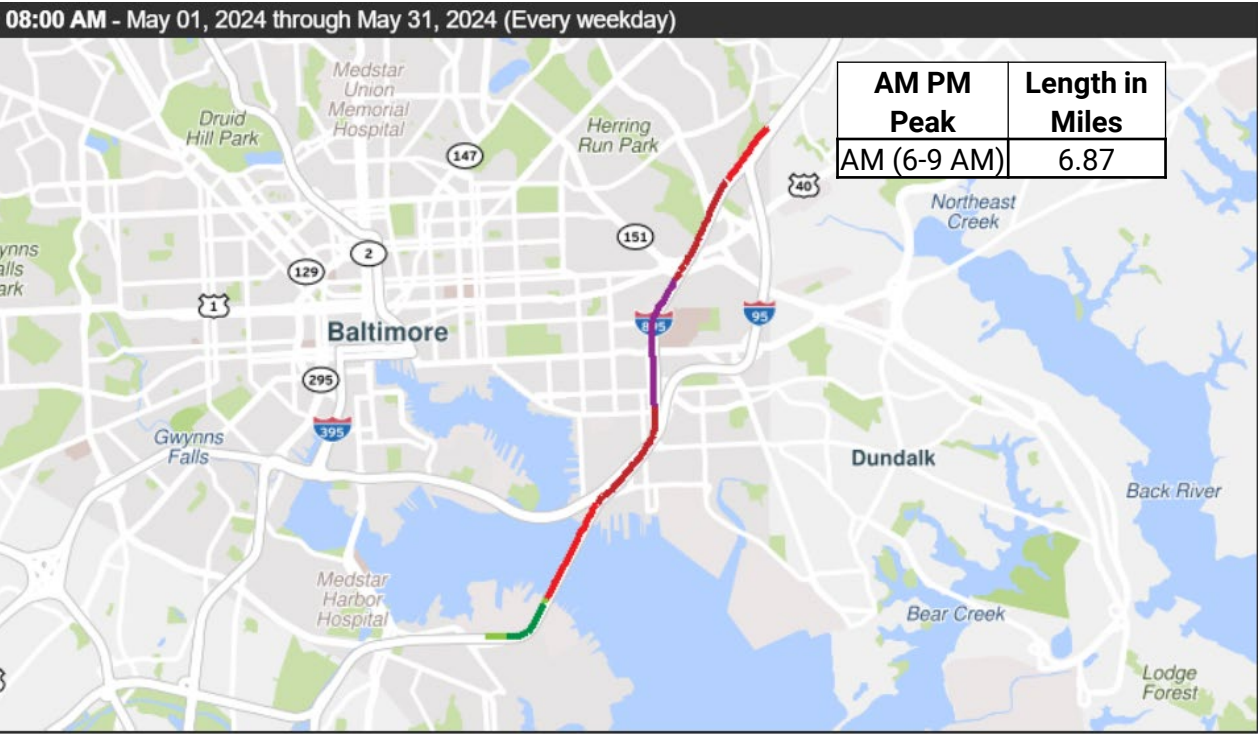


# KB4 - I-895 SB from I-95/Exit 62 to Harbor Tunnel Toll Plaza

Congestion Percentage = % of Free Flow Speed



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

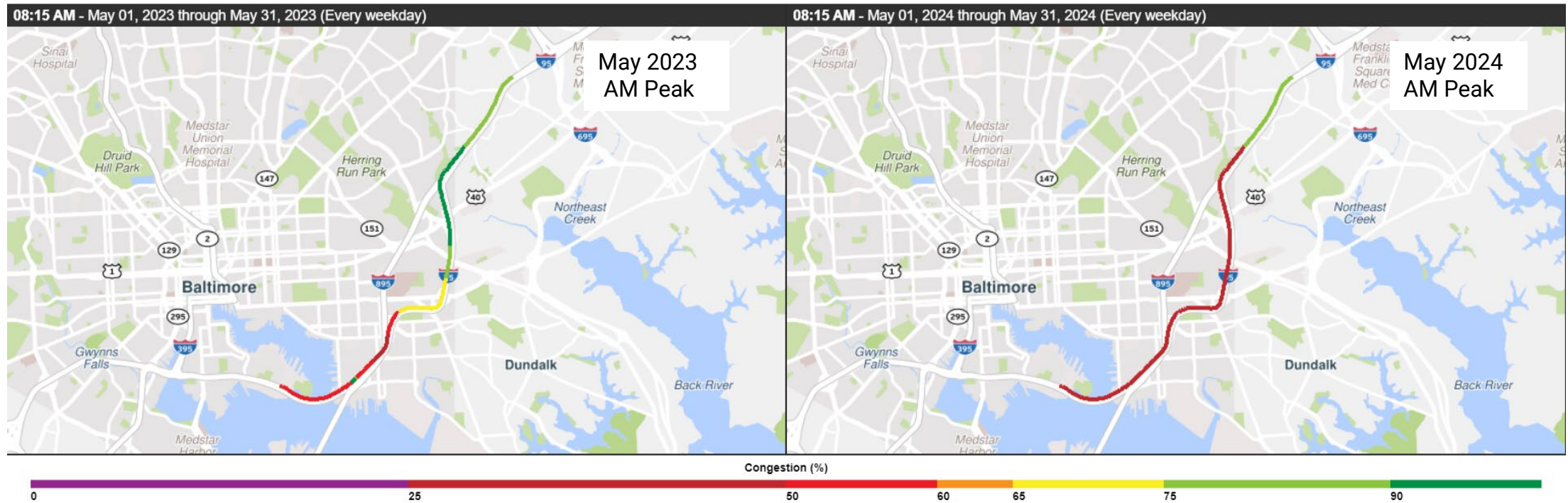


% Change May 2023 to 2024	% Change From Previous Month
84%	17%

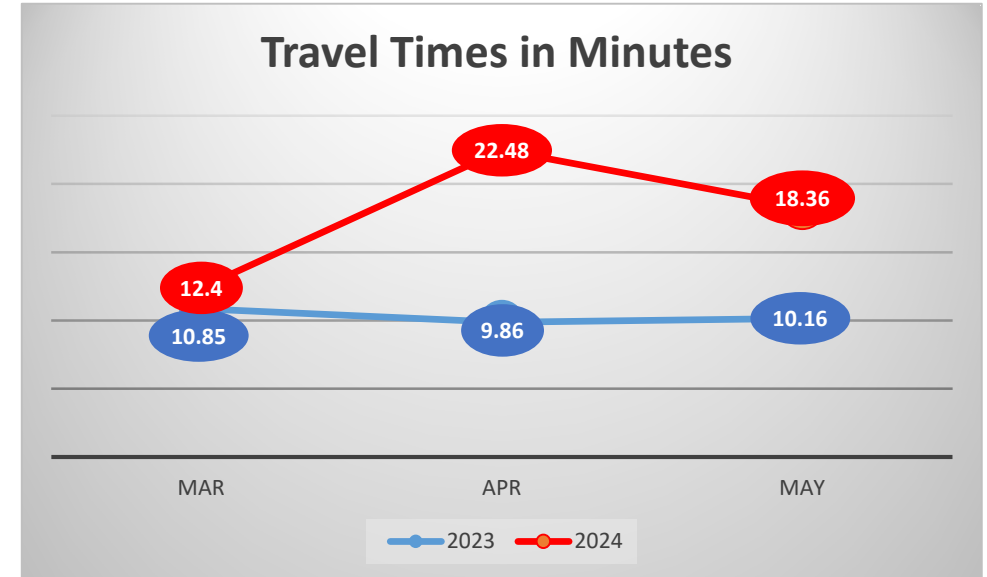
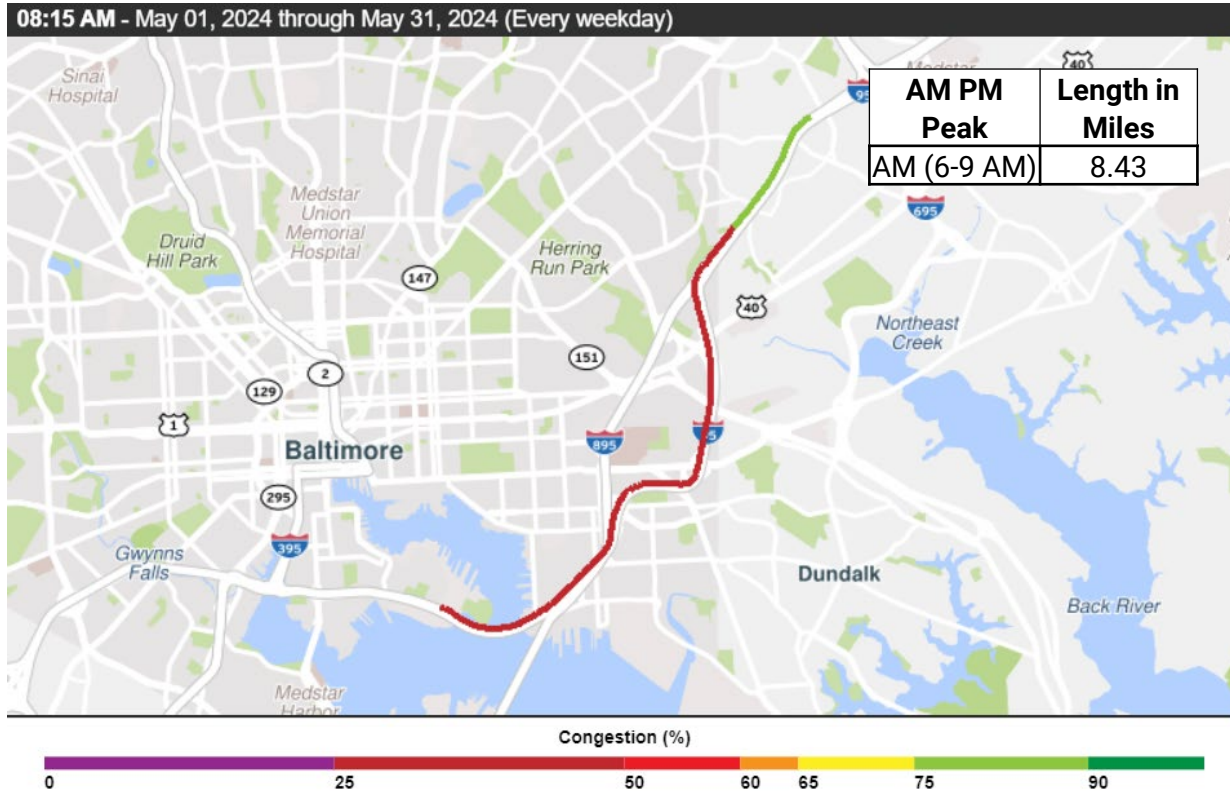
Congestion Percentage = % of Free Flow Speed

# 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

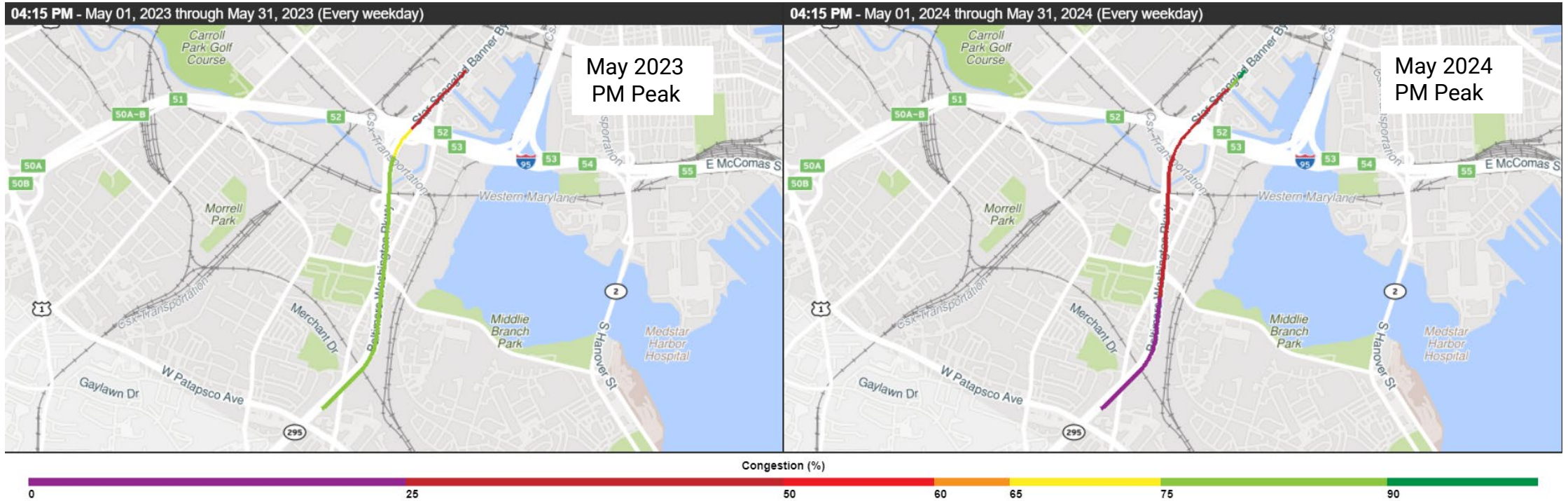


% Change May 2023 to 2024	% Change From Previous Month
79%	18%

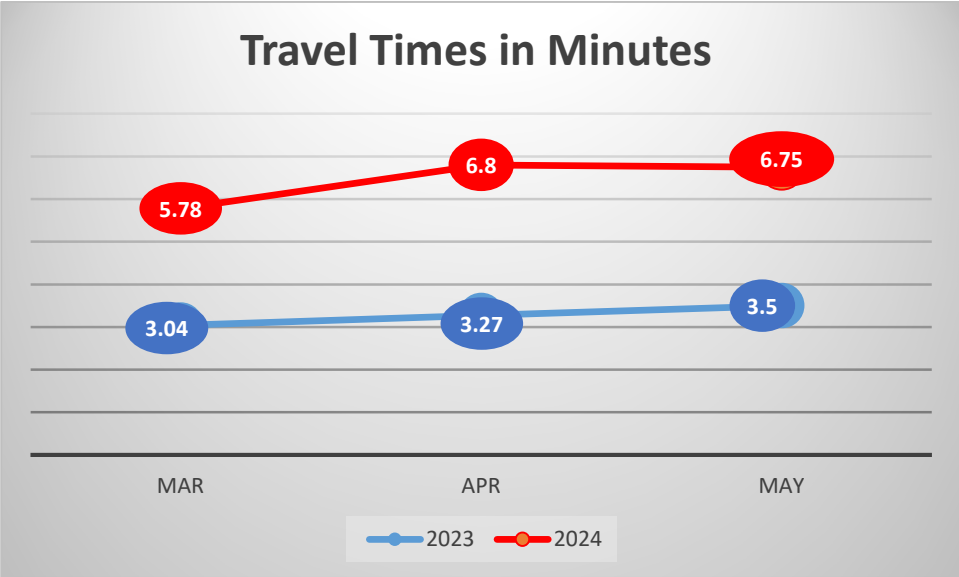
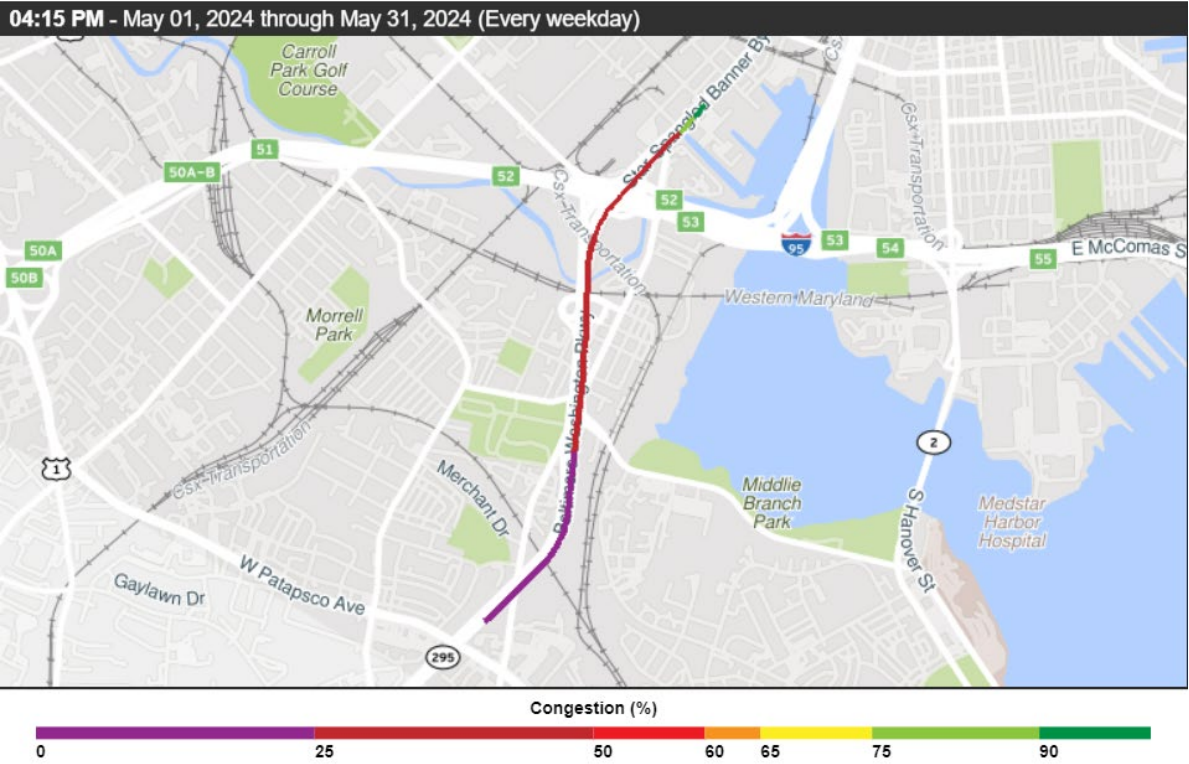
Congestion Percentage = % of Free Flow Speed

# 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

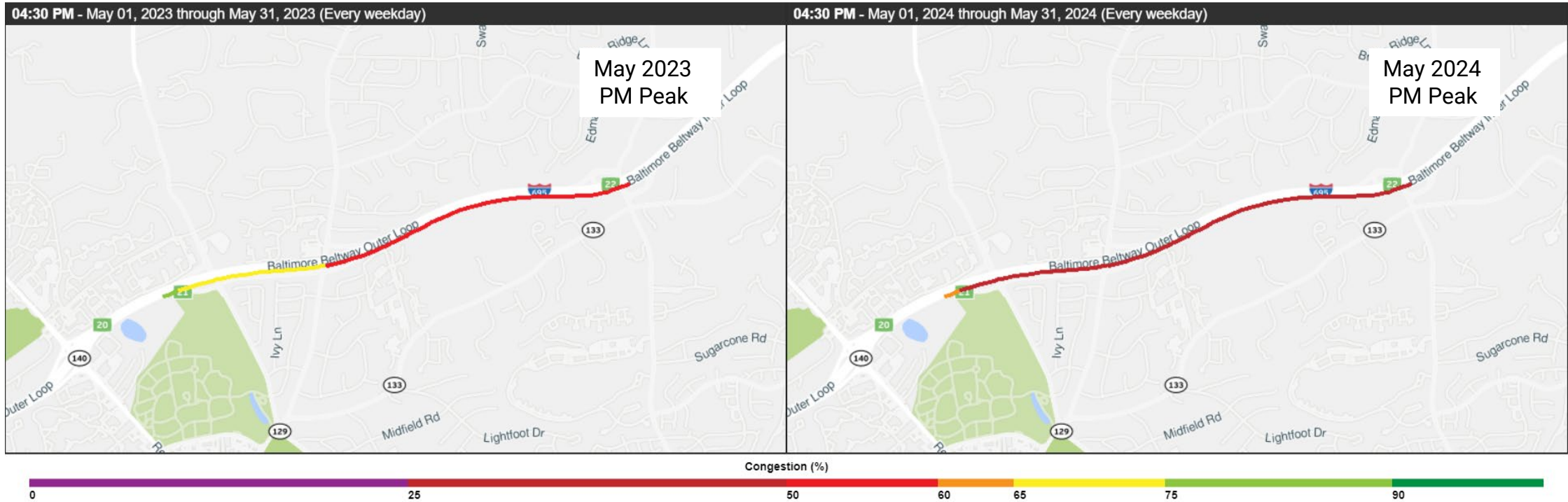


% Change May 2023 to 2024	% Change From Previous Month
93%	1%

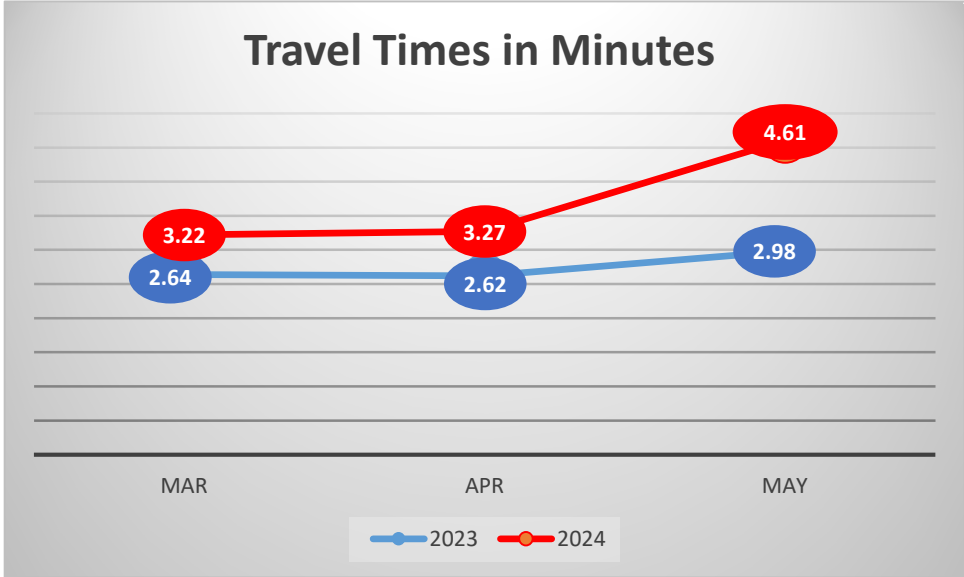
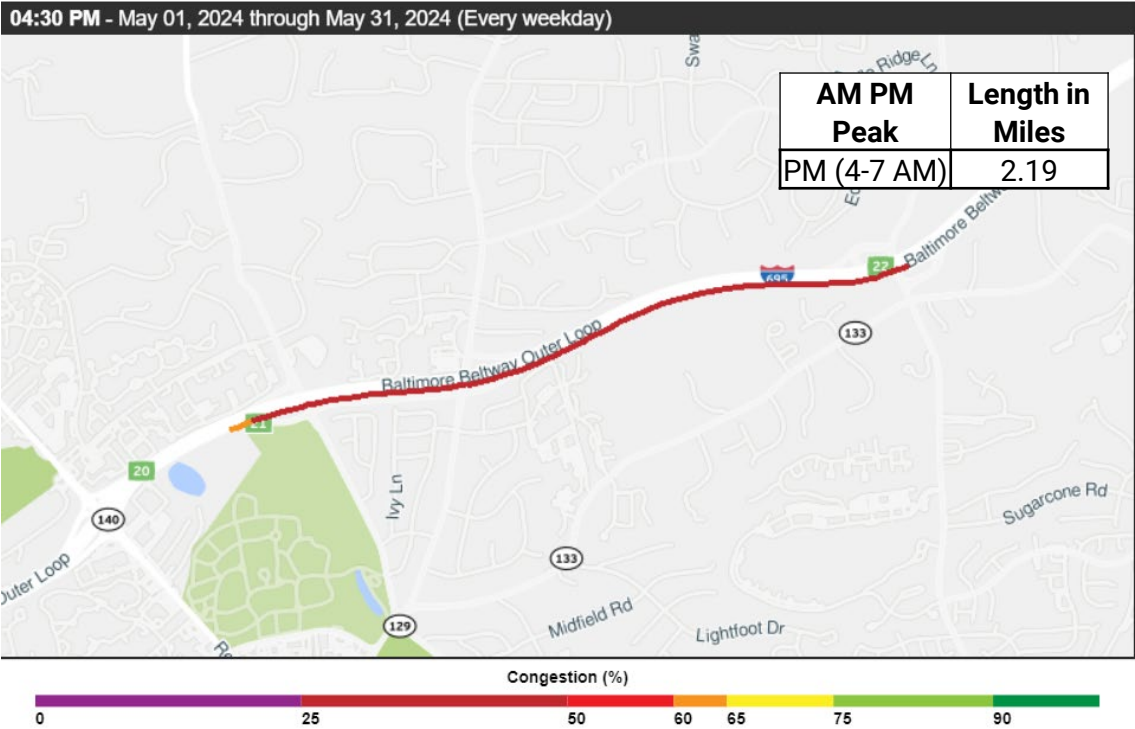
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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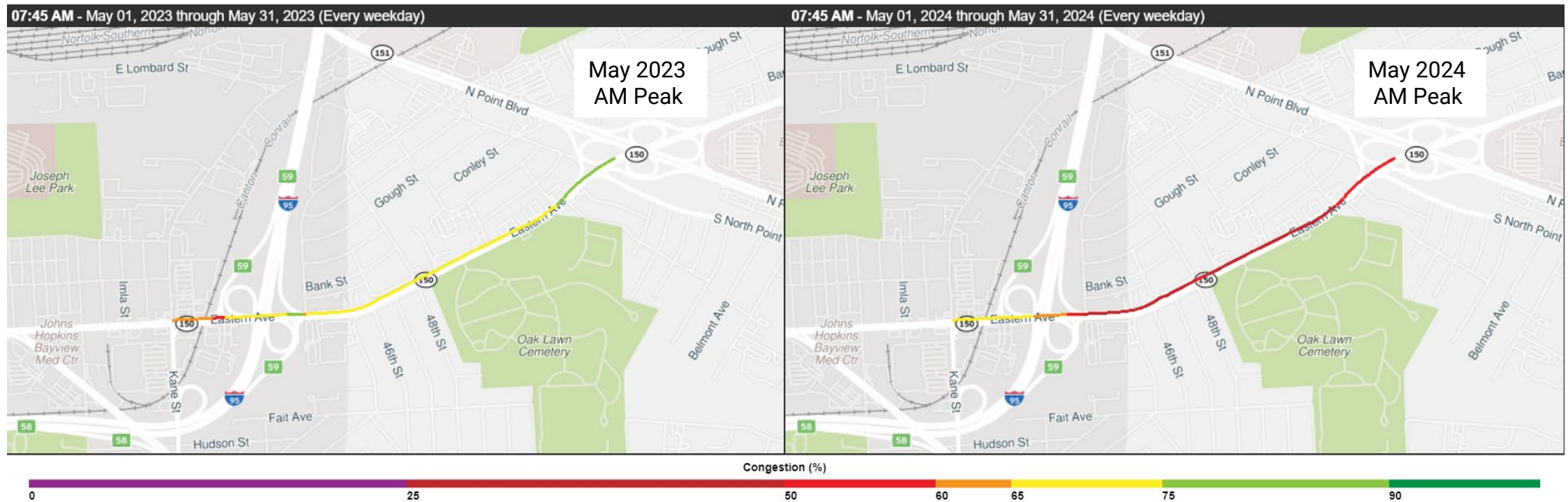
% Change May 2023 to 2024	% Change From Previous Month
55%	3%

Congestion Percentage = % of Free Flow Speed

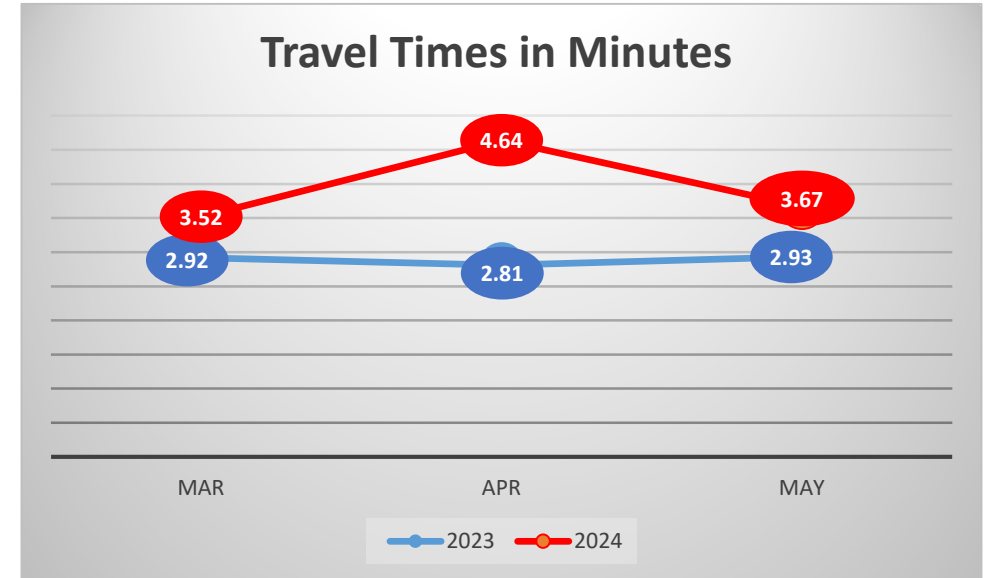
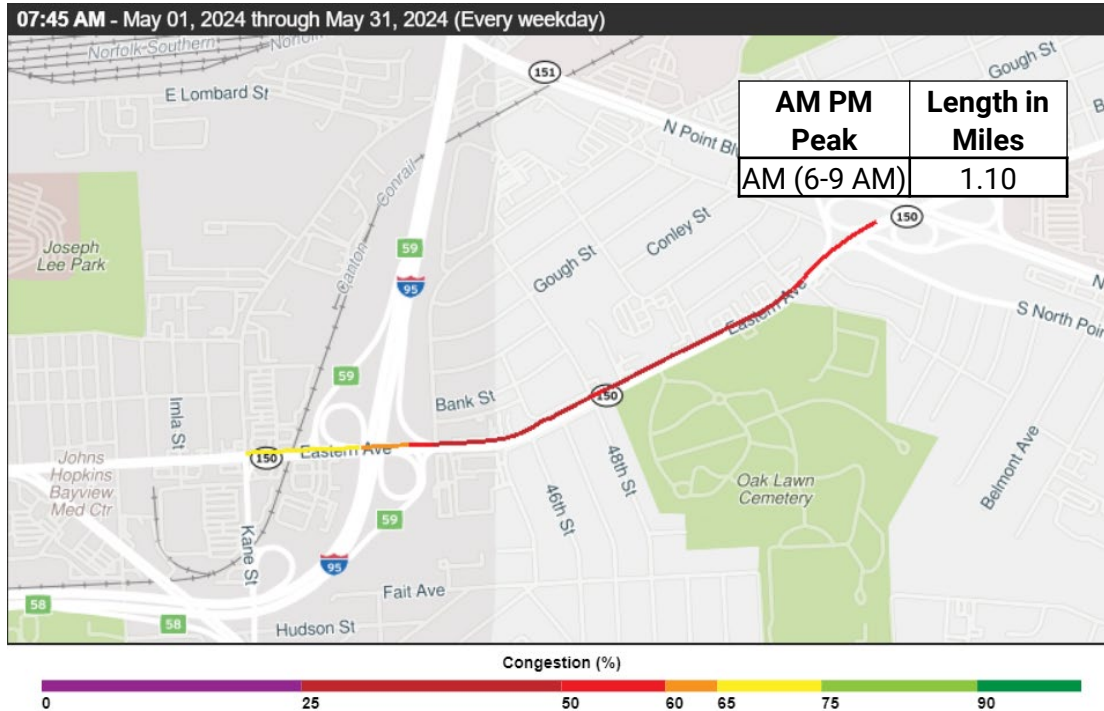


# KB8 - MD-150/Eastern Blvd WB from MD-151/North Pont Blvd to Kane St

Congestion Percentage = % of Free Flow Speed



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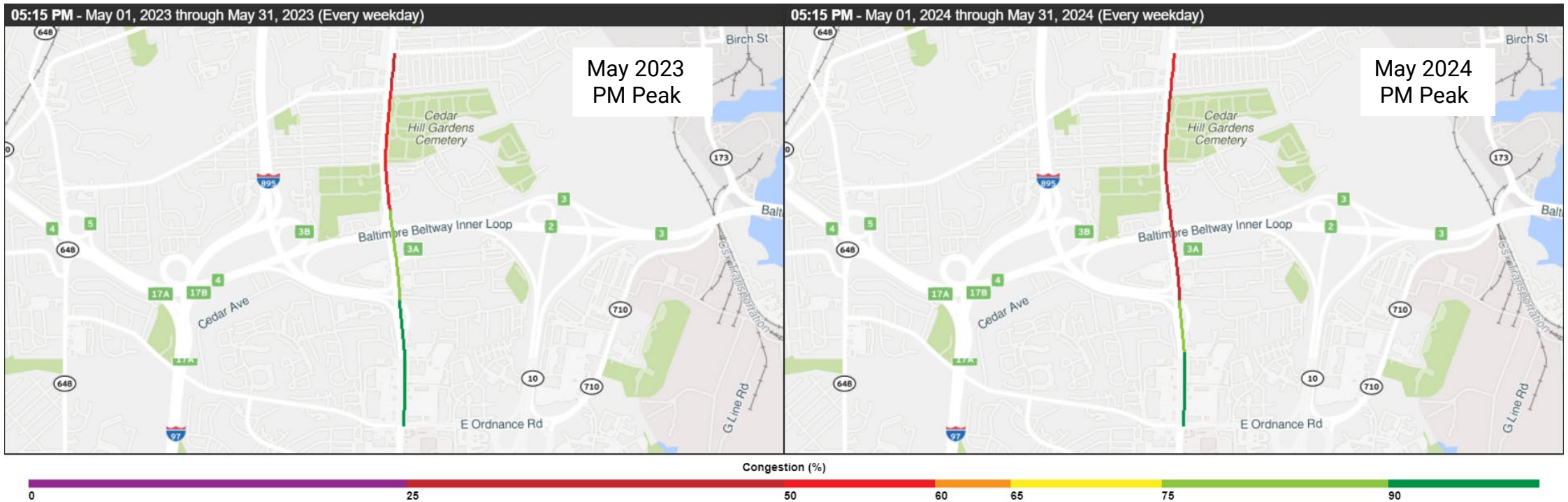


% Change May 2023 to 2024	% Change From Previous Month
25%	21%

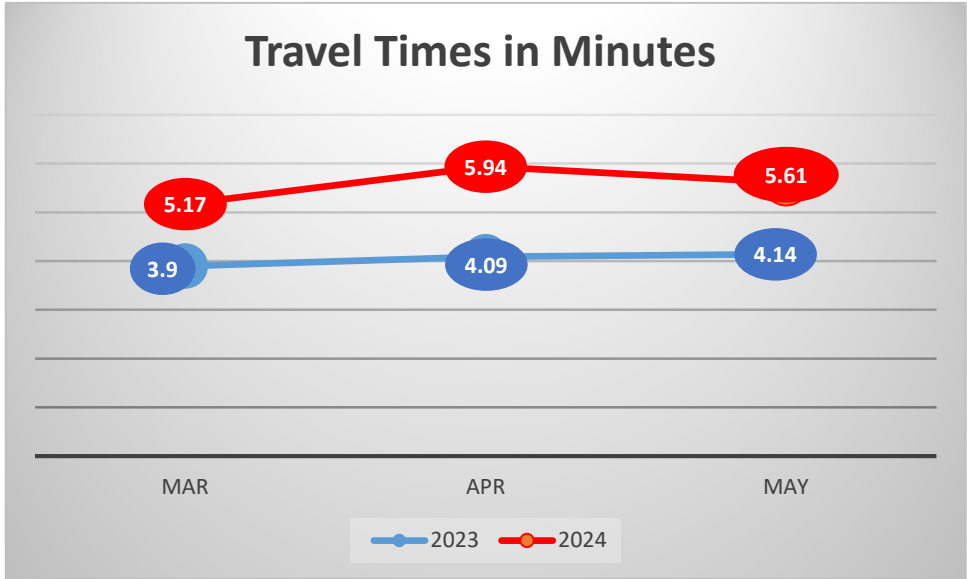
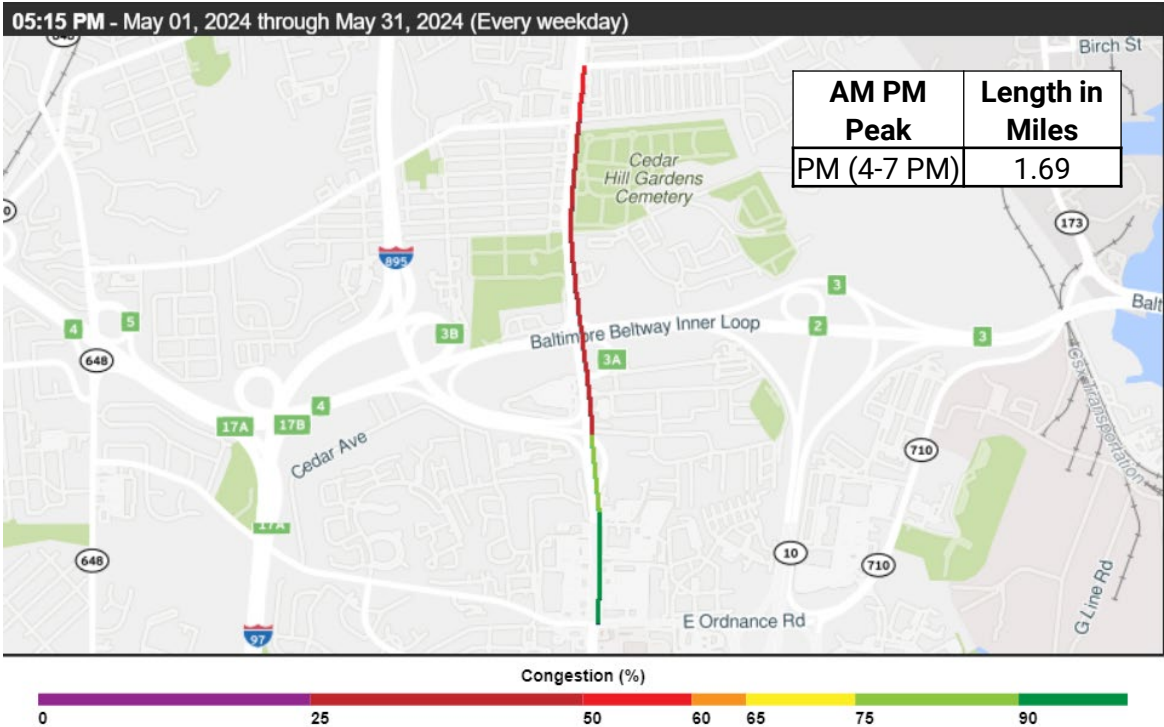
Congestion Percentage = % of Free Flow Speed

# 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

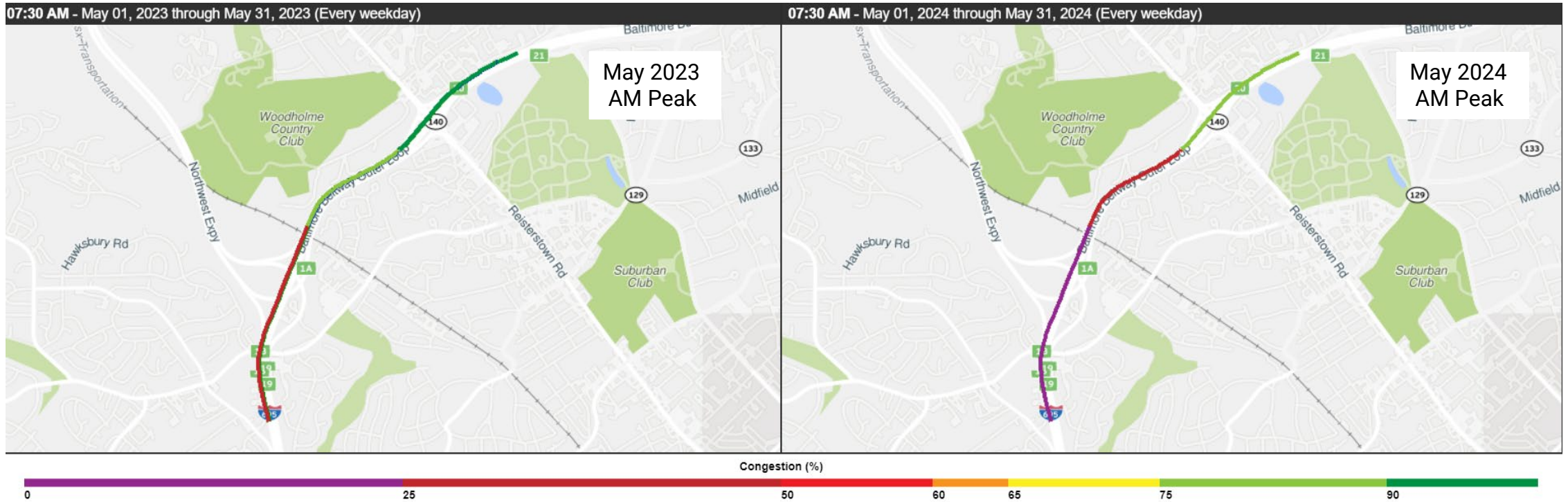


% Change May 2023 to 2024	% Change From Previous Month
36%	6%

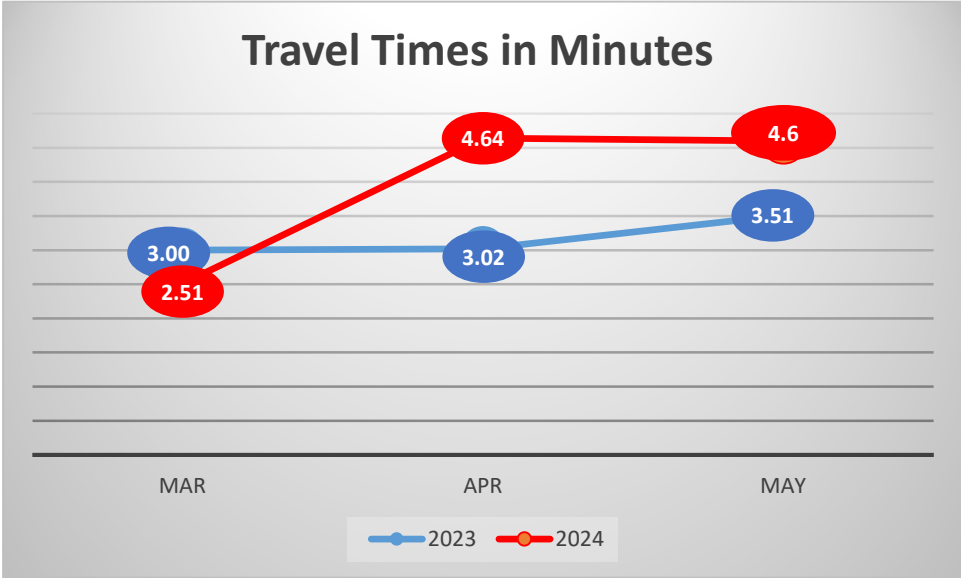
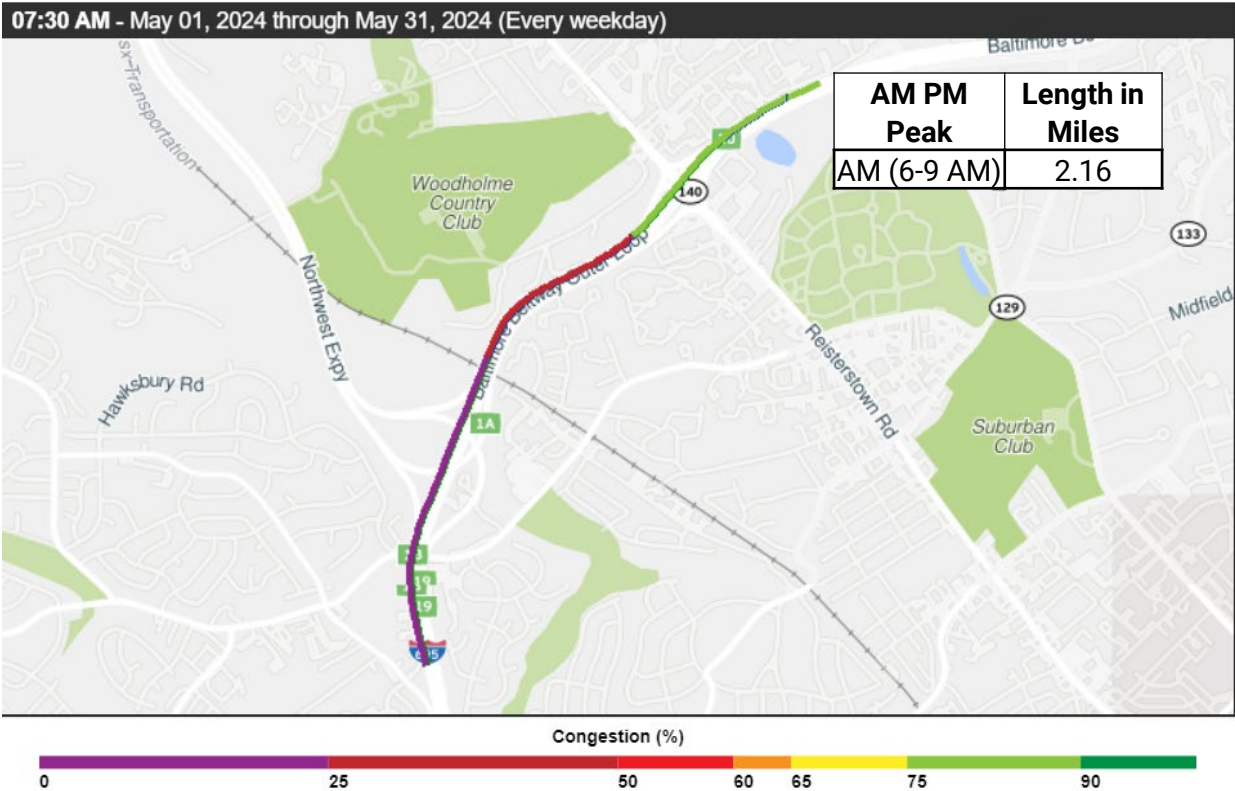
Congestion Percentage = % of Free Flow Speed

# 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

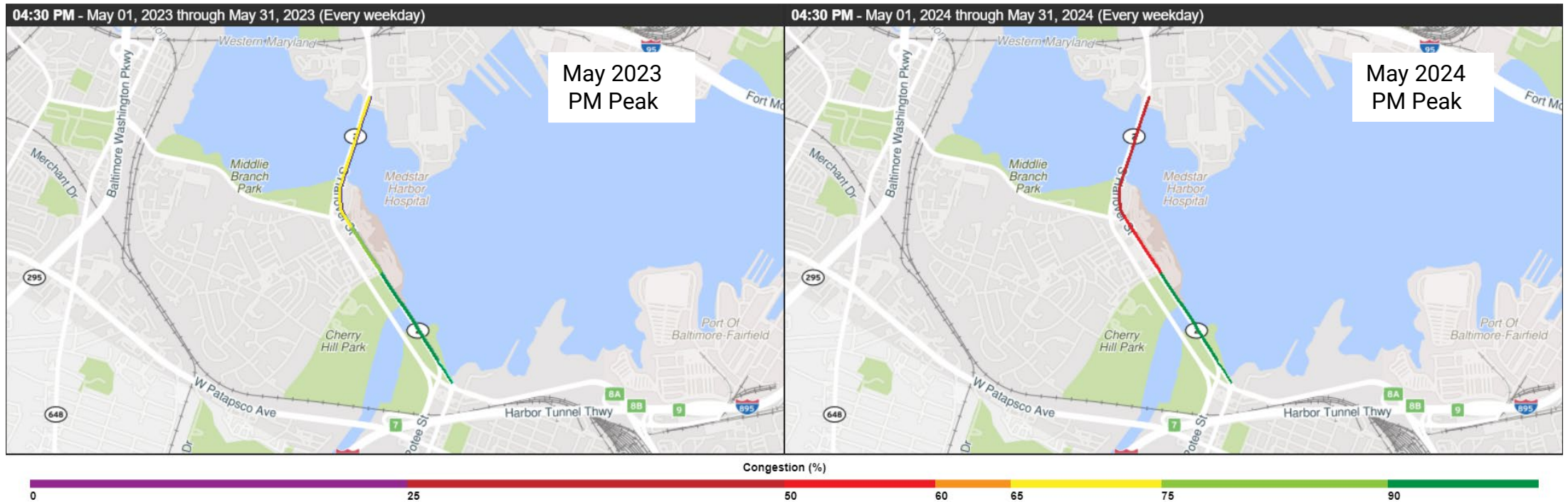


% Change May 2023 to 2024	% Change From Previous Month
31%	1%

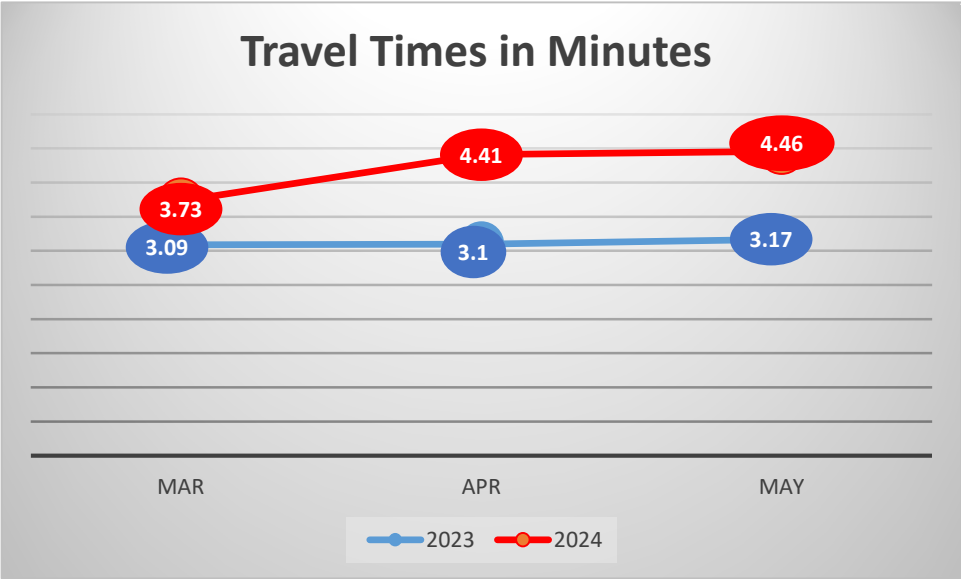
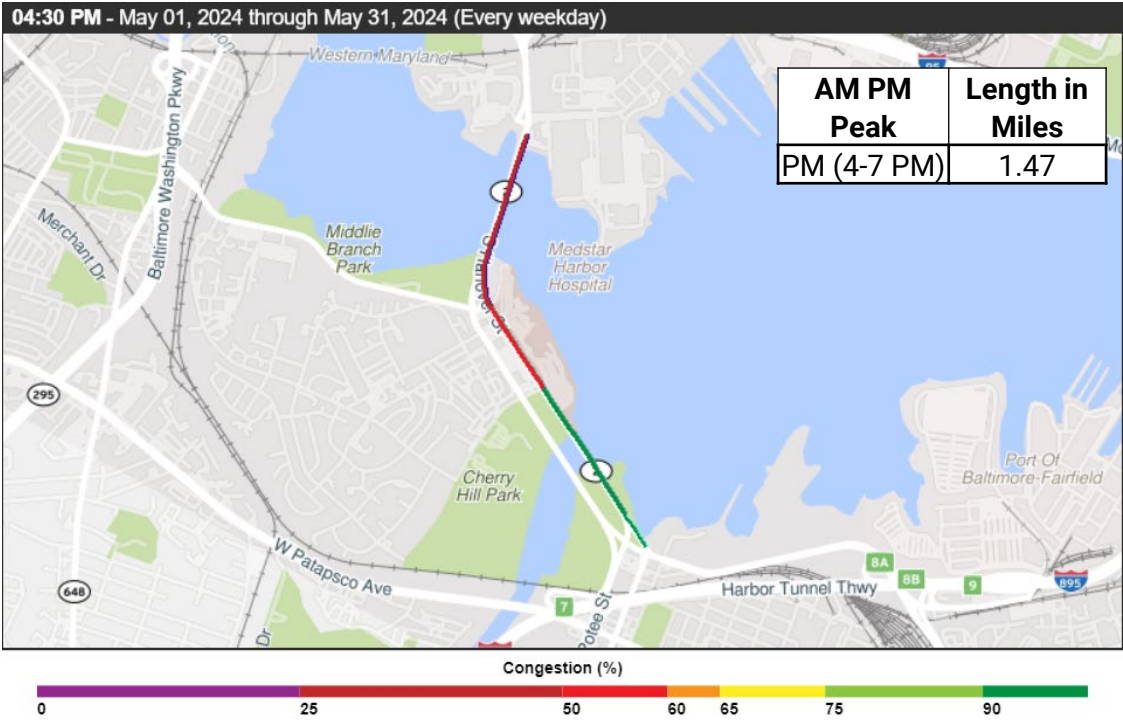
Congestion Percentage = % of Free Flow Speed

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

Congestion Percentage = % of Free Flow Speed



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



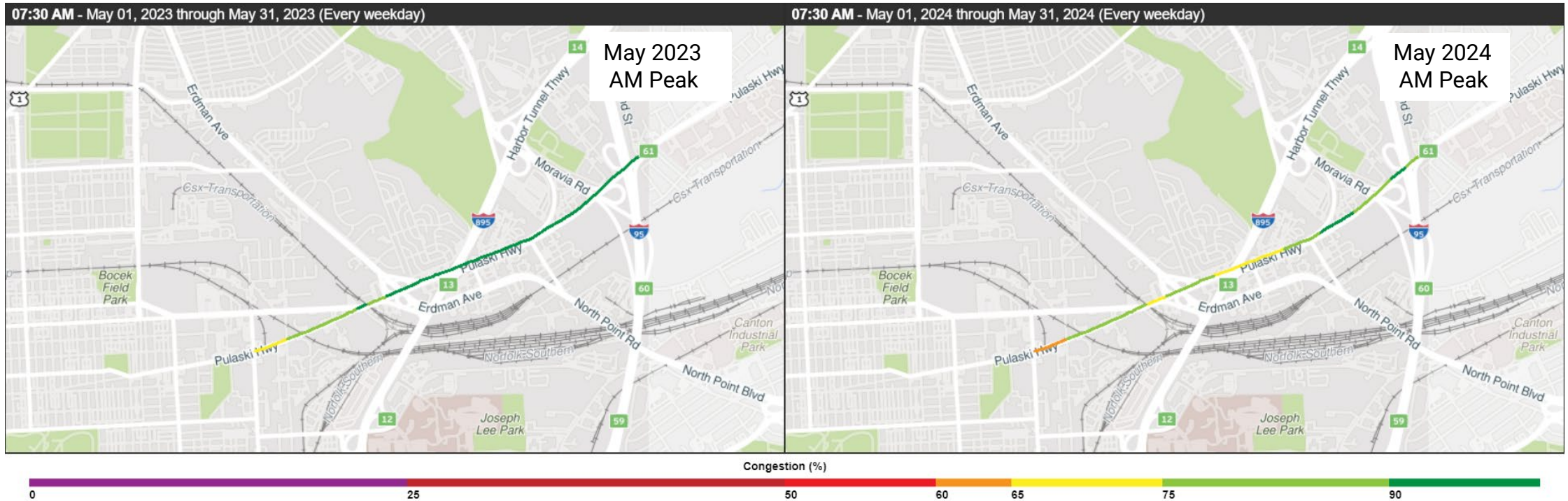
% Change May 2023 to 2024	% Change From Previous Month
41%	1%

Congestion Percentage = % of Free Flow Speed

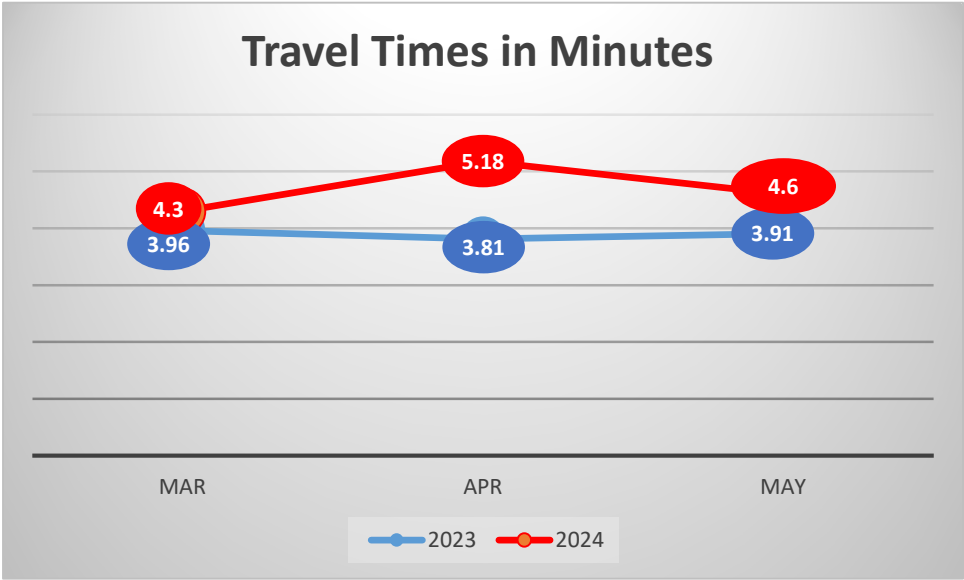
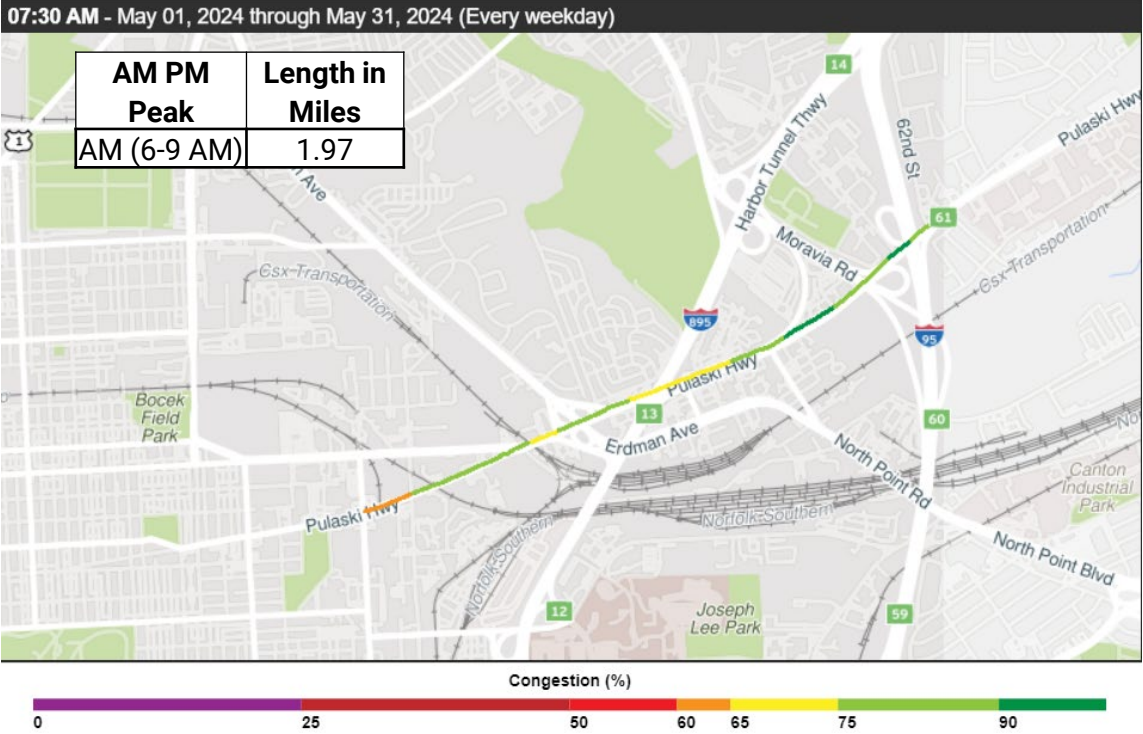


# KB12 - US-40/Pulaski Hwy WB from City Line to N Haven St

Congestion Percentage = % of Free Flow Speed



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

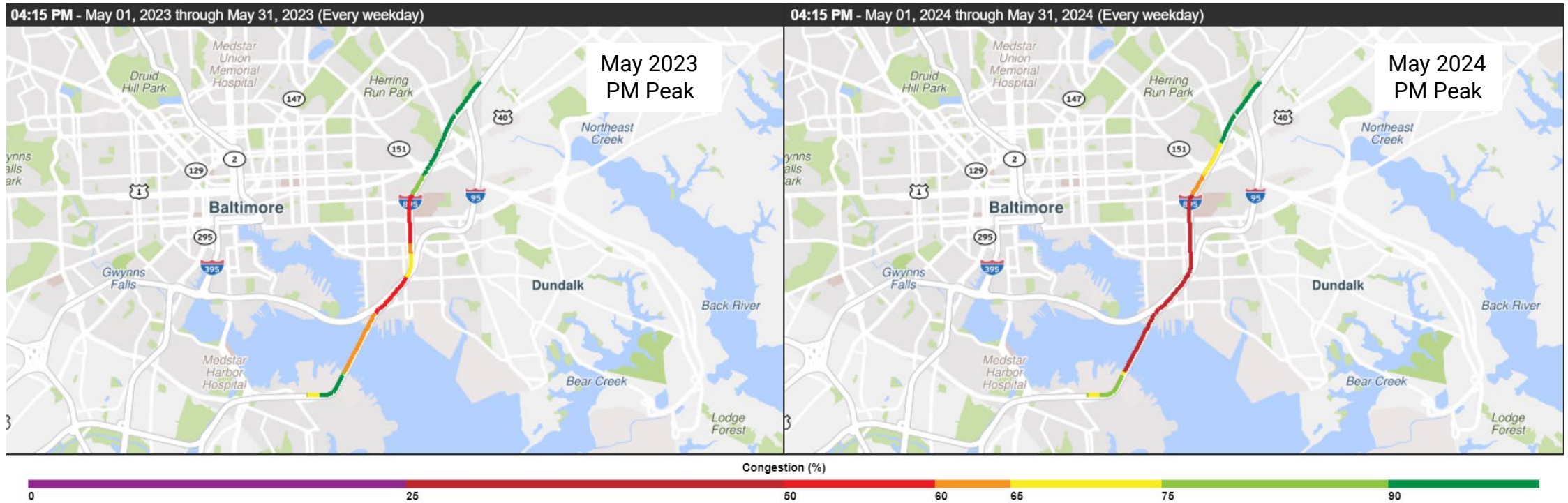


% Change May 2023 to 2024	% Change From Previous Month
18%	11%

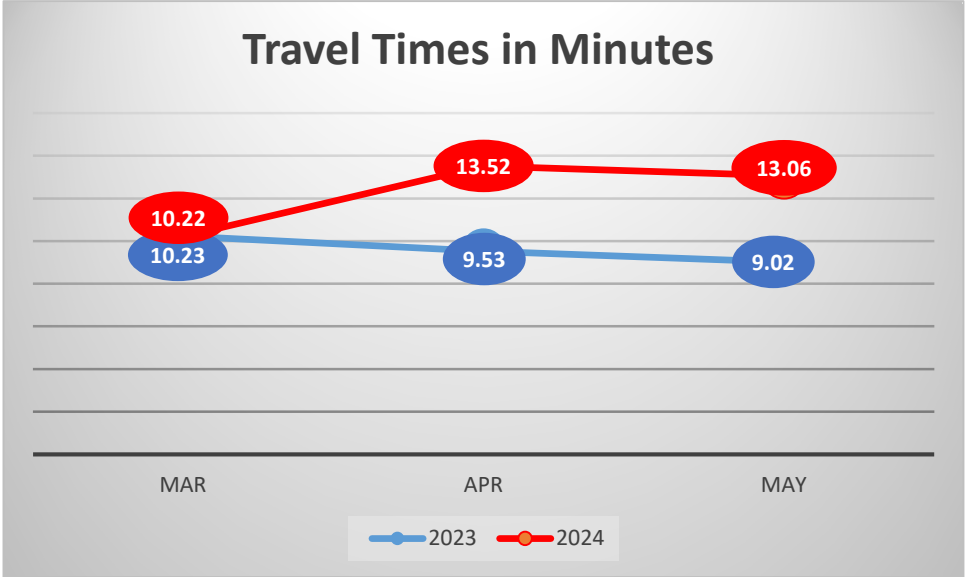
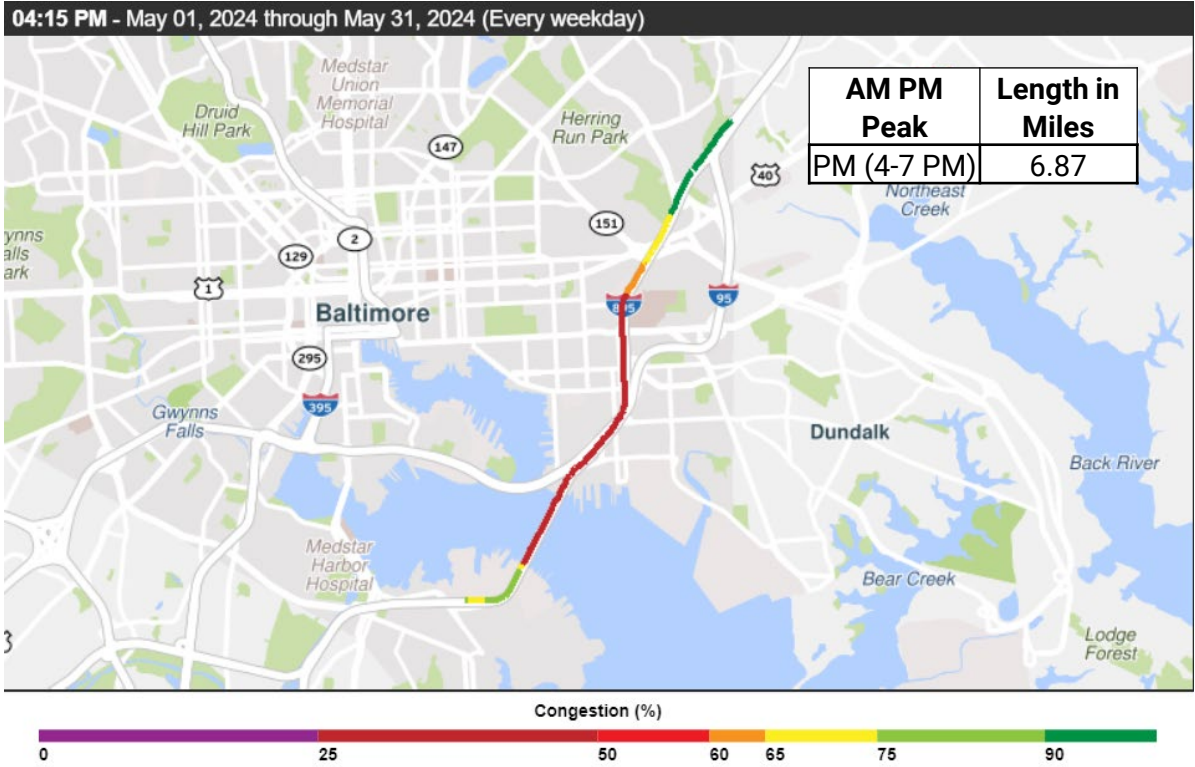
Congestion Percentage = % of Free Flow Speed

# 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

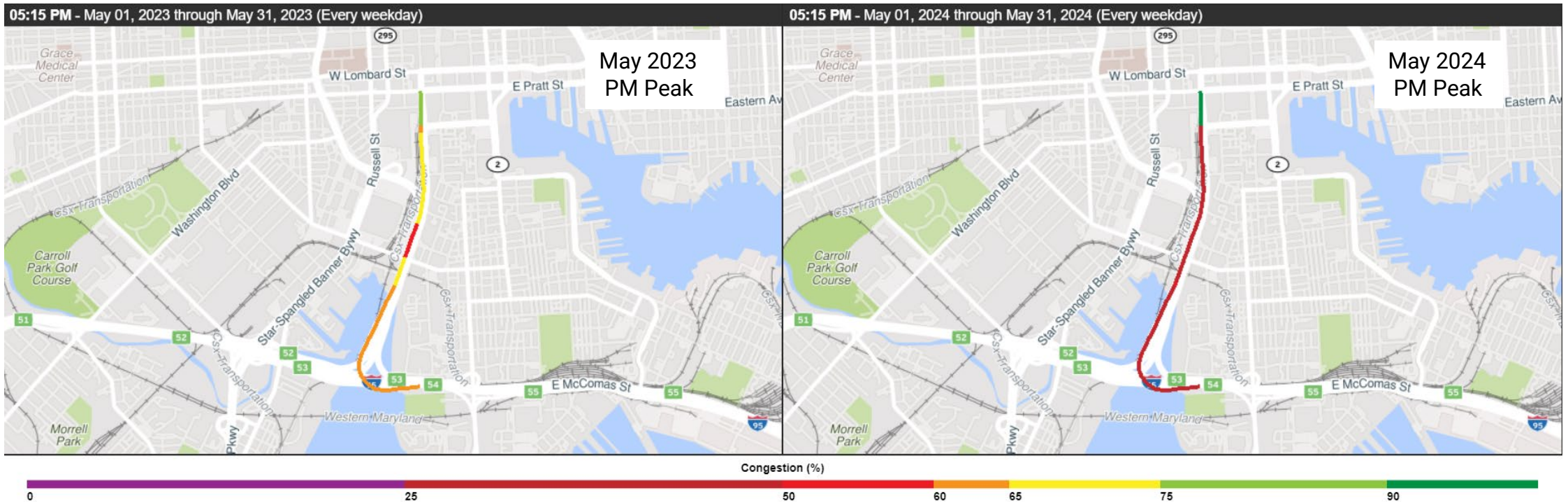


% Change May 2023 to 2024	% Change From Previous Month
45%	3%

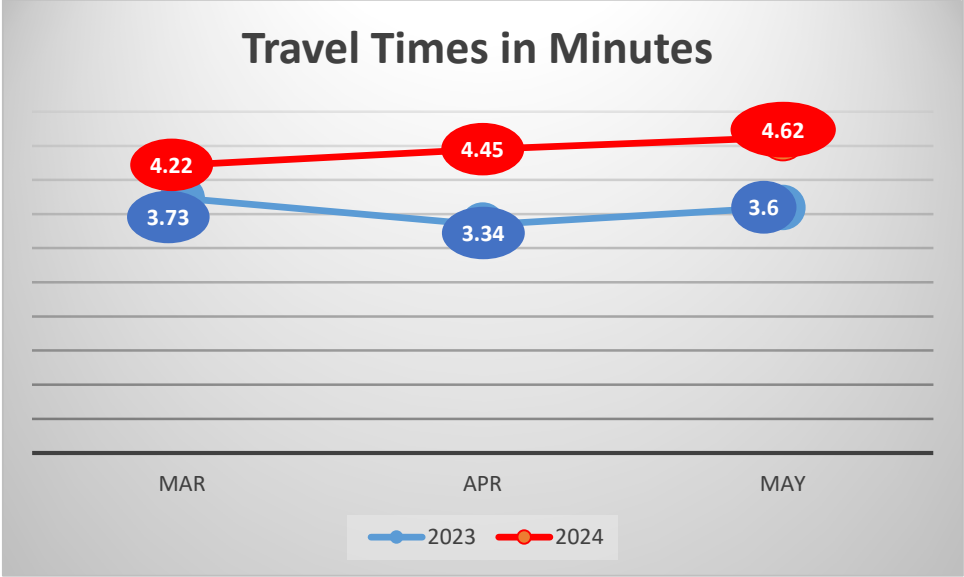
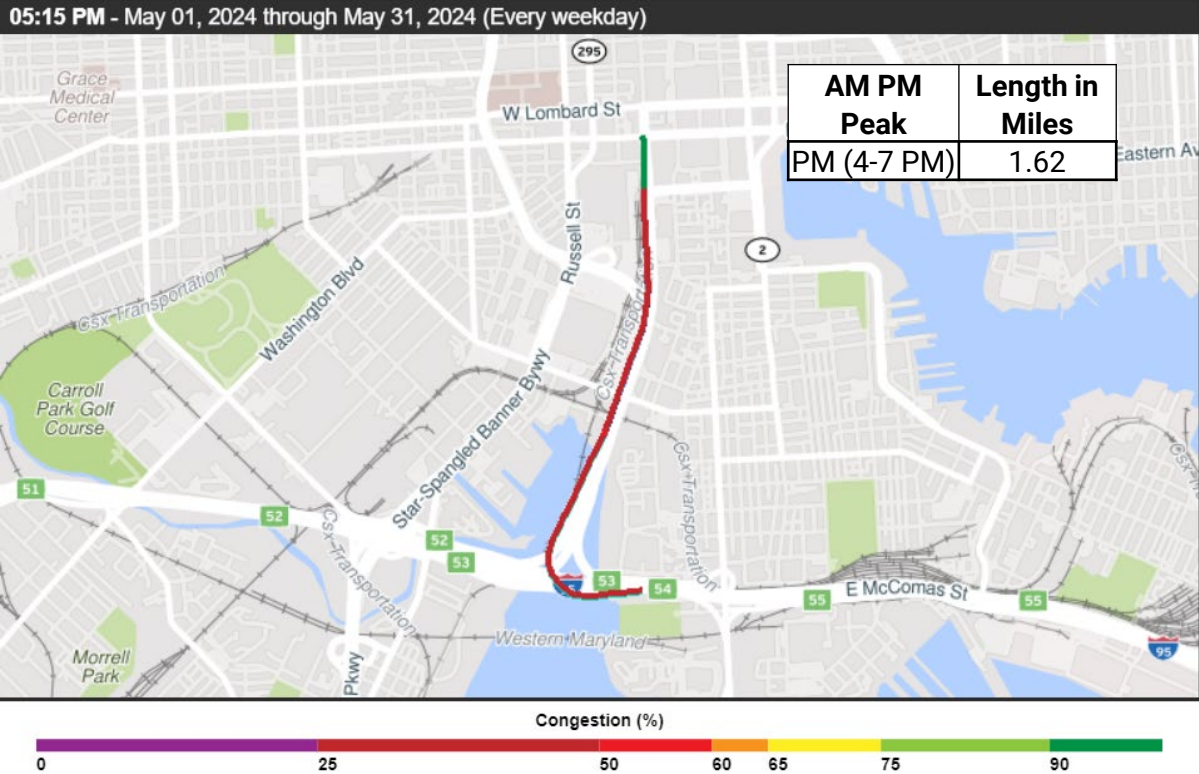
Congestion Percentage = % of Free Flow Speed

# 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)

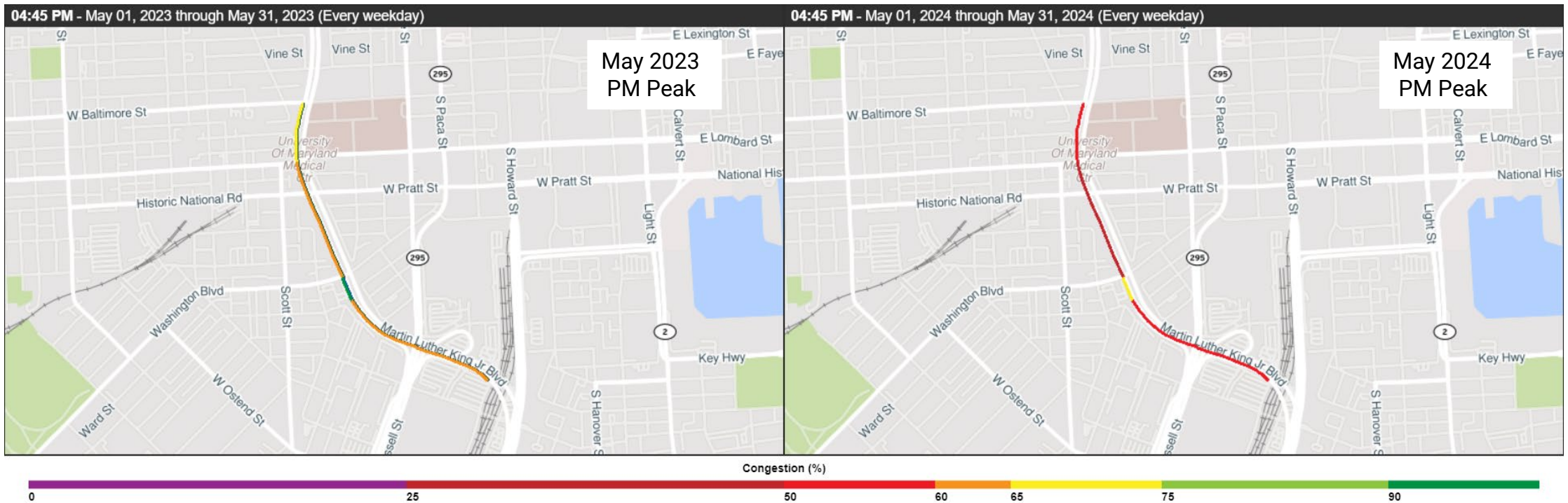


% Change May 2023 to 2024	% Change From Previous Month
28%	4%

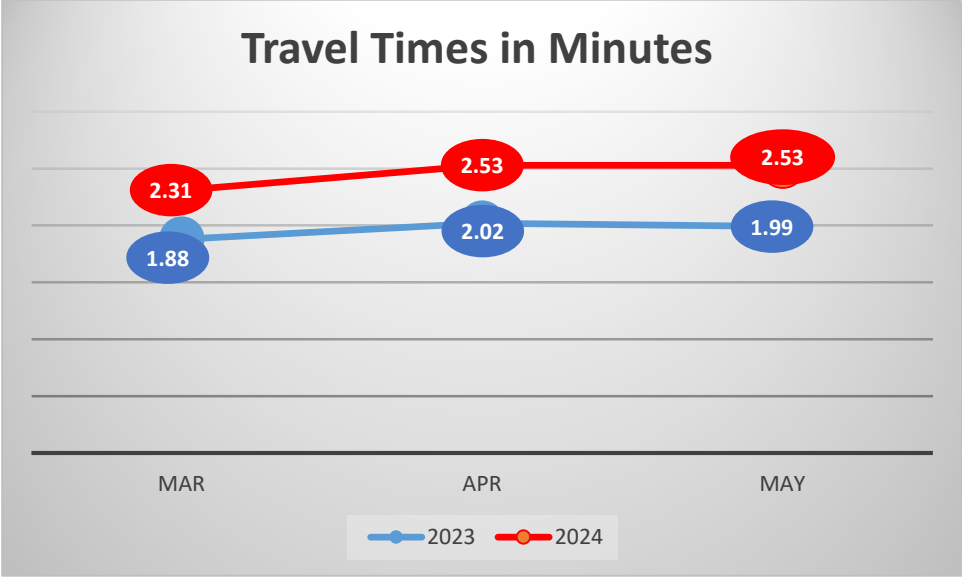
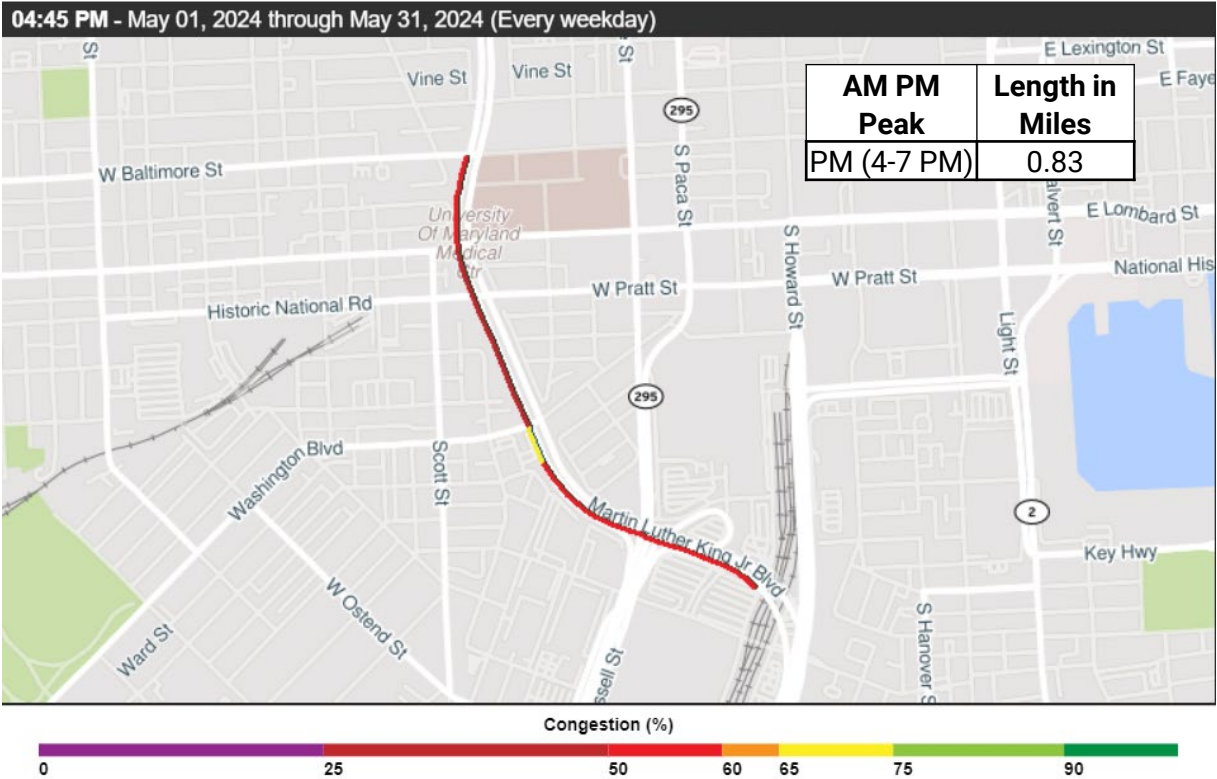
Congestion Percentage = % of Free Flow Speed

# 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



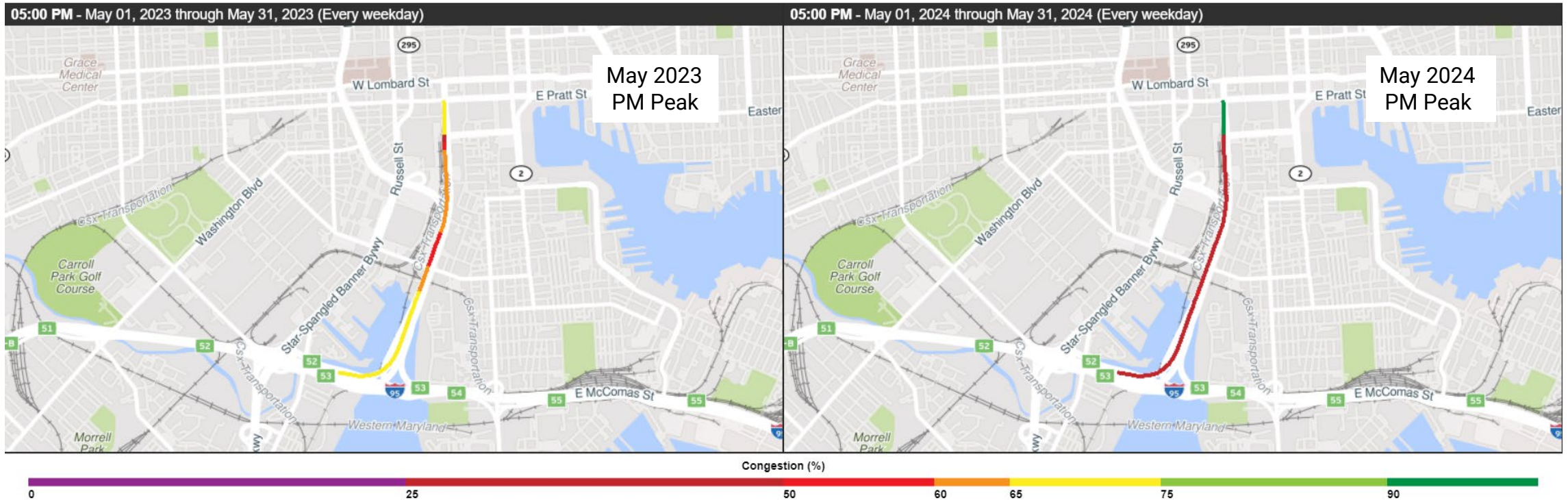
% Change May 2023 to 2024	% Change From Previous Month
27%	0%

Congestion Percentage = % of Free Flow Speed

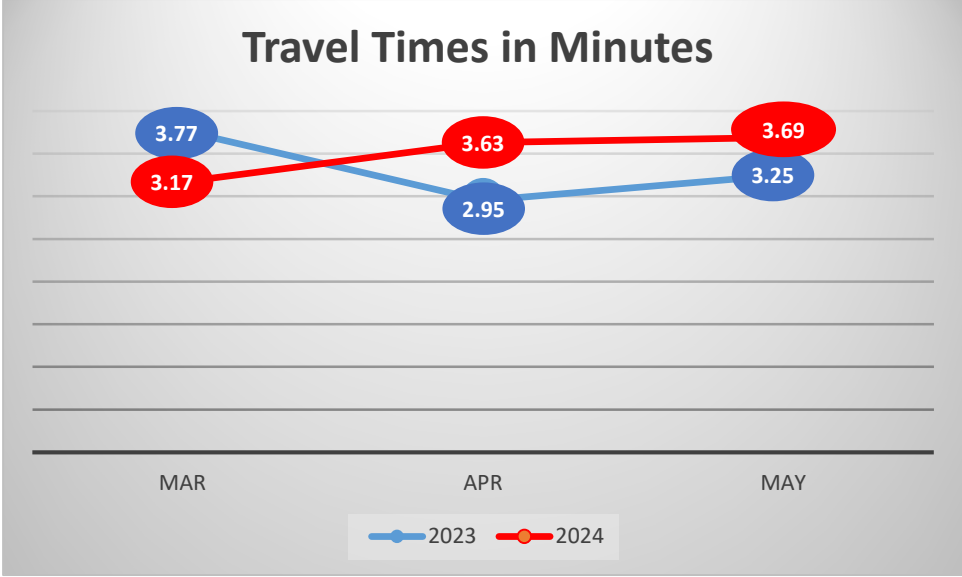
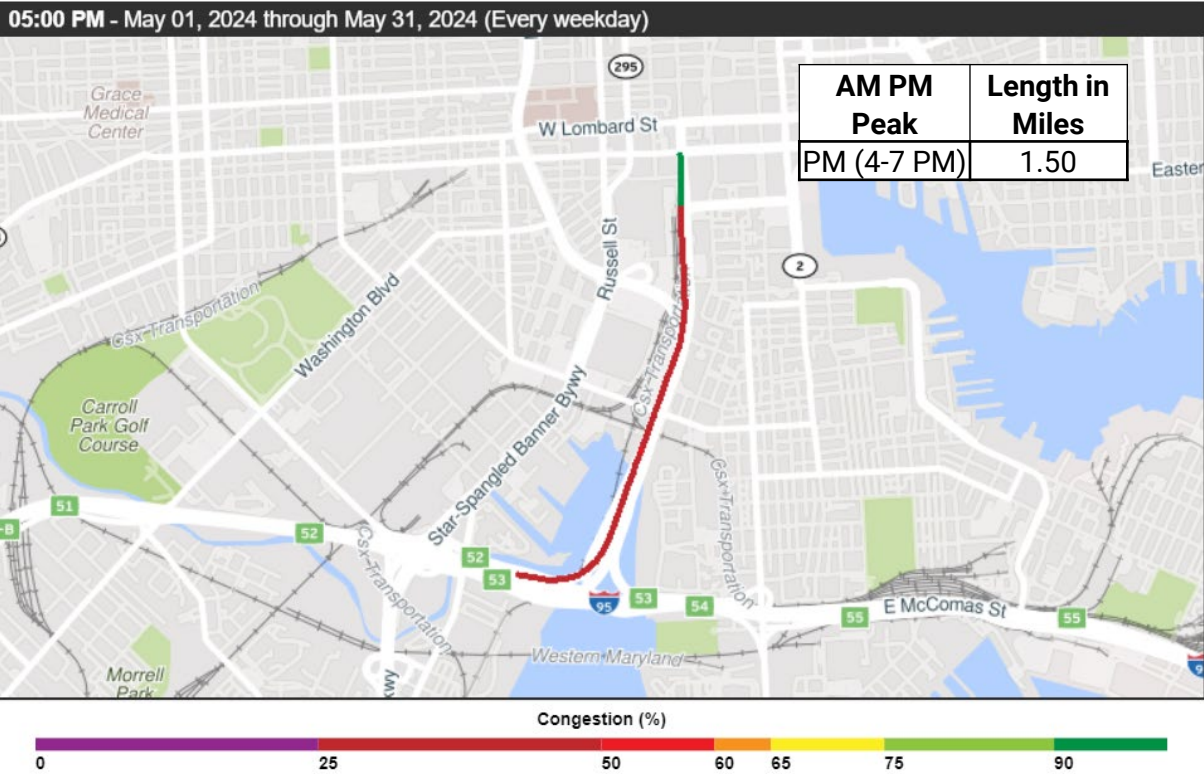


# KB16 - I-395 SB to I-95 SB (East Pratt to I-95)

Congestion Percentage = % of Free Flow Speed



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



% Change May 2023 to 2024	% Change From Previous Month
14%	2%

Congestion Percentage = % of Free Flow Speed

# For More Information

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