



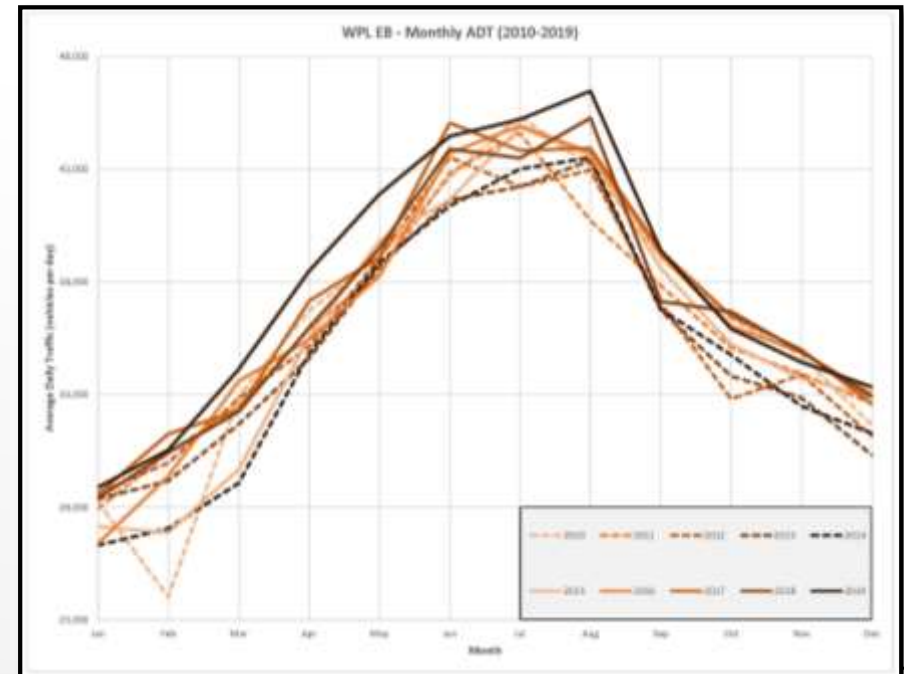
Maryland
Transportation
Authority

BAY BRIDGE: CONGESTION MANAGEMENT

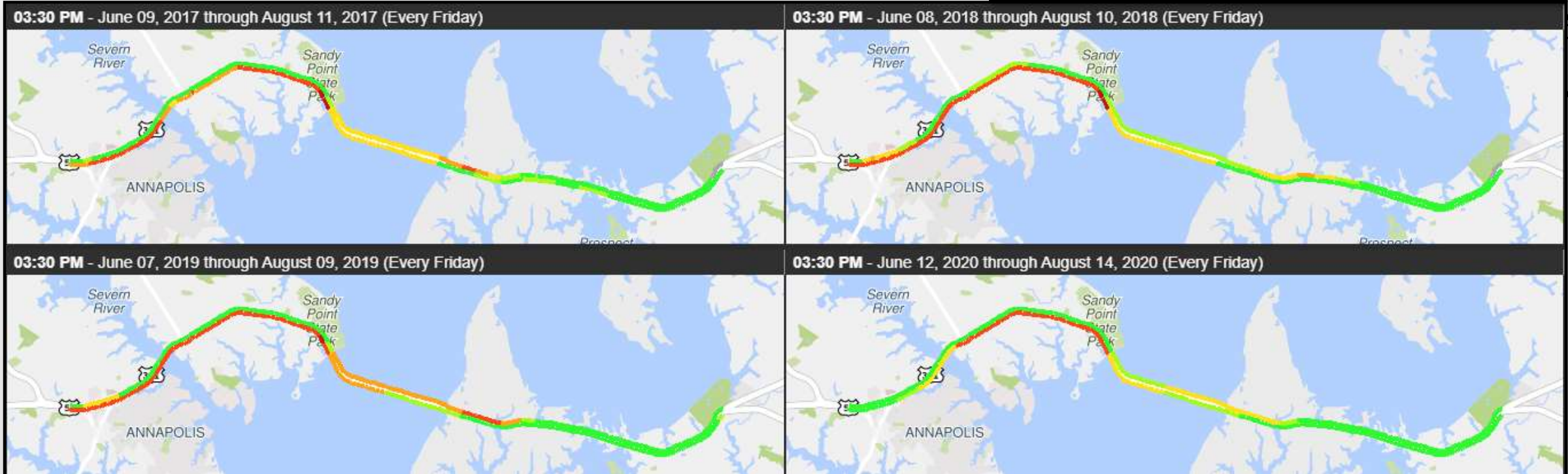
William Preston Lane, Jr. Memorial (Bay) Bridge

October 7, 2020

VOLUMES ON THE APPROACH: 2010-2019



CONGESTION ON THE APPROACH: 2017 – 2020 AVERAGE SUMMER FRIDAYS



CONGESTION ON THE SIDE ROADS: 2017 THROUGH 2020 AVERAGE SUMMER FRIDAYS

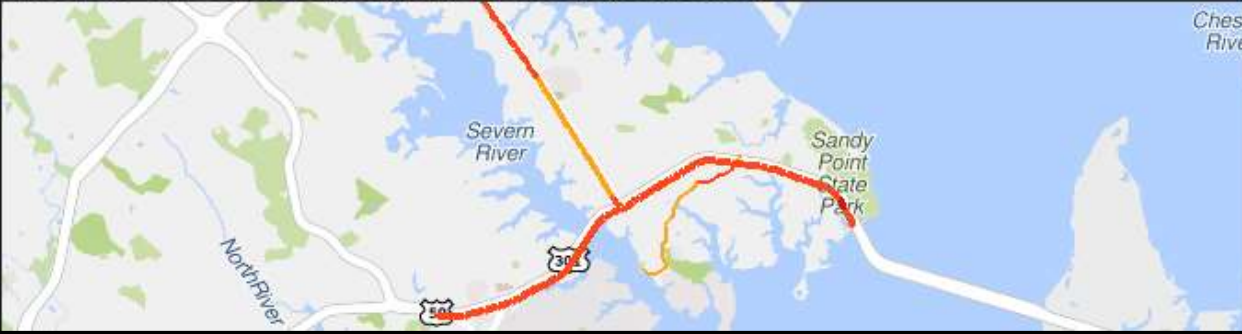
03:30 PM - June 16, 2017 through August 11, 2017 (Every Friday)



03:30 PM - June 15, 2018 through August 10, 2018 (Every Friday)



03:30 PM - June 14, 2019 through August 09, 2019 (Every Friday)

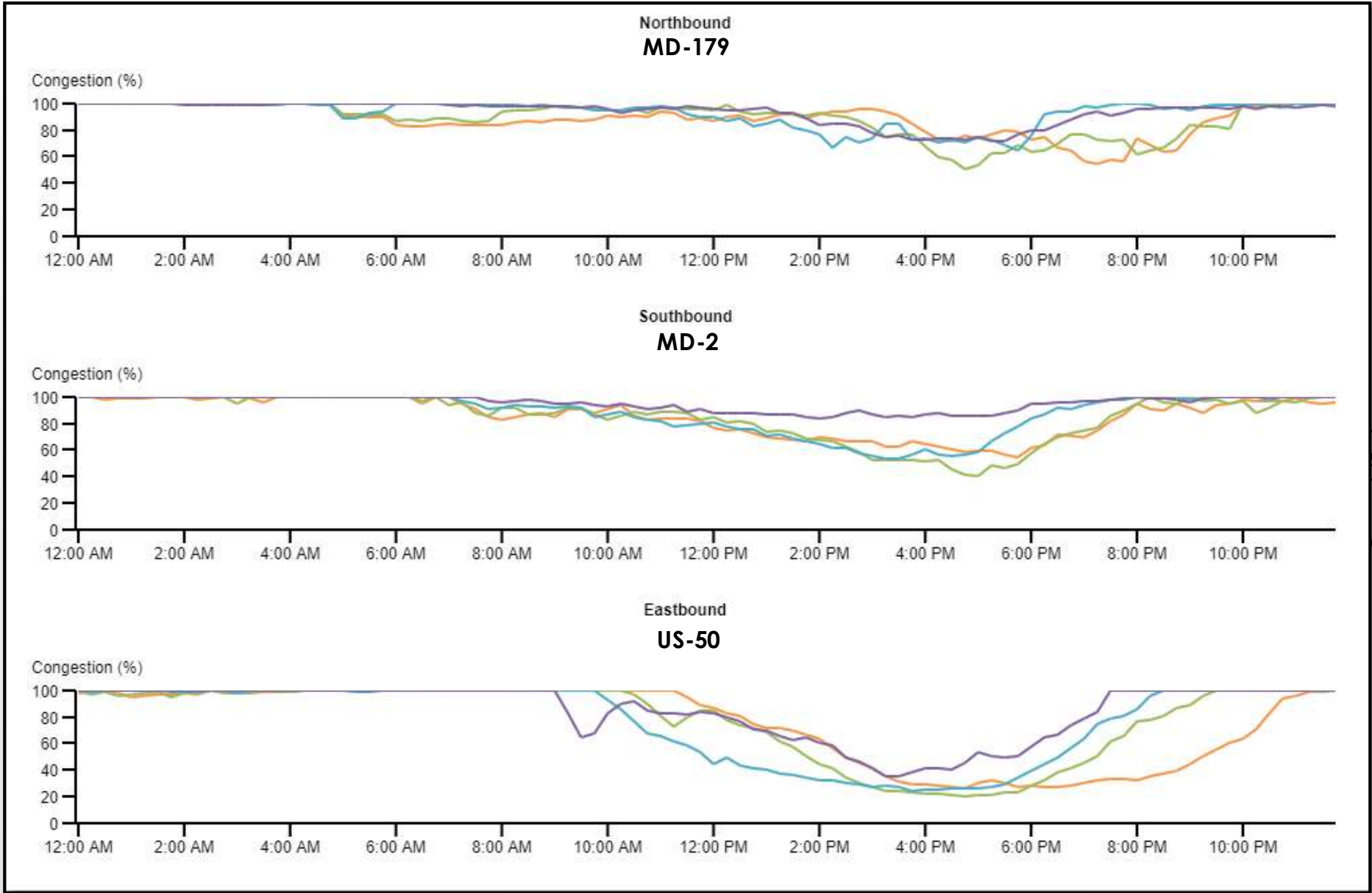


03:30 PM - June 12, 2020 through August 14, 2020 (Every Friday)

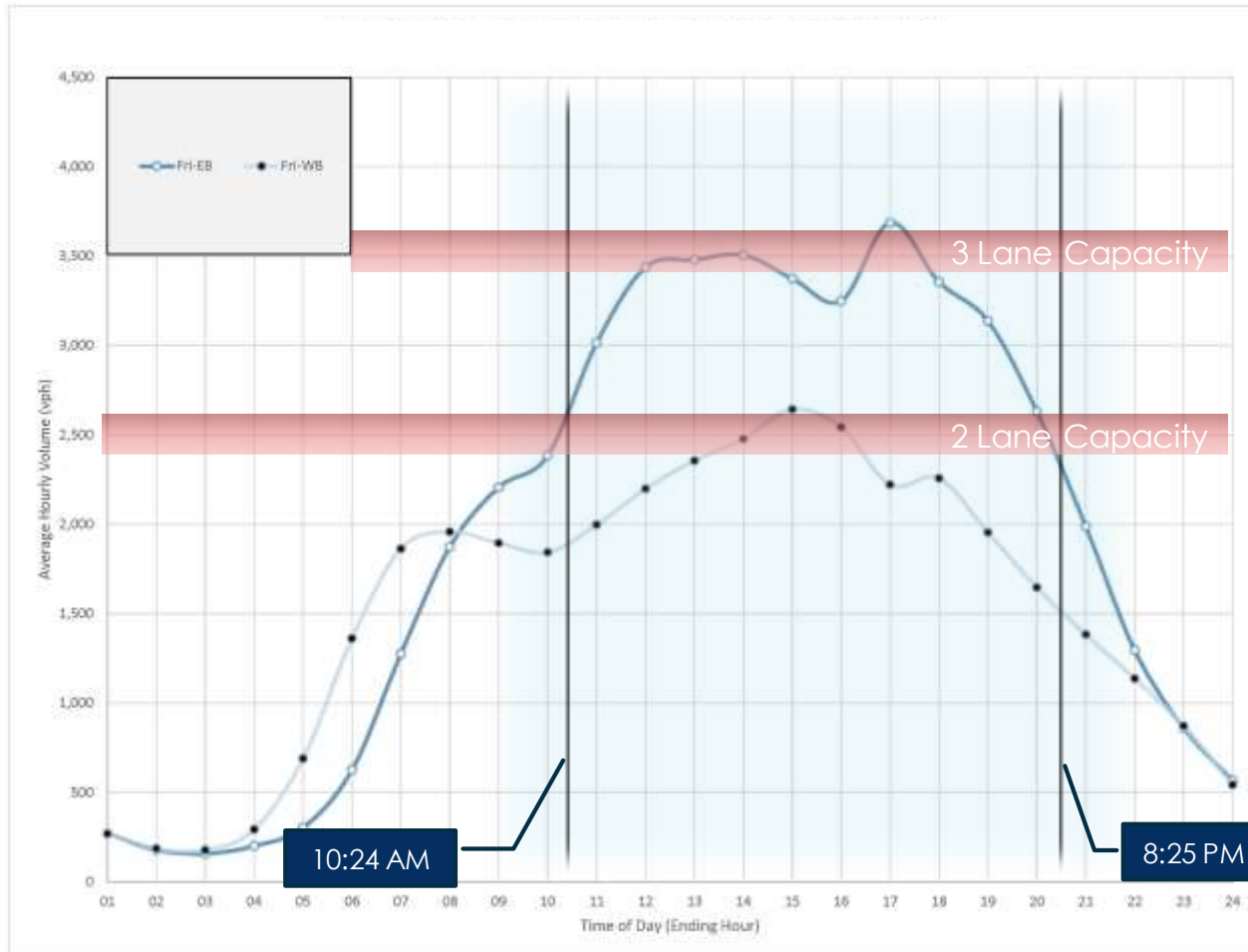


CONGESTION ON THE SIDE ROADS: 2017 THROUGH 2020 AVERAGE SUMMER FRIDAYS

LEGEND
2017 = Orange
2018 = Green
2018 = Blue
2020 = Purple



VOLUMES: 2020 AVERAGE SUMMER FRIDAYS



Average contraflow operations

BAY BRIDGE CAPACITY: 2020 AVERAGE SUMMER FRIDAYS

EB volume peaks early and is sustained throughout the day as drivers make their way toward the Eastern Shore. EB Volumes do not drop off until the evening.

WB volume is not as high during the AM peak (in comparison to a typical weekday), however volumes are higher in the afternoon.

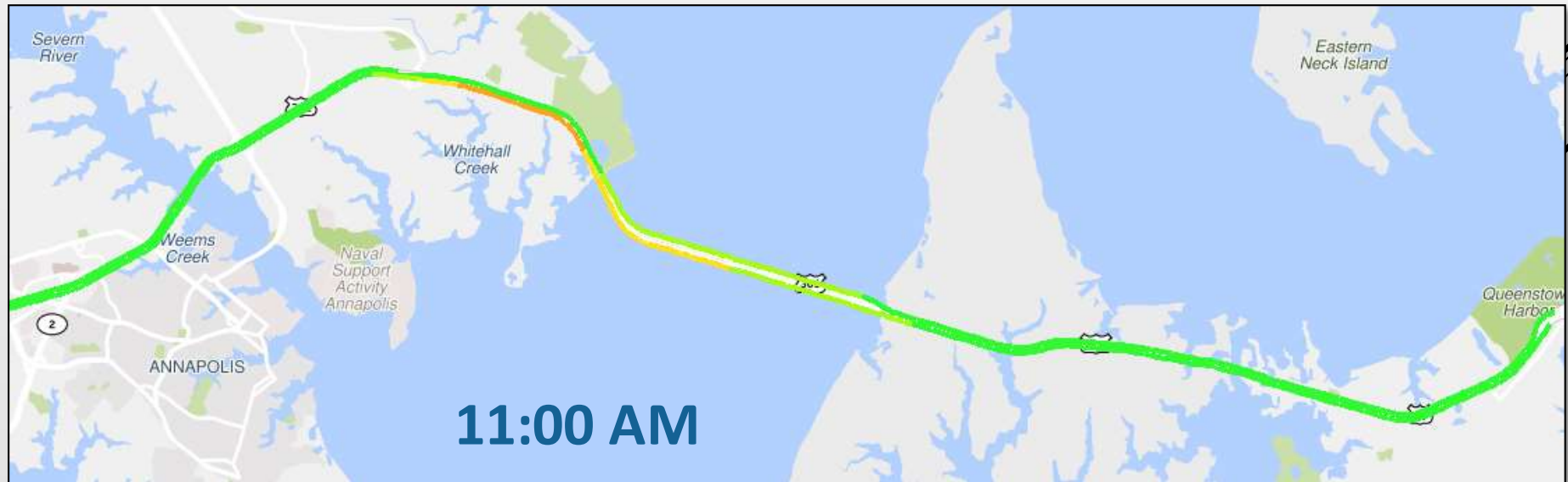
Contraflow operations are implemented for most of the day to service the EB traffic demand. **Contraflow operations may have to be stopped due to incidents or weather, but is re-implemented as soon as possible.**

BAY BRIDGE CAPACITY: 2020 AVERAGE SUMMER FRIDAYS

**EB VOLUME
APPROACHES
2 LANE
CAPACITY —
QUEUE
FORMS**



**EB VOLUME
CONTINUE TO
INCREASE —
CONTRAFLOW
IMPLEMENTED**

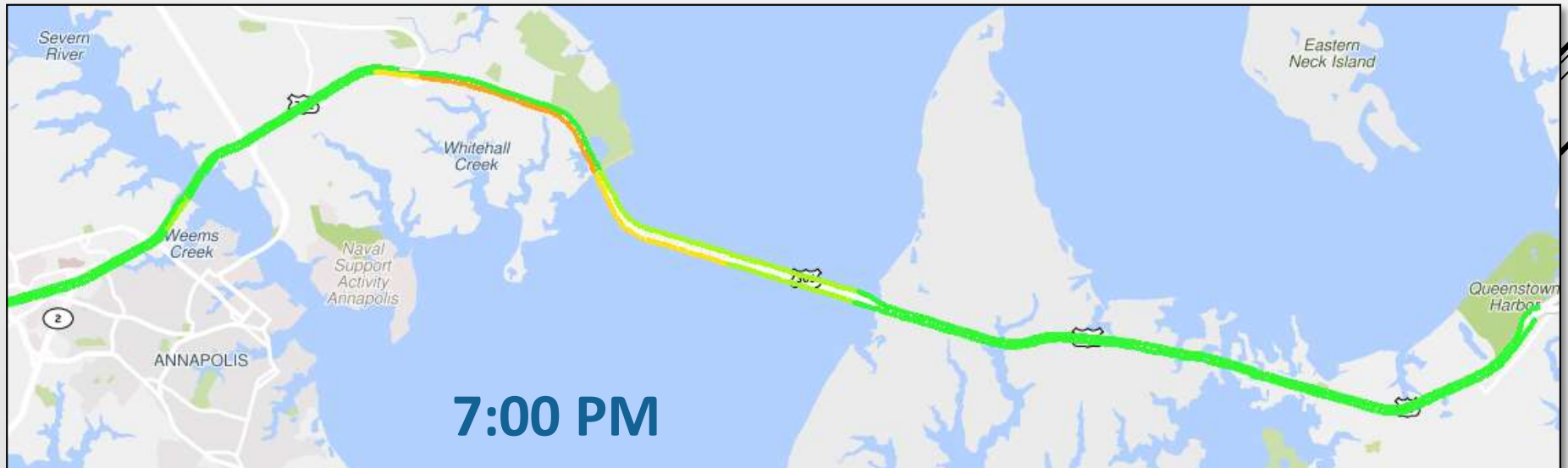


BAY BRIDGE CAPACITY: 2020 AVERAGE SUMMER FRIDAYS

**EB VOLUMES
EXCEED 3
LANE
CAPACITY —
EB AND WB
QUEUEING**

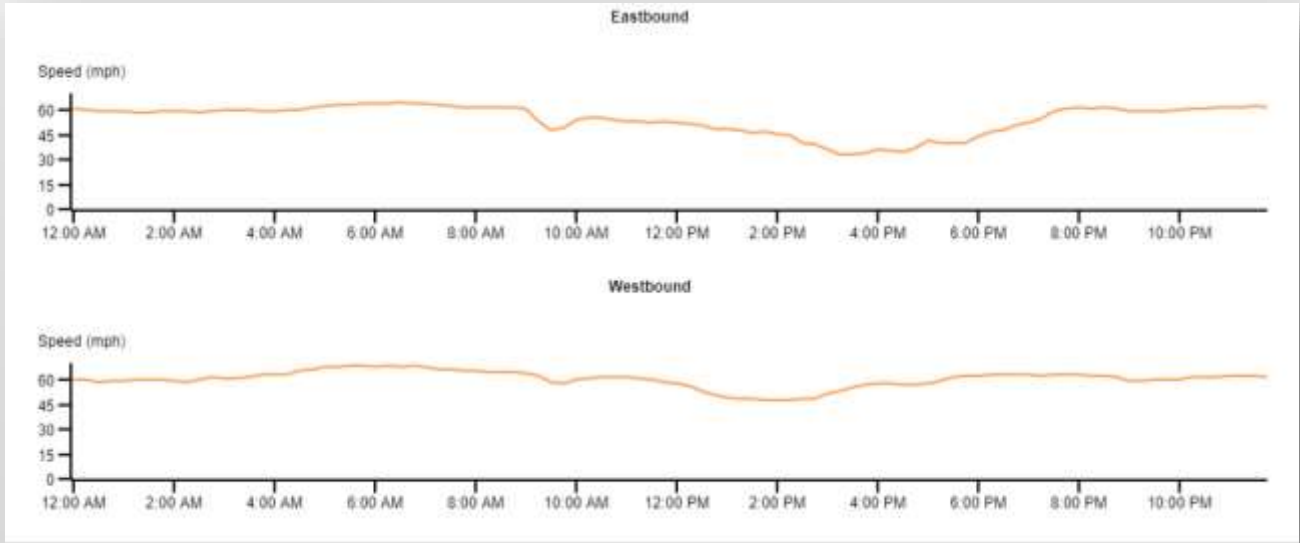
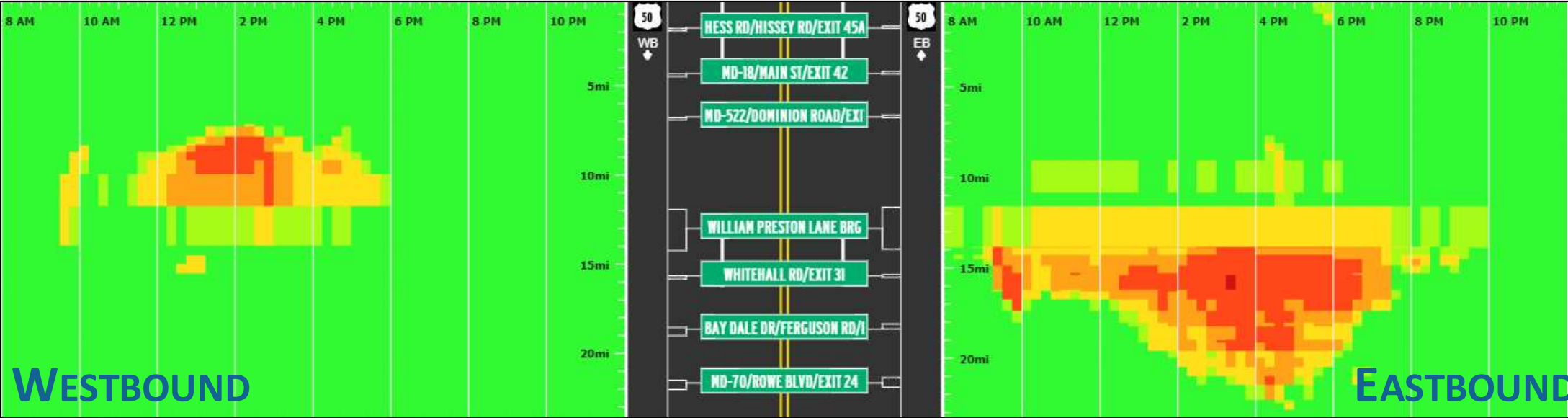


**EB VOLUMES
DECREASE —
CONTRAFLOW
SUSPENDED**

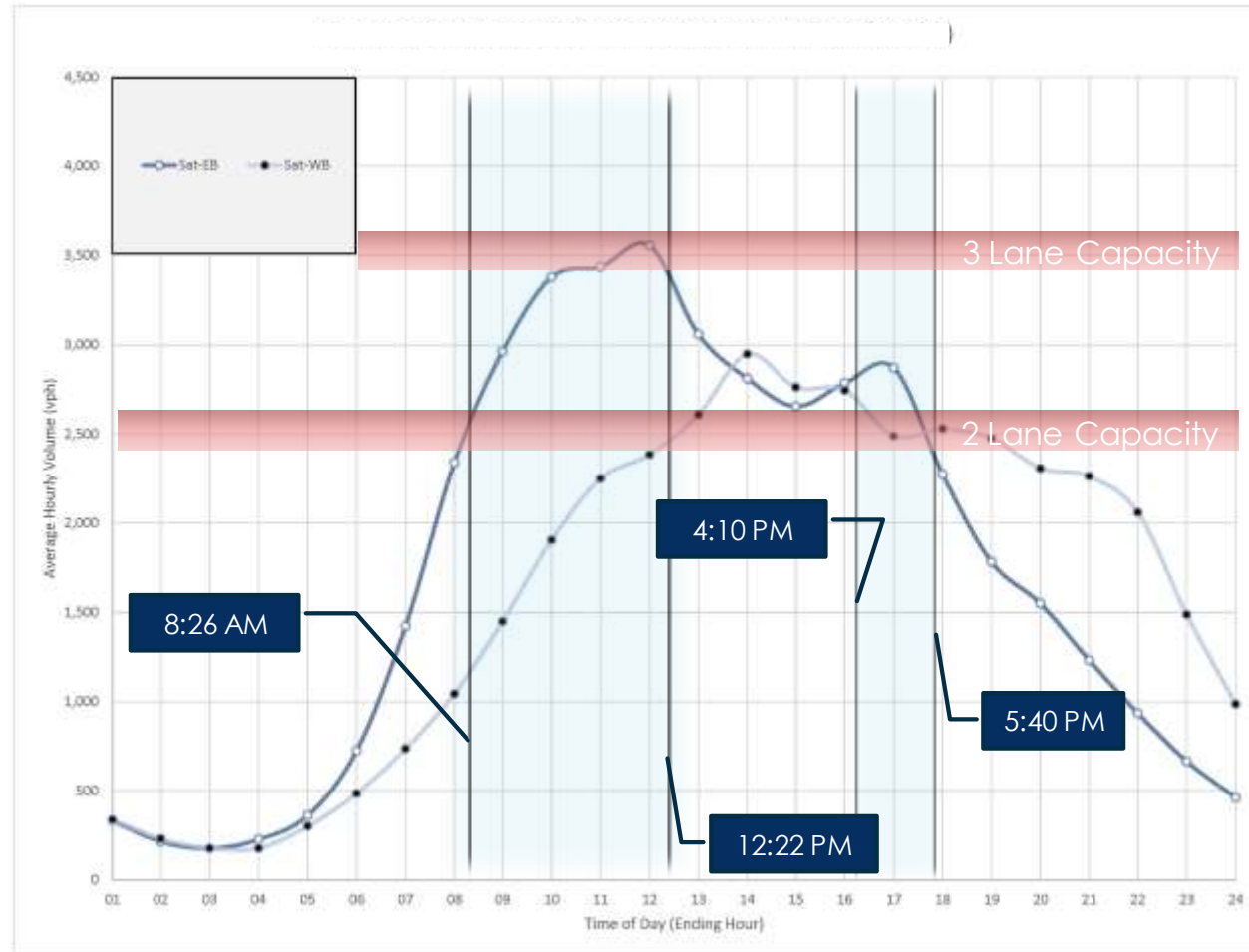


BAY BRIDGE SPEEDS AND TRAVEL TIME: 2020 AVERAGE SUMMER FRIDAYS

DISPLAYS SHOW SPEEDS ON BOTH SIDES OF THE BRIDGE. LONG PERIOD OF REDUCED SPEEDS FOR EASTBOUND



VOLUMES: 2020 AVERAGE SUMMER SATURDAYS



BAY BRIDGE CAPACITY: 2020 AVERAGE SUMMER SATURDAYS

EB volume peaks early but drops off throughout the day as less drivers are making their way to the Eastern Shore; however, there is typically a (relatively) small spike in the afternoon.

WB volume no longer exhibits an AM peak (as seen on weekdays), however, the volumes are higher throughout the day and sustained often late into the evening.

Contraflow operations are typically implemented early morning to relieve the AM EB traffic, then suspended to provide congestion relief for WB, and reimplemented for continued EB relief in the afternoon. **The Saturday afternoon operations are more variable than other weekend days.**

Average contraflow operations

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BAY BRIDGE CAPACITY: 2020 AVERAGE SUMMER SATURDAYS

**EB VOLUME
EXCEEDS 2
LANE
CAPACITY -
CONTRAFLOW
IMPLEMENTED**

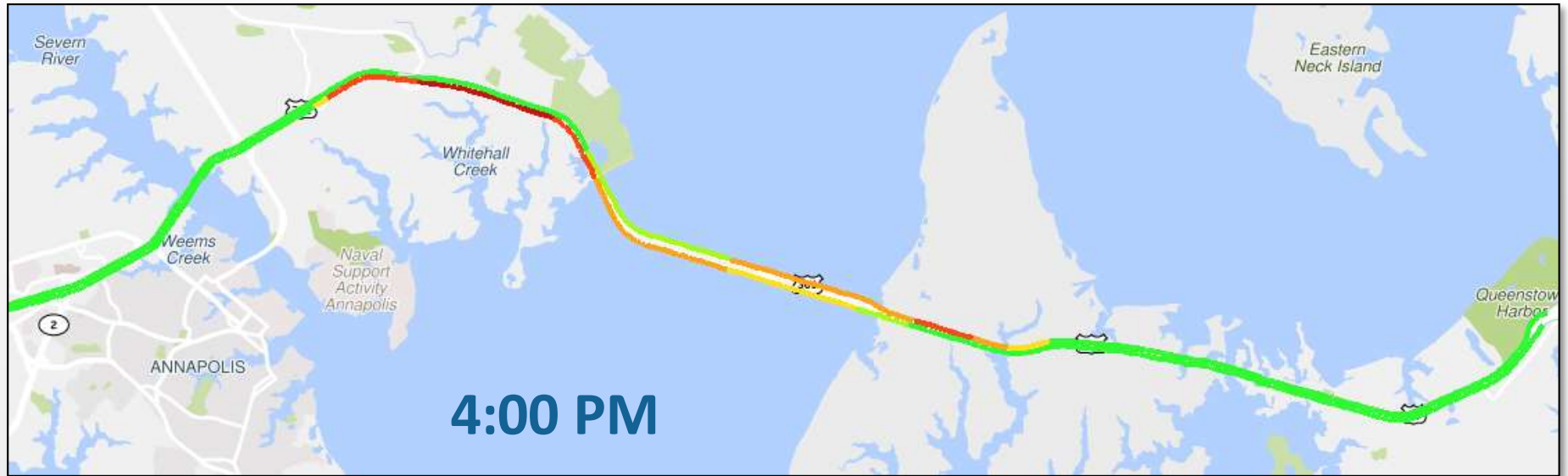


**WB VOLUME
EXCEEDS 2
LANE
CAPACITY -
CONTRAFLOW
SUSPENDED**

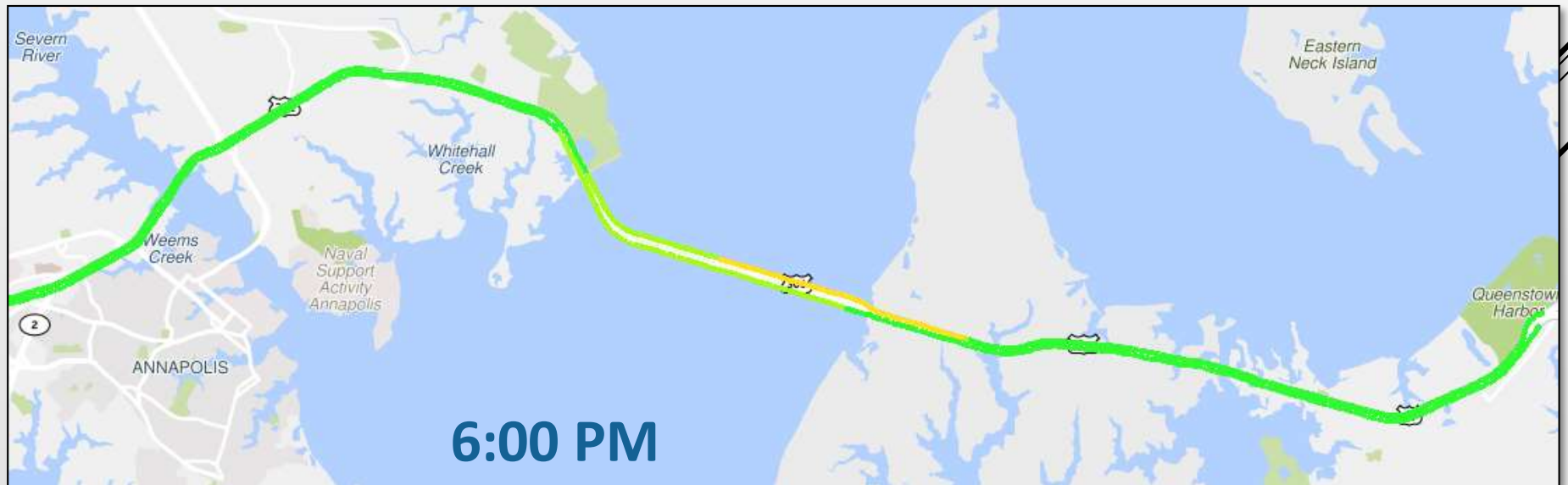


BAY BRIDGE CAPACITY: 2020 AVERAGE SUMMER SATURDAYS

**WB QUEUE
REDUCED -
CONTRAFLOW
RE-
IMPLEMENTED**



**EB QUEUE
DISSIPATES -
CONTRAFLOW
SUSPENDED**



BAY BRIDGE SPEEDS AND TRAVEL TIME: 2020 AVERAGE SUMMER SATURDAYS

DISPLAYS SHOW SPEEDS ON BOTH SIDES OF THE BRIDGE. SLOWING PRESENT ON BOTH SIDES OF THE BRIDGE

