

William Preston Lane Jr. Memorial (Bay) Bridge





Contraflow on WB Bridge - implement

Contraflow (2-way) is implemented on the Westbound Bridge when:

- Eastbound traffic volumes start to reach 2,800 VPH or eastbound delays start to approach Exit-31, Whitehall Road, 1.5 miles and Westbound Traffic conditions allow.
- Weather conditions permit
- Heavy traffic volumes
- Manage Queues
- Support lane closures (construction or maintenance)
- Crashes or disabled vehicles
- Emergencies
- Safety and security measures

* **NOTE:** The triggers are based on averages from field measured data, anomalies may occur due to other circumstances (weather, accidents, volumes, queues, etc.)



Contraflow on WB Bridge – discontinue

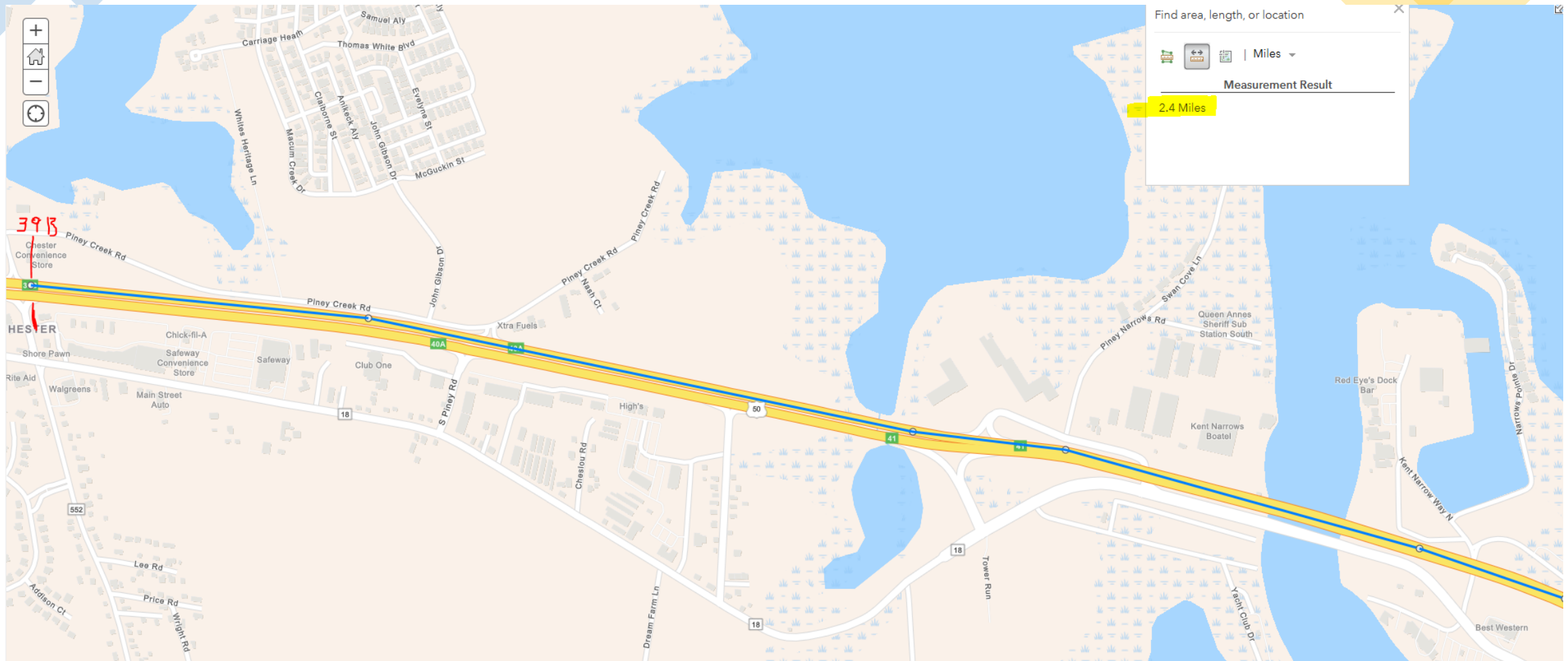
Traffic volumes are continuously monitored and contraflow may be discontinued if:

- Eastbound traffic volumes fall below 2,800 VPH
- Weather conditions become unfavorable
- Westbound traffic volumes start to reach 3,200 VPH or westbound delays start to approach Exit-39B Dominion RD 3.3 miles and MD Route 18 is congested back towards Exit-39A, Castle Marina Road.
- *When WB Ramp Closures are in effect the trigger is pushed to exit 42 for WB delays 6 miles. This is due to the mainline backing up further and much earlier when SHA Ramp closures are in effect approx. additional 2.4 miles.

Eastbound contraflow re-implemented when:

- Westbound traffic volumes are below 3,200VPH and westbound backups are clear.
- Eastbound conditions meet implementation triggers.

*** NOTE:** The triggers are based on averages from field measured data, anomalies may occur due to other circumstances (weather, accidents, volumes, queues, etc.)





Contraflow summary

1. Contraflow is based on traffic volumes, queues, accidents, disables, lane closures or emergency situations.
2. Contraflow is also weather dependent
3. Although Contraflow has typical ranges of times, it is based on actual traffic conditions with no scheduled hours. When roadways are at capacity operational flexibility is imperative to manage incidents, accidents, inclement weather, and heavy traffic volumes in real time.
4. Projected dominant flow patterns such as morning & afternoon rush periods, and weekend beach travel are considered prior to contraflow setup & implementation in order to help manage queue lengths.
5. Traffic Volumes & Queues along with Weather are continuously monitored.
6. If WB Queues are rising and projected to exceed 3200VPH within 1 hour, then contraflow implementation may be delayed until volumes are on a declining trend to avoid multiple setups/breakdowns and creating additional queues.

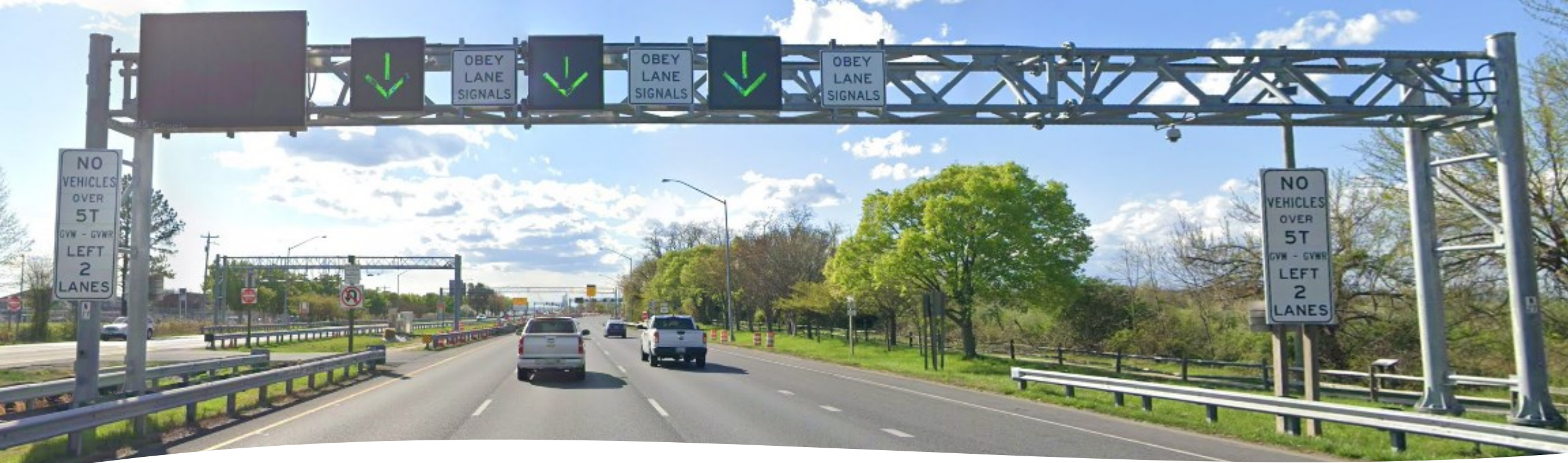


Overview

The core issue is traffic volumes exceeding lane capacity not contraflow timing or management.

**** This has been observed routinely for many years on Sundays where 3 lanes westbound are not constrained by contraflow**

Safety is always priority #1.



Truck Restriction Signs

- “No vehicles over 5 Ton Gross Vehicle weight Left Two Lanes”
- 12 total locations
- WB Locations – Gantry N30, N27, N25, N15, N7
- EB Locations – Gantry G6, G8, S1, S5, S8, S19, S23
- 21-309 (d) – Driver Failure to Obey Lane Designated Lane directions - \$90 Fine
- 21-404 (a)- Failure to Obey Lawful Sign at Authority Highway - \$70 fine
- Enforced during regular route patrol when observed, during targeted High Visibility & CVSU Enforcement Operations, as well as when reported by motorists or employees