

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
 - Trigger reduced from 3,200 VPH and/or Exit-29B, Cape St. Clair, 2.5 miles; based on trials to determine when lane gaps form
- Weather conditions permit
- Heavy traffic volumes
- 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
- Traffic volumes in contraflow lane drop below 900 VPH
- Weather conditions become unfavorable
- Westbound traffic volumes start to reach 3,200 VPH or westbound delays start to approach Exit-39A, Castle Marina Road, 2.5 miles and MD Route 18 is congested back towards Exit-39A, Castle Marina Road
 - It was 2,800 VPH and/or westbound delays start to approach Exit-38B, Shopping Center Road, 1.5 miles

Eastbound contraflow re-implemented when:

- Westbound traffic volumes are below 3,200 VPH 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 has typical ranges of times but is based on actual traffic conditions with no scheduled hours.
3. Contraflow is weather dependent.



Overview

The core issue is traffic volume 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.