# **Dynamic Lane Reversal**

To increase directional roadway capacity to accommodate changes in traffic demand.





## HOW WILL THIS HELP?

- Improves travel time reliability by reducing delay due to bottlenecks.
- Facilitate directional traffic flow for planned events and emergency evacuations.
- Effective in providing additional roadway capacity without roadway widening.

# **HOW DOES IT WORK?**

CONSIDERATIONS

- Typically deployed on bridges and highways to provide an extra lane, whether inbound or outbound, for peak period traffic.
- Transportation management personnel are needed to activate the dynamic lanes, and law enforcement officers are needed to ensure safe reversal and motorist compliance.
- Suggested tools for this strategy include dynamic message signs to communicate lane use to motorists, as well as CCTV and traffic sensors to monitor operations.
  - ✤ ENABLE EMERGENCY PERSONNEL TO RESPOND TO INCIDENTS ON A FACILITY WITH LIMITED ACCESS.
  - + ADDRESS THE NEED FOR MONITORING AND PROPER DEPLOYMENT/CLOSURES DURING DIRECTIONAL CHANGES.
  - + PROVIDE SIGNS AND MARKINGS TO INDICATE TRAFFIC DIRECTIONALITY.
  - + PROVIDE FOR ENFORCEMENT AND TOLLING (IF REQUIRED).
  - + ADDRESS THE NEED FOR SOFTWARE ENHANCEMENTS.

### TRANSPORTATION NEEDS ADDRESSED



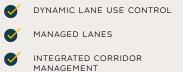


#### WHEN TO CONSIDER THIS STRATEGY



ROADWAYS WITH HIGH SEASONAL TRAFFIC DEMANDS, I.E. BEACH TRAFFIC

#### COMPLIMENTARY STRATEGIES



TRAFFIC SURVEILLANCE

HOMELAND SECURITY PREPAREDNESS

MARYLAND DEPARTMENT OF TRANSPORTATION