

# Channelization & Delineation

Use physical elements and visual indications to guide and enhance traffic flow.



## HOW WILL THIS HELP?

- ✓ Improves safety by discouraging undesirable movements.
- ✓ Increases mobility by reducing conflicts.

## HOW DOES IT WORK?

- ✓ Physical elements such as raised medians and barriers are used to separate parallel traffic movements.
- ✓ Visual indications such as pavement markings and symbols, raised pavement markers, vertical reflectors, and signs are used to regulate, warn, or guide roadway users.
- ✓ Typically applied to turn lanes at arterial intersections and for merge areas on freeways or expressways near interchanges.

## CONSIDERATIONS

- + IMPACT TO PEDESTRIANS AND BICYCLISTS
- + IMPACT TO EMERGENCY RESPONSE
- + IMPACT TO MAINTENANCE OPERATIONS



MARYLAND TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS

## TRANSPORTATION NEEDS ADDRESSED

-  Access
-  Multimodality
-  Reliability
-  Mobility
-  Safety

## COST MAGNITUDE

CAPITAL COST



OPERATION AND MAINTENANCE COST



## WHEN TO CONSIDER THIS STRATEGY

- ✓ FREEWAY OR EXPRESSWAY CORRIDORS WITH RECURRING CONGESTION
- ✓ CORRIDORS WITH HIGH TRANSIT USE
- ✓ BUS ROUTES WITH INSUFFICIENT TRAVEL TIMES OR RELIABILITY

## COMPLIMENTARY STRATEGIES

- ✓ ALTERNATIVE INTERSECTIONS
- ✓ ACCESS MANAGEMENT
- ✓ MINOR ROADWAY IMPROVEMENTS
- ✓ PAVEMENT MARKINGS
- ✓ PEDESTRIAN FACILITIES
- ✓ SAFETY COUNTERMEASURES
- ✓ SIGNING
- ✓ TRAFFIC CALMING
- ✓ BIKE FACILITIES
- ✓ MANAGED LANES