

# Assessment of Project Needs

Three types of traffic analyses were performed using the Maryland Statewide Travel Demand Model to determine how well each Corridor Alternative would meet the Project Needs at the existing Bay Bridge.

## Provide Adequate Capacity

- Developed traffic volume forecasts for 2040 for existing bridge and each corridor
- Compared 2040 volumes at the existing Bay Bridge (assuming a new crossing) with 2017 volumes at the Bay Bridge

For those corridors that resulted in some congestion relief at the existing Bay Bridge compared to 2017, two additional screening criteria were applied:

## Provide Dependable and Reliable Travel Times

- Travel times during congested conditions are highly variable
- Queue lengths and durations were used to assess travel times

## Provide Flexibility to Support Maintenance and Incident Management

- During maintenance or incidents on the existing bridge or approaches, drivers may want/need to divert to another crossing, if one is available
- Travel times on diversion routes to new crossing were evaluated

