



BAY BRIDGE EASTBOUND DECK REPLACEMENT PROJECT

Work will be done during off-peak & overnight hours.



CONSTRUCTION SEQUENCE 5: DECK REPLACEMENT

The Maryland Transportation Authority's (MDTA's) strategy for replacing the roadway deck included conducting work during the day with single lane closures during off-peak times, as well as full bridge closures at night. To maximize efficiency, activities were organized in 15-minute intervals, ensuring that all overnight tasks were finished within the designated 7-hour (minimum) closure period.

Daytime work activities included:

- laying out saw cut locations,
- preparing roadway framing for removal,
- installing new floorbeam bearings, and
- transporting the new precast deck panels from the casting yard in Curtis Bay to the bridge site.

Overnight full-bridge closure activities included:

- making saw cuts and rivet removals to free the 30' long, complete width deck sections from the supporting trusses,
- removing floorbeam, stringers, barriers and roadway deck with the water-based crane and placing onto a barge located adjacent to the bridge, and
- hoisting new precast deck panels from the barge by crane and setting atop the supporting deck trusses.

Replacement of all deck panels associated with this phase of work was completed in Summer 2025. However, overnight replacement of temporary concrete slabs at joint locations with permanent concrete link slabs is ongoing. This activity will complete the roadway deck panel replacement work.

Three cranes and multiple barges comprised the marine fleet for the major deck removal and replacement activities.

To sign up for public and mariner alerts, visit www.baybridge.com.

Driver's Note: Drivers will be able to see the cranes when crossing the bridge and **MUST** pay attention to the road ahead and obey overhead lane use signals at all times.

- **Keep your eyes on the road.**
- **Obey posted speed limits.**
- **Stay alert and adhere to overhead lane-use signals.**



The Maryland Transportation Authority (MDTA) is replacing the 40-year-old deck on the Eastbound William Preston Lane, Jr. Memorial Bridge (Bay Bridge). The majority of the work will take place during off-peak and overnight hours. The MDTA has designed the project to limit traffic impacts while maximizing safety for our contractors and customers.

This project will:

- extend the service life of the existing Eastbound Bay Bridge deck,
- improve the overall ride quality and safety of the Eastbound Bay Bridge, and
- minimize traffic impacts by replacing the deck in sections without the need for 24/7 closures.