

NICE/MIDDLETON BRIDGE PROJECT NEWBURG, MARYLAND



The Nice/Middleton Bridge Project will replace the existing bridge over the Potomac River as it widens into the Chesapeake Bay. The project is over 9,900 ft (3,018 m) long from abutment to abutment and will include roadway realignment and construction of approximately 0.5 miles (0.8 km) on either side of the bridge. The improved span will have four 12 ft (3.6 m) wide driving lanes and a navigation span of 350 ft (107 m) to accommodate tall vessels.

Being one of the state's largest transportation initiatives, the Nice/Middleton Bridge Project will improve and allow better traffic flow, mobility, and safety for southern Maryland and northeastern Virginia. An All-Electronic Tolling (AET) system will replace toll booths, eliminating lane-shifting safety issues. Once the new bridge and roadway construction is complete, the existing bridge will be demolished and used to create artificial reefs in the Chesapeake Bay watershed.

SYSTRA IBT's role is as Independent Design Quality Manager responsible for ensuring design compliance of the bridge structure. The role also includes independent design calculations of major structural elements, including the longer spans, tall piers, and deep foundations with piles driven up to 200 feet into the riverbed.



Rendering credit: Skanska-Corman-McLean/Maryland Transportation Authority

ESSENTIALS:

Client/Owner:
Maryland Transportation Authority

and McLean Contracting Company, Joint Venture

Design/Build Contractor:
Skanska, Corman Kokosing Construction Company

SYSTRA IBT's Role:
Independent Design Quality Manager and Check Engineer