

GOV. HARRY W. NICE/THOMAS “MAC” MIDDLETON BRIDGE REPLACEMENT PROJECT

NEWBURG, MD TO DAHLGREN, VA

Project Briefing TPB Meeting

June 19, 2019

Item 3

MDOT: Multi-modal Transportation Agency

MDOT-Wide Complete Streets Policy – Update In Progress

- MDOT SHA adopted their Complete Streets Policy 2011:
 - "Enhance the quality of life for Maryland's citizens by providing a balanced and sustainable multi-modal transportation system for safe, efficient passenger and freight movement."
 - MDOT promotes a comprehensive multi-modal network by ensuring connectivity for vehicles, bicycling, walking, transit, and freight trips throughout Maryland.
 - MDOT supports TPB's Complete Street Policy guidance

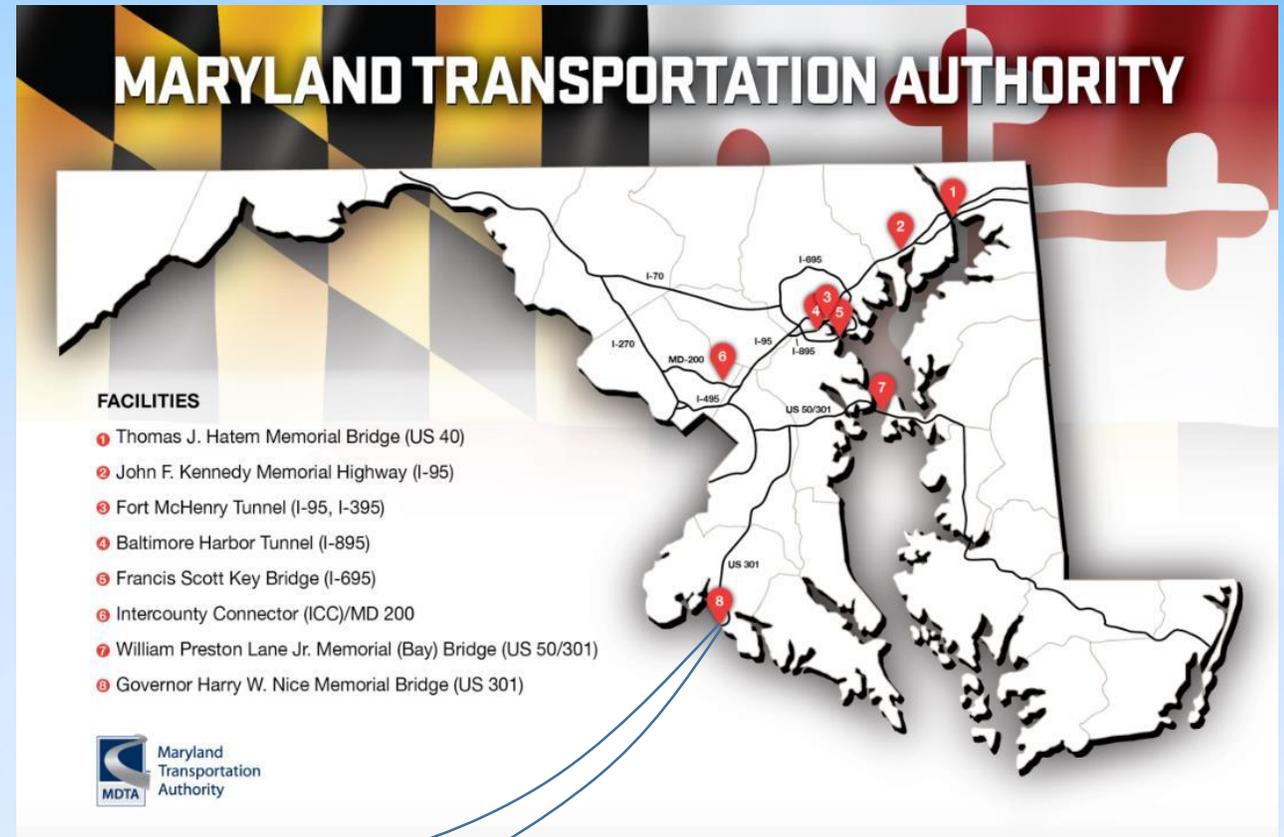
One of our seven Maryland Transportation Plan (MTP) Goals

- “Provide Better Transportation Choices and Connections”
- Long-term goals that guide transportation decisions and investments

Project Overview

Project Location

- Charles Co., MD & King George Co., VA
- Newburg, MD To Dahlgren, VA



Project Overview

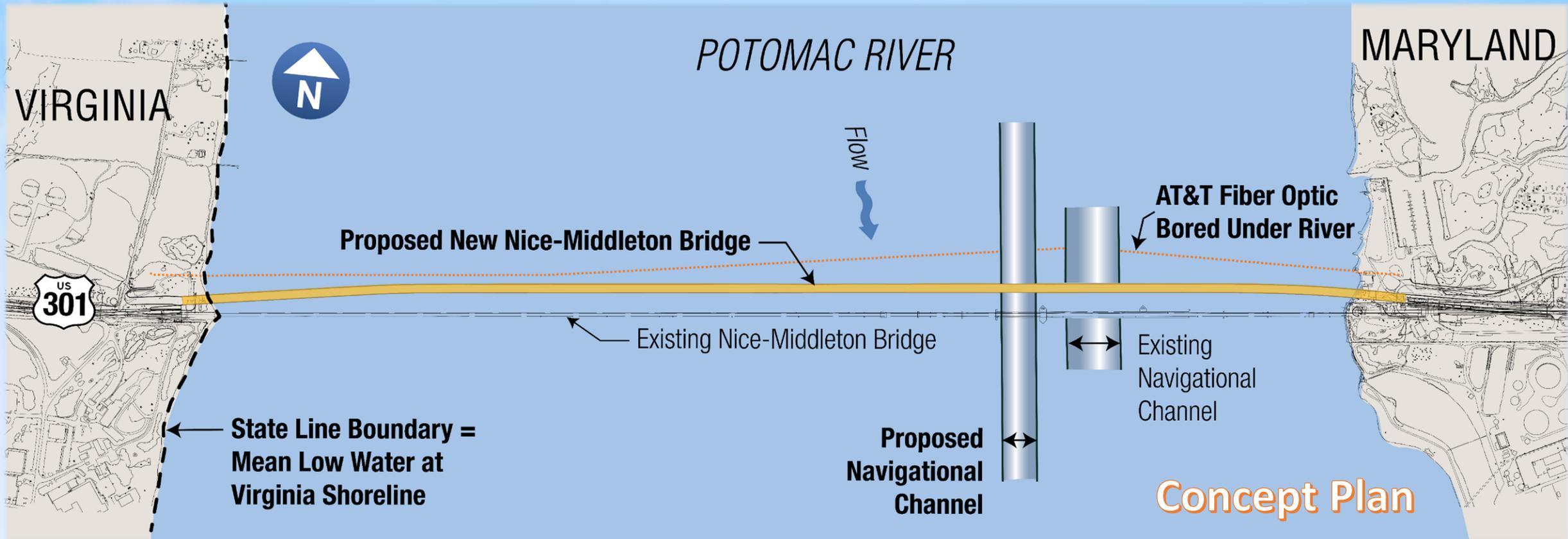


Project Overview

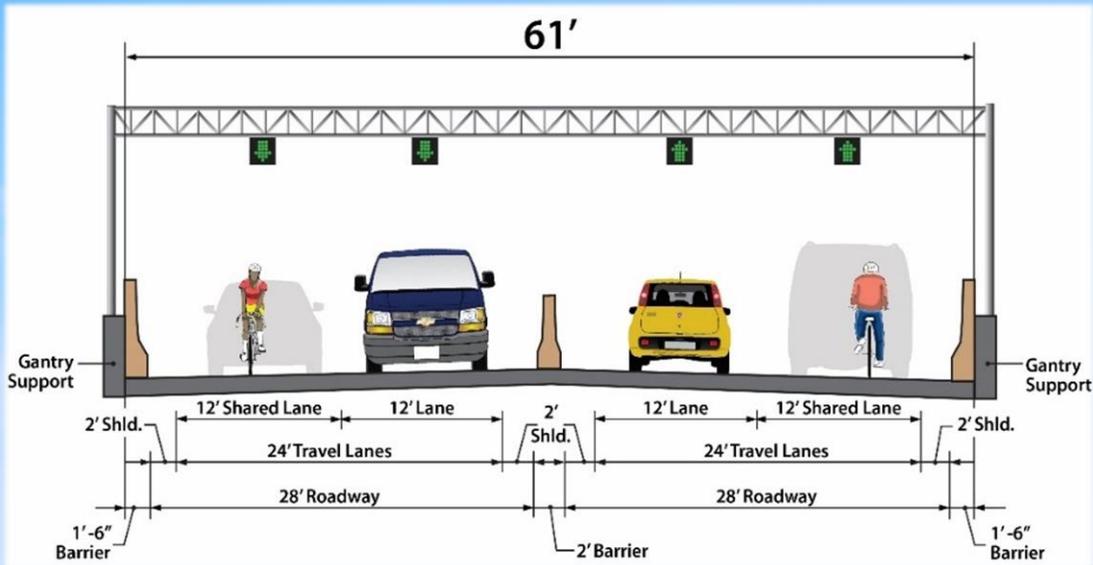


Project Overview

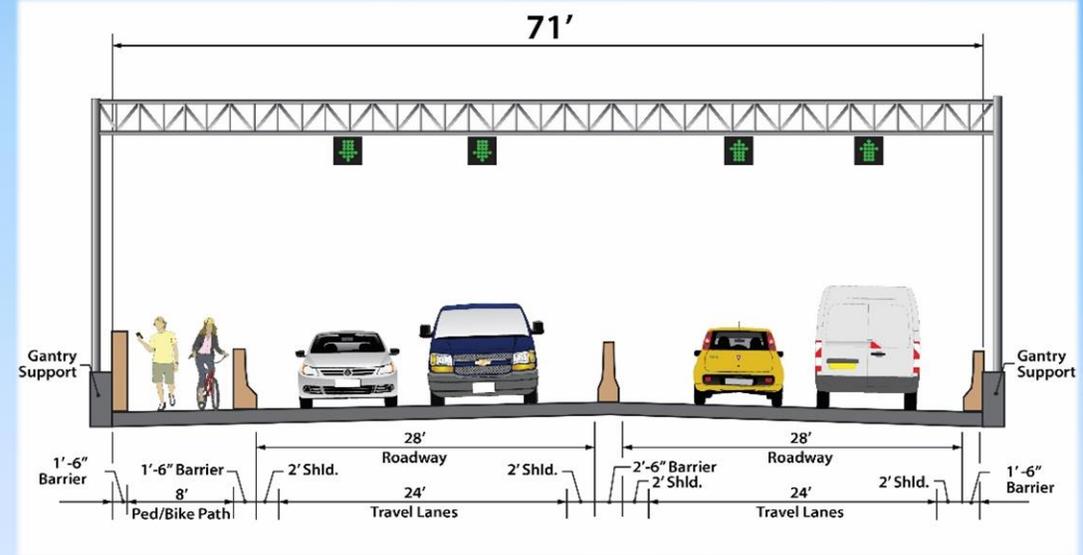
Project Description – Basic Project Configuration



Project Overview – Bid-Alternate Approach



OPTION – LANE SHARING



OPTION – SHARED USE PATH

- Based on the input from the Transportation Planning Board (TPB) and thousands of other comments, both options are included in the Request for Proposals.
- The bid-alternate approach will encourage and allow for competitive and innovative designs of the new bridge.

Thomas J. Hatem Bridge – South of I-95 at Cecil & Harford Counties

Existing Lane Sharing Option

- Includes Safety Enhancements for bikes:
 - Bicycle-compatible bridge joints,
 - Signing,
 - Intelligent Transportation Systems (ITS), like bicycle warning beacons.



Bicyclists on the Hatem Bridge – Photo courtesy of the Baltimore Sun



US 1 Bridge over Conowingo Dam – North of I-95 at Cecil & Harford Co.

Existing Lane Sharing Option

- Lane sharing option is legal and not uncommon throughout Maryland
- US 1 Bridge has an 8% grade at bridge end with bicyclists that ride with the traffic
- 40 MPH on the bridge

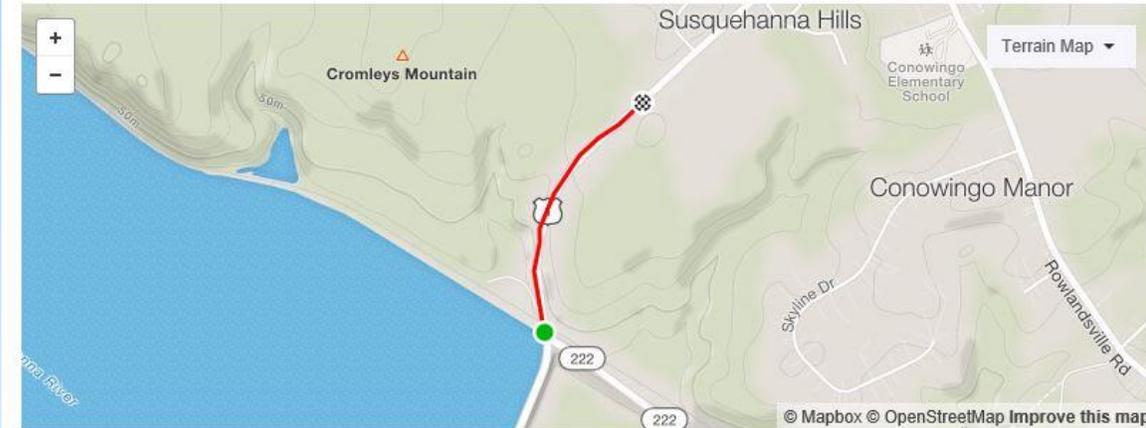


☆ Rt. 222 climb from dam

Ride Segment 8, Oakwood, MD

Distance Avg Grade Lowest Elev Highest Elev Elev Difference 392 Attempts By 184 People

0.43mi 8% 112ft 288ft 176ft



Project Overview

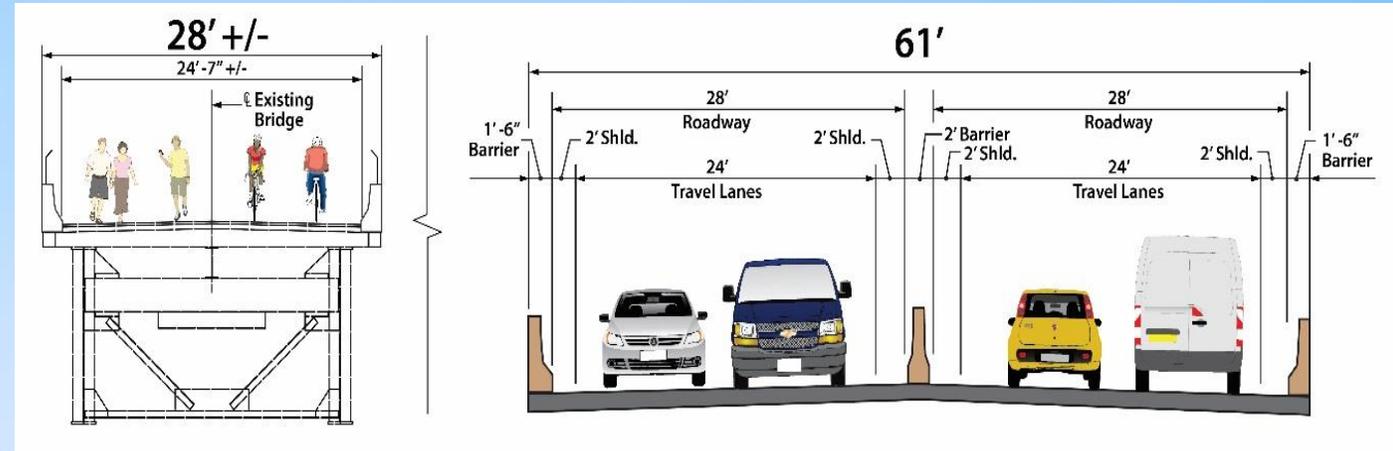


US 301 Northbound Virginia approach

Other Potential Bicycle Accommodations

Convert Existing Bridge to Bicycle/ Pedestrian Facility

- Demolition costs transferred to rehabilitation costs
- Concerns with ownership and maintenance responsibility



Provide Bicycle Taxi Service

- Free service to bicycle bridge crossings

Special Event Police Escorts

- MDOT MDTA currently accommodate for special event crossings on multiple Maryland bridge facilities for 10K runs, Special Olympics events, and many others.
- Recreational Bicycle Events are accommodated on multiple Maryland facilities, and the Nice-Middleton Bridge would be as well.



Project Overview – Proposed TIP Amendment

Amending the funding programmed in the TPB's FY 2019-2024 TIP to reflect the legislatively approved FY 2019-2024 Capital Improvement Program (CTP)

- Now includes fiscal years 23 and 24 (not included in the FY 17-22 TIP)
- Adding \$186,118,000 in construction funds
- Time-sensitive amendment
 - Up to 30% of this project can be financed with a TIFIA loan
 - Securing a federal loan guarantee/lower interest rate as early as possible will help keep the total bridge cost down

Project Overview – Proposed TIP Amendment

Amending the official name of the bridge to reflect legislative action

- General Assembly renamed the bridge: “Governor Harry W. Nice/Senator Thomas "Mac" Middleton Bridge Replacement Project”

Amending the project description to reflect bid-alternate approach

- **“Description:** Construct a new four-lane bridge north of the existing bridge, with accommodations for bicycles. Included in the project is preventative maintenance of the existing bridge until the construction phase is programmed.”

Project Schedule

Design Build Procurement Schedule	
Activity	Date
Advertise Request for Qualifications (RFQ)	October 20, 2018
SOQ Due Date	December 7, 2018
Reduced Candidate List (RCL) Notified	February, 2019
Issue Request for Proposals (RFP) to RCL	March, 2019
One-on-One Confidential Meetings with RCL	March – May, 2019
Technical Proposal Due Date	July, 2019
Price Proposal Due Date	August, 2019
Best Value Selection	Fall, 2019
Award (Anticipated)	December, 2019



Final Takeaways

MDOT and MDTA are not ruling out a barrier separated shared use path

- A barrier separated facility cannot be guaranteed during the closed procurement process without seeing what the innovative design proposals are and exploring other workable alternatives

MDOT and MDTA will come back to brief the TPB on the final design of the new bridge