



2024-2027 TIP Amendment: Governor Bridge Road over Little Patuxent River

September 19, 2023



Background



- Single lane, single span shared structure between Prince George's County and Anne Arundel County.
- Built circa 1910
- Designated historic structure



Project Location



Existing Conditions



- Prone to frequent flooding on Prince George's County approach
- River known to overtop bridge deck
- Maximum weight posted 2009 – 4 tons
- Determined structurally deficient May 2013
- Repairs made in 2014
- Closed to traffic in 2015
- Alternative Analysis Report completed in 2018

Existing Conditions



Bottom Chord at West Abutment



Corrosion and Section Loss – Stringers

Alternatives



The alternatives reviewed included the following:

- **Alternative 1** – No-Action alternative.
- **Alternative 2** – Rehabilitation of the existing structure to again accommodate vehicular traffic (Minimization Alternative).
- **Alternative 3** – Construction of a new single lane structure on location, with retained elements of the original structure.
- **Alternative 4** – Construction of a new dual lane structure on location, with some retained elements of the original structure.
- **Alternative 5** – Construction of a new single lane structure at a different location without affecting the historic integrity of the existing bridge (Avoidance Alternative).
- **Alternative 6** – Construction of a new dual lane structure at a different location without affecting the historic integrity of the existing bridge (Avoidance Alternative).

Recommendation



Following a lengthy period of public meetings and input, then discussions between both Counties, an agreement was reached to move forward with

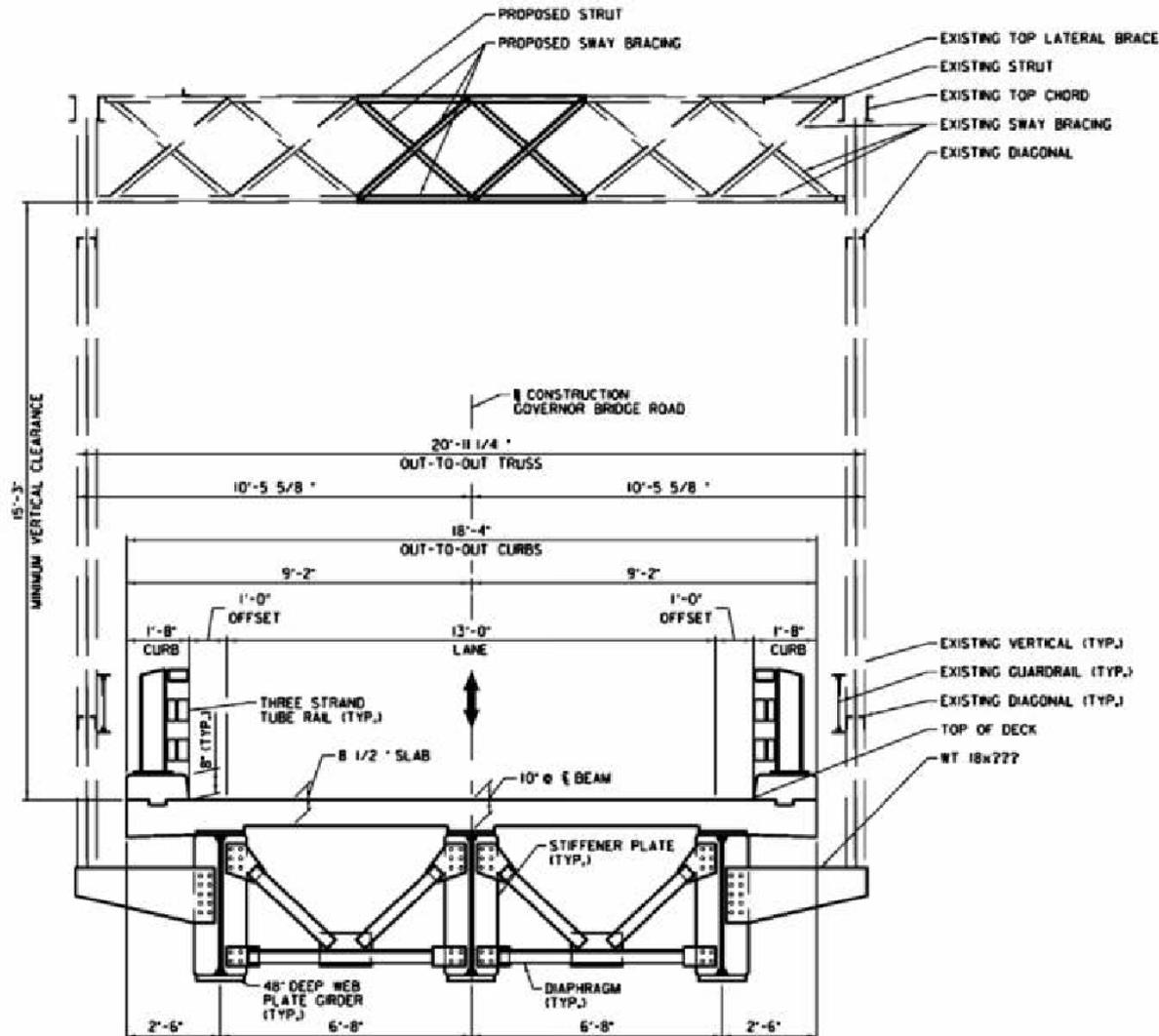
Alternative 3 - Construction of a new single lane structure on location, with retained elements of the original structure.

Alternative 3



- Least comprehensive design, providing a 15' clear roadway, one lane bridge on the existing bridge location with retained elements of the original structure.
- Proposed roadway improvements along Governor Bridge Road would include reconstruction, widening and resurfacing.
- For the Prince George's County west approach, the horizontal and vertical geometry have been improved to meet the curve minimum of 300', which will result in full depth construction and widening.
- The existing right-of-way varies from 60' to 180' and no properties are expected to be impacted.
- Additional approach roadway work will be done on the eastbound approach raising the roadway to clear a 2-year storm elevation and install cross pipes under the roadway to improve flooding issues.
- Alternative 3 would require a design exception for Anne Arundel County bridge approach as the 300' horizontal curve minimum is not met.
- This alternative is estimated to impact 11 utility poles, some of which may be avoided in final design. Additional utility relocations may be required due to stormwater management.

Alternative 3 – Typical Section



Alternative 3



REHABILITATION OF GOVERNOR BRIDGE ROAD BRIDGE (P-0599) ON GOVERNORS BRIDGE ROAD OVER PATUXENT RIVER

ALTERNATE 3 - EXISTING ALIGNMENT - 1 LANE BRIDGE OPTION

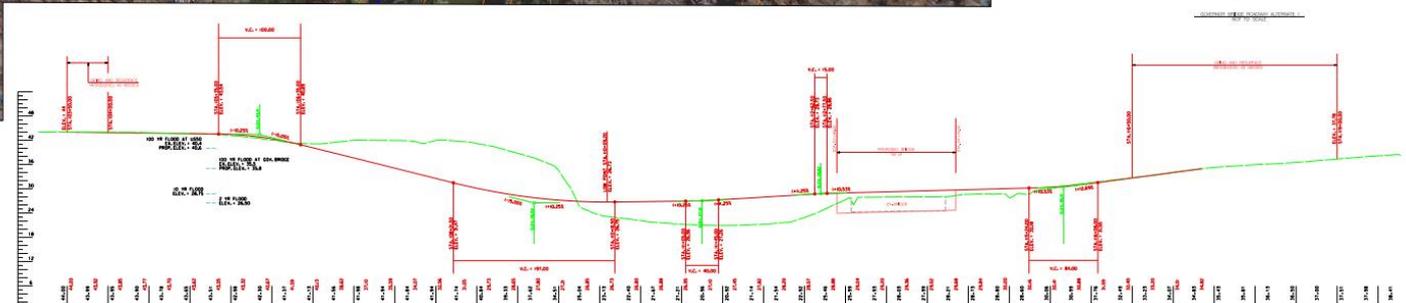
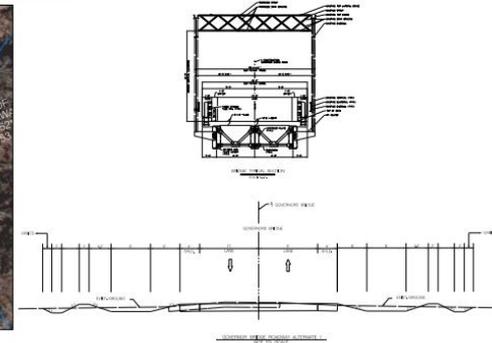
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION



Prince Georges
County
MARYLAND



Director Darrell B. Mobley



Projected Project Costs

Total Cost	
Engineering	\$500,000 (FY 2024 – 2025)
Right-of-Way	\$0
Construction	\$4,500,000 (FY 2026 – 2027)
Prior Funds	\$768,000
Total	\$5,768,000

Fund Source: Highway Bridge Rehabilitation and Reconstruction Program

For More Information

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