

ST. ANDREW STREET BRIDGE REPLACEMENT



City of Petersburg, VA

May 7, 2019

WWW.TIMMONS.COM



Project Area



Project Area



Project Background

- Existing Bridge is Structurally Deficient
 - Closed to Traffic in 2007
- Project Scope – Full Bridge Replacement
 - Structural Design
 - Geotechnical Design
 - Hydraulic Analysis
 - Environmental Permitting
 - Drainage Design
- VDOT Funding for Design and Construction



Existing Bridge

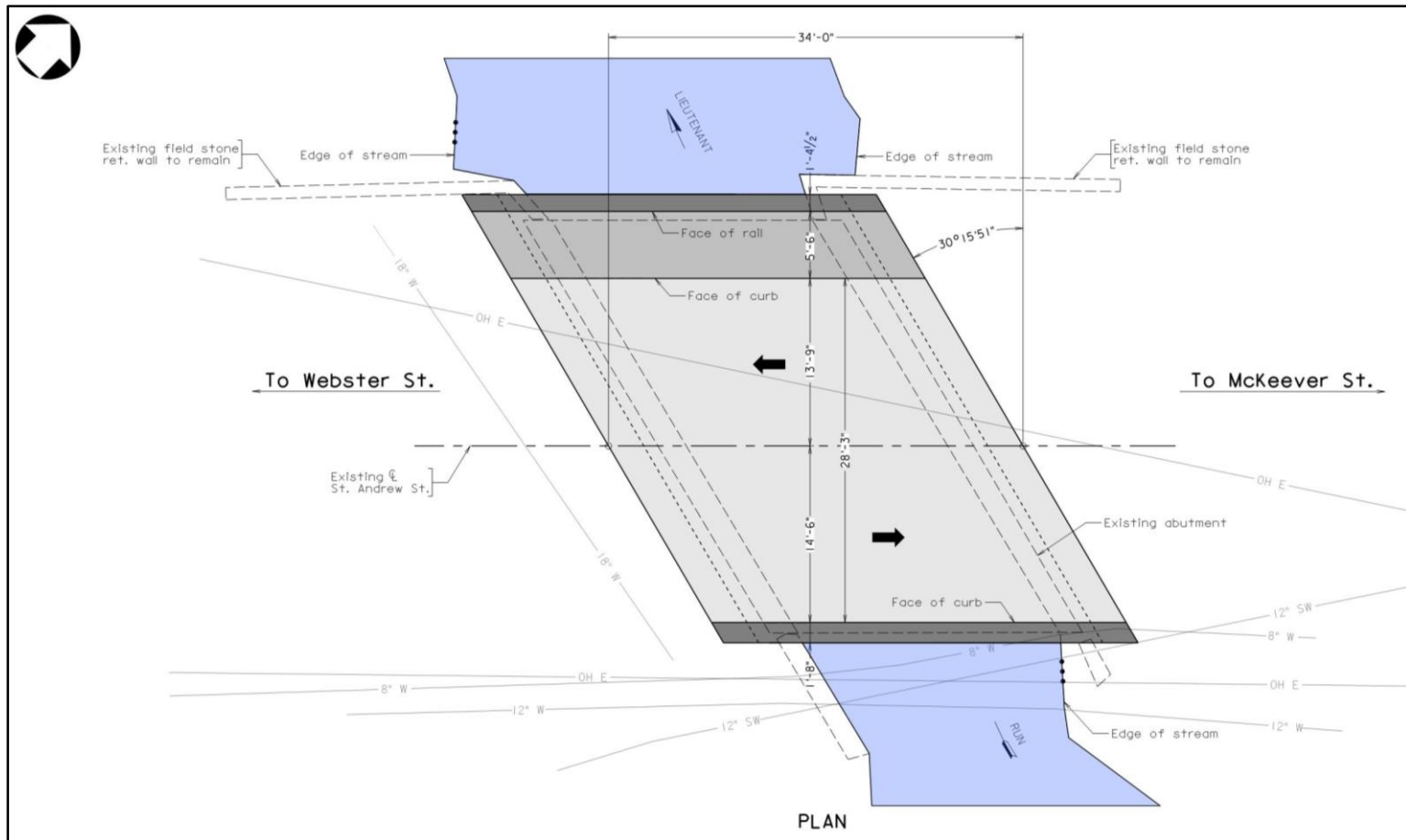


Proposed Bridge Design

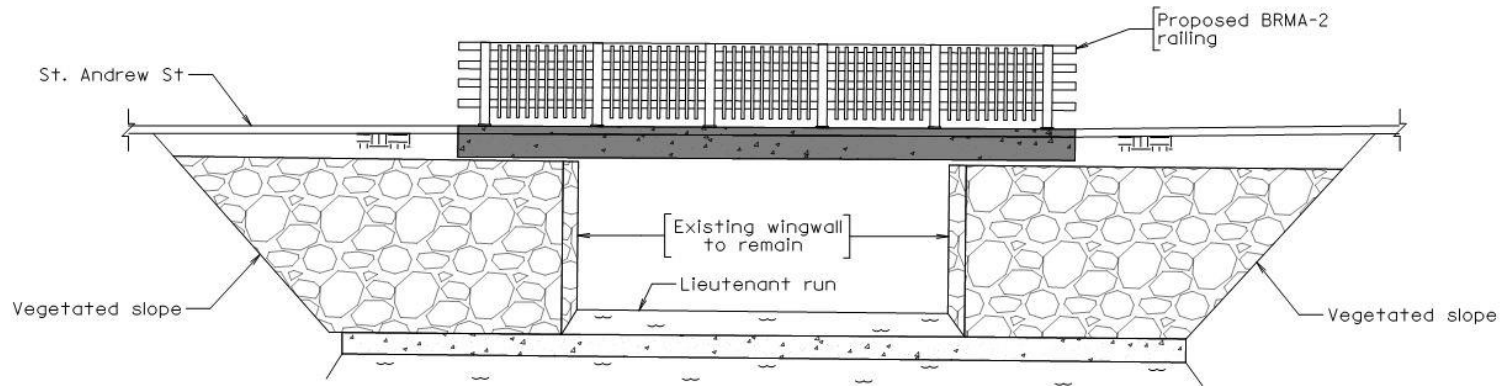
- 34' Long Single Span x 37' Wide
 - Span over existing abutments
- Maintain Current Lane Widths and Sidewalk
- Maintain Existing Roadway Profile



Proposed Bridge Design



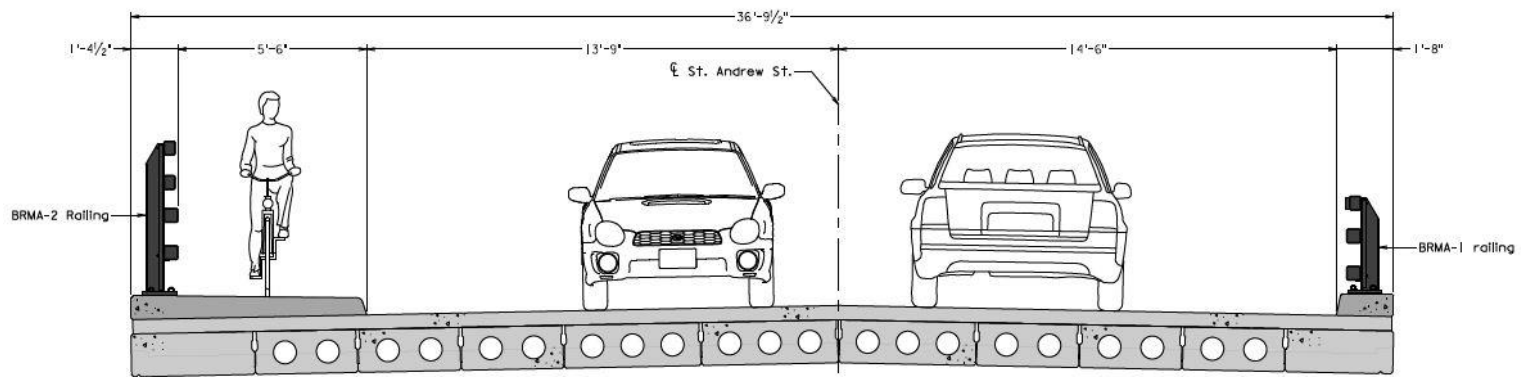
Proposed Bridge Design



BRIDGE ELEVATION



Proposed Bridge Design



TRANSVERSE SECTION



Proposed Bridge Design

- Utilize Existing Fieldstone Walls

- Scour protection
- Utility impacts

- Utility Relocations

- 18" transite waterline
- 8" sewer line



Proposed Bridge Design

- Concrete Construction
 - Durable
 - Reduced maintenance costs
 - Reduced inspection costs
- Metal Railing
 - Aesthetically pleasing
 - Pedestrian and bicycle protection



Project Schedule

- Design & Permitting Complete
 - Summer 2019
- Project Advertisement / Procurement
 - Summer / Fall 2019
- Begin Construction
 - Fall 2019
- Construction Complete
 - Spring / Summer 2020



Questions?

