

Section 9: PREFERRED CORRIDOR CONCEPTUAL DESIGN

Following the identification of the preferred corridor for the ATP Trail Study and incorporating the additional suggested modifications based on input provided during the September and October public comment period, VDOT developed conceptual design concepts, associated cost estimates, and recommended implementation schedules. The conceptual design sketches, typical sections, associated preliminary engineering cost estimates and schedules were developed as a VDOT scenario for planning purposes, however, the future alignment and conceptual design could change as determined by funding applicants, application timelines, additional coordination and final design. The conceptual design sketches for the preferred corridor's typical sections, associated preliminary engineering cost estimates and schedules are included in **Appendix C: Preferred Corridor Conceptual Design**. This information has been developed to provide pertinent supporting documentation that is intended to inform potential applications for future funding requests. A general listing of the items included in **Appendix C: Preferred Corridor Conceptual Design** are summarized as follows:

Appendix C-1: SEGMENT DESIGN SKETCH

- Preferred corridor conceptual design sketch utilizing GIS data and including:
 - Aerial base mapping
 - Shared use path concept layout corresponding to typical sections
 - Property and right of way lines
 - Approximate construction limits
 - Temporary / permanent easements
 - Utility easements
 - Major structure locations
 - Existing infrastructure challenges
 - Design assumptions
 - Environmental resources (wetlands and streams)

Appendix C-2: SEGMENT TYPICAL SECTIONS

- General typical sections corresponding to the various shared use path scenarios and conceptual segment sketches.

Appendix C-3: SEGMENT COST ESTIMATE

- Conceptual cost estimate including itemized cost quantities based on preliminary engineering assumptions. Some cost items utilize recommended percentages of construction cost, resulting in an overall construction cost total.
- Cost estimates are provided in FY2020 dollars.

Appendix C-4: SEGMENT PROJECT SCHEDULE

- Preliminary implementation schedule template for reference in the development of a schedule for project segments, including baseline durations for Preliminary Engineering, Right of Way (if necessary), and Construction, based on an assumed funding year.