<table>
<thead>
<tr>
<th>Criterion</th>
<th>Alternative 1</th>
<th>Alternative 2</th>
<th>Alternative 3</th>
<th>Finding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Alignment Length</td>
<td>6,500 feet</td>
<td>6,500 feet</td>
<td>6,500 feet</td>
<td>Alternative 2 has less alignment length.</td>
</tr>
<tr>
<td>Total Parcels Intersected</td>
<td>18</td>
<td>18</td>
<td>20</td>
<td>Alternative 2 has less parcels impacted.</td>
</tr>
<tr>
<td>Relocations (Total Acquisitions)</td>
<td>2-3</td>
<td>2-3</td>
<td>2-3</td>
<td>Comparable impacts.</td>
</tr>
<tr>
<td>Partial Acquisitions</td>
<td>29</td>
<td>16</td>
<td>18</td>
<td>Alternative 2 has the fewest partial acquisitions.</td>
</tr>
</tbody>
</table>

Access Management and Signal Spacing
- The roundabout at existing Bailey Bridge Road and Holly View Parkway creates access management spacing concerns with the existing Holly View Place/Holly View Court. A median should be considered to restrict access in and out of Holly View Place and Holly View Court.
- None
- None
- Alternative 2 and 3 are less restrictive.

Hydrologic Unit Code (HUC)
- The entire project area is within one HUC12 of the Appomattox watershed: 020802070902 - Swift Creek - Third Branch.
- No unique impacts.

Phosphorus Removal Required (lb)
- 16 lb/yr
- 15 lb/yr
- 15 lb/yr
- Alternative 2 and 3 have less phosphorus removal required.

Number of SWM Facilities Required
- 6
- 5
- 5
- Alternative 2 and 3 have less basins required.

Environmental Justice
- No minority or low-income populations.
- No impacts.

Sensitive Noise Receptor Estimate
- 262
- 226
- 226
- Comparable number of potential noise sensitive receptors.

Public Parks and Recreation Areas
- No public parks or recreation areas are located within the project area.
- No impacts.

Historic Resources
- No direct impacts to known historic resources.
- No direct impacts.

Public Waterfowl/Wildlife Refuges
- No public waterfowl or wildlife refuges are located within the project area.
- No impacts.

Threatened & Endangered Species
- Database searches revealed the potential presence of the following protected species: Atlantic Sturgeon (FE, SE), Northern Long-Eared Bat (FT, ST), Yellow Lizard (FT), Little Brown Bat (SE), Tri-Colorated Bat (SE), Barking Frog (ST), Green Frog (ST), Sensitive Joint-Vetch (ST), Pigeon Rock Falcon (ST), Loggerhead Shrike (ST), Migrant Loggerhead Shrike (ST), and Spotted Turtle (CC).
- There are no documented Northern Long-Eared Bat roosts or hibernacula within the project area. The closest Bald Eagle nest is located approximately two miles from the project area. No known trout, anadromous fish, or shellfish groups are located within the project area.
- Comparable impacts.

Tree Clearing (nearest hundredth of an acre)
- Alternative 1 requires the fewest acres of tree clearing.

Prime Farmland Farmland of Statewide Importance (nearest acre)
- The project area is a census designated urbanized area.
- No impacts.

Floodplains (nearest tenth of an acre) 1
- Floodway - 0.6
- 100-year - 0.6
- 500-year - 0.2
- Total - 1.4
- Comparable impacts.

National Wetland Inventory Wetlands (nearest hundredth of an acre) 3
- Mitigation Requirements
  - 0.03 PFO
  - 0.14 Credits
  - $7,000
  - Mitigation Cost
  - $7,000
- Comparable impacts.

Wild and Scenic Rivers
- No wild and scenic rivers are located within the project area.
- No impacts.

Sole Source Aquifers
- The project is not located within a sole source aquifer.
- No impacts.

Coastal Zone Management
- Area is in a coastal zone. Any Build Alternative would need to undergo Coastal Zone Management Act consistency review by the Virginia Department of Environmental Quality during project permitting.
- Comparable impacts.

Coastal Barrier Resources
- None in project area
- No impacts.

Contamination and Toxics
- Database searches do not show any areas of concern along the corridor
- If impacts are anticipated to the Lynwood Lewis property, it may require further investigations.
- No impacts.

Air Quality
- The entire project area is in attainment for ozone, particulate matter, sulfur dioxide, lead, carbon monoxide, and nitrogen dioxide.
- No impacts.

Construction Roadway Costs ($ Millions)
- 89,710,000
- 89,865,000
- 89,815,000
- Alternative 2 has less roadway costs.

Construction Bridge Costs ($ Millions)
- 6,000,000
- 6,000,000
- 6,000,000
- Comparable costs.

Construction Roadway + Bridge Costs ($ Millions) 7
- 95,710,000
- 95,865,000
- 95,815,000
- Alternative 2 has less construction costs.

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1 This number does not include the planned subdivisions. In order to be considered, the property must have an approved and active building permit.
2 The floodplain impacts assumes we are impacting Swift Creek within the roadway right of way. A bridge will be designed to mitigate the impacts during the detailed design phase.
3 Mitigation requirements for wetlands are as follow: 1:1 PON/PEM; 1.5:1 PSL; 2:1 PFO
4 Based on approximate value of $100,000 / credit
5 Mitigation requirements for streams are assumed to be 1:1. Impacts are assumed for Swift Creek which can be mitigated during detailed design with a bridge.
6 Based on approximate value of $450 / linear foot of stream
7 Construction cost listed does not account for all project costs (i.e. PE Phase, RW Phase, CEI costs, etc.)