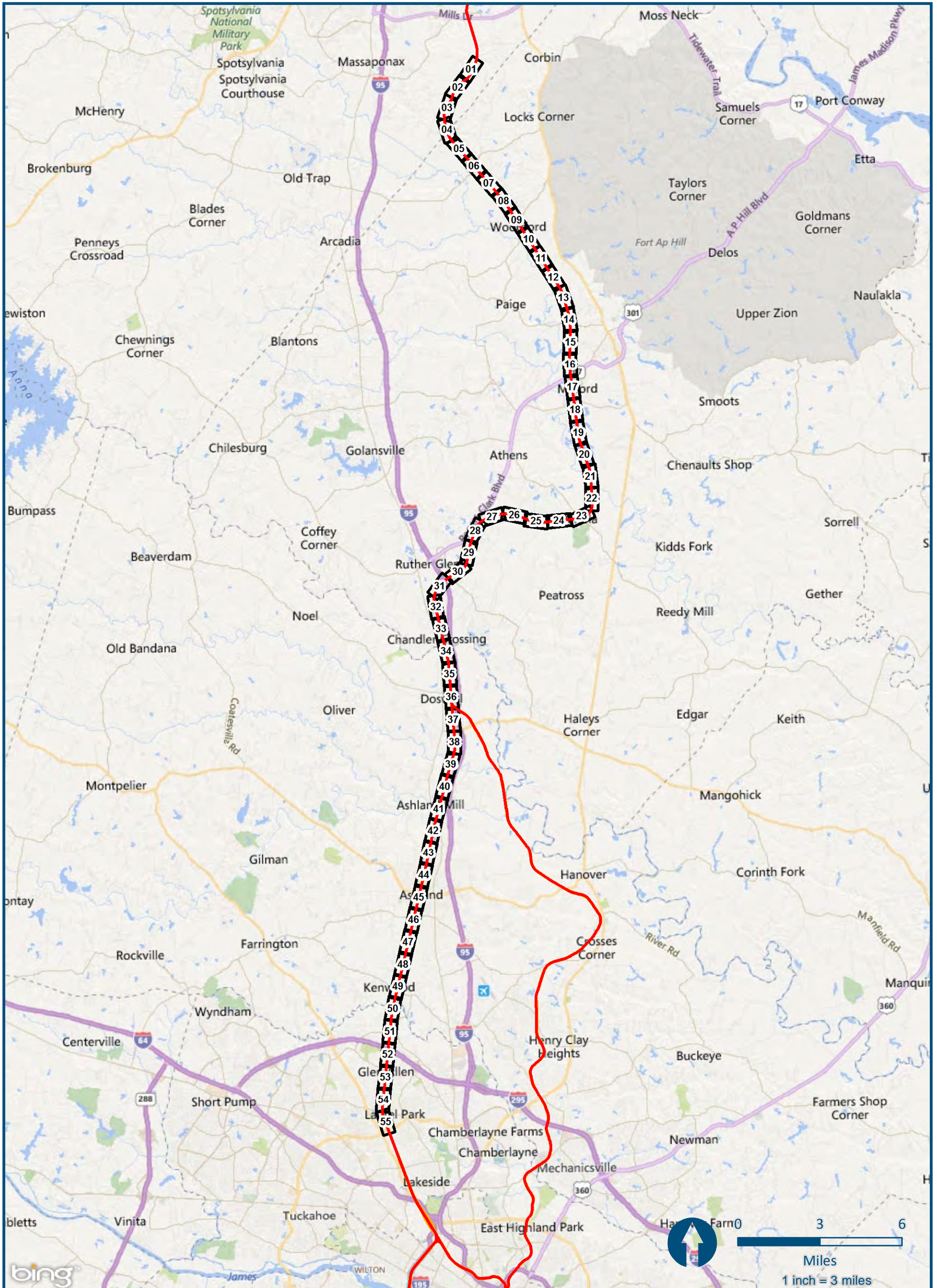
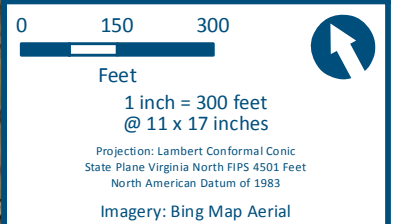
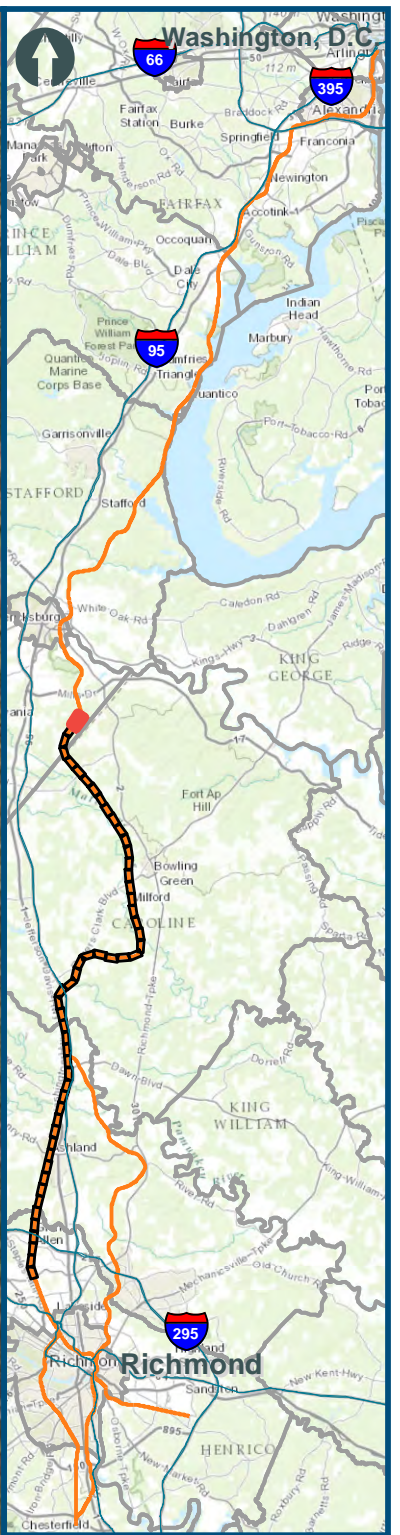
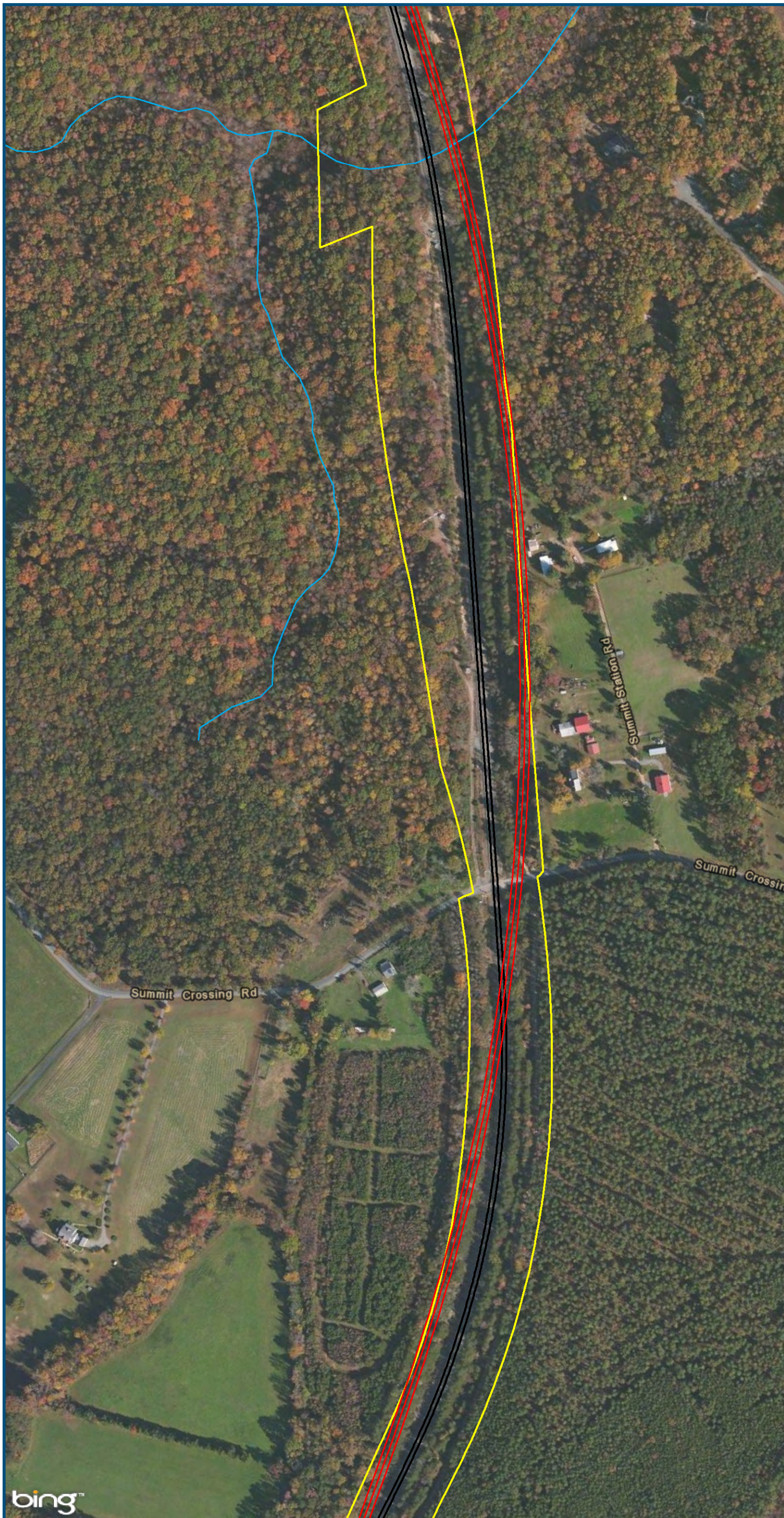


Central Virginia (CEN) Project Section Unconstrained Alternative 4 Alignment Option Index Map



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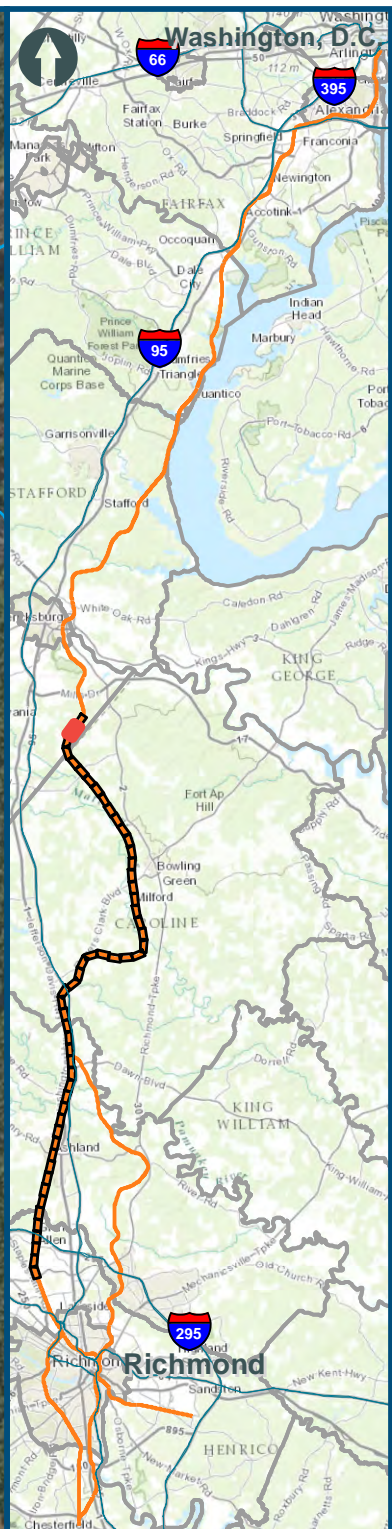
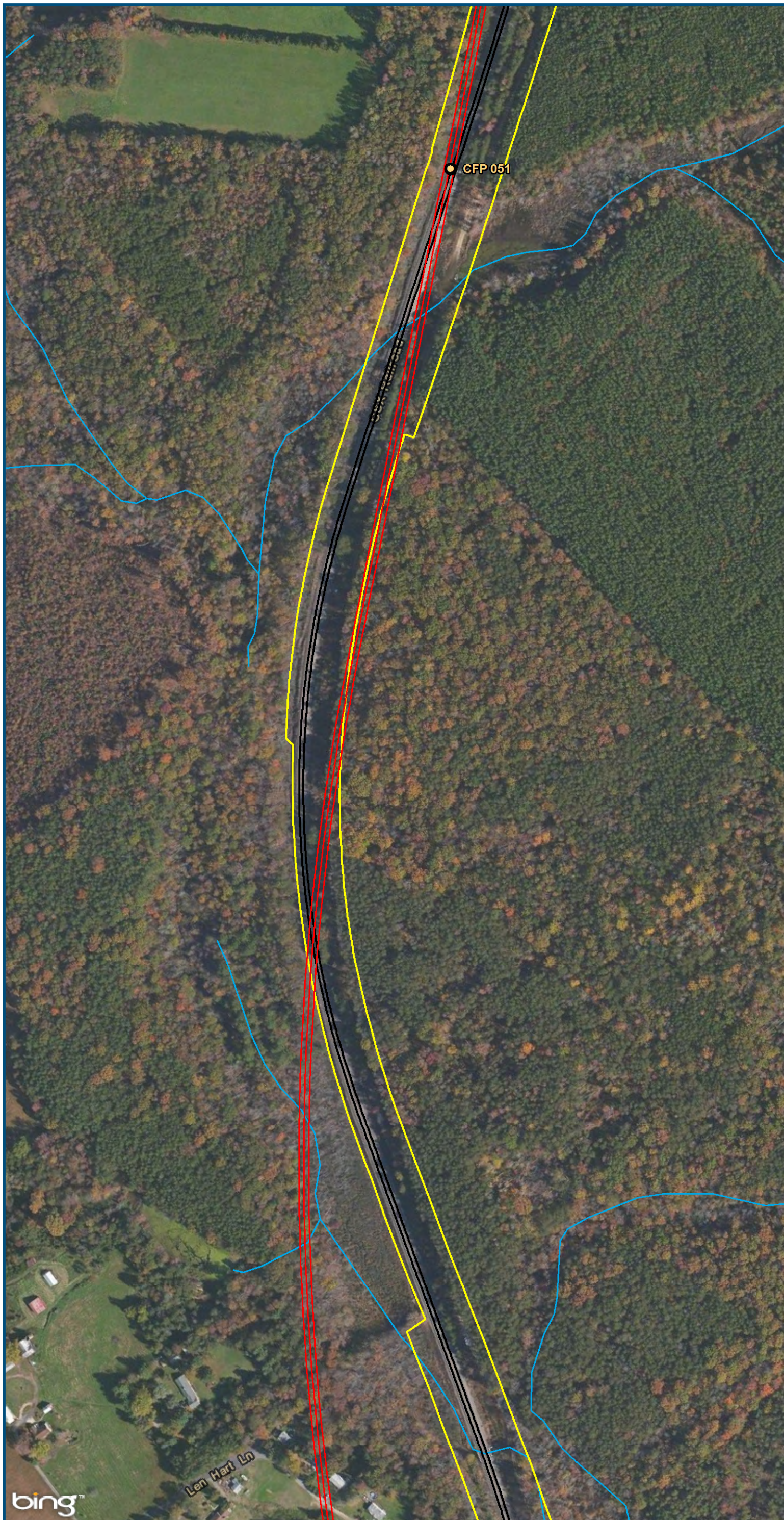
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-1
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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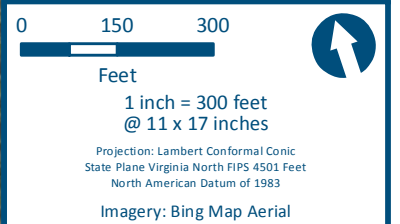
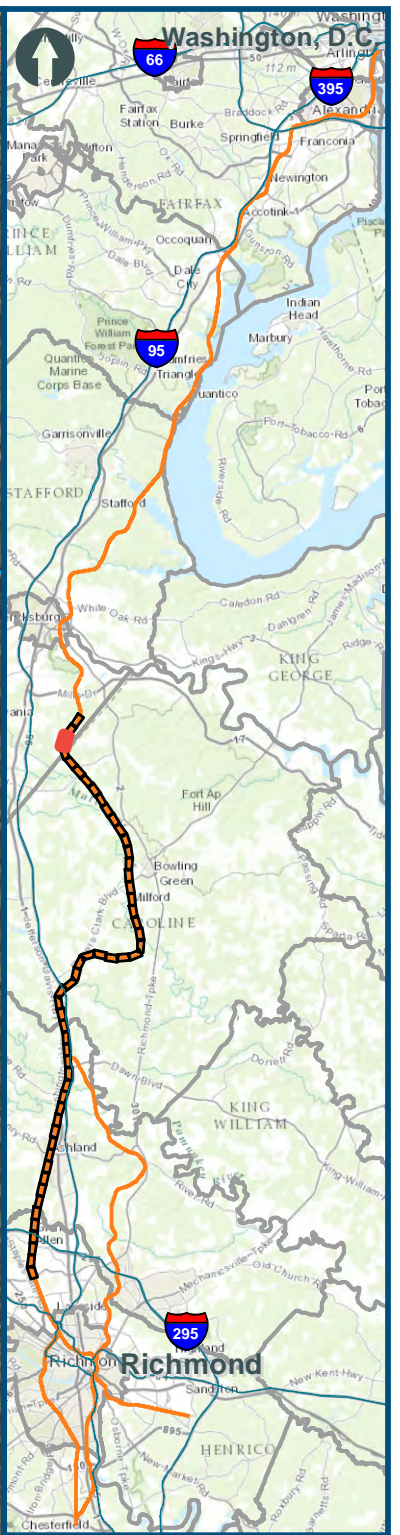
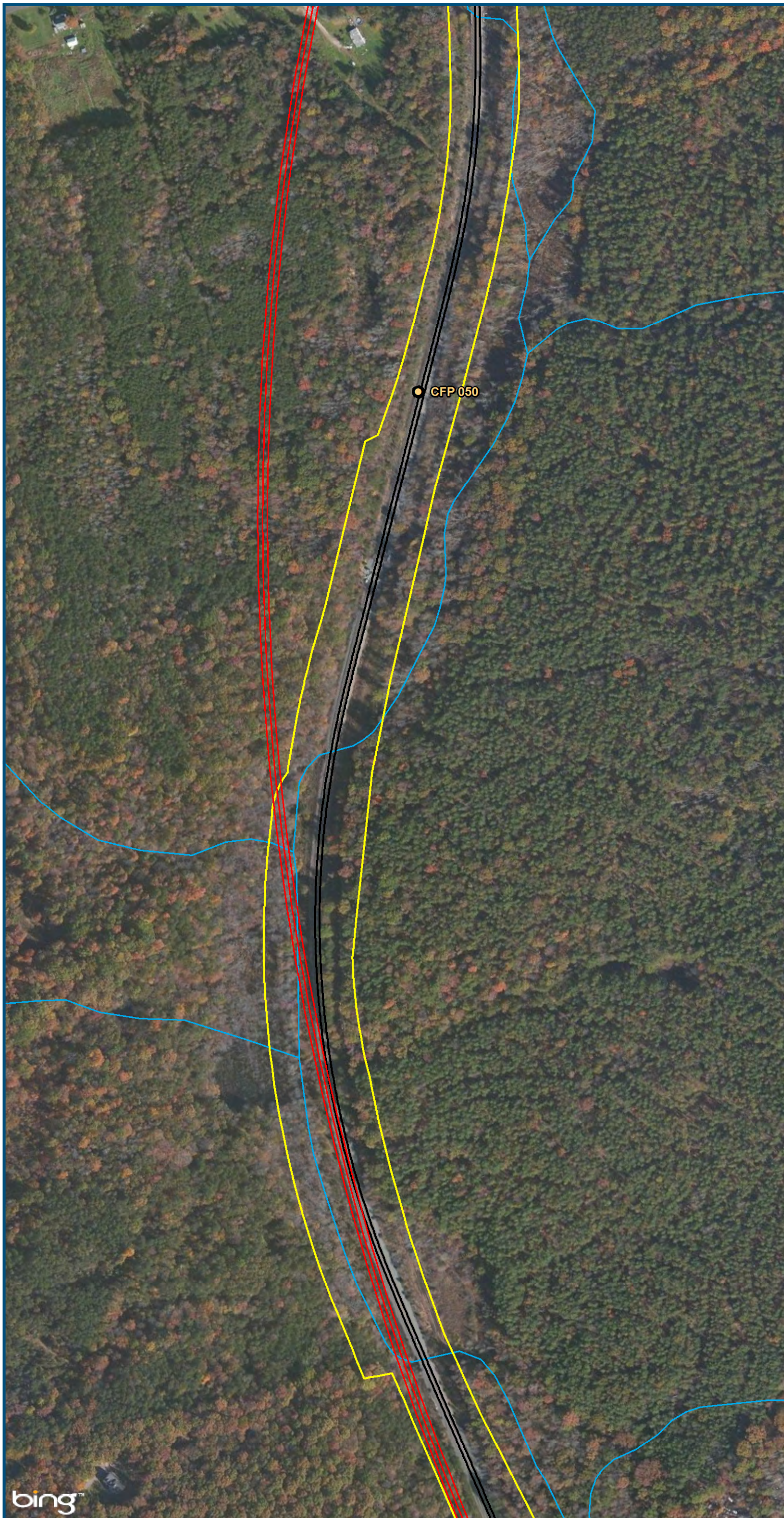







0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-2
Central Virginia
Unconstrained
Alternative 4
Alignment Option

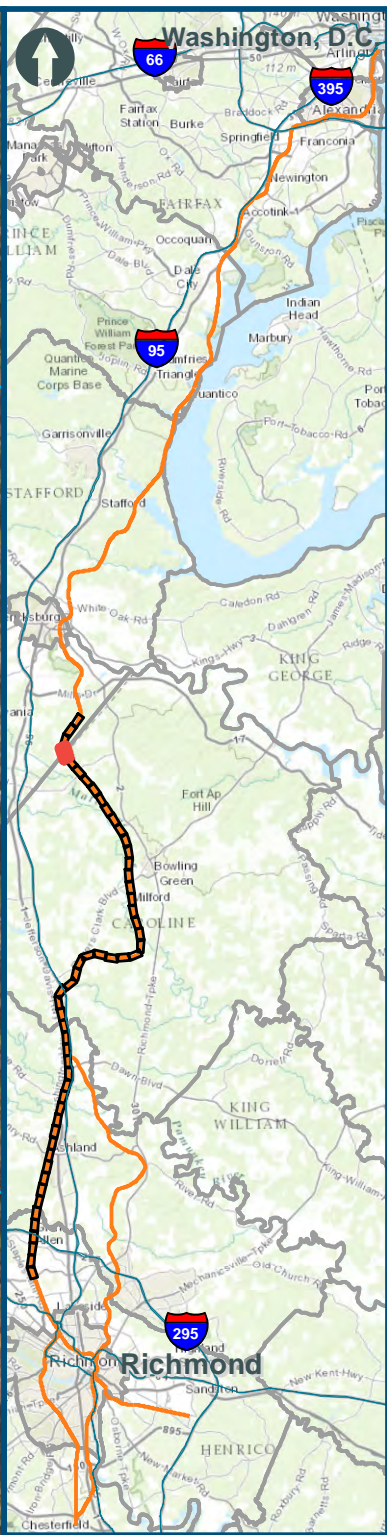
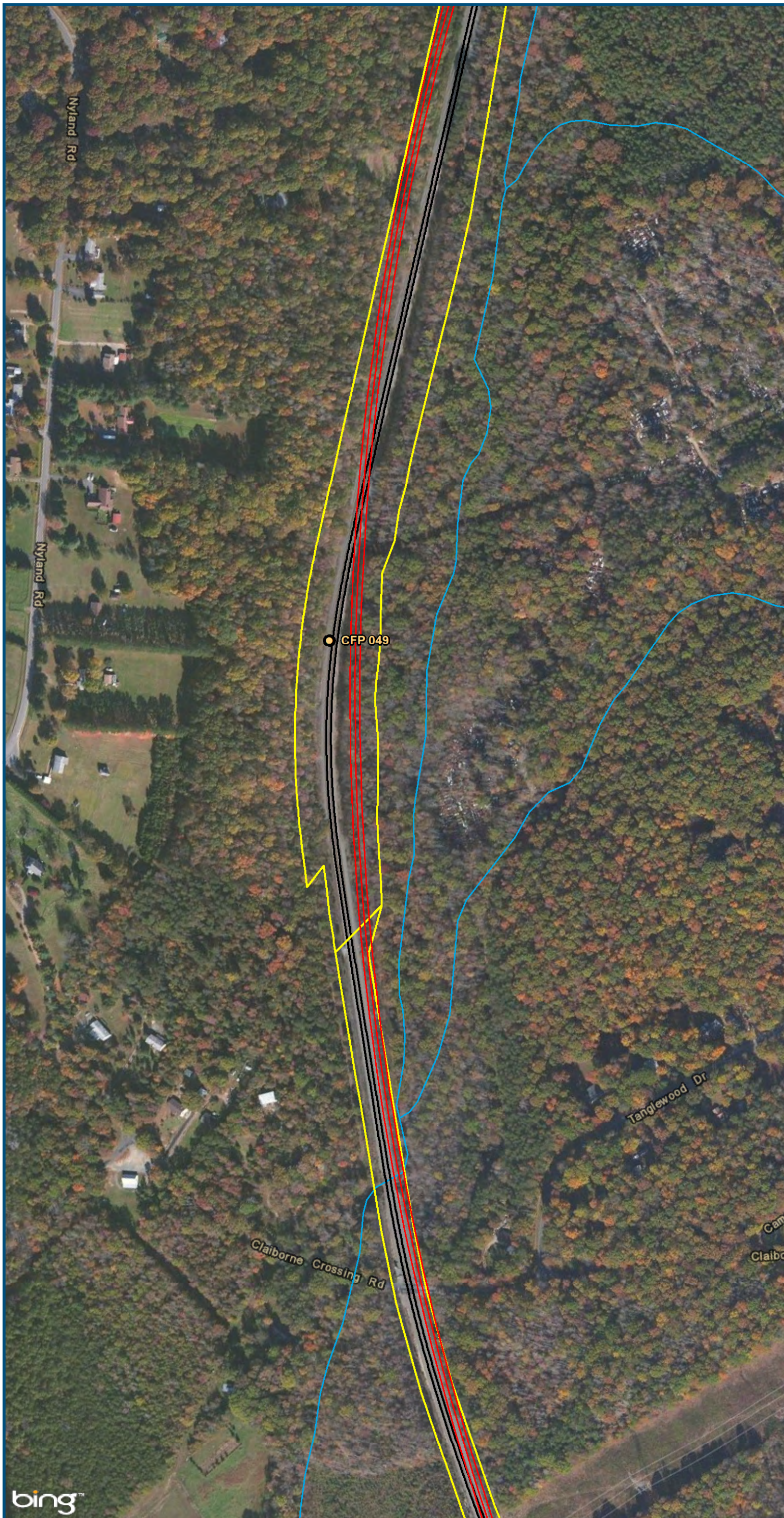
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- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

**Figure O-3
Central Virginia
Unconstrained
Alternative 4
Alignment Option**

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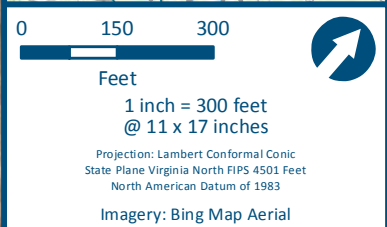
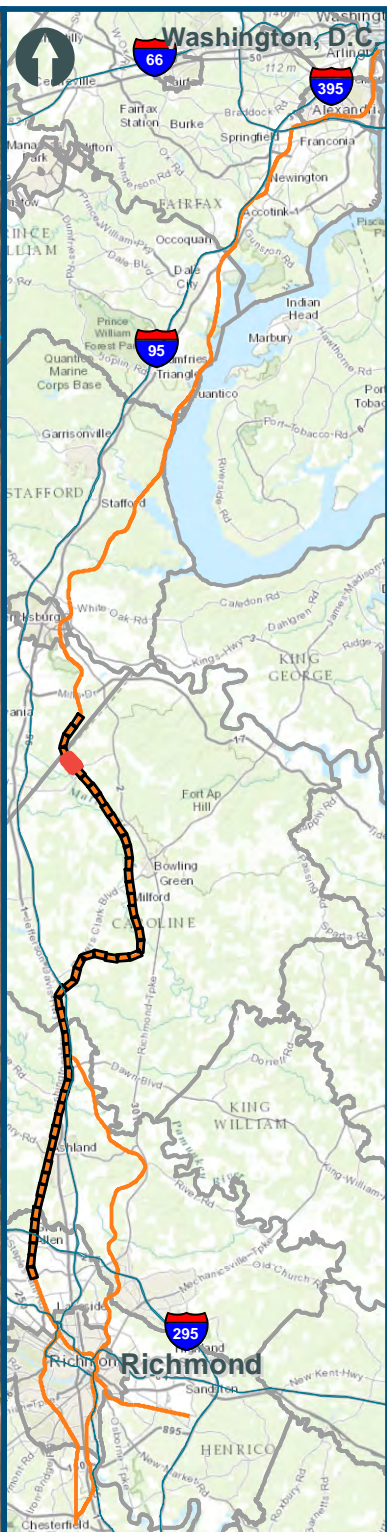


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

**Figure O-4
 Central Virginia
 Unconstrained
 Alternative 4
 Alignment Option**

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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

**Figure O-5
Central Virginia
Unconstrained
Alternative 4
Alignment Option**

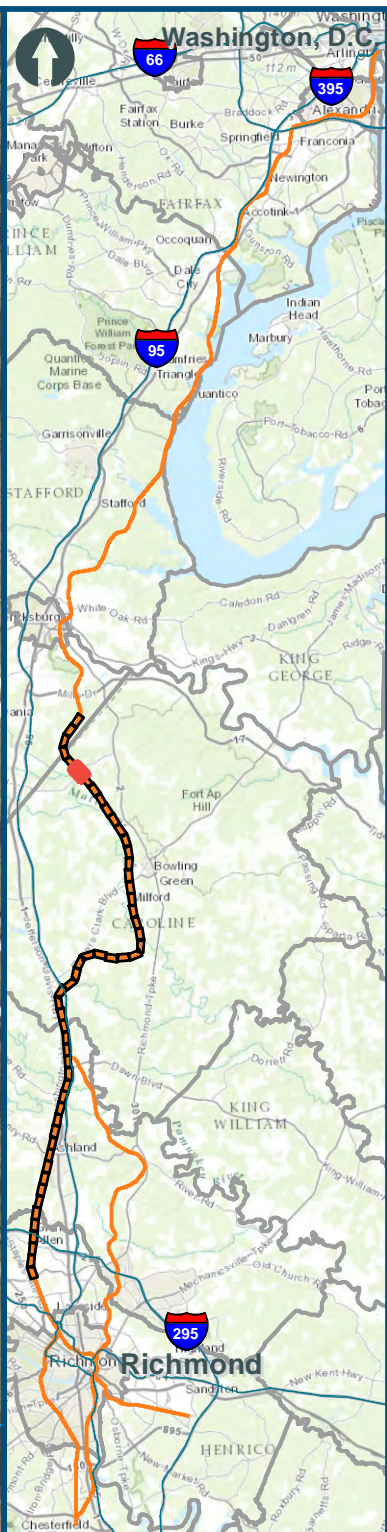
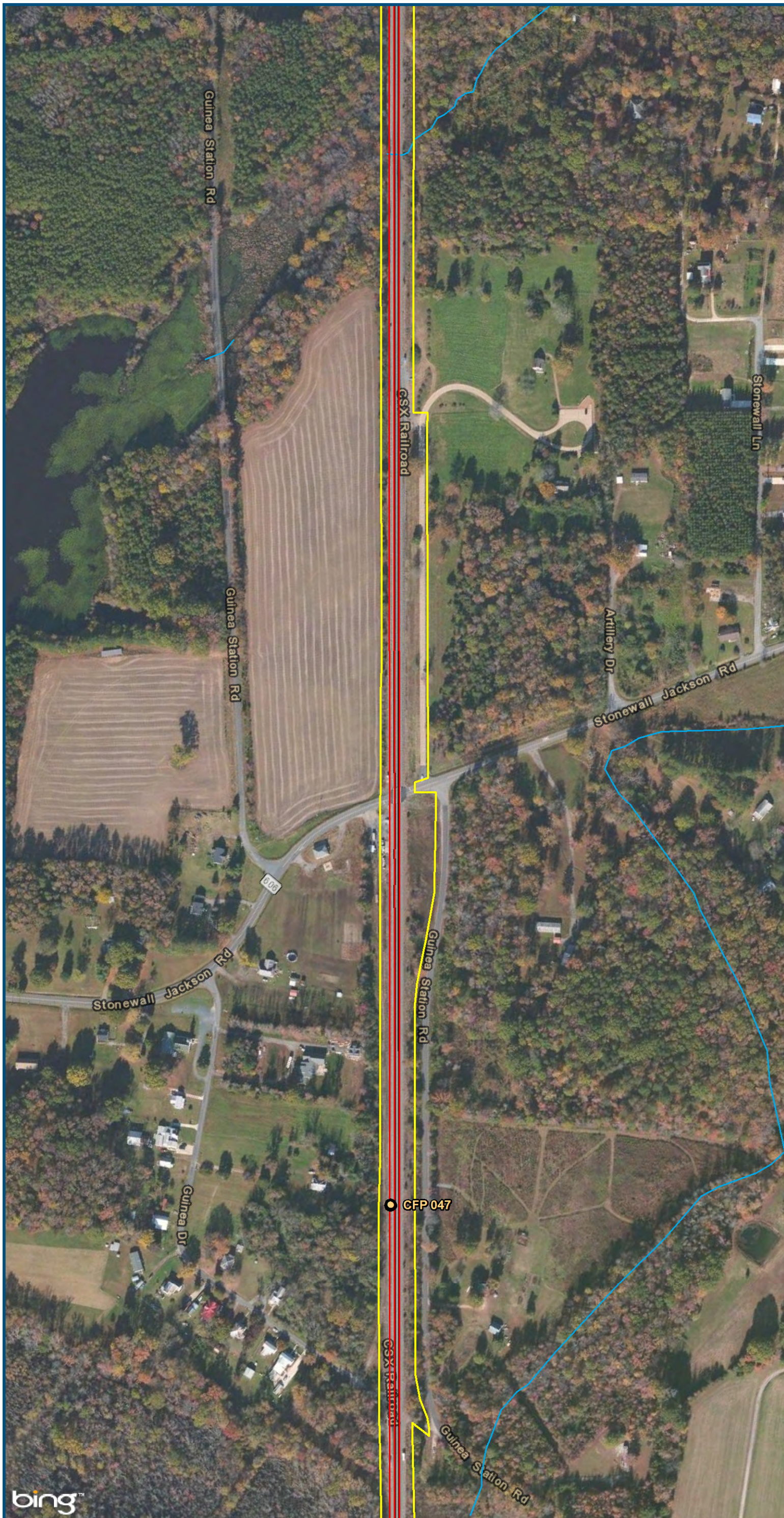


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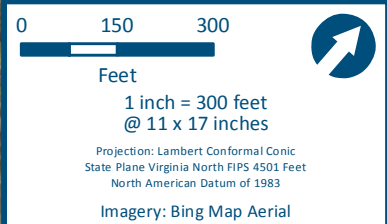
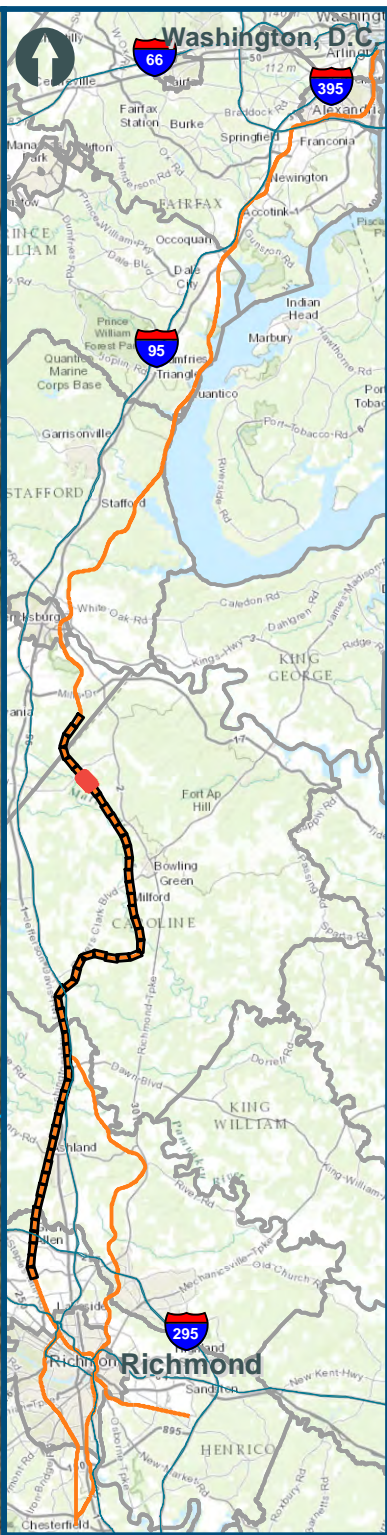


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

**Figure O-6
 Central Virginia
 Unconstrained
 Alternative 4
 Alignment Option**

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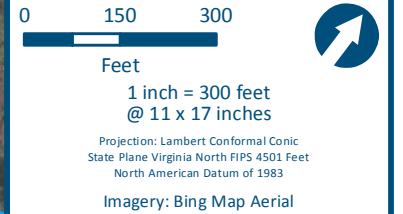
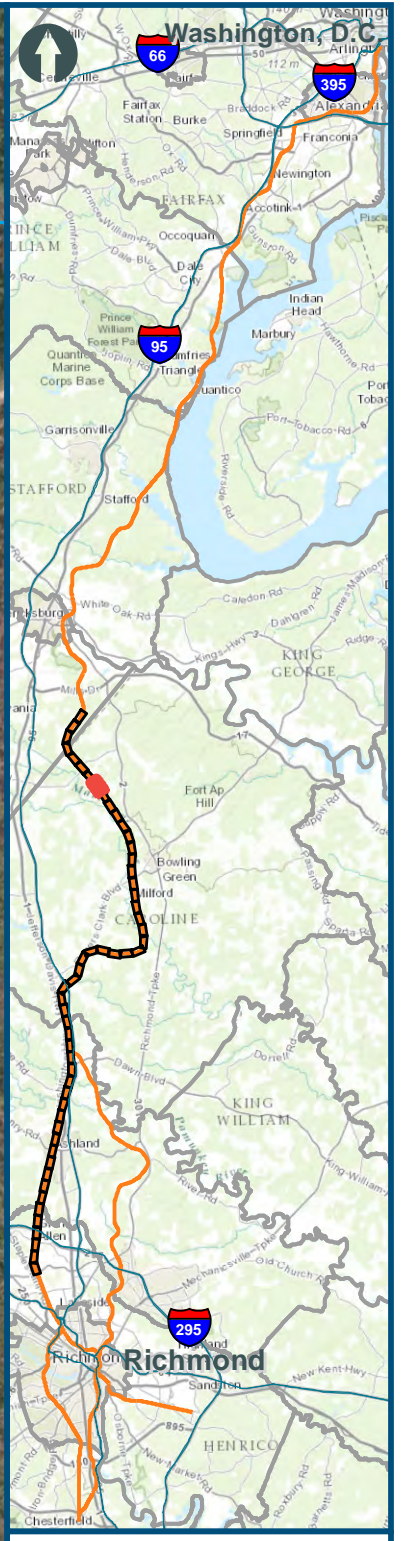


- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-7
Central Virginia
Unconstrained
Alternative 4
Alignment Option

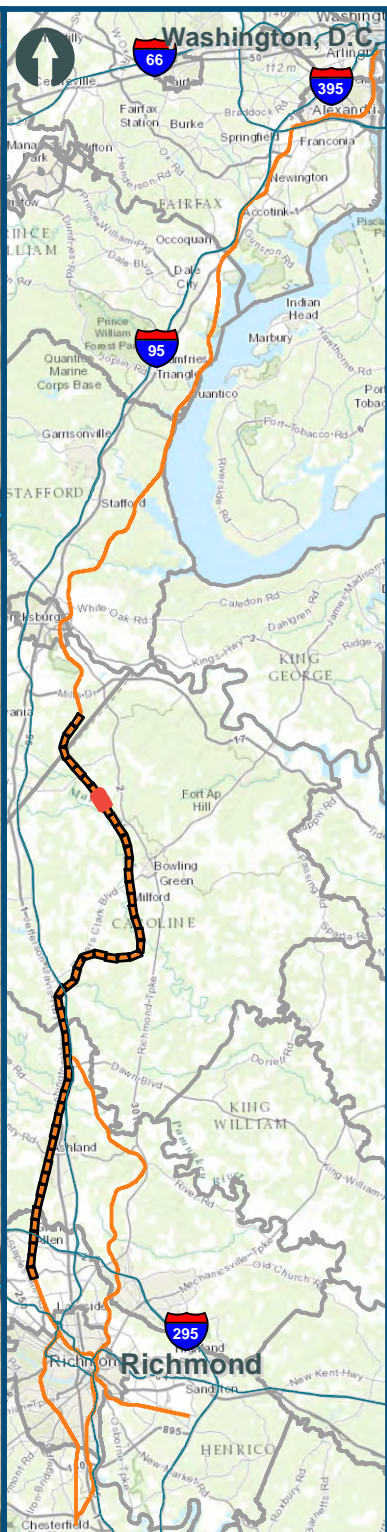
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-8
Central Virginia
Unconstrained
Alternative 4
Alignment Option



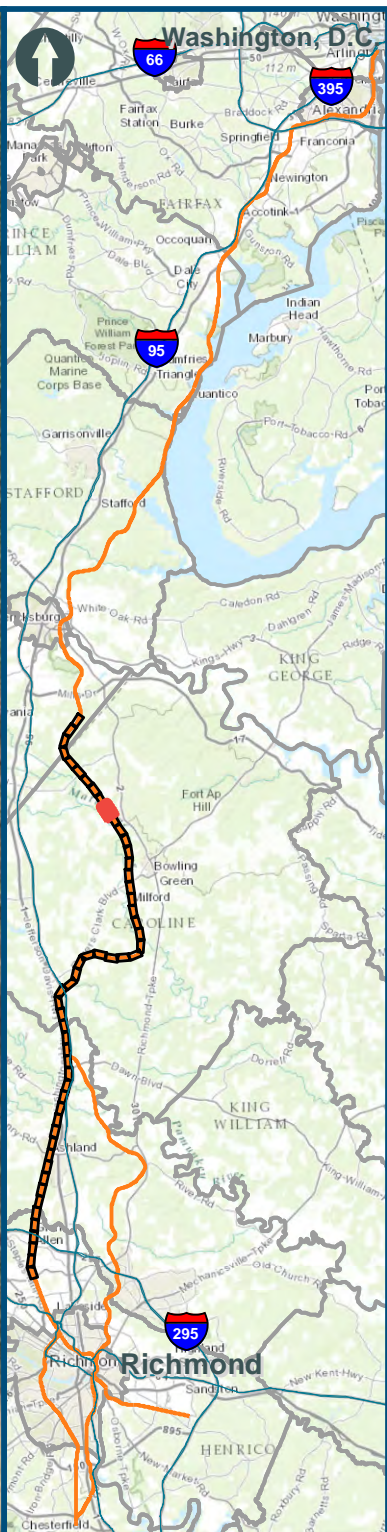
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Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

Legend

- CSXT Mileposts
- Existing Track
- New Track
- CSXT Right-of-Way
- Streams

Figure O-9
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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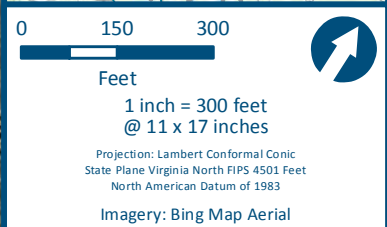
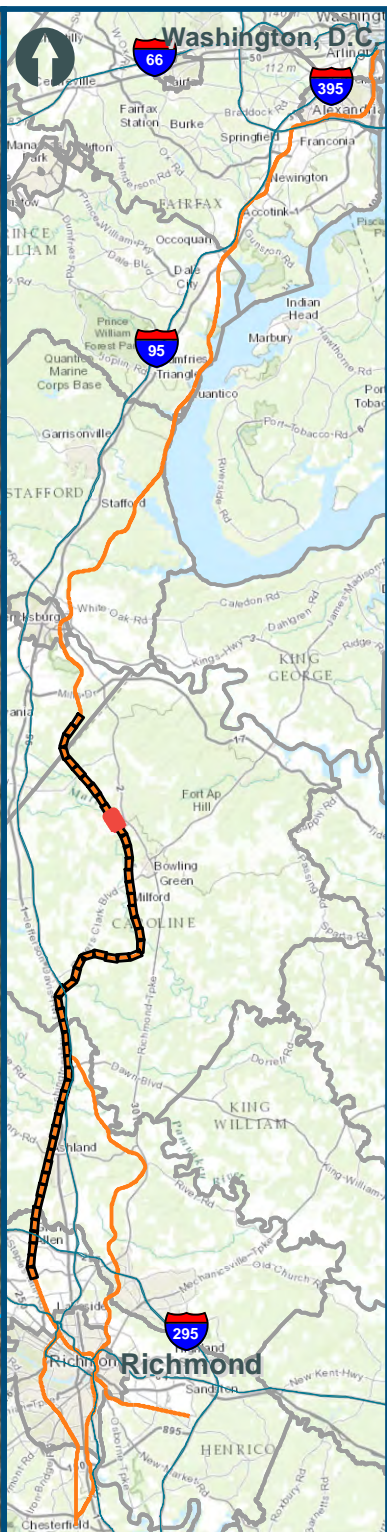
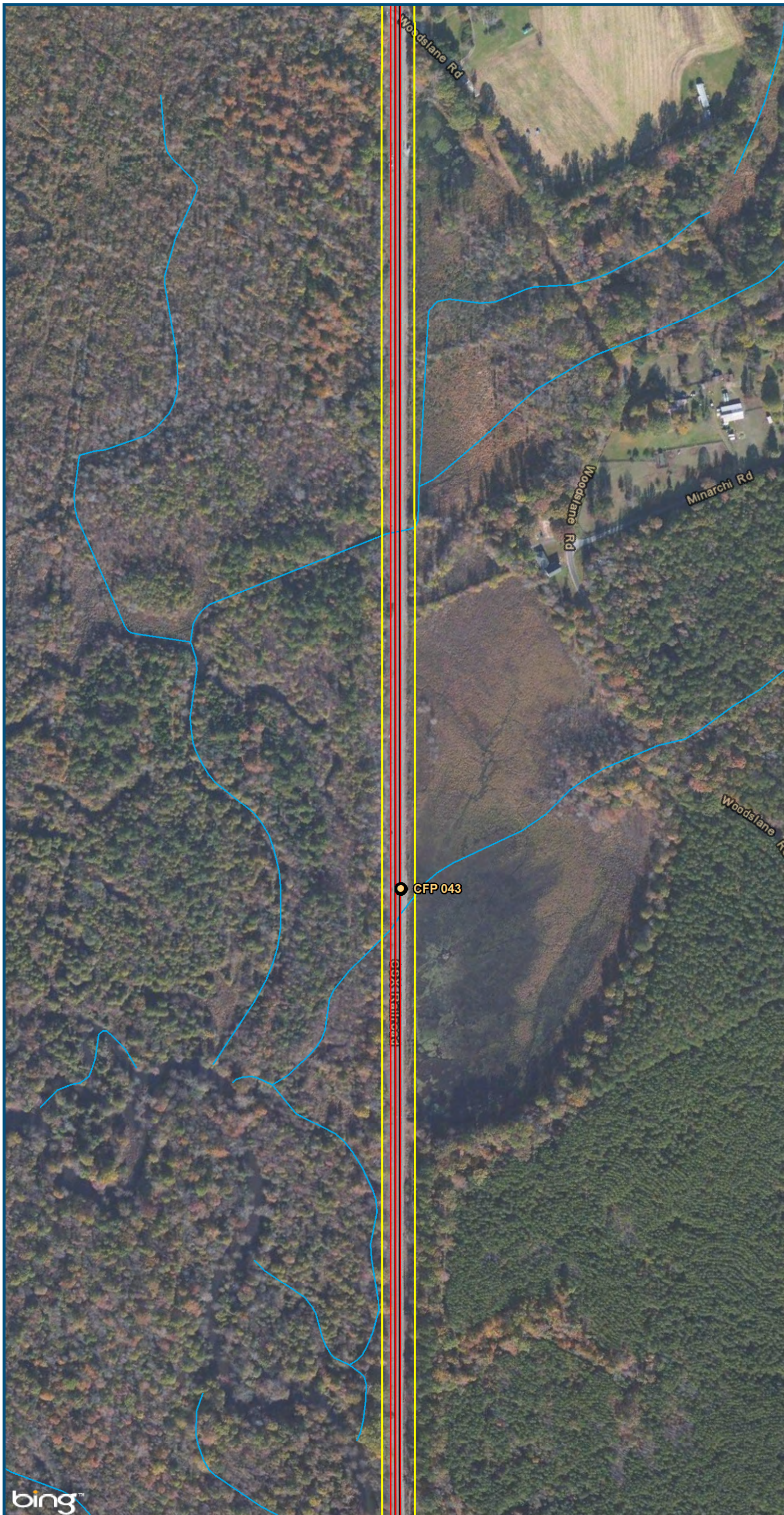


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Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-10
Central Virginia
Unconstrained
Alternative 4
Alignment Option

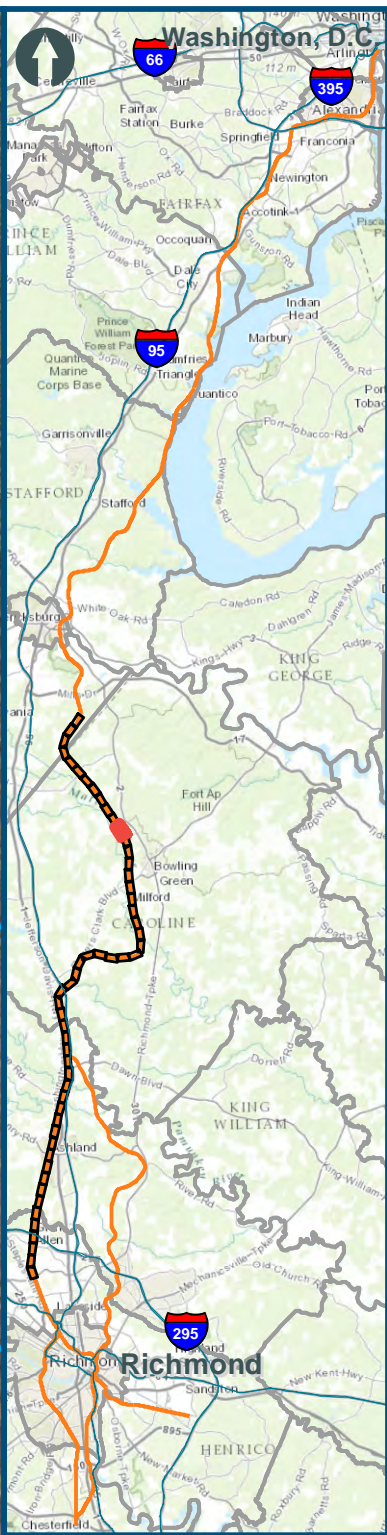
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-11
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-12
Central Virginia
Unconstrained
Alternative 4
Alignment Option

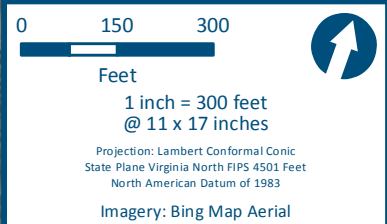
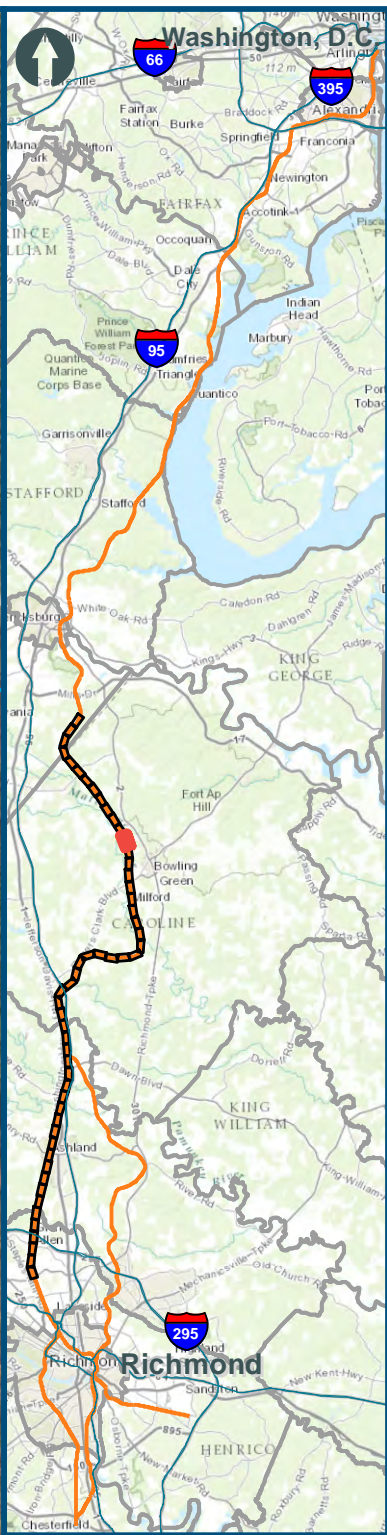
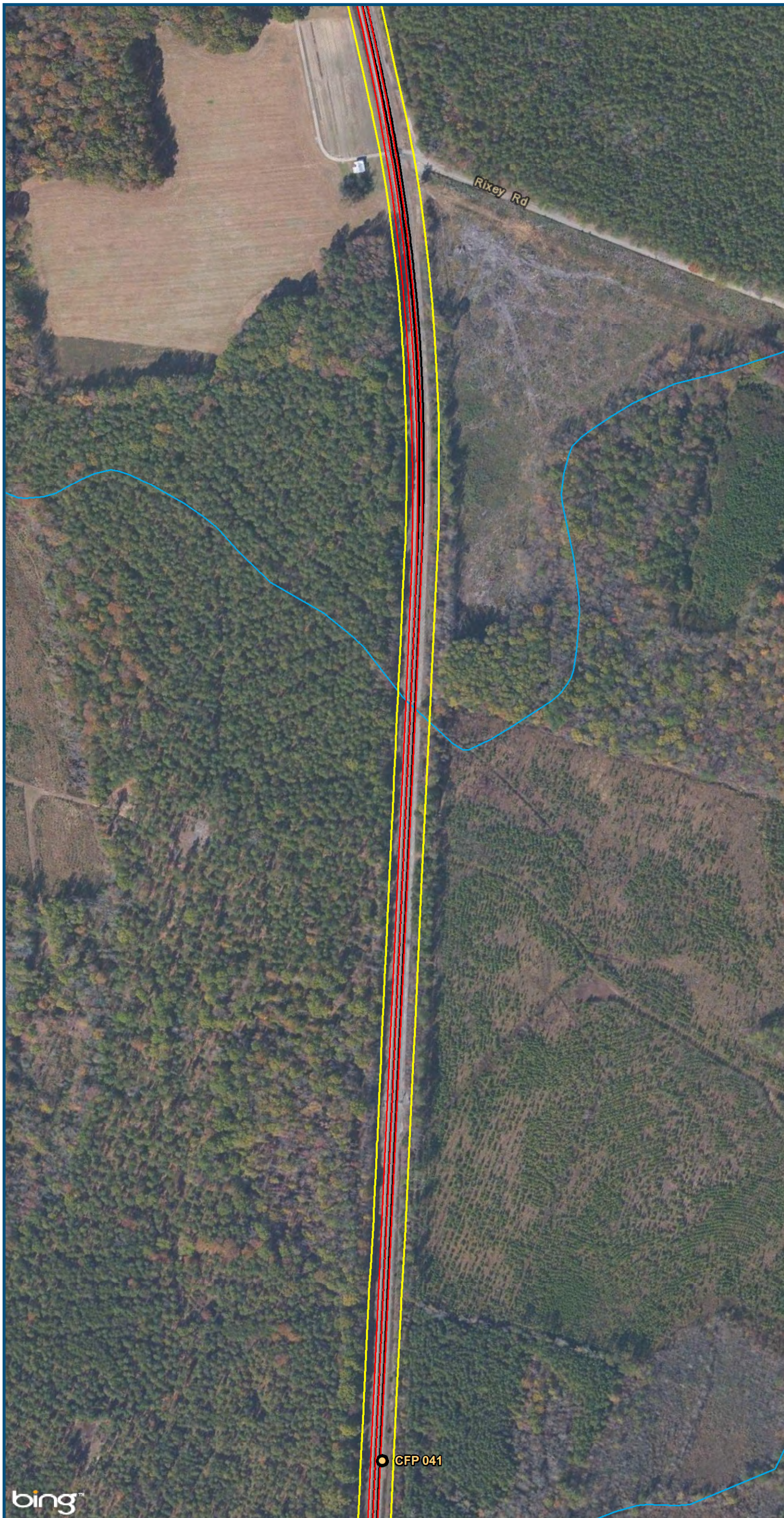


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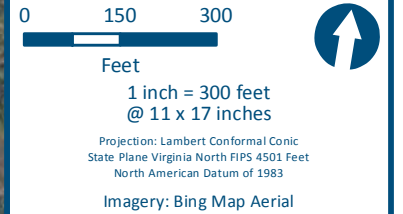
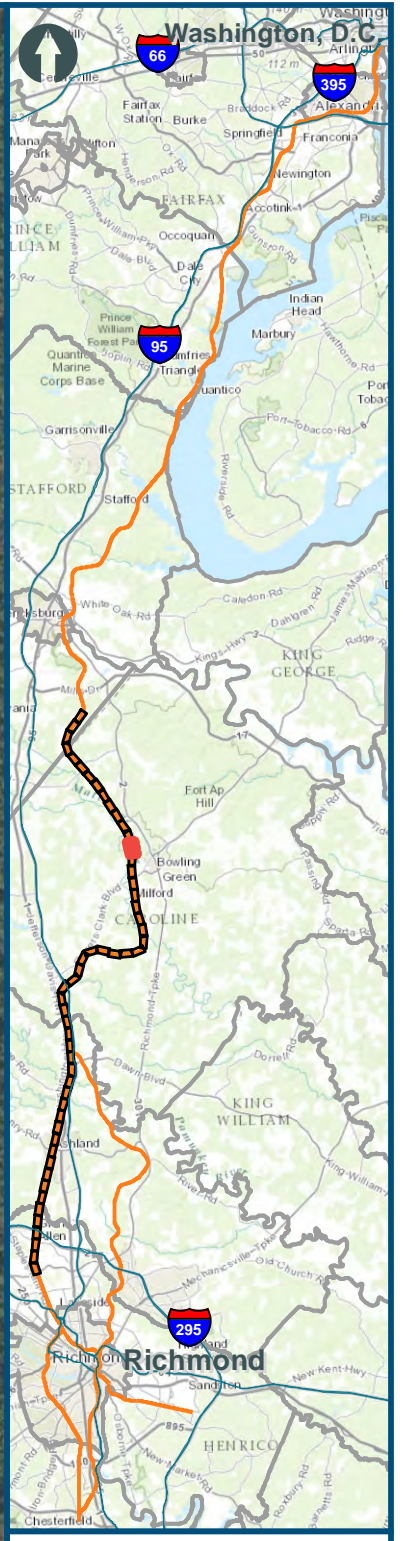
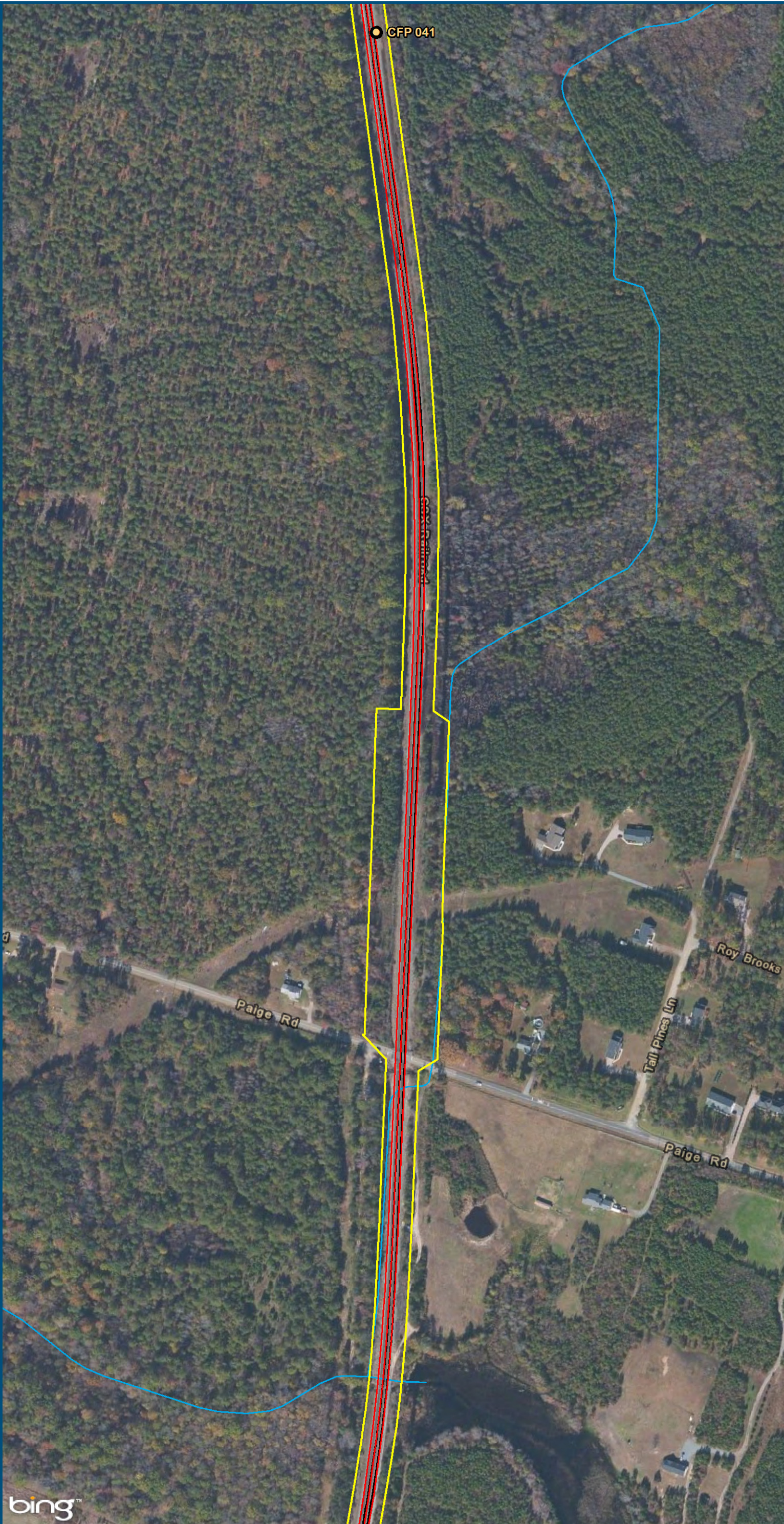
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-13
Central Virginia
Unconstrained
Alternative 4
Alignment Option

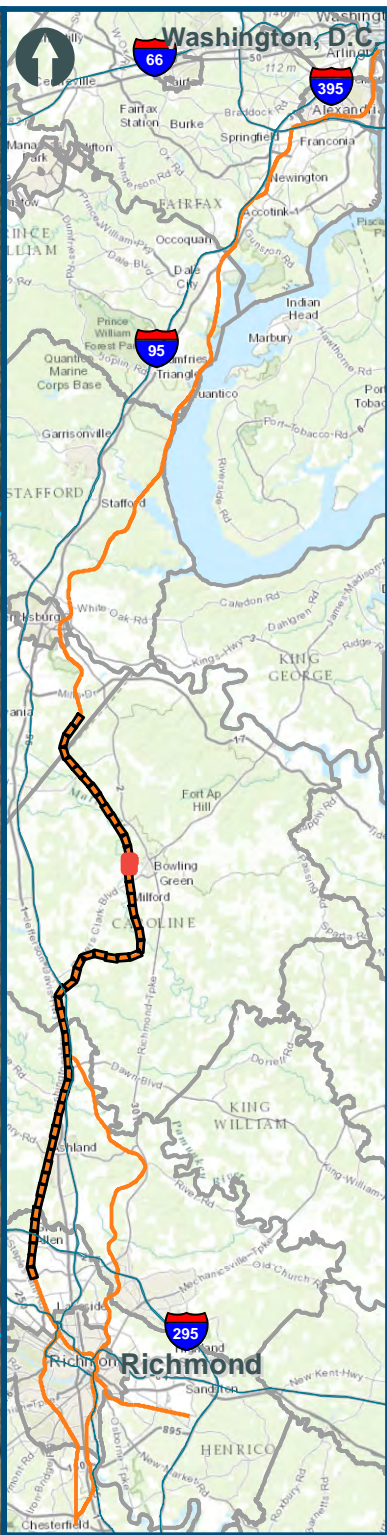
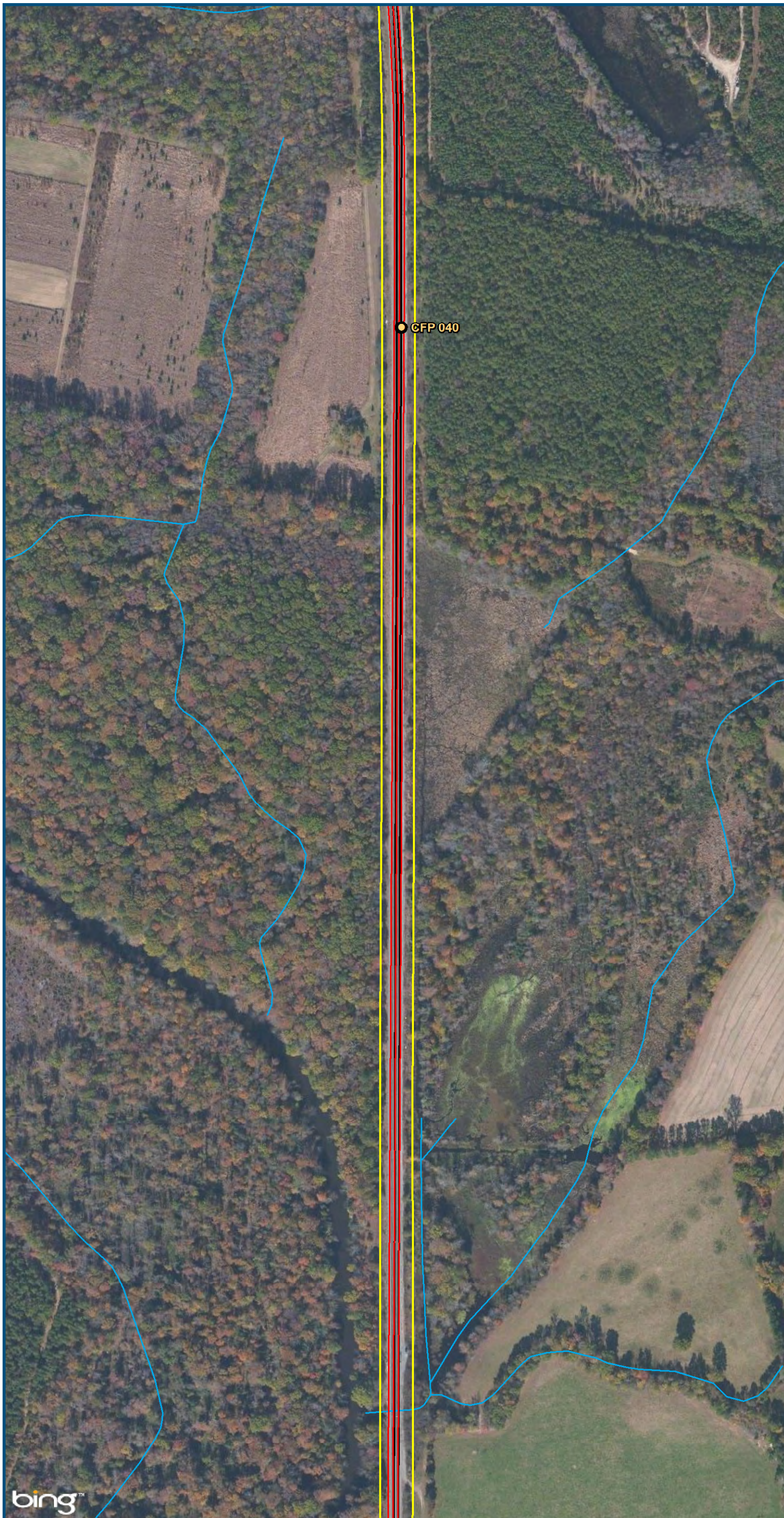
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-14
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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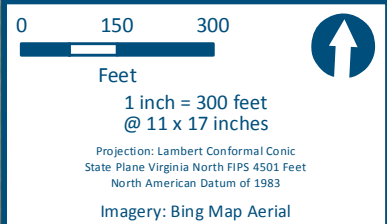
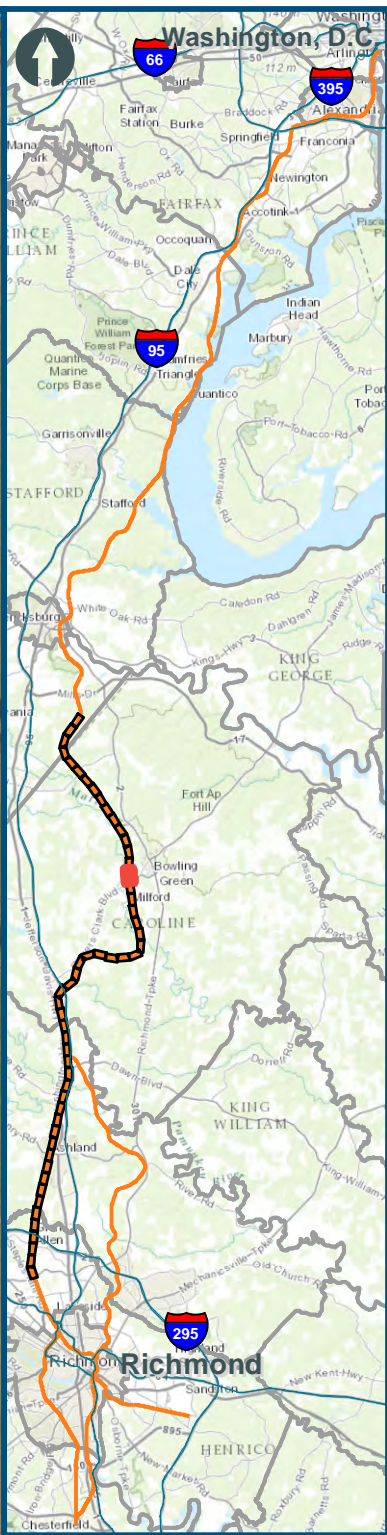
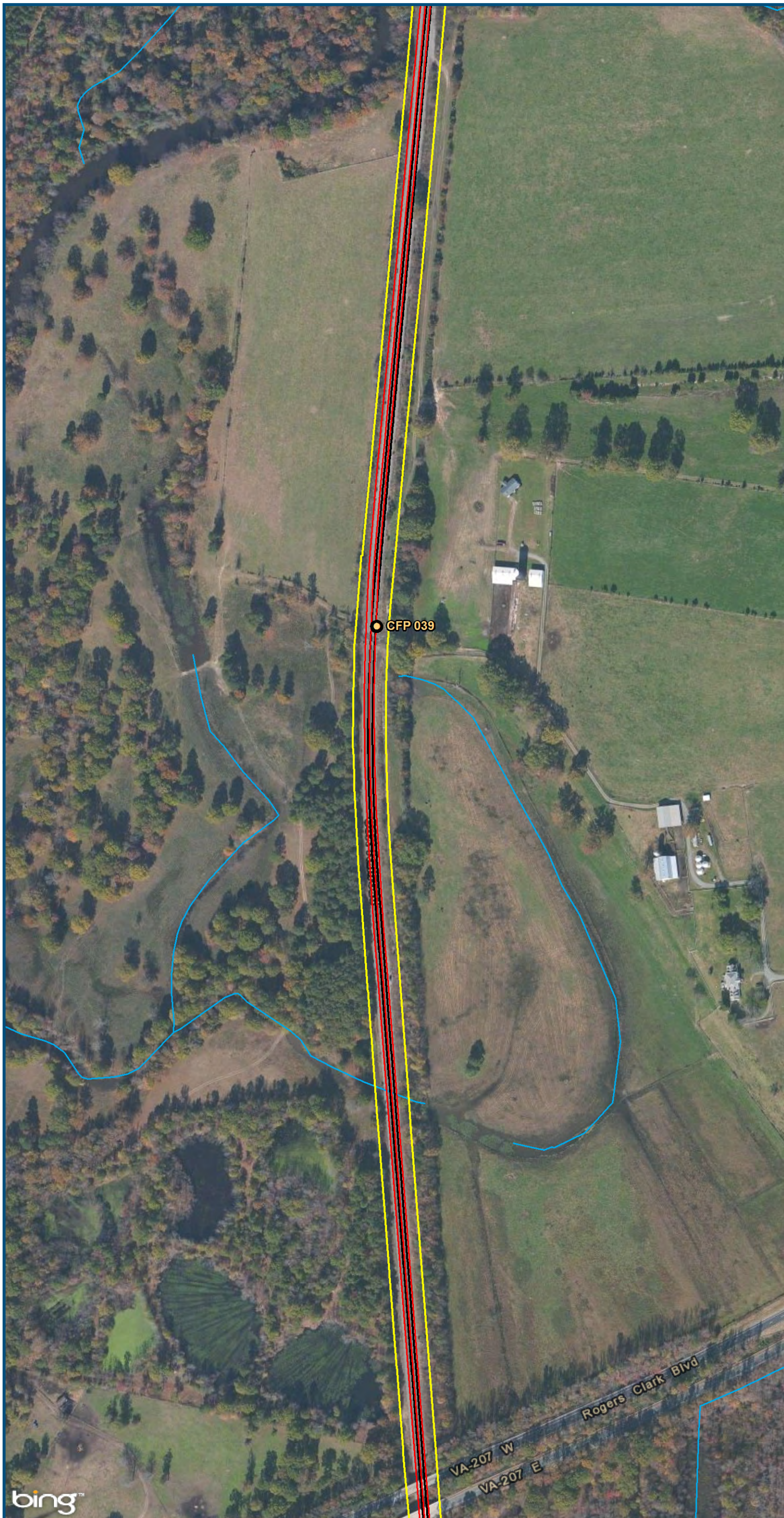


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-15
Central Virginia
Unconstrained
Alternative 4
Alignment Option

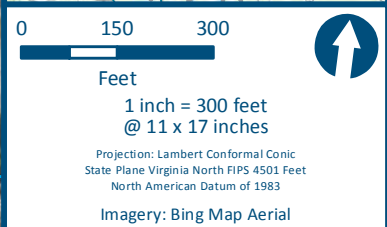
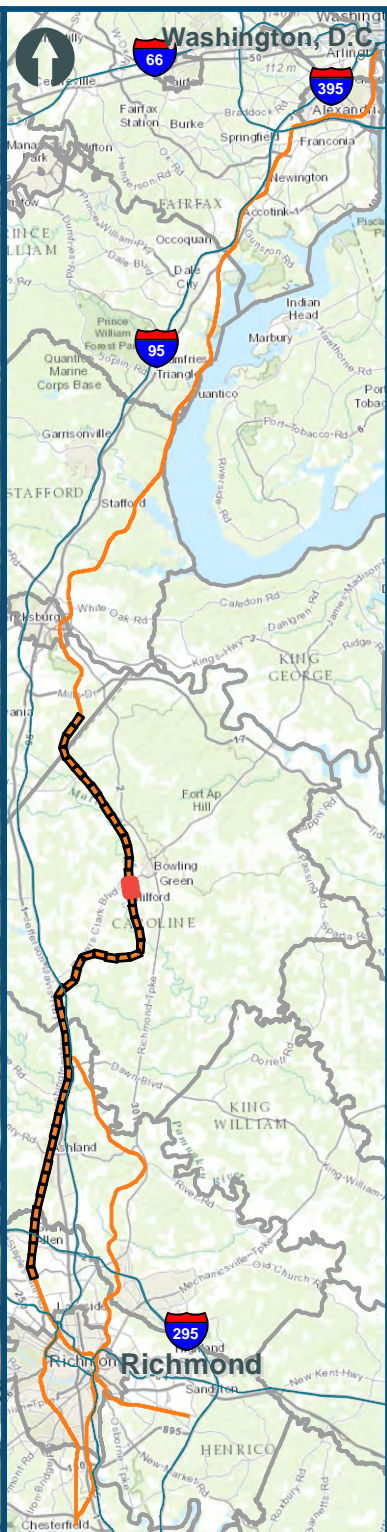
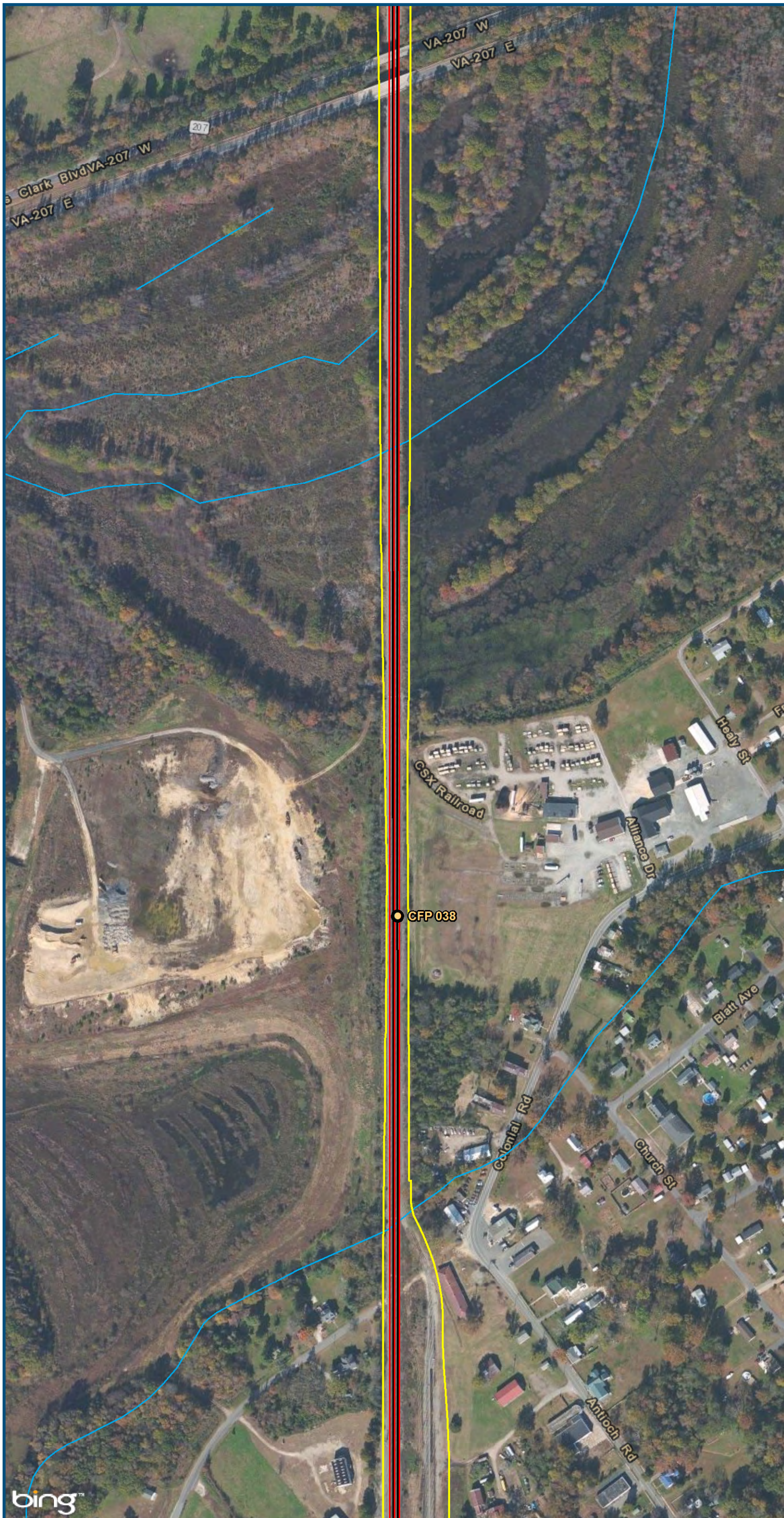
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-16
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-17
Central Virginia
Unconstrained
Alternative 4
Alignment Option

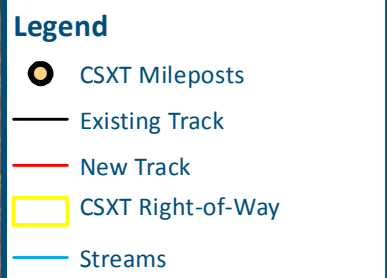
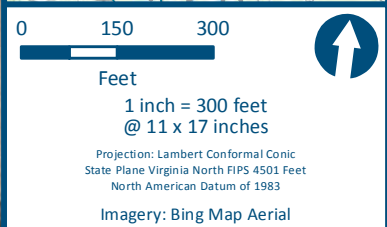
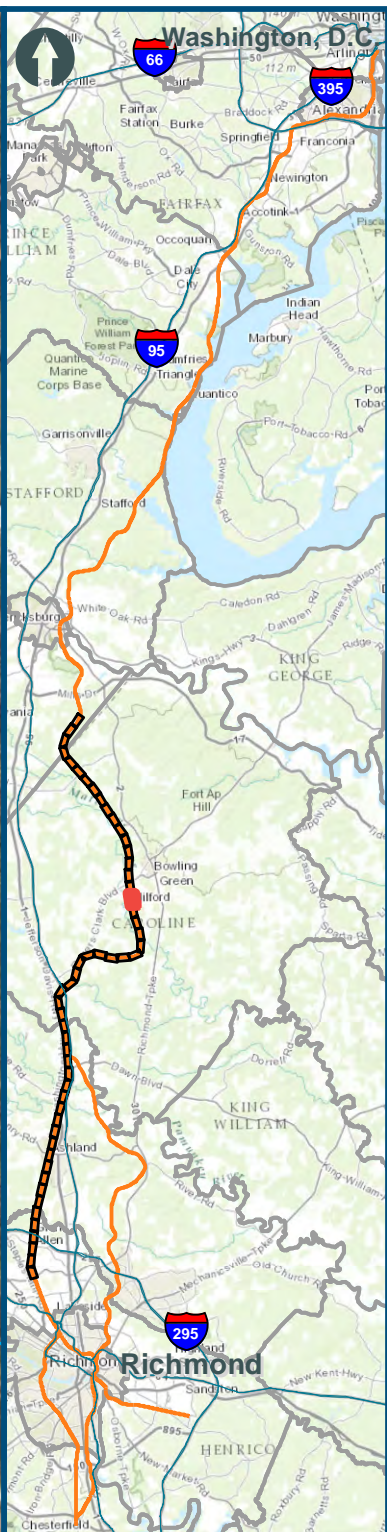
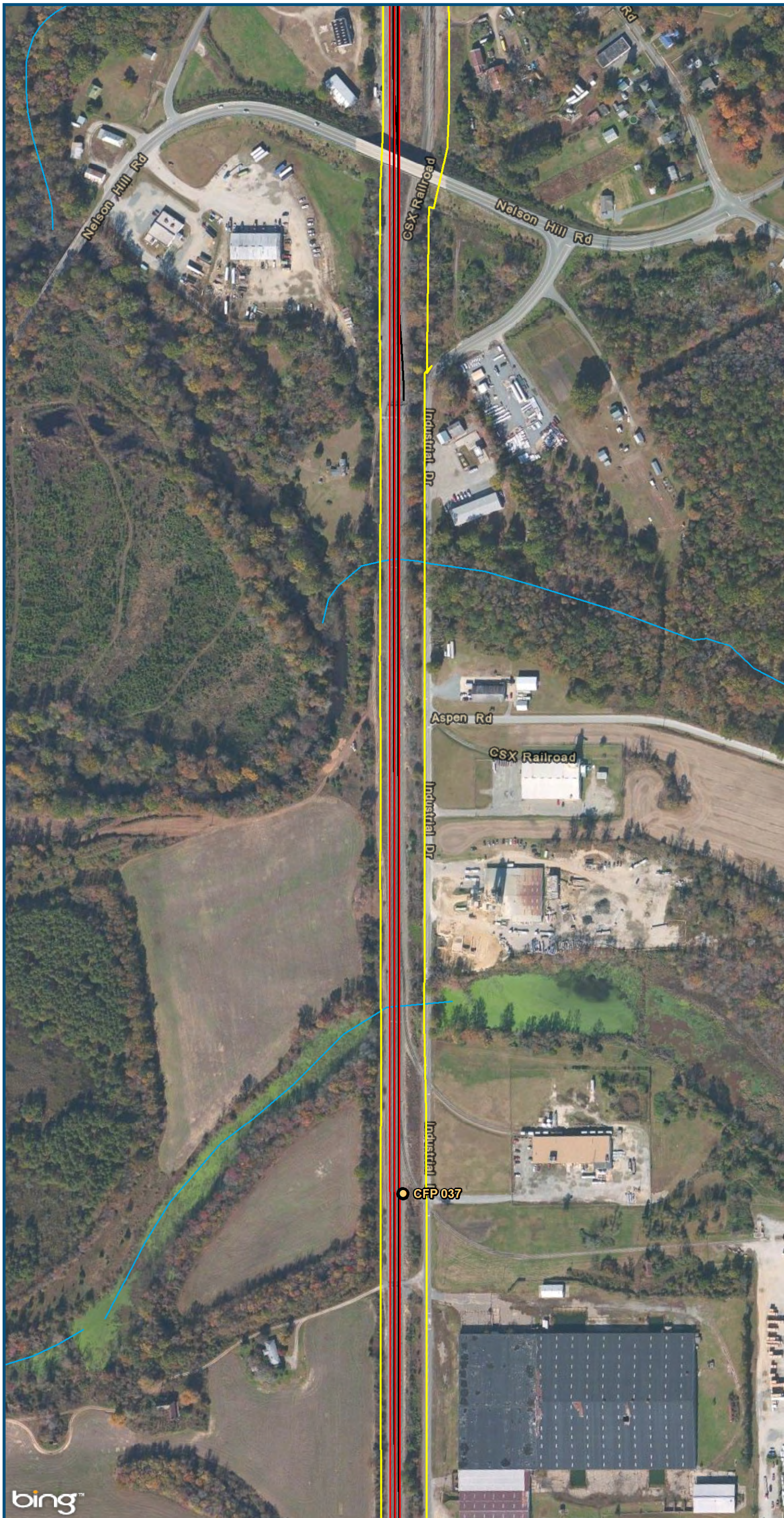
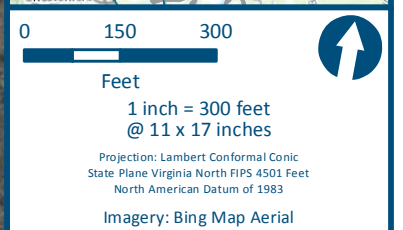
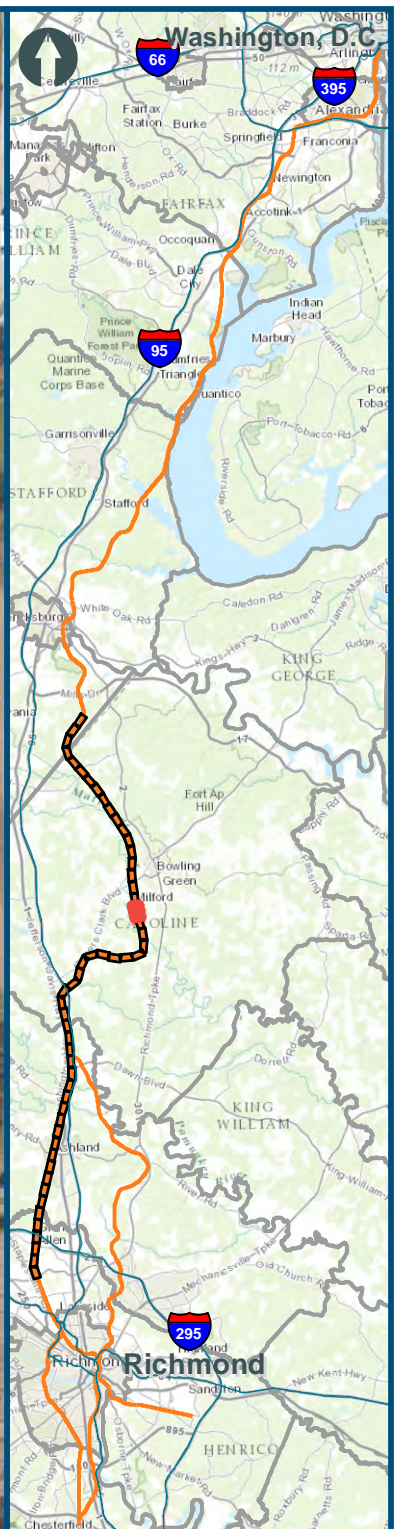


Figure O-18
Central Virginia
Unconstrained
Alternative 4
Alignment Option

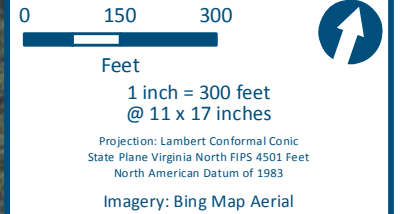
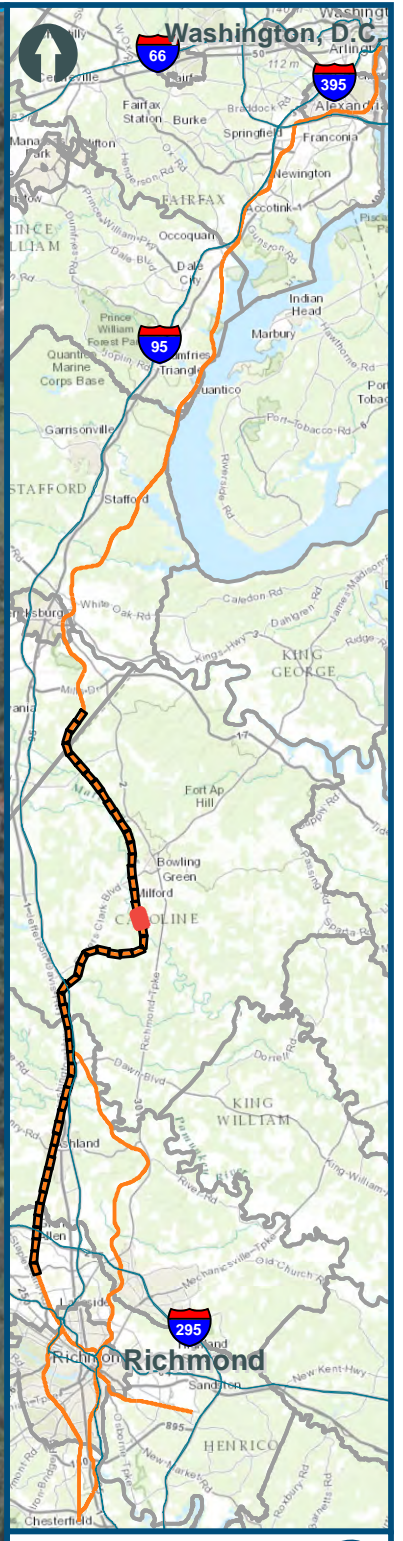
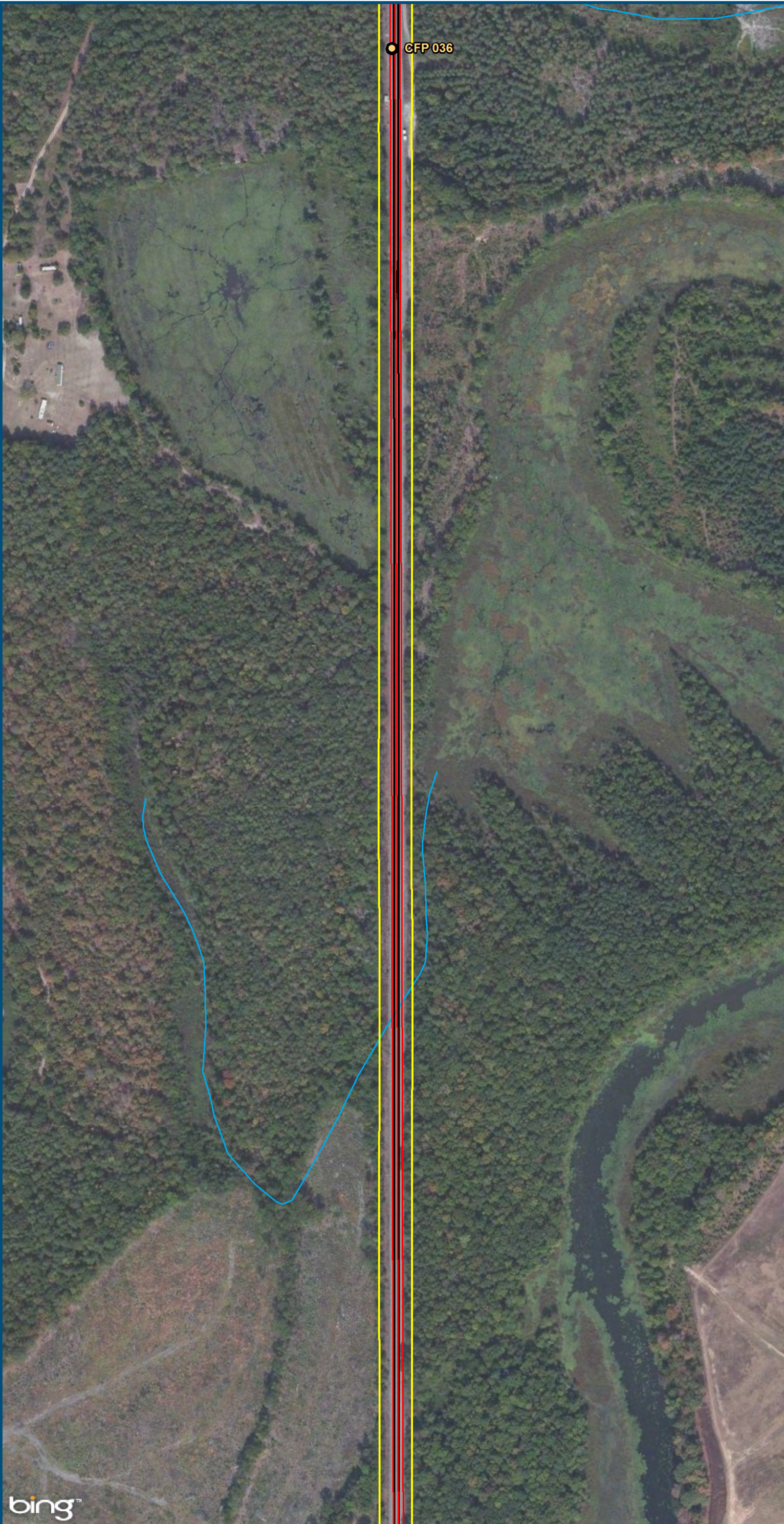
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

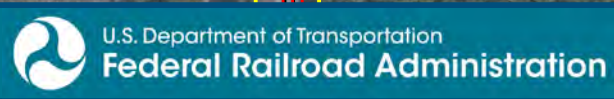
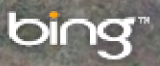
Figure O-19
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

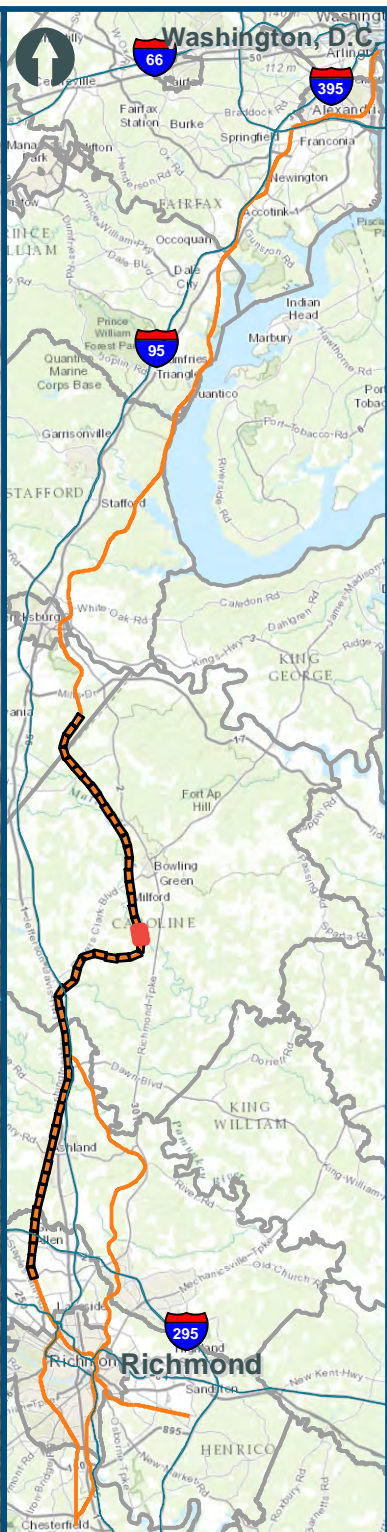
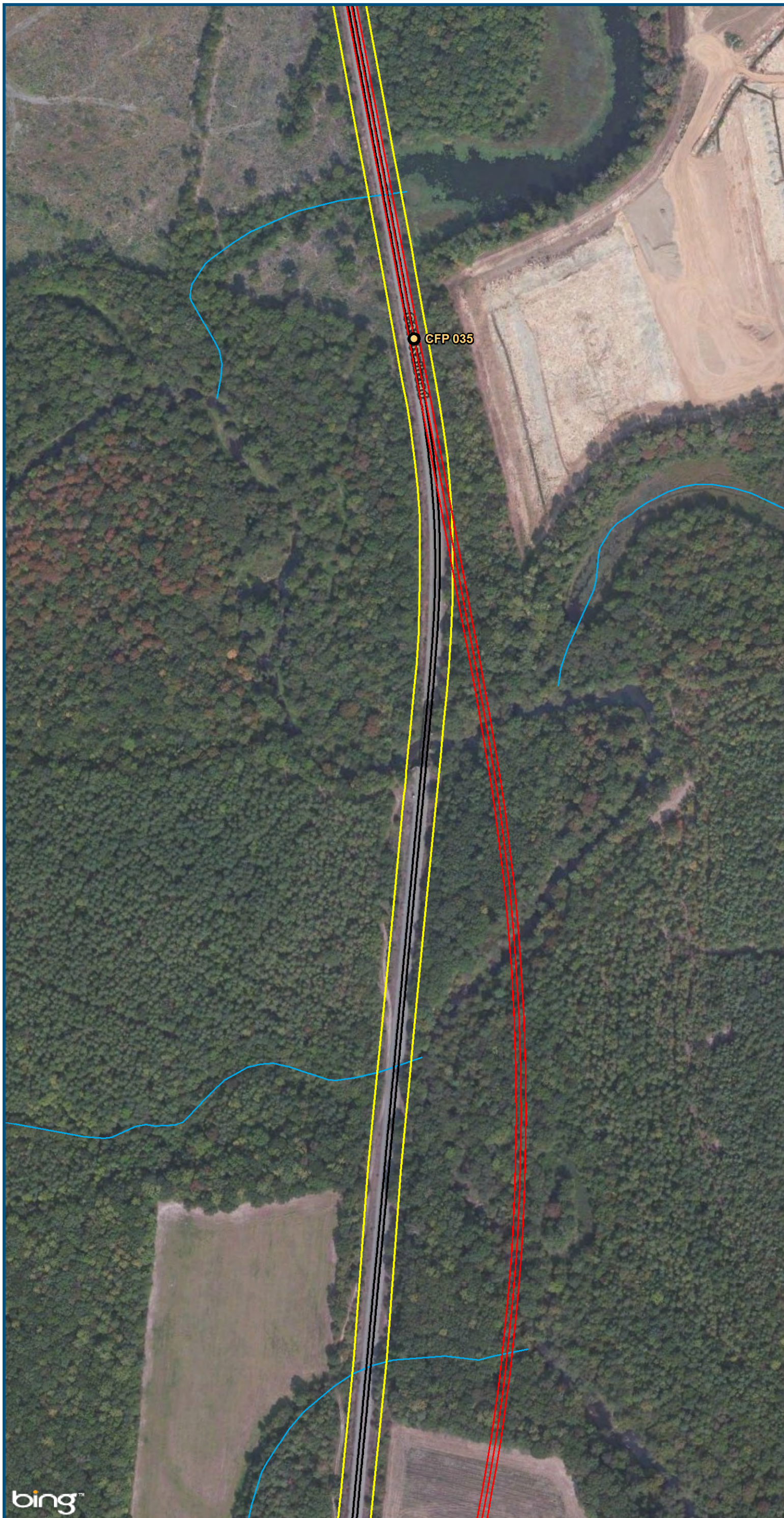
Figure O-20
Central Virginia
Unconstrained
Alternative 4
Alignment Option



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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-21
Central Virginia
Unconstrained
Alternative 4
Alignment Option

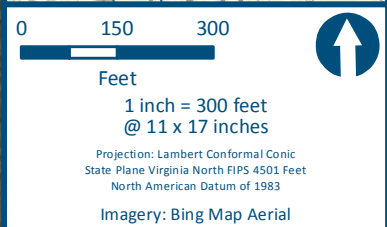
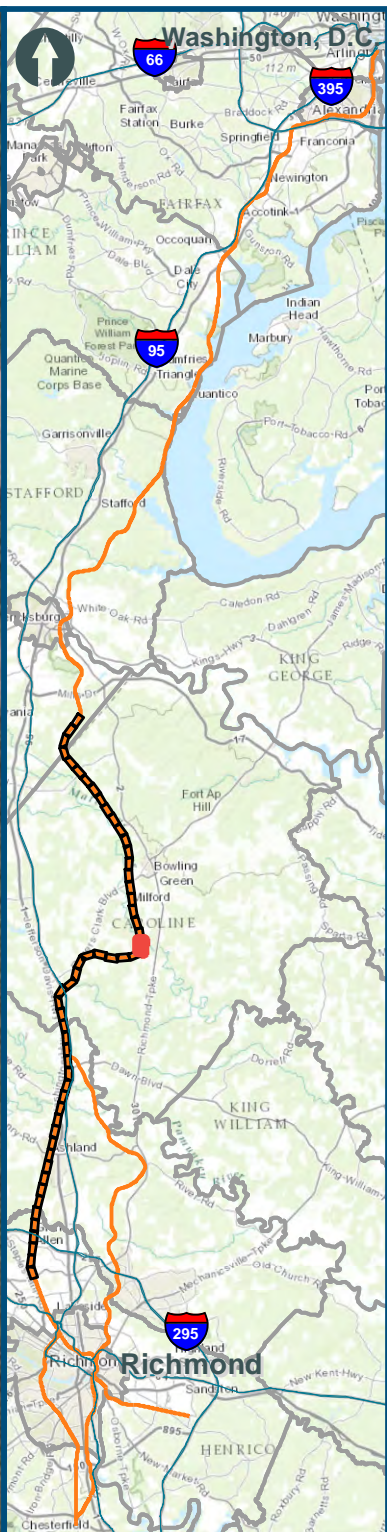
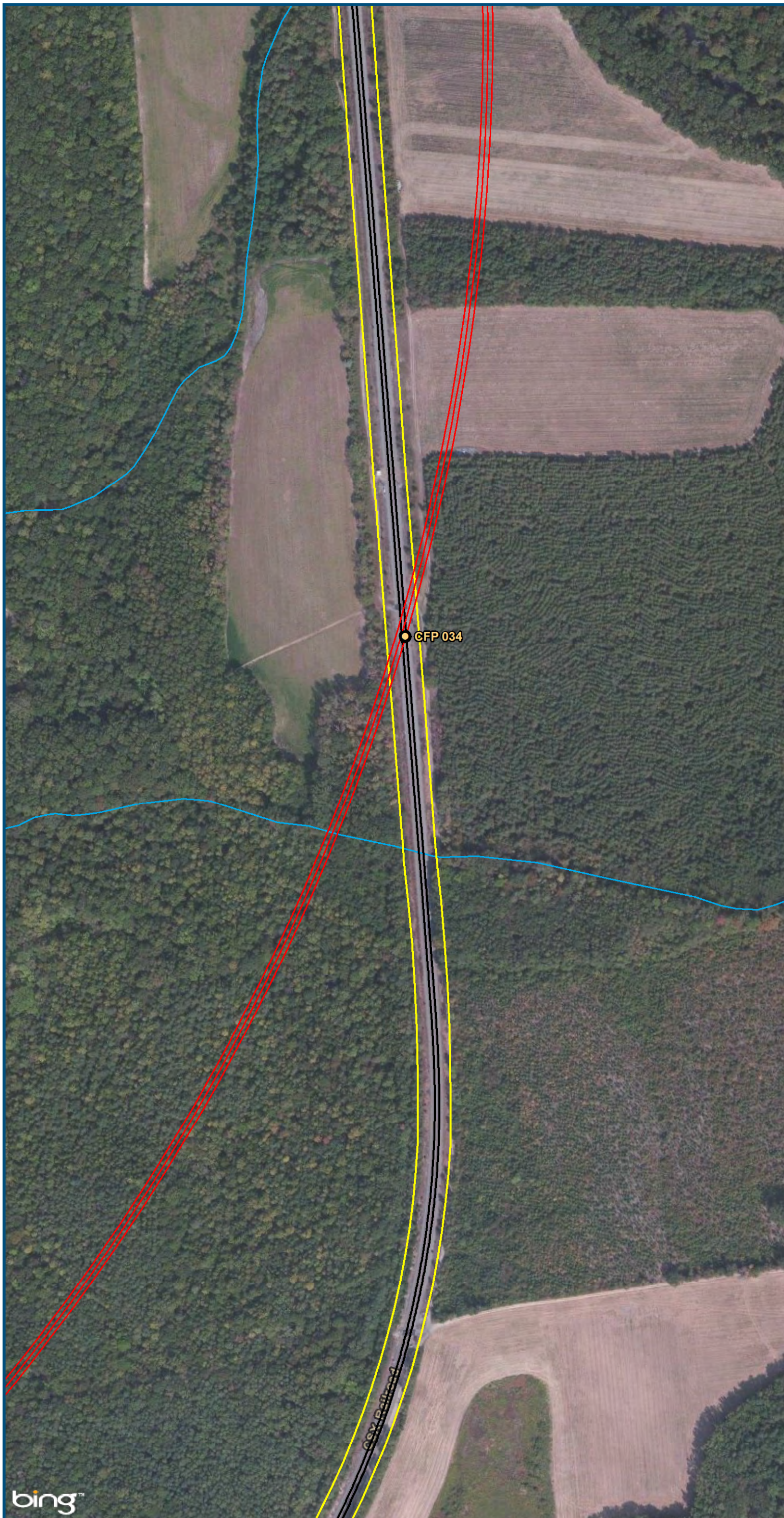


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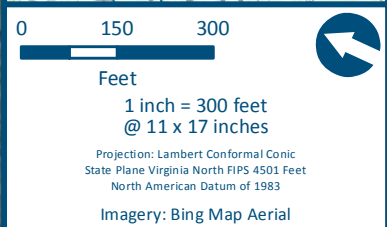
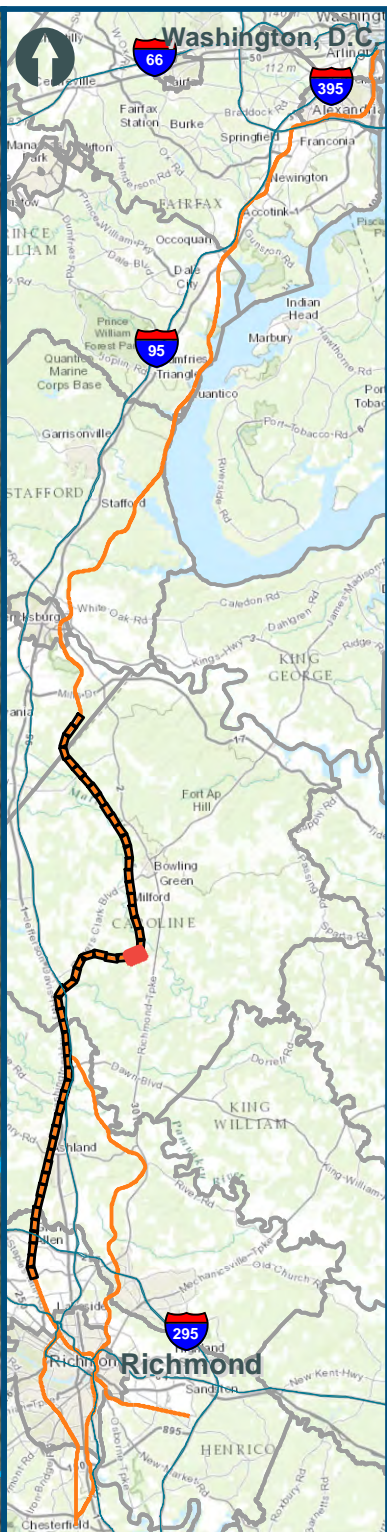
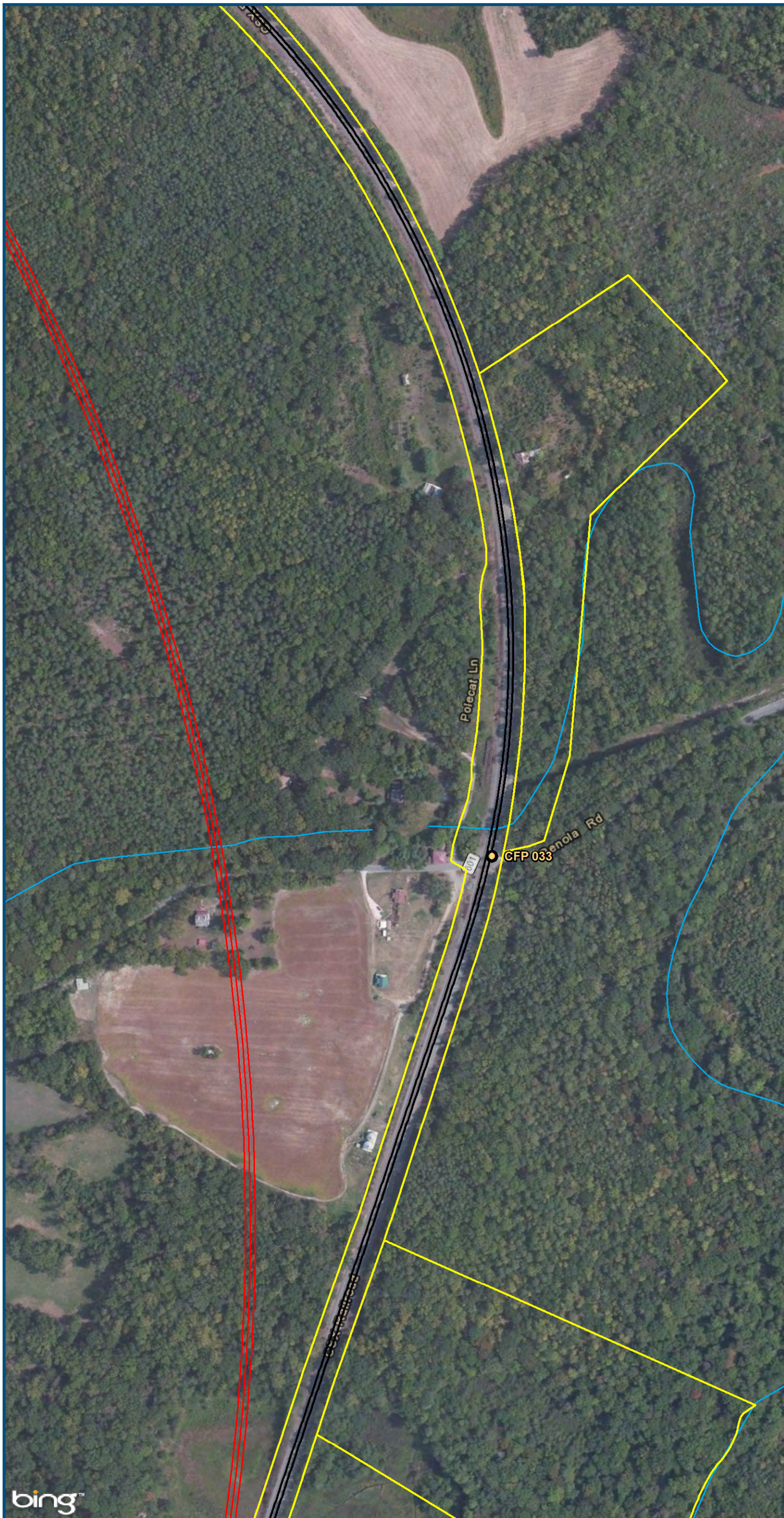
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-22
Central Virginia
Unconstrained
Alternative 4
Alignment Option

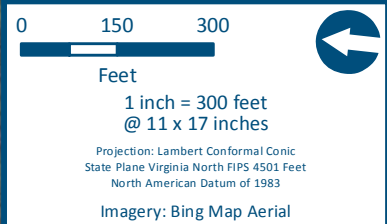
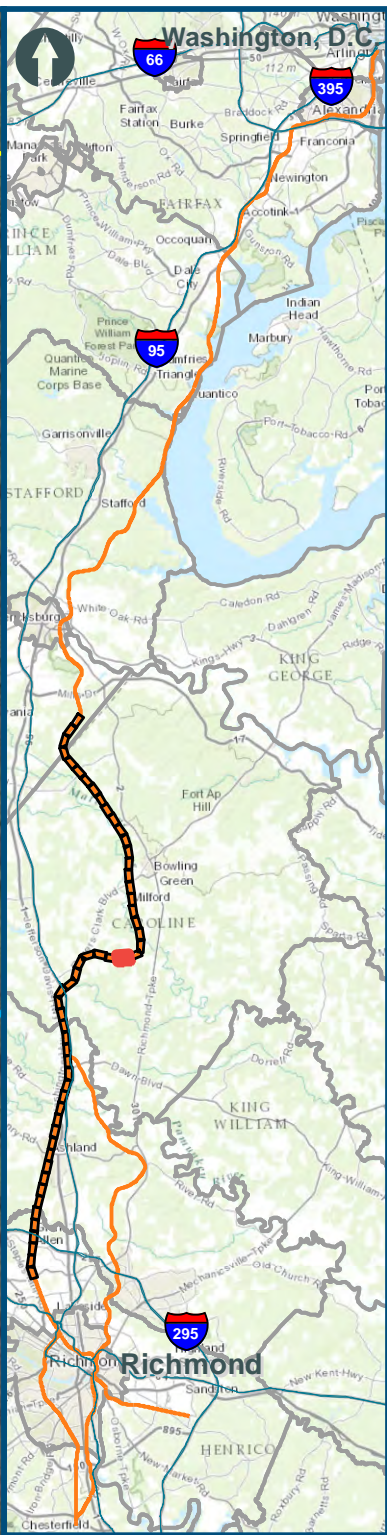
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-23
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-24
Central Virginia
Unconstrained
Alternative 4
Alignment Option

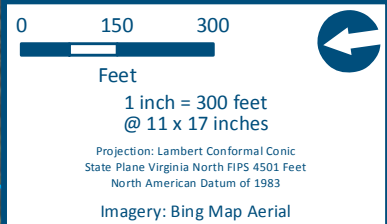
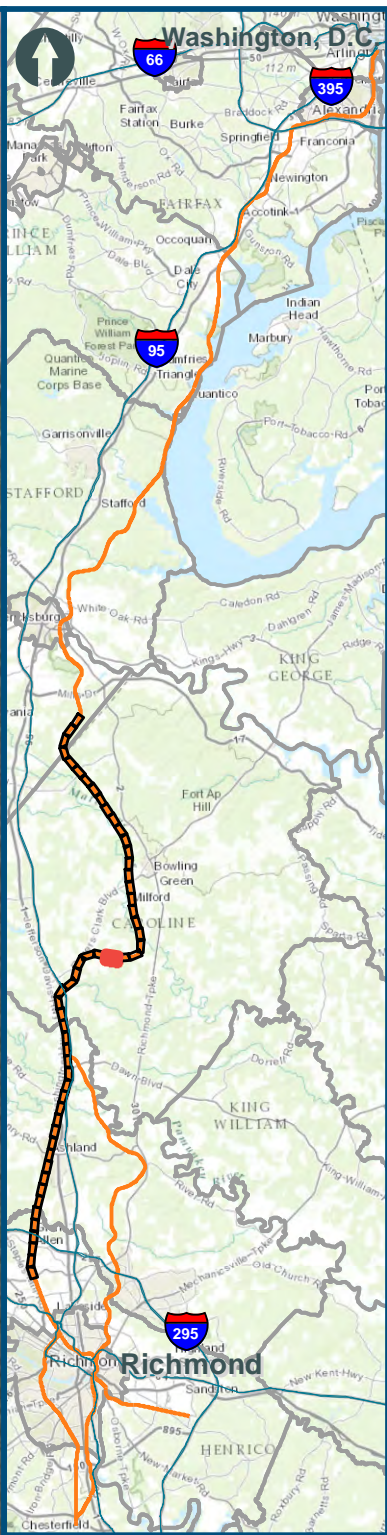


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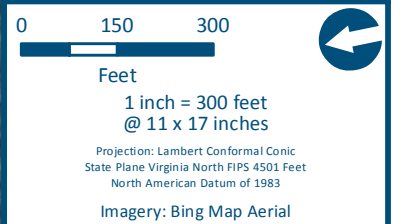
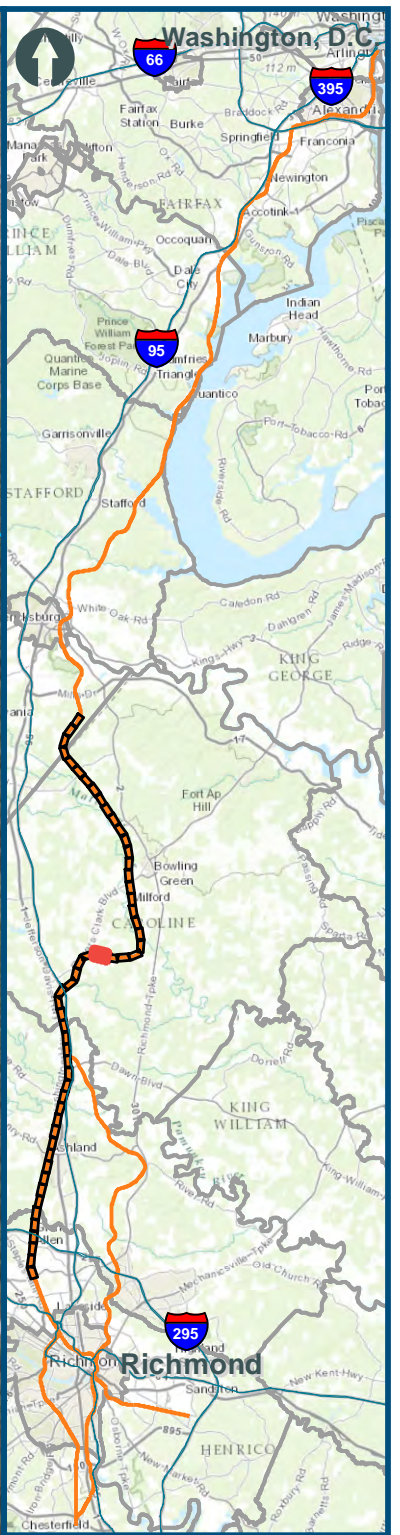
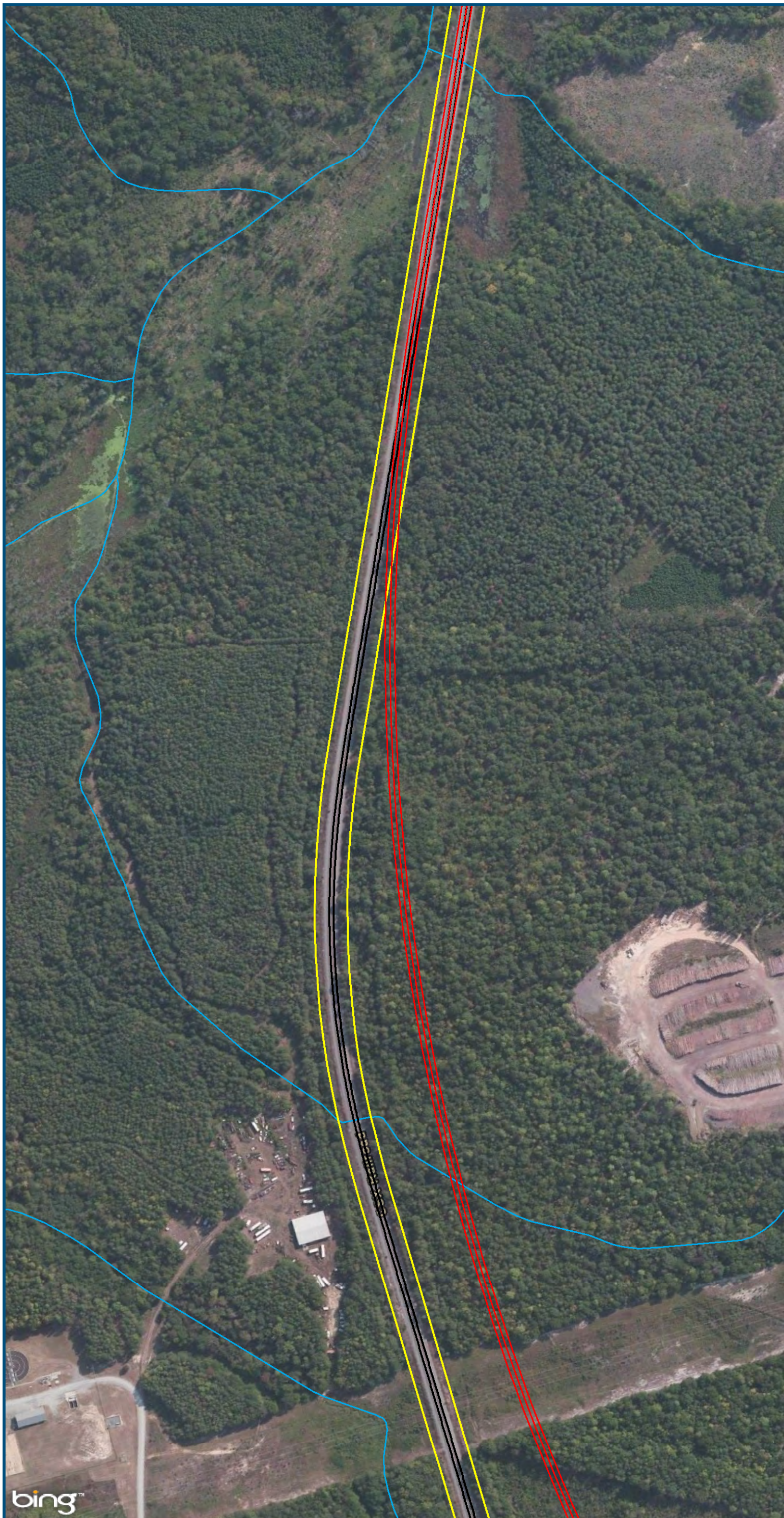
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-25
Central Virginia
Unconstrained
Alternative 4
Alignment Option

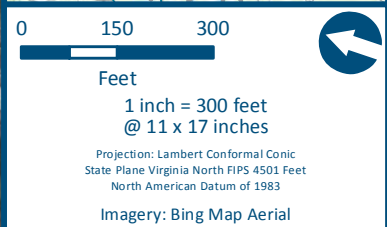
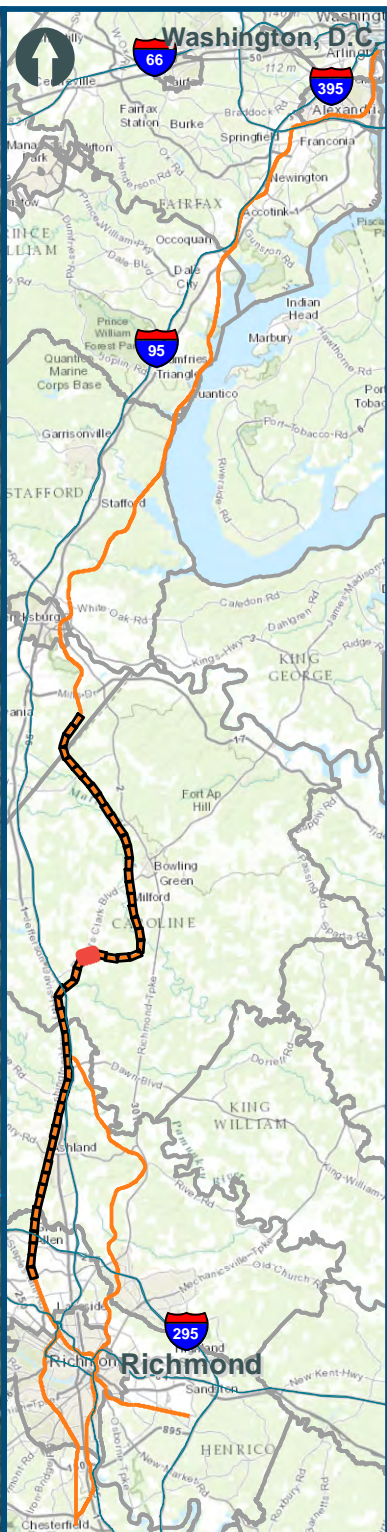
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-26
Central Virginia
Unconstrained
Alternative 4
Alignment Option

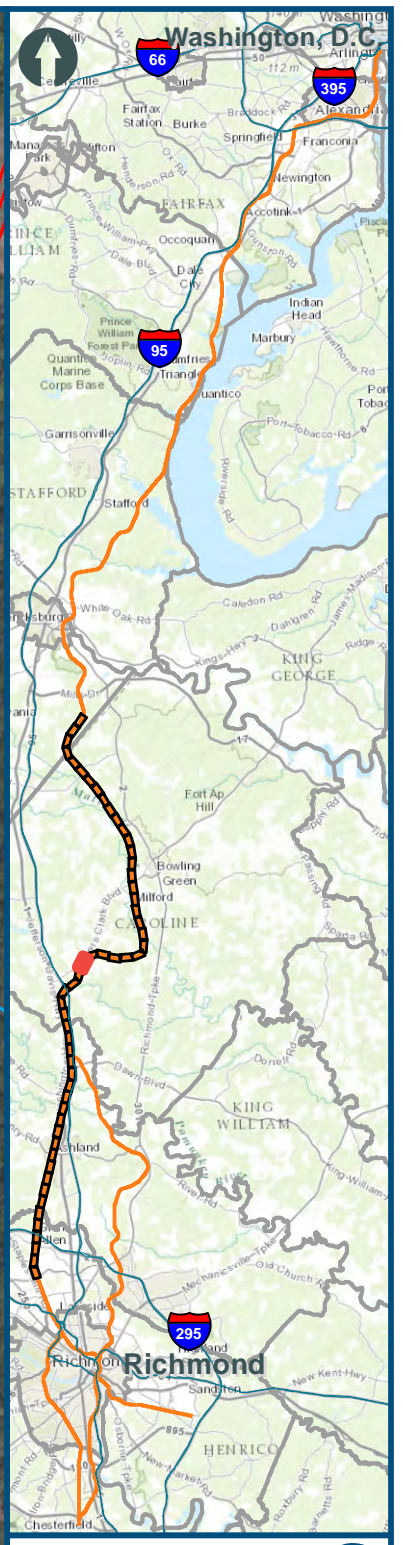
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-27
Central Virginia
Unconstrained
Alternative 4
Alignment Option

\\dlismain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Cht6_Appendices_CEN_Alt4_Alignments_11x17.mxd | Last Updated: 11.02.2015

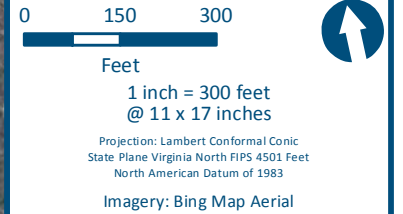
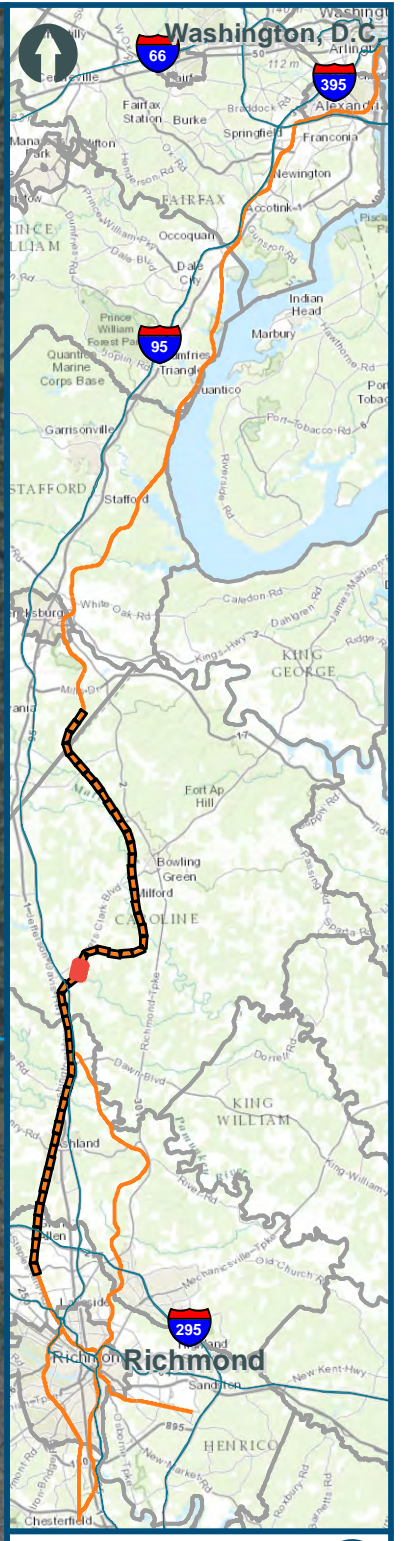


0 150 300
Feet
1 inch = 300 feet @ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-28
Central Virginia
Unconstrained
Alternative 4
Alignment Option

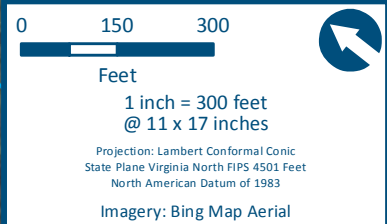
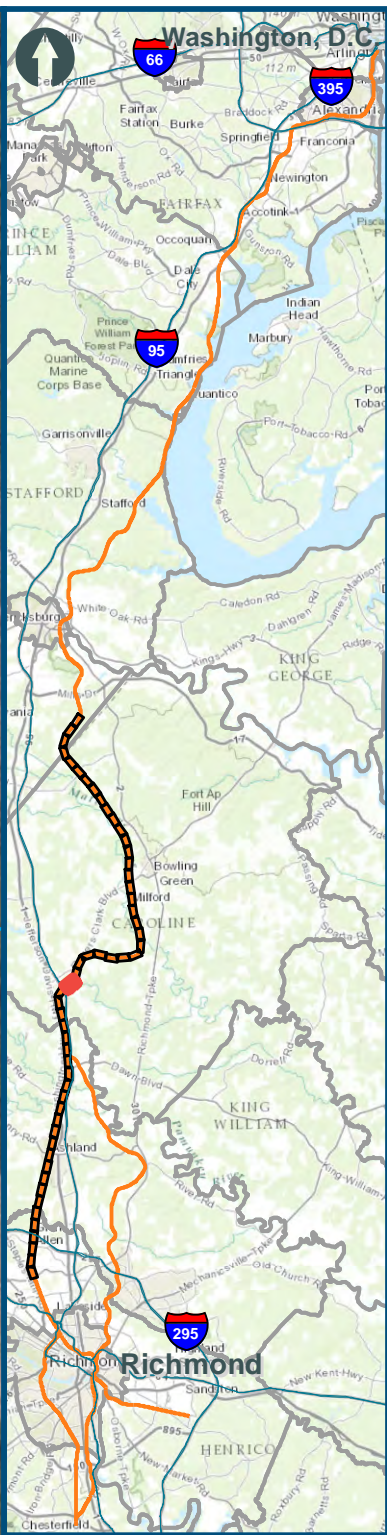
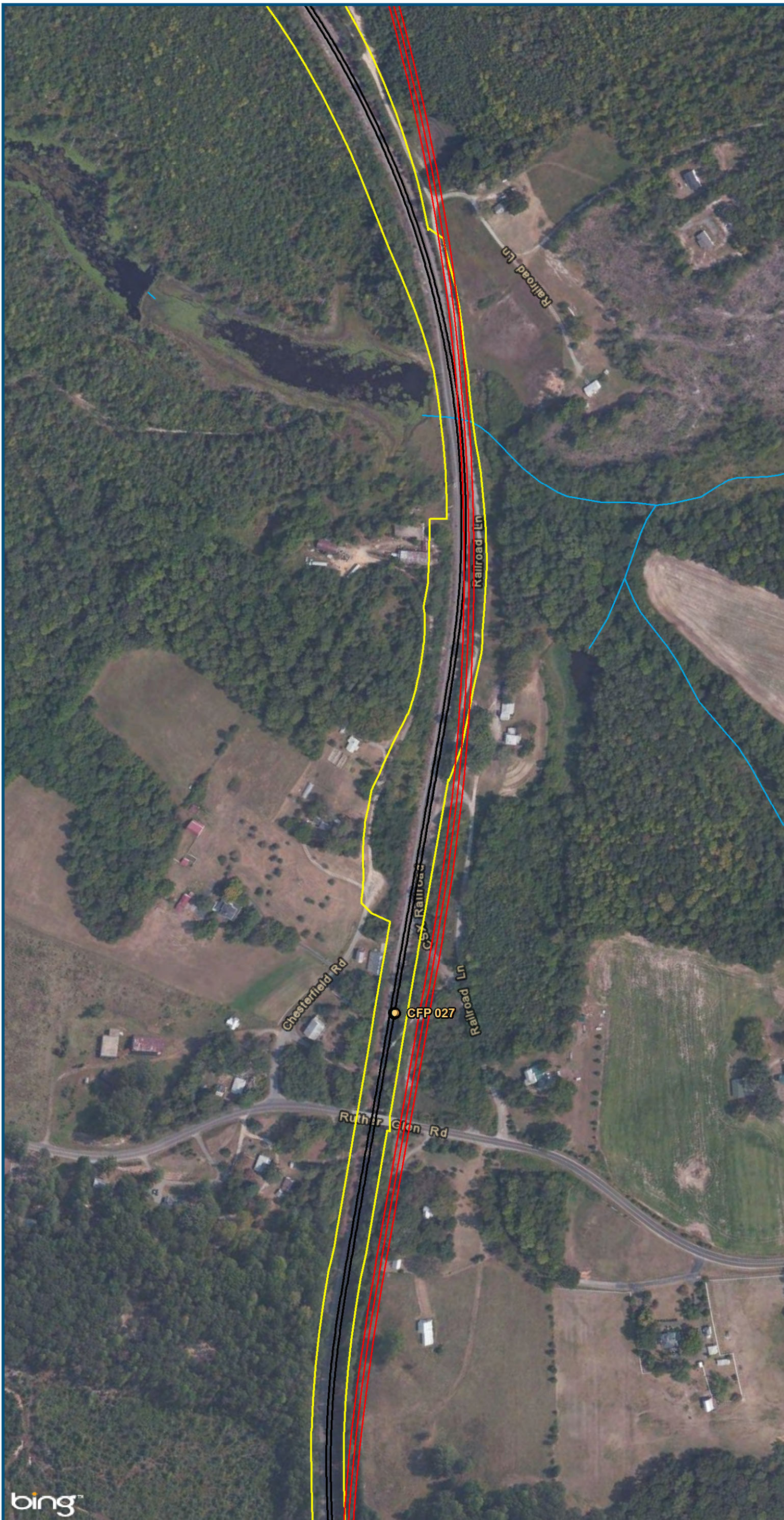
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-29
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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


- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

Figure O-30
Central Virginia
Unconstrained
Alternative 4
Alignment Option

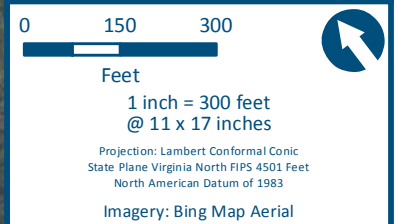
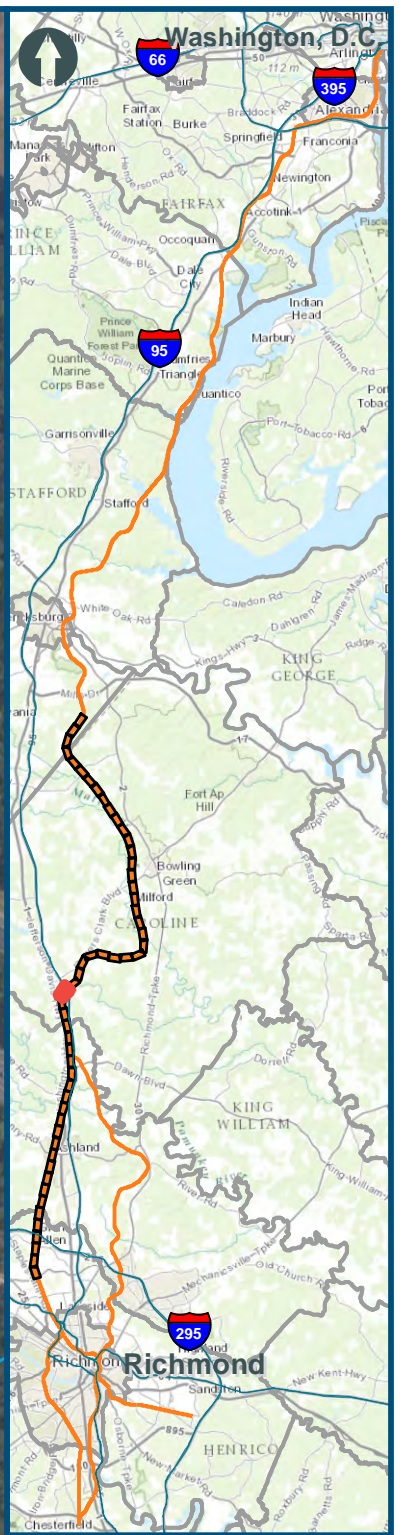


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



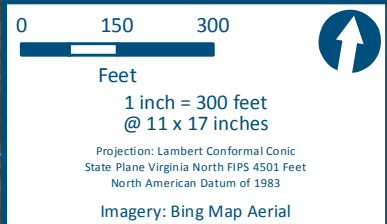
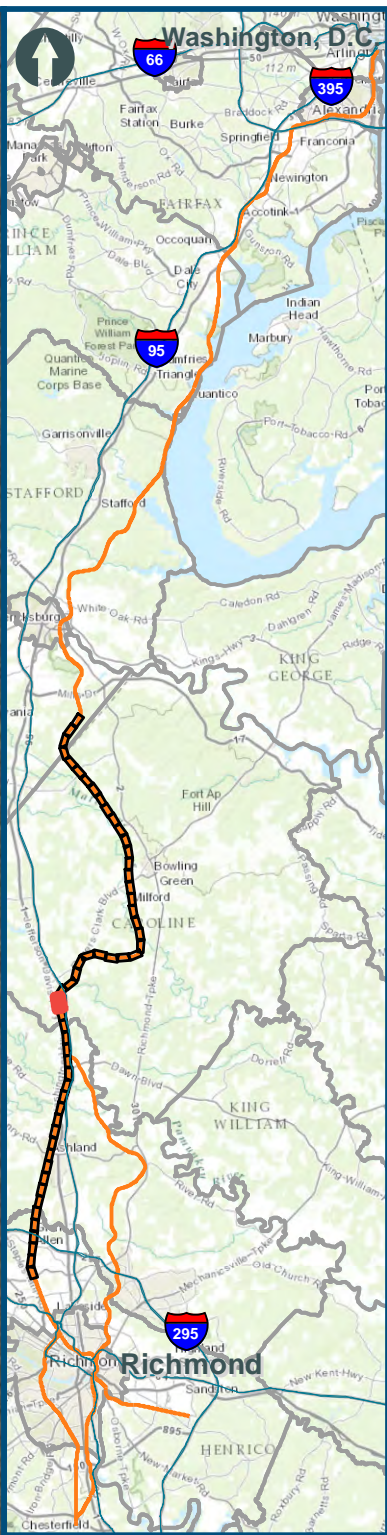
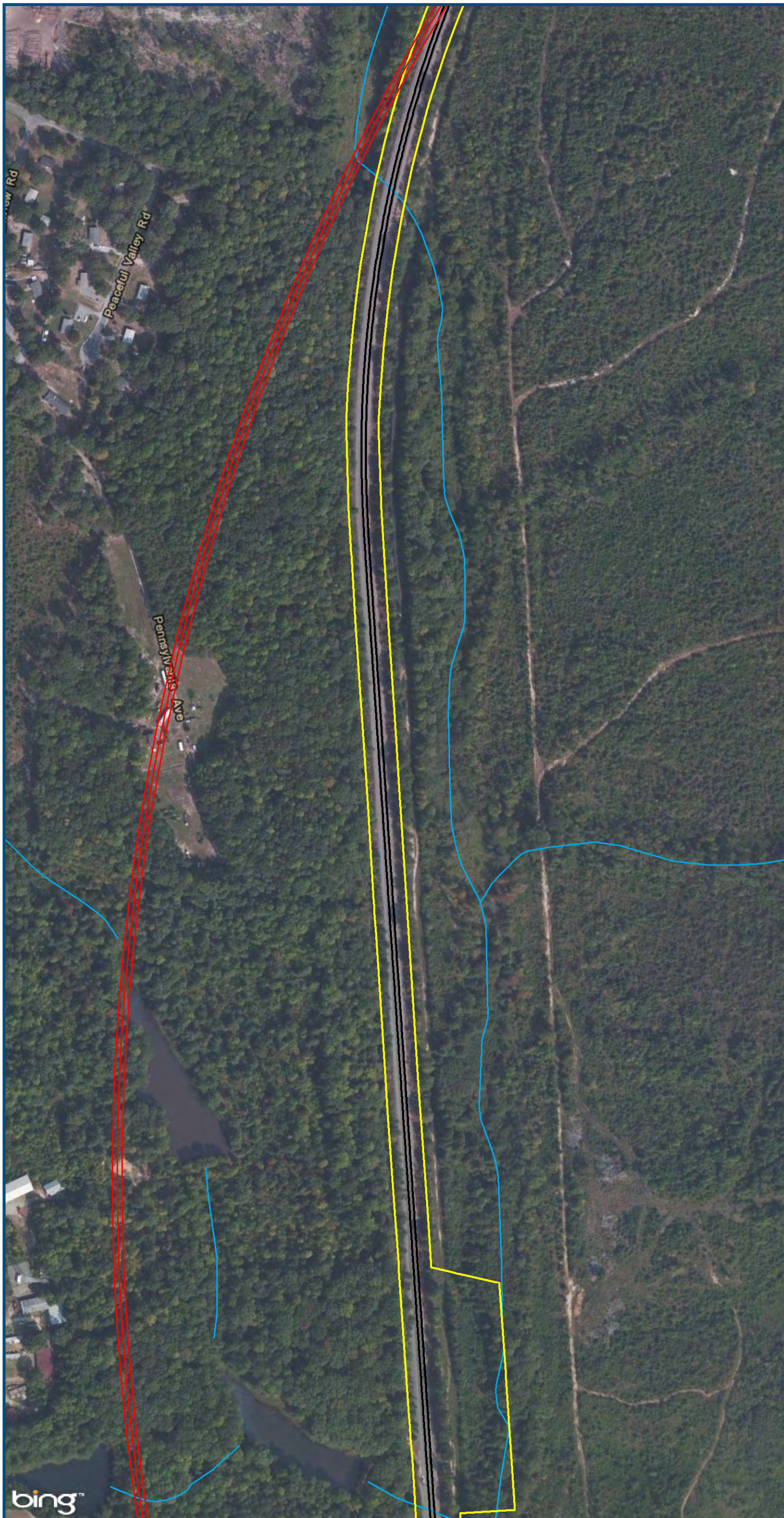
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

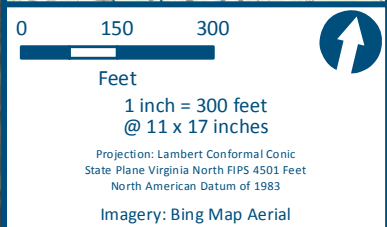
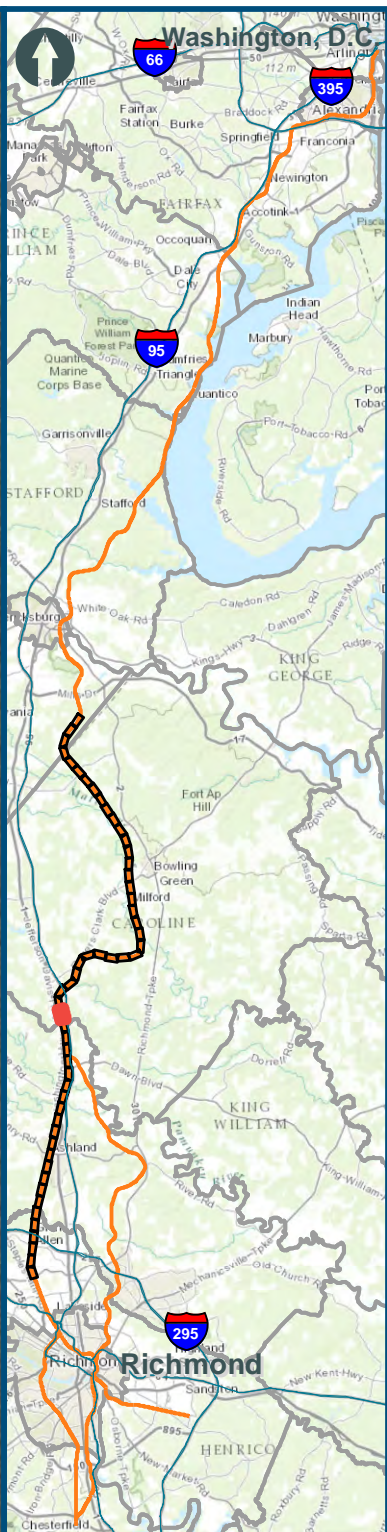
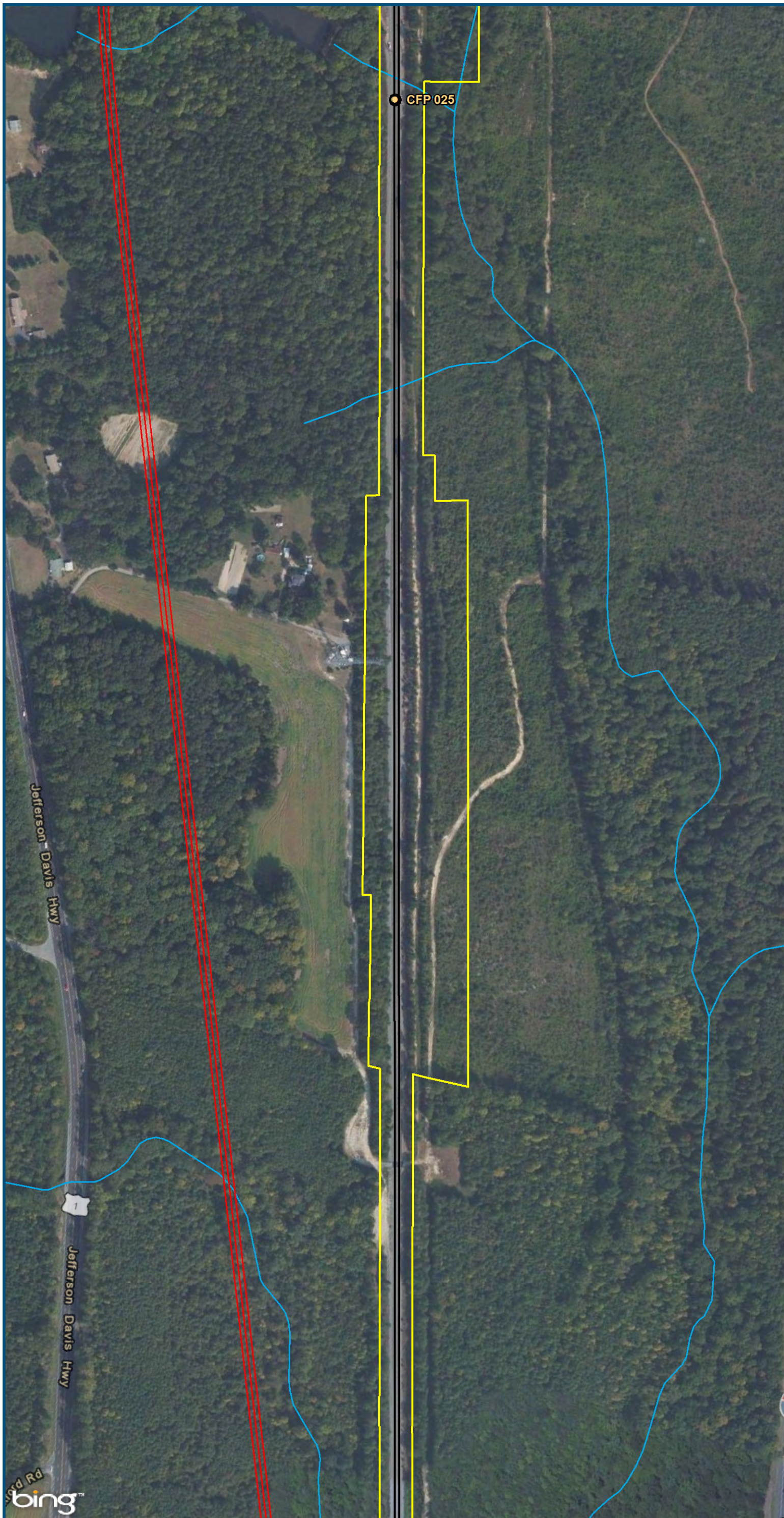
Figure O-31
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

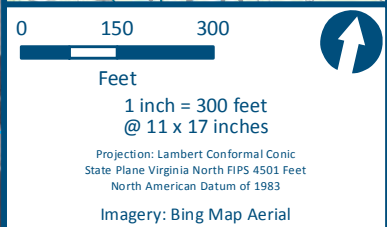
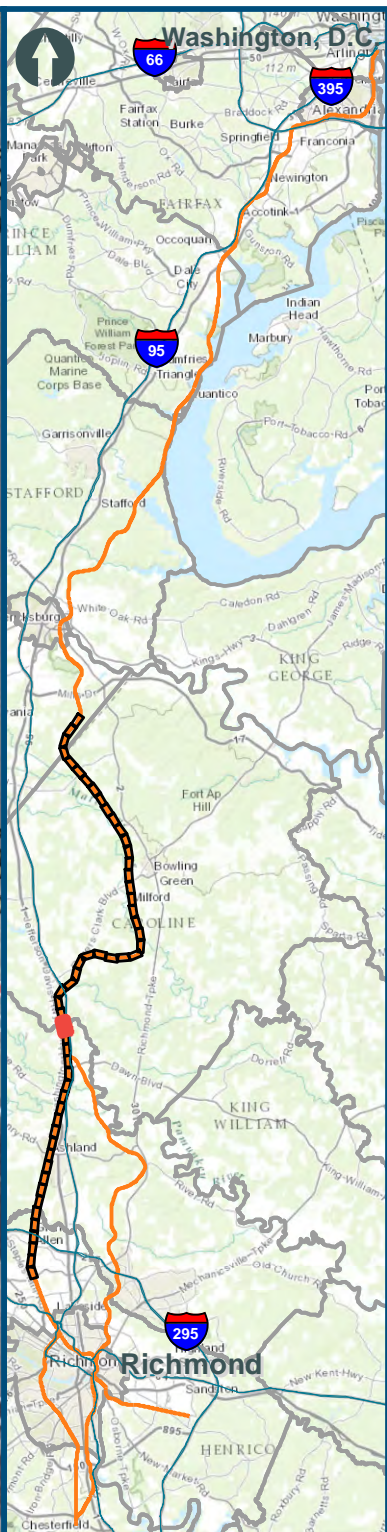
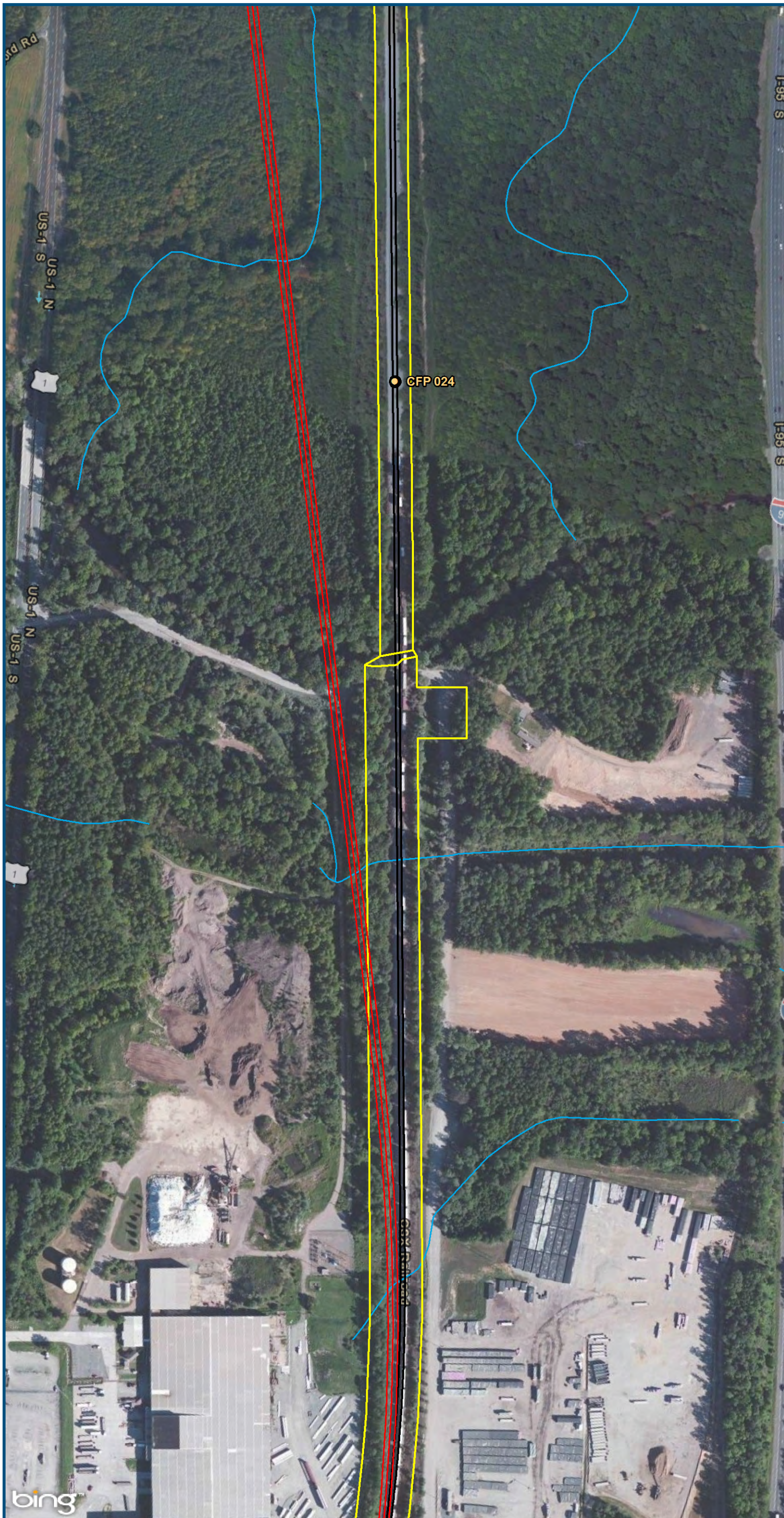
Figure O-32
Central Virginia
Unconstrained
Alternative 4
Alignment Option



- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

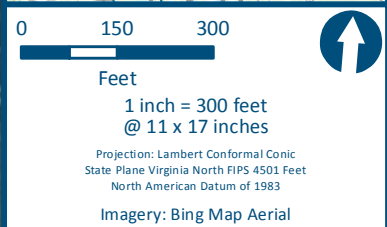
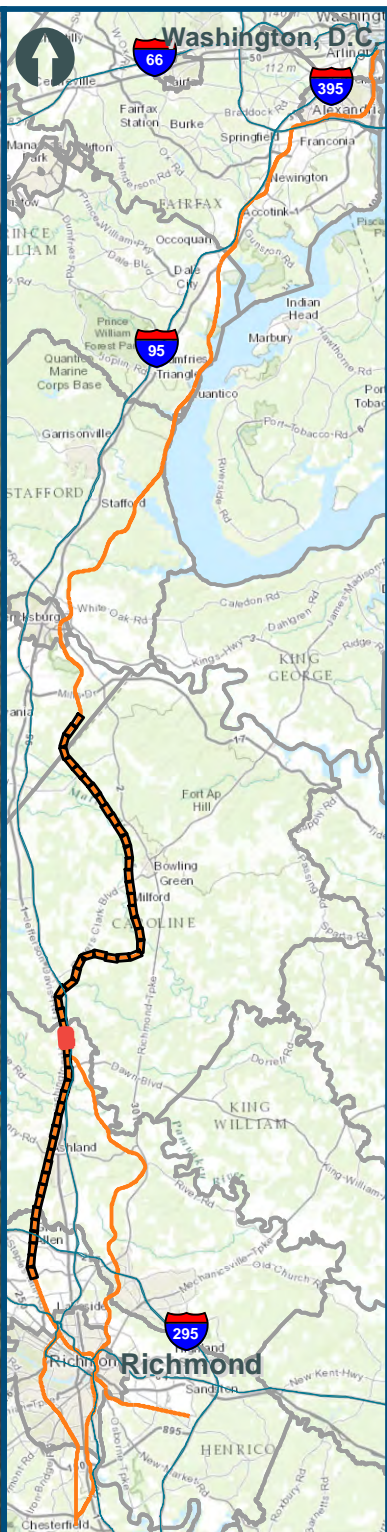
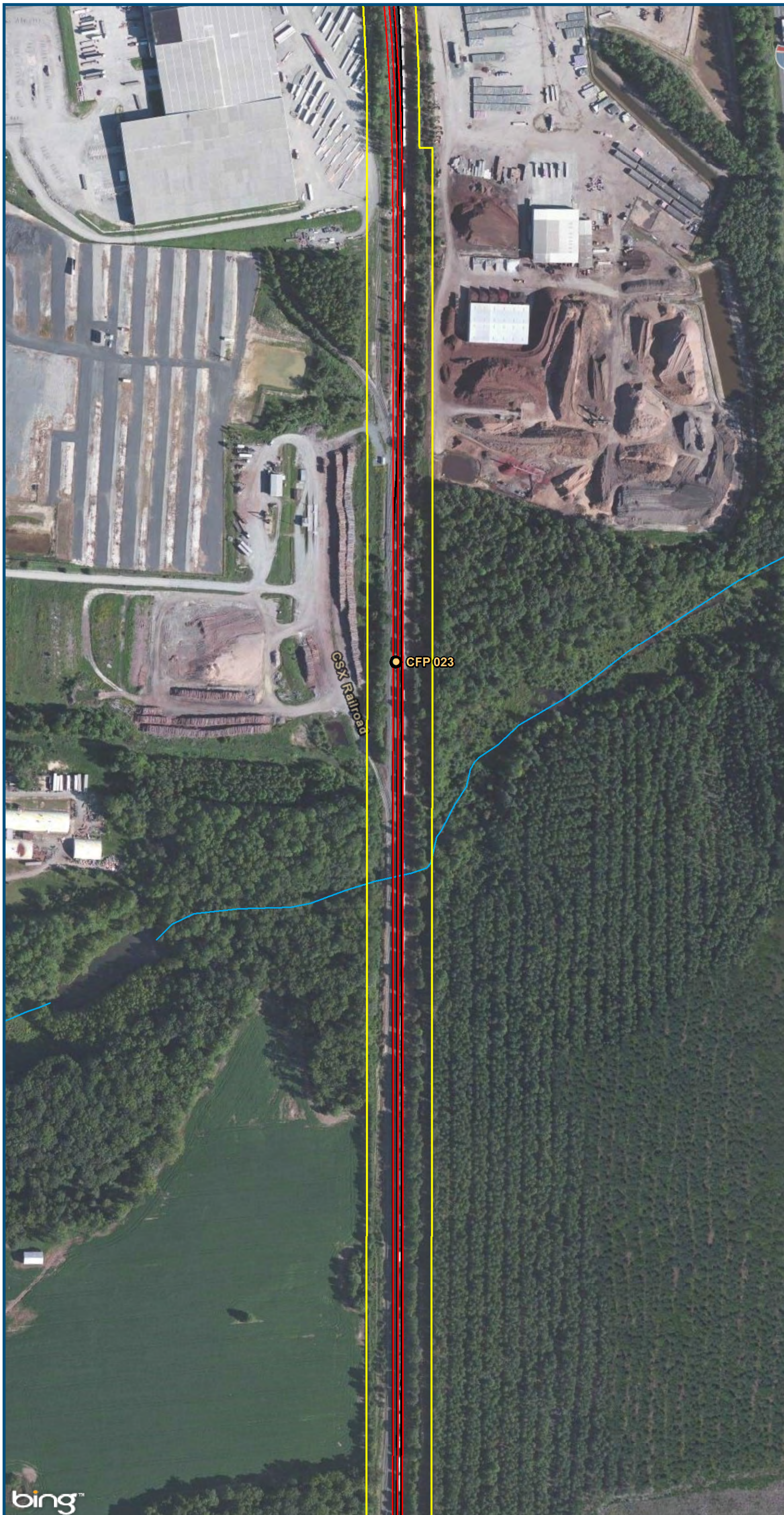
Figure O-33
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

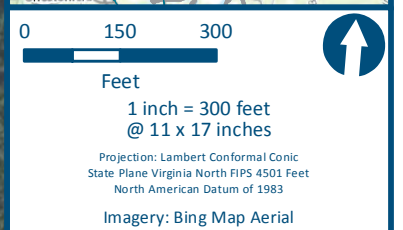
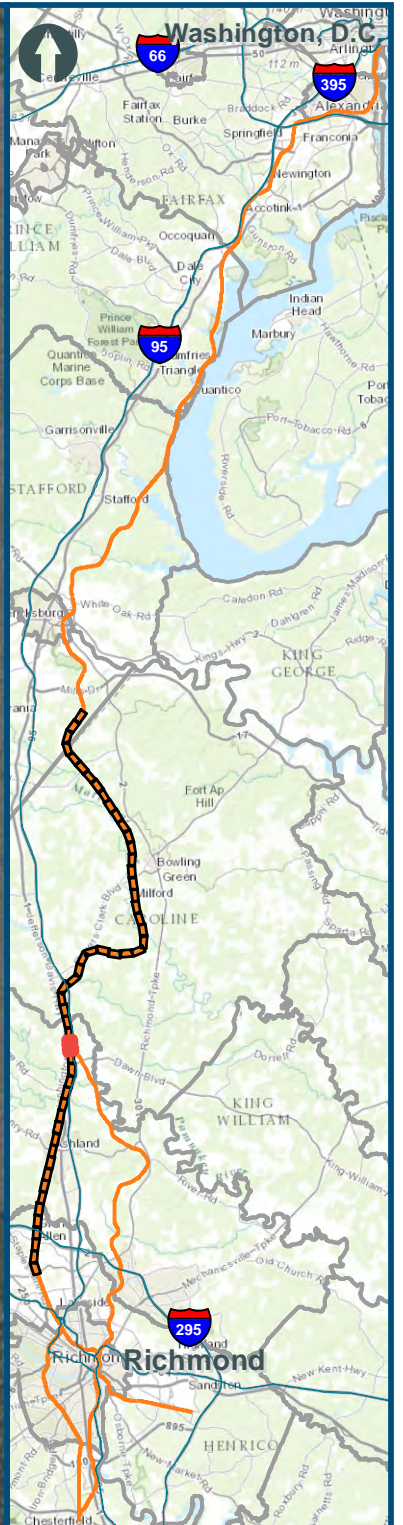
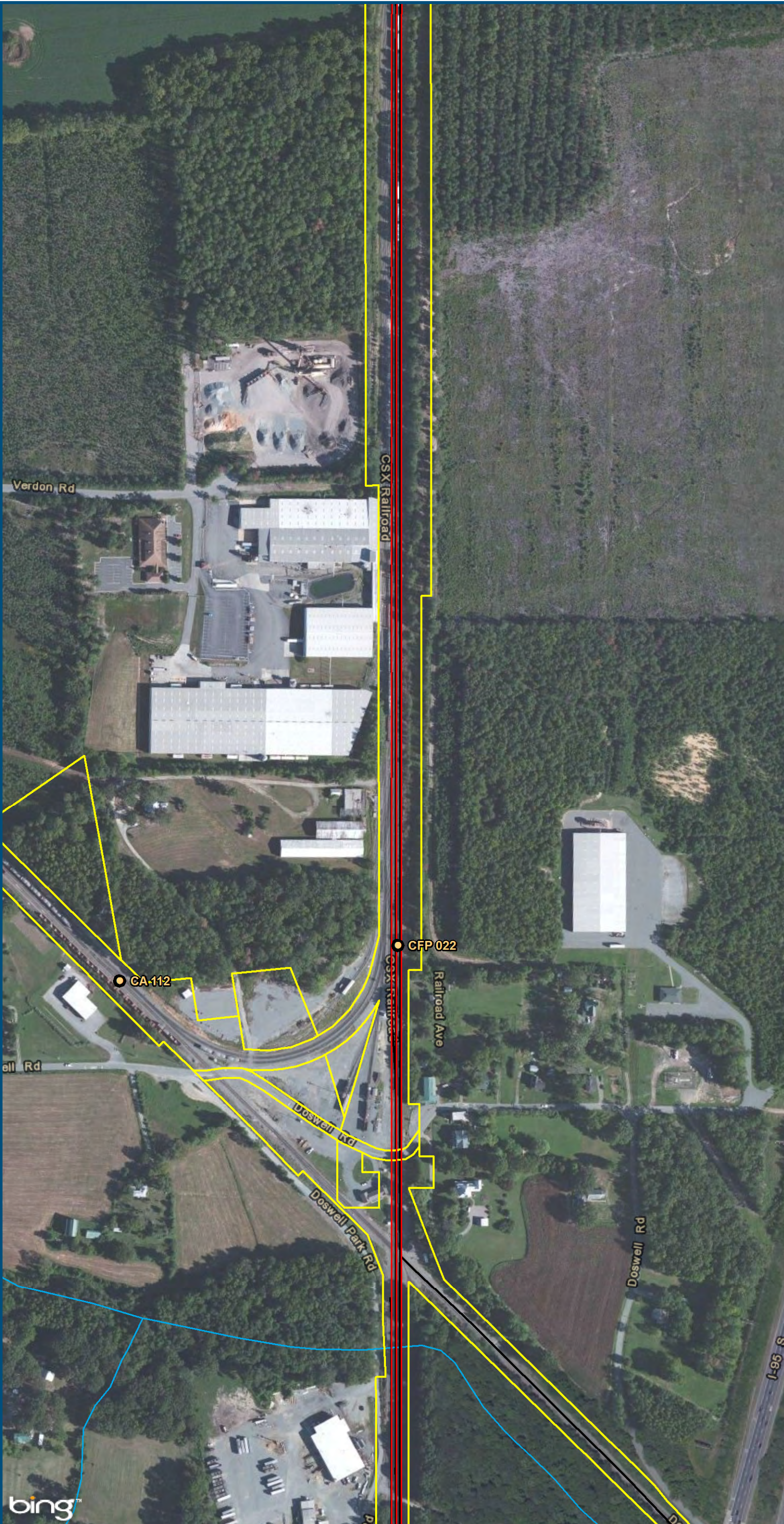
Figure O-34
Central Virginia
Unconstrained
Alternative 4
Alignment Option



- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-35
Central Virginia
Unconstrained
Alternative 4
Alignment Option

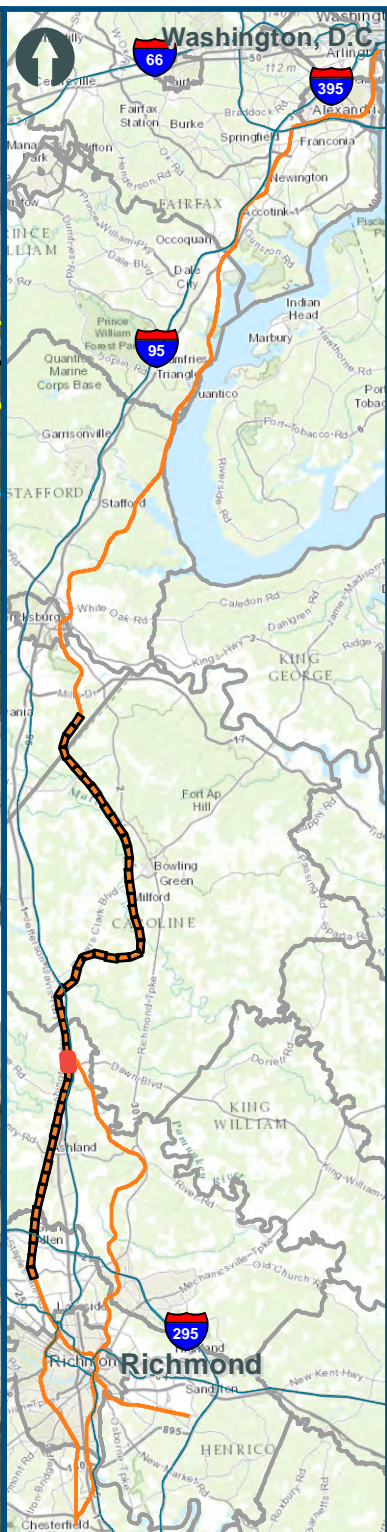
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-36
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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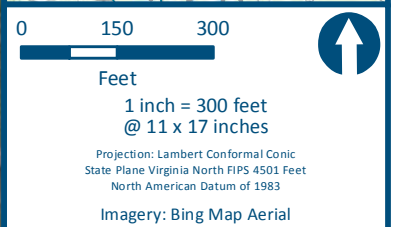
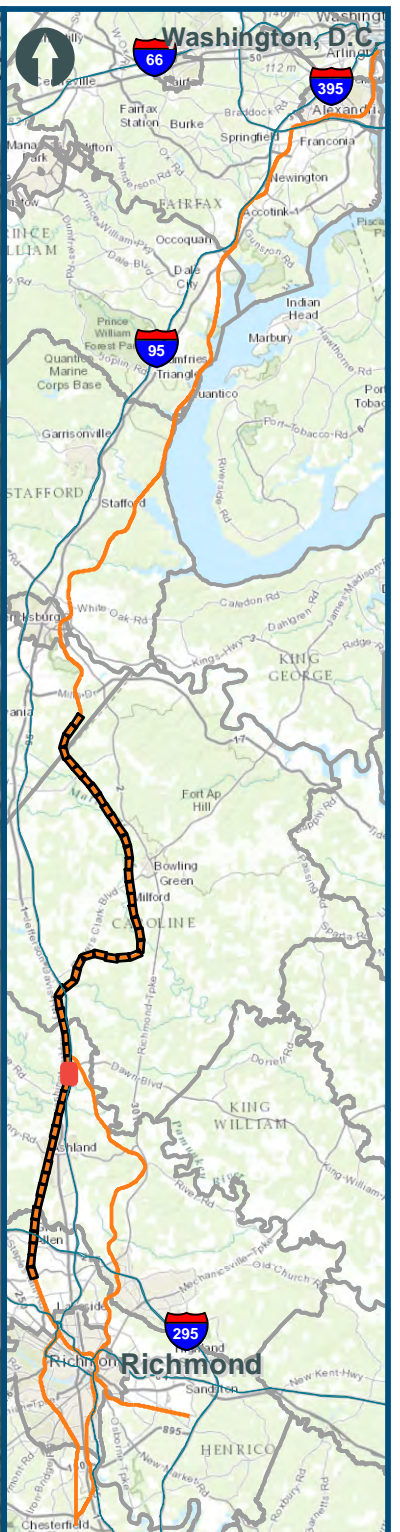
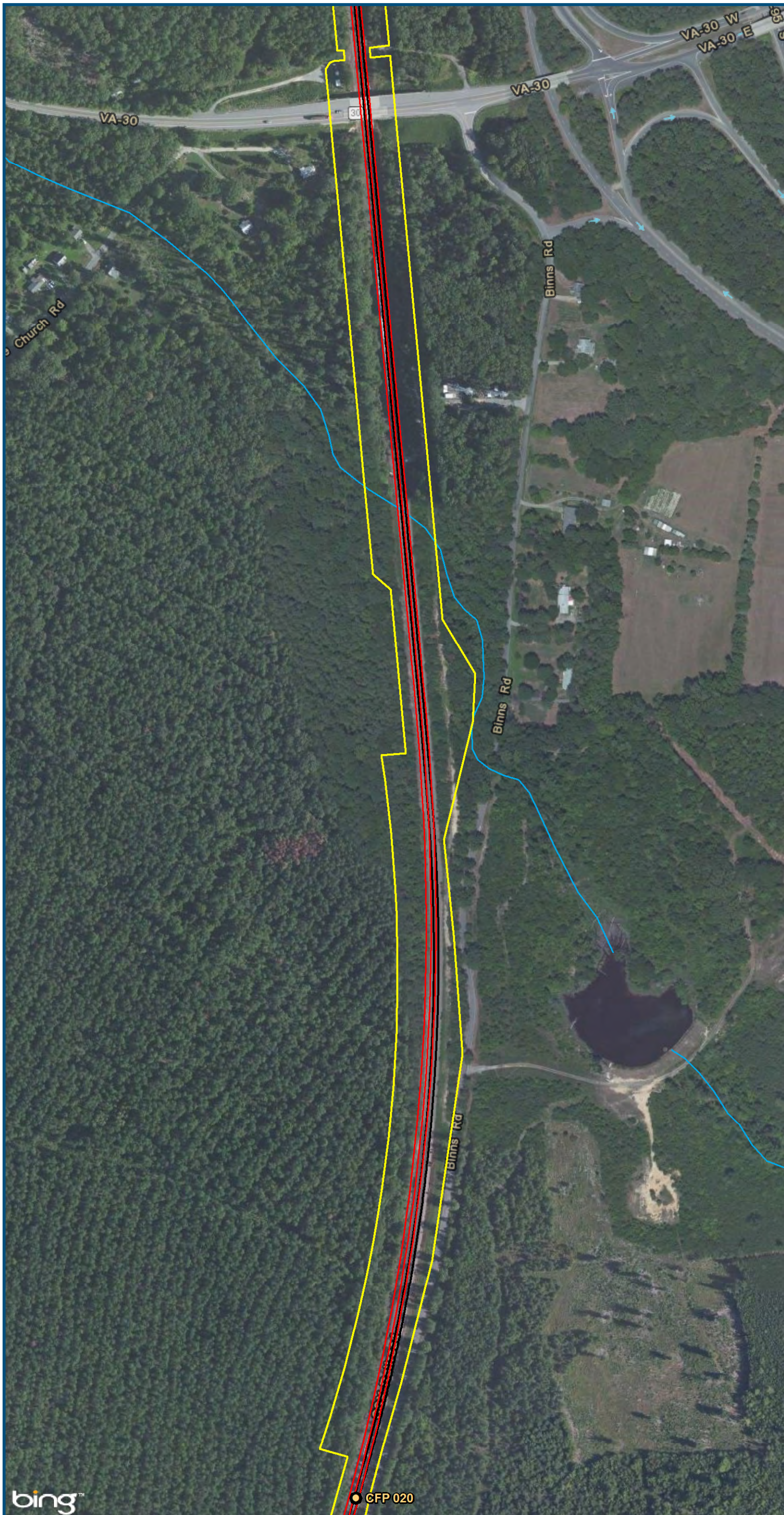


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-37
Central Virginia
Unconstrained
Alternative 4
Alignment Option

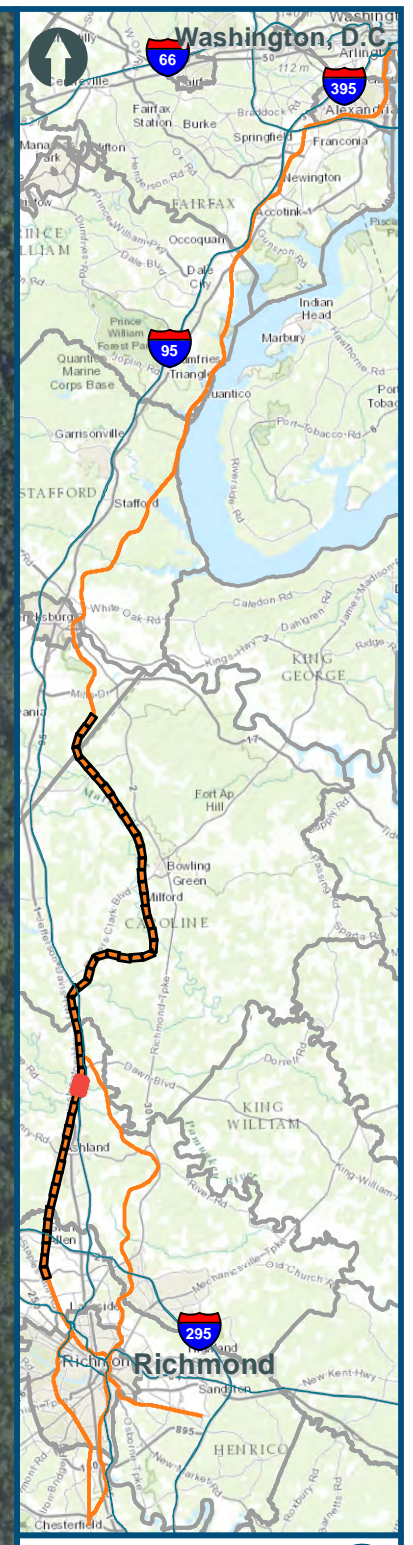
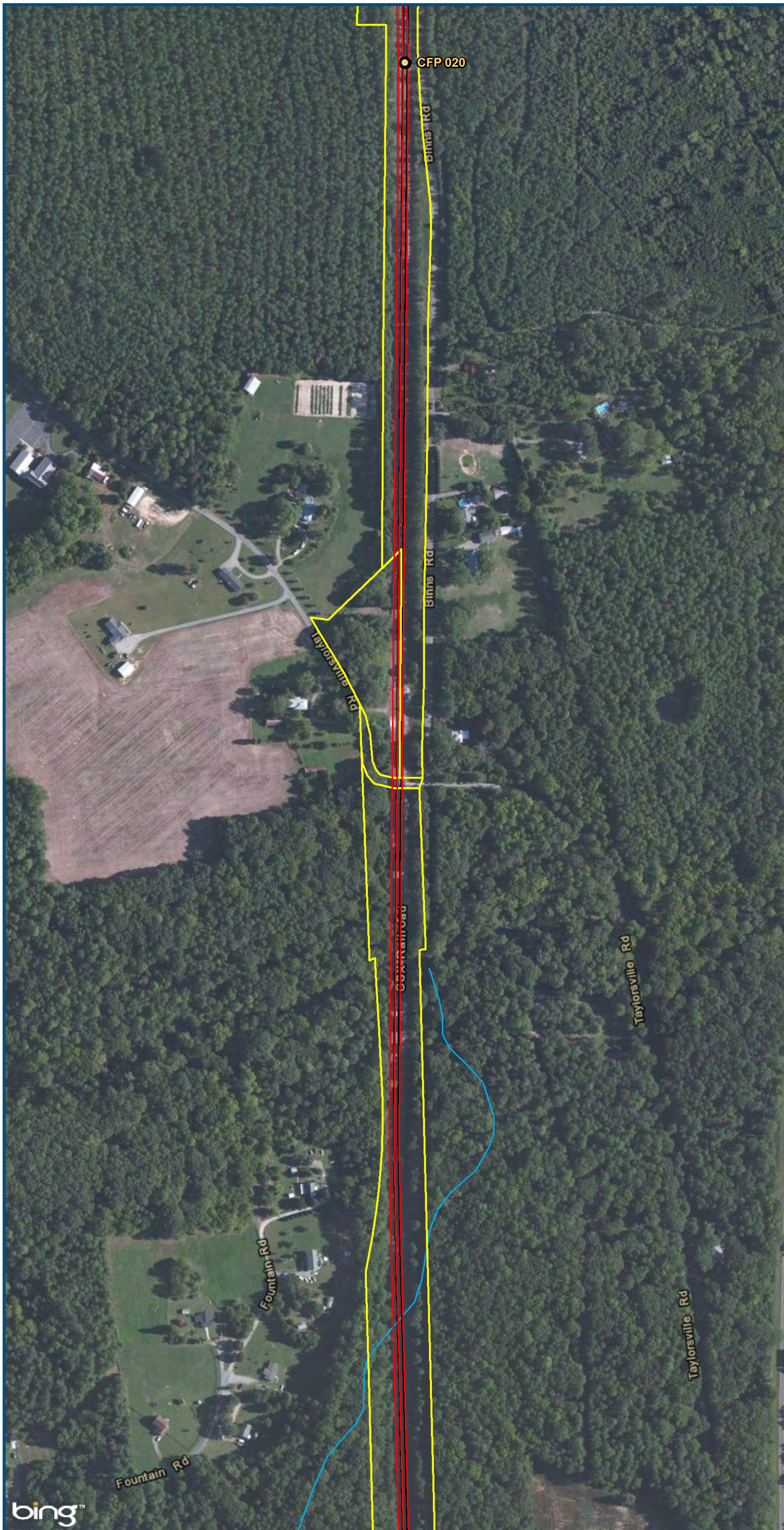
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-38
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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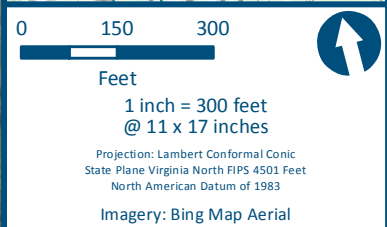
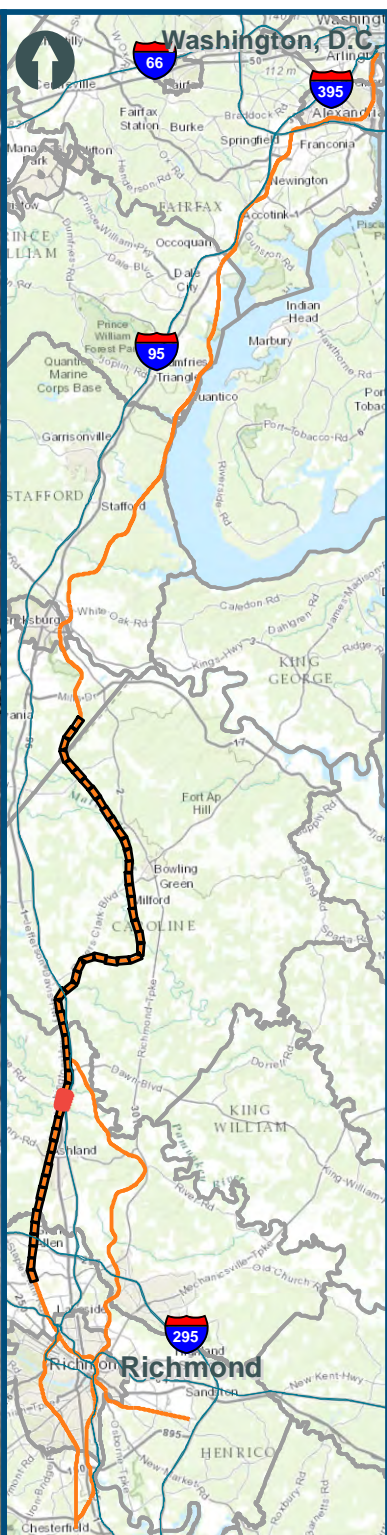
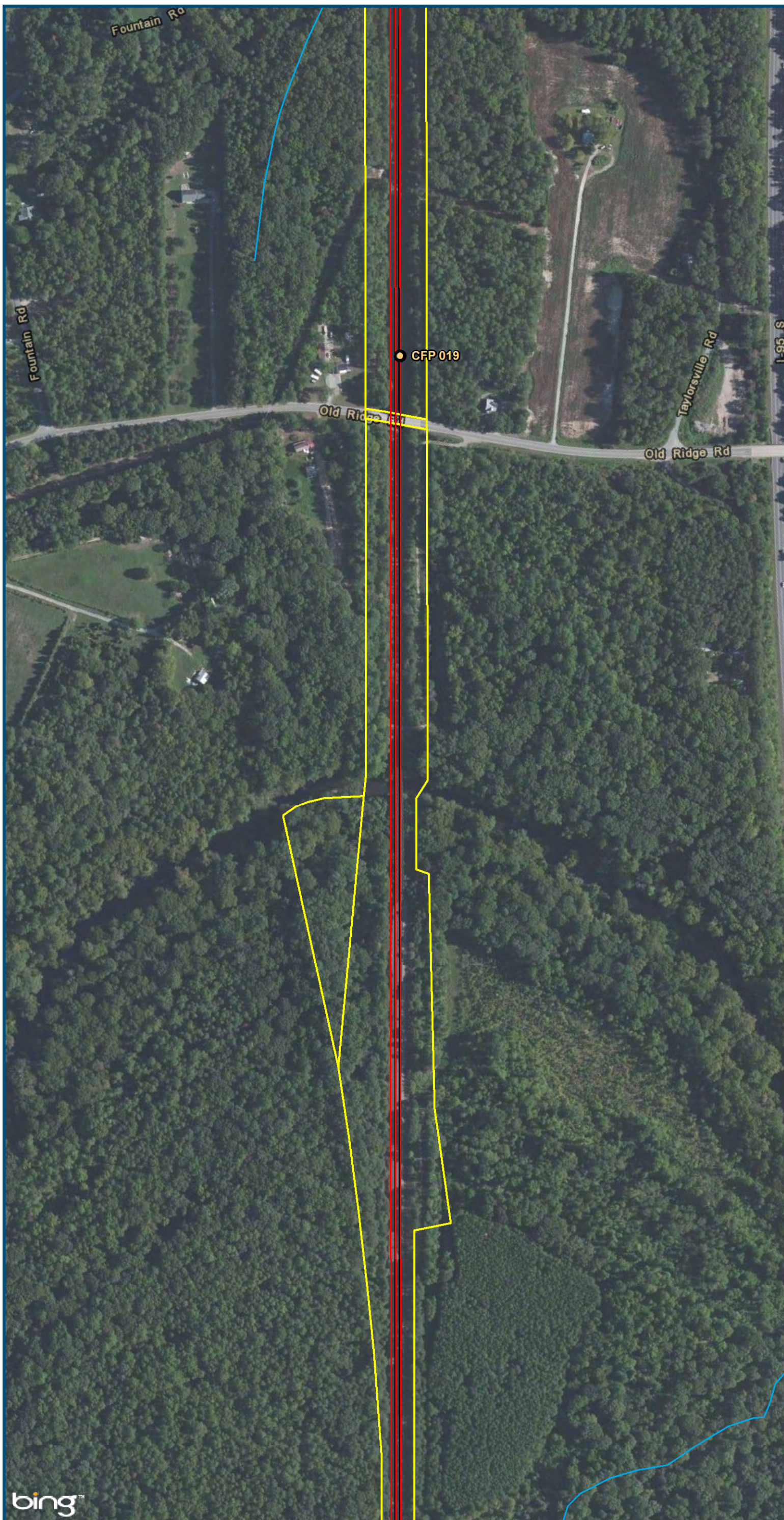


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-39
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-40
Central Virginia
Unconstrained
Alternative 4
Alignment Option

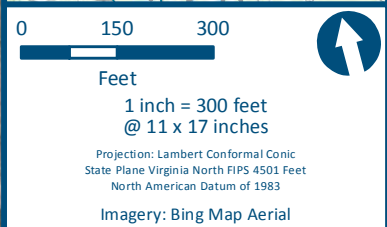
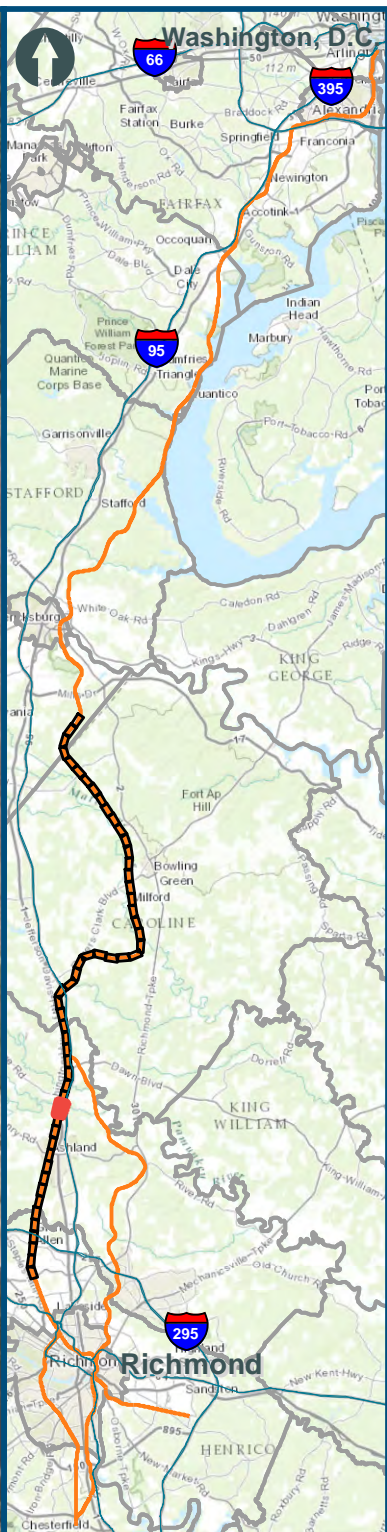
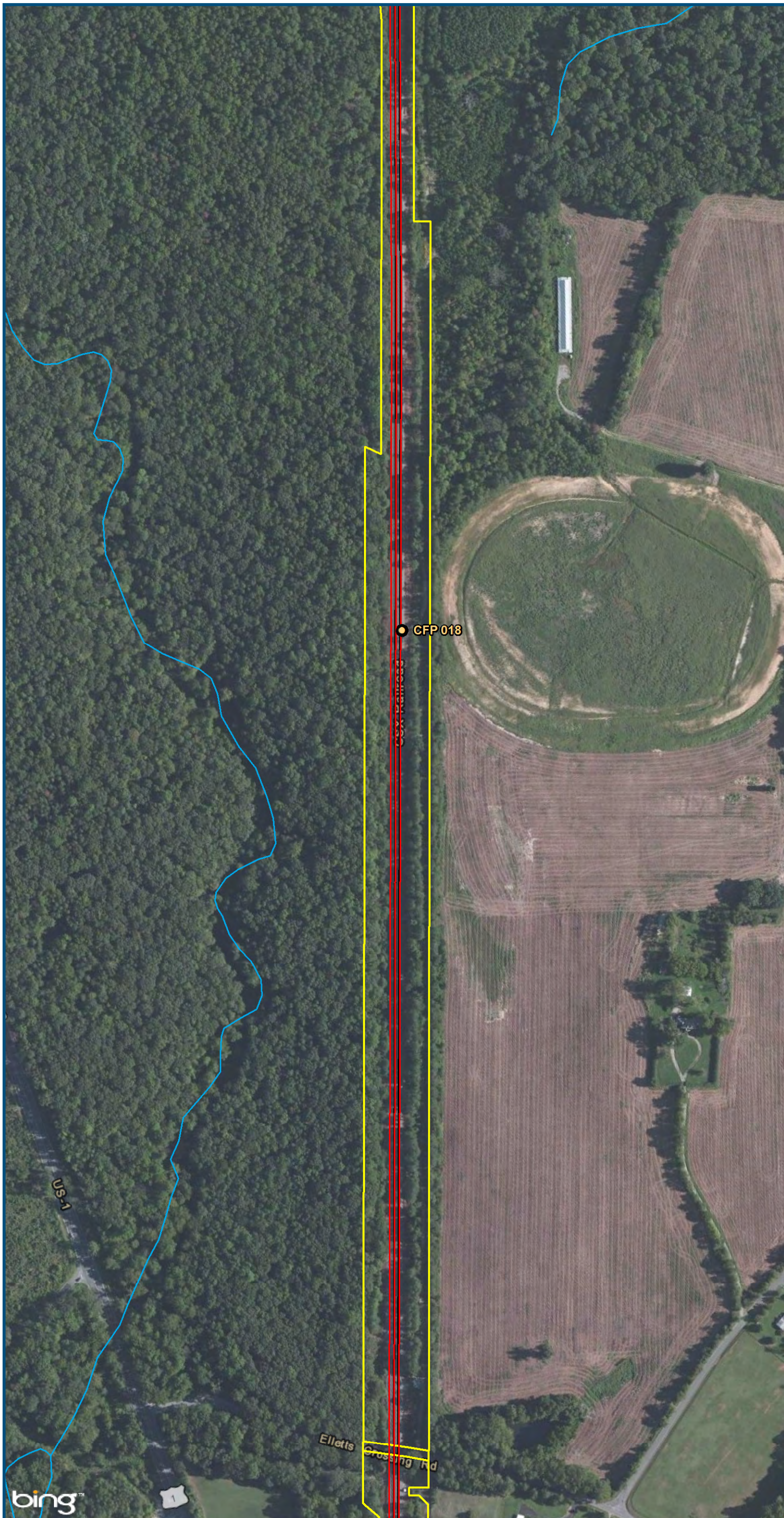


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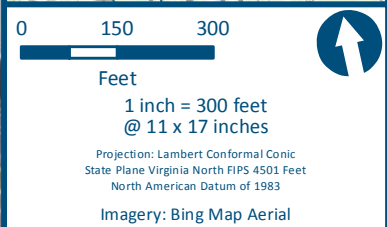
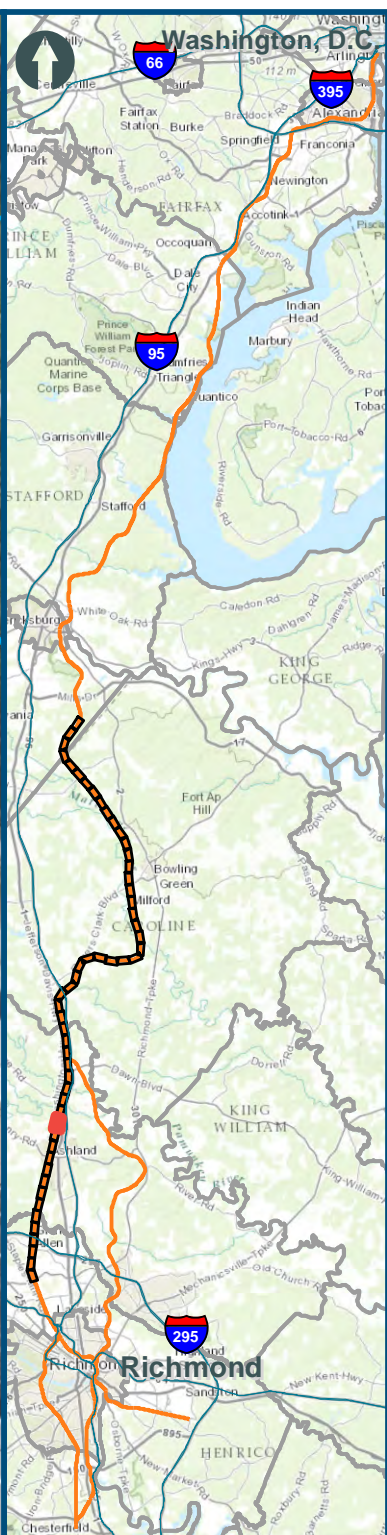
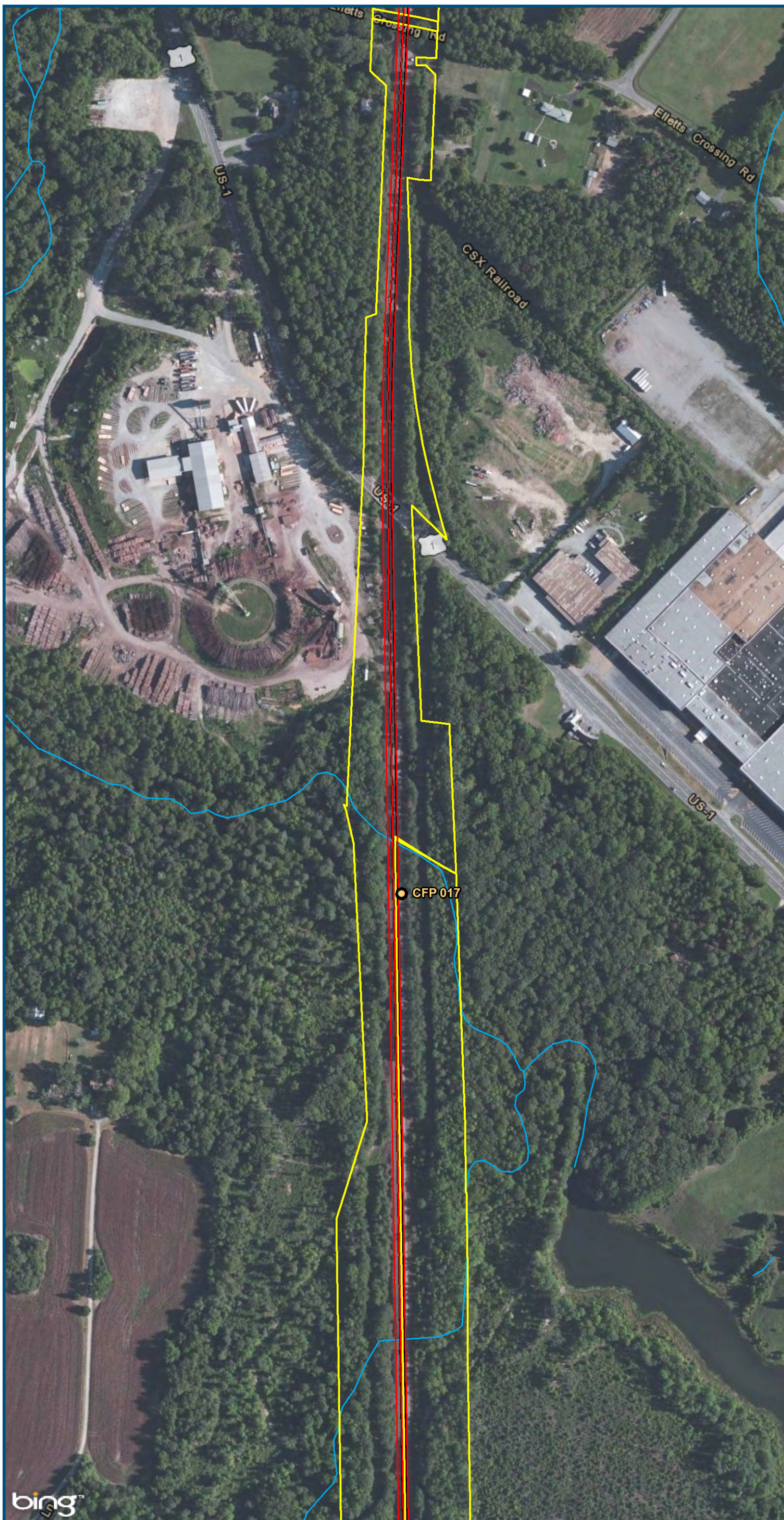


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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

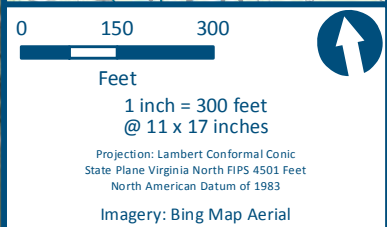
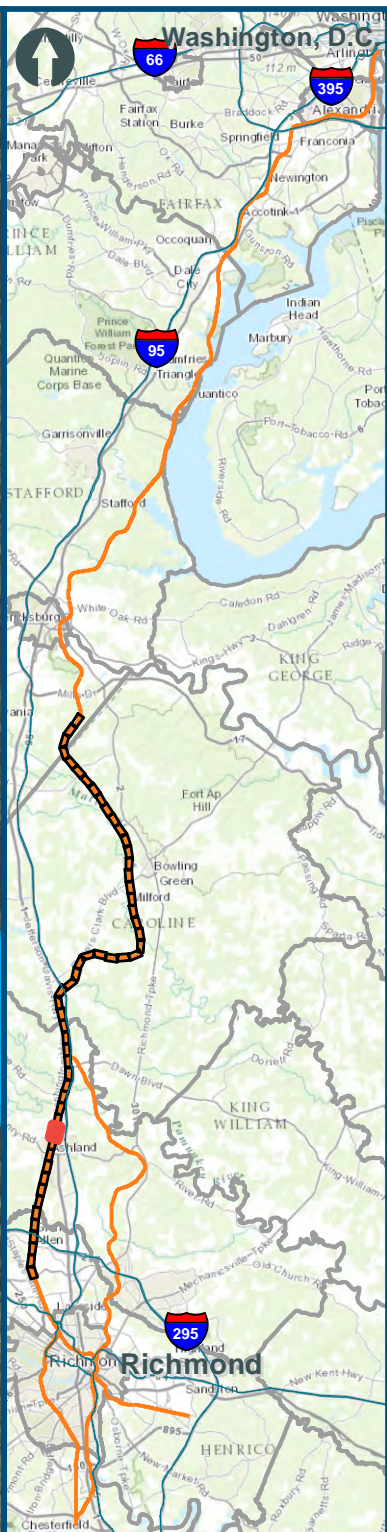
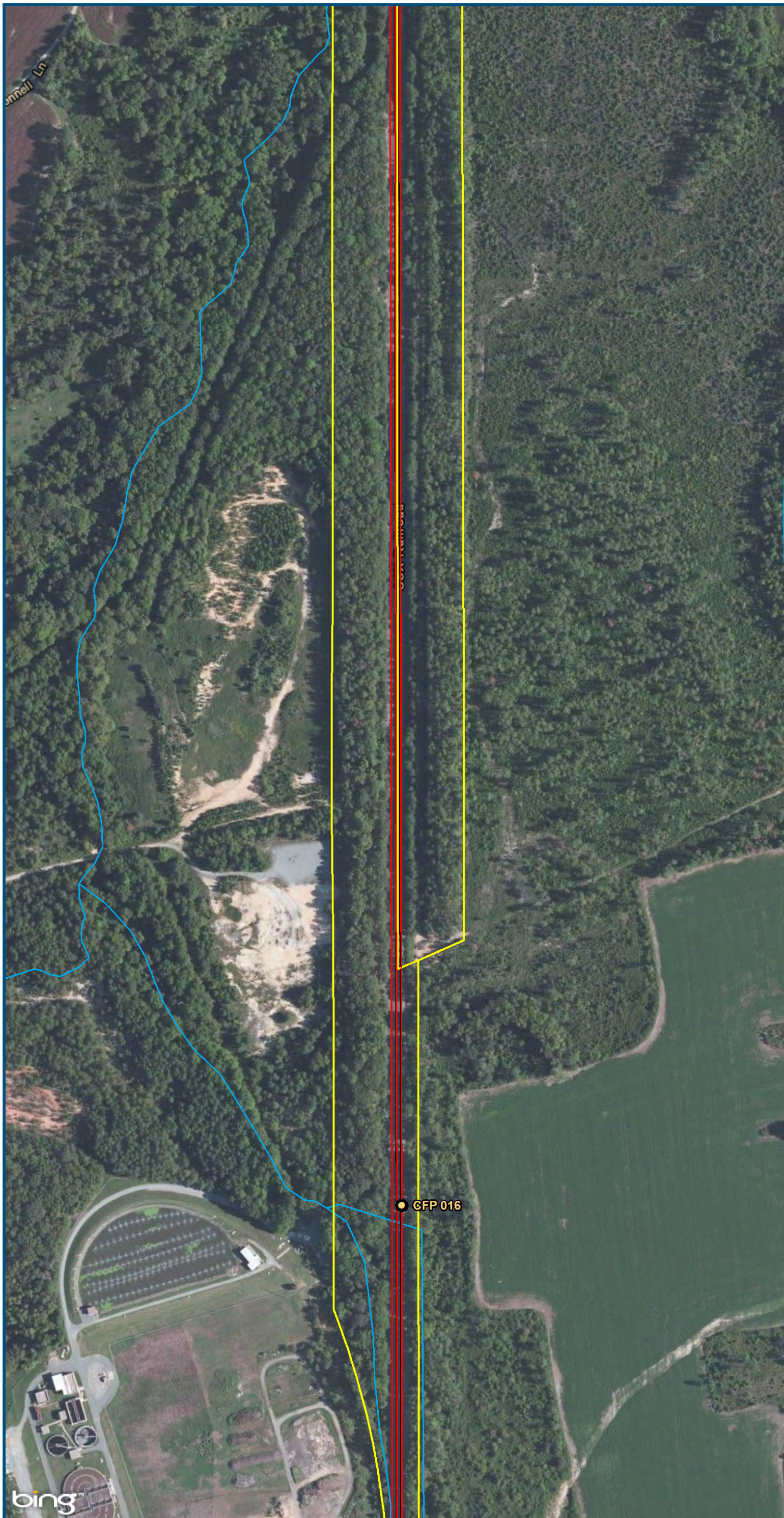
Figure O-41
Central Virginia
Unconstrained
Alternative 4
Alignment Option



- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-42
Central Virginia
Unconstrained
Alternative 4
Alignment Option

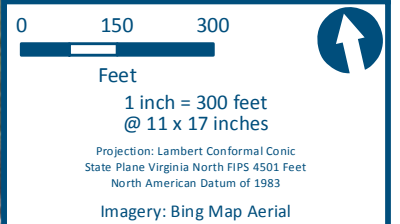
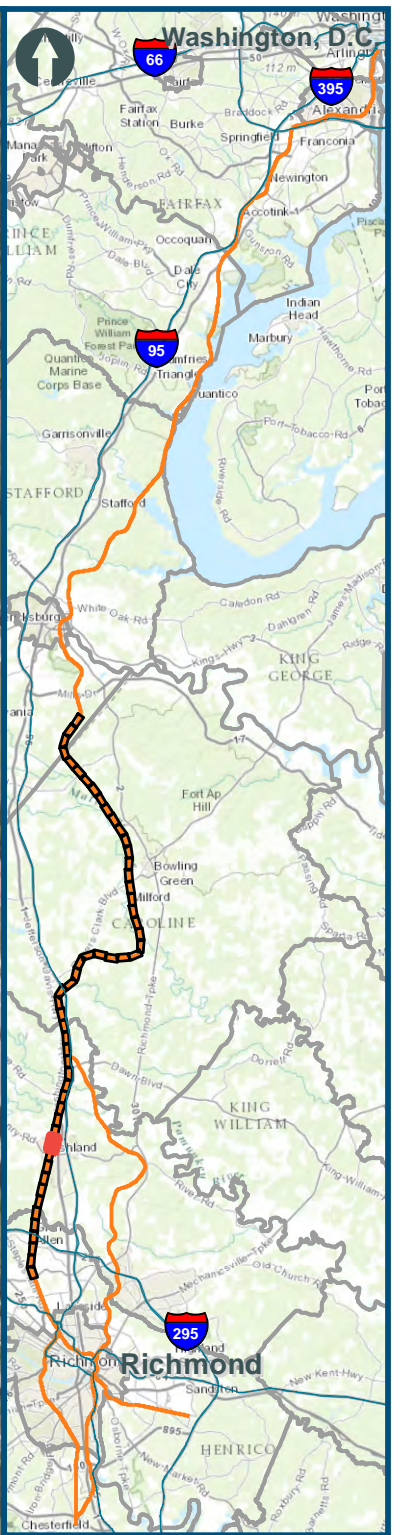
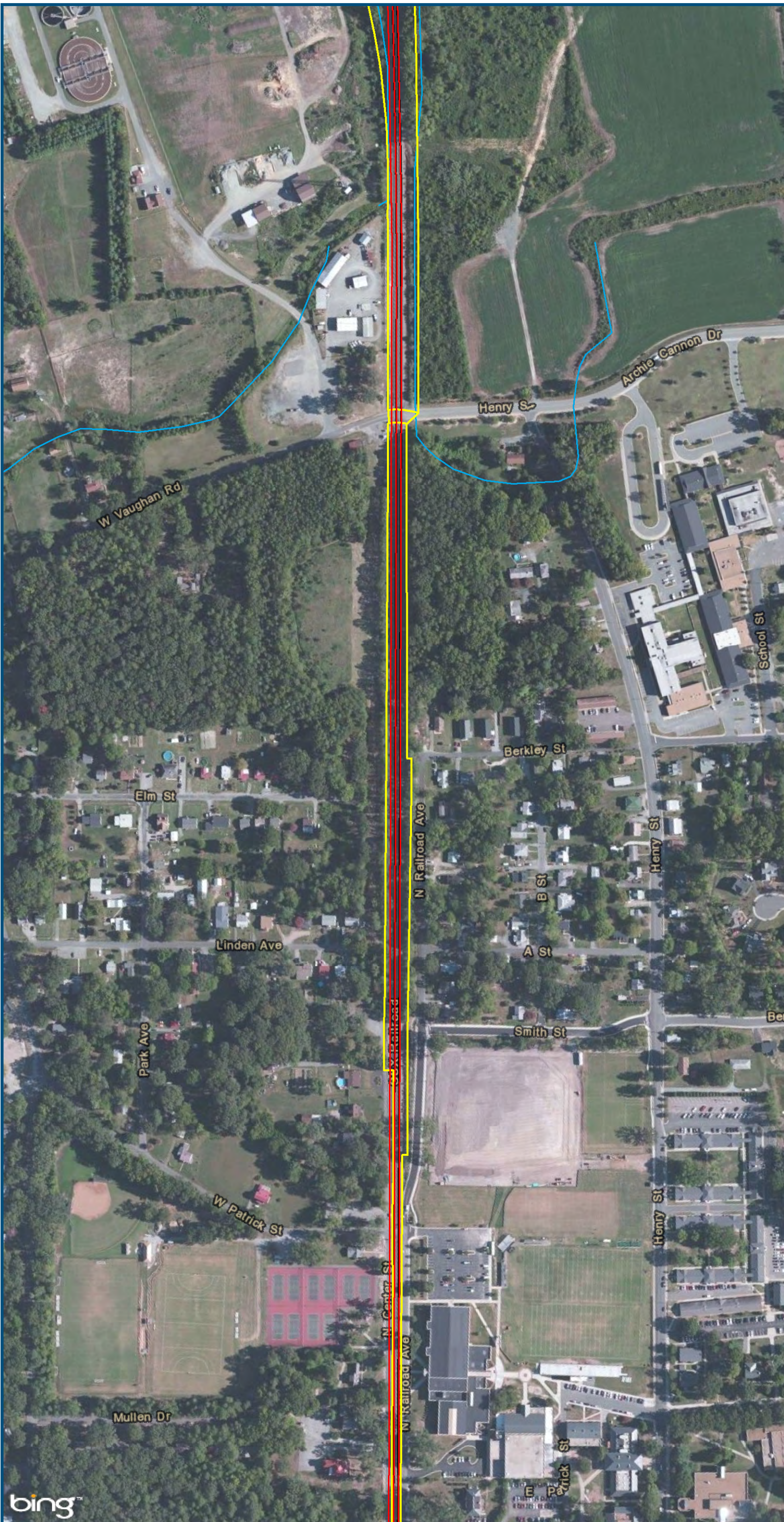
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-43
Central Virginia
Unconstrained
Alternative 4
Alignment Option

\\dlmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_CEN_Alt4_Alignments_11x17.mxd | Last Updated: 11.02.2015



- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-44
Central Virginia
Unconstrained
Alternative 4
Alignment Option

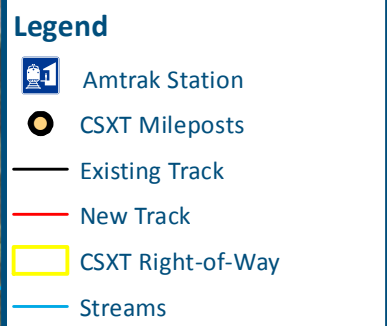
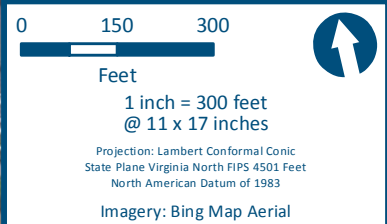
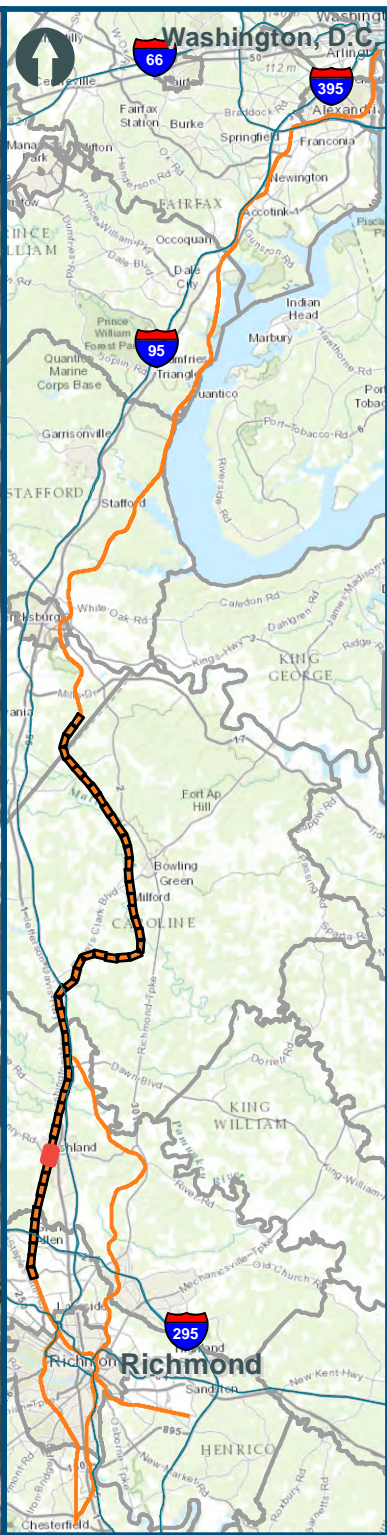
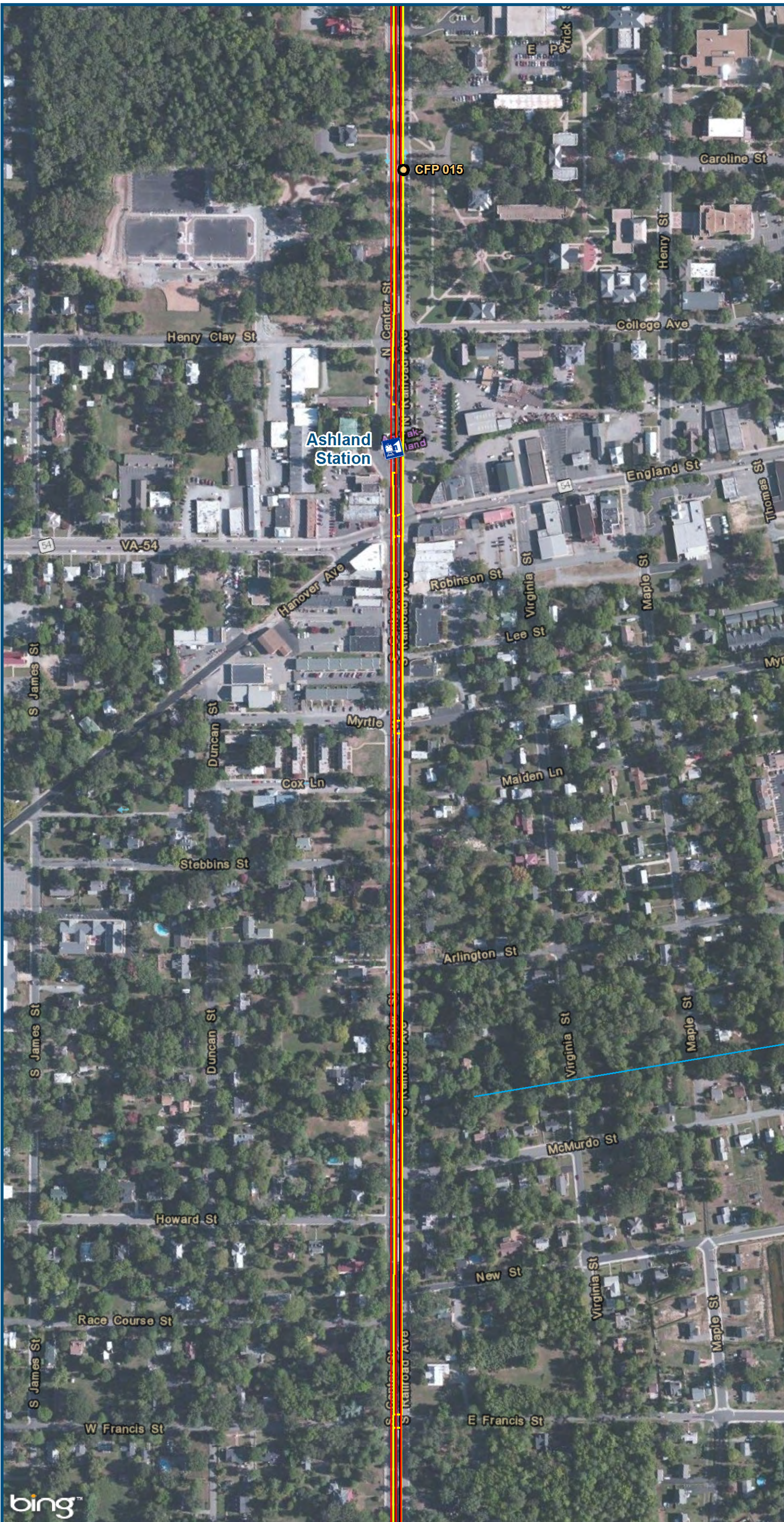
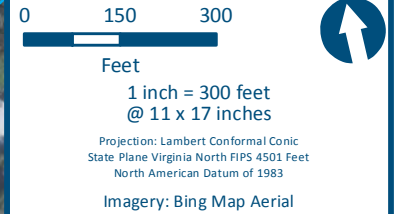
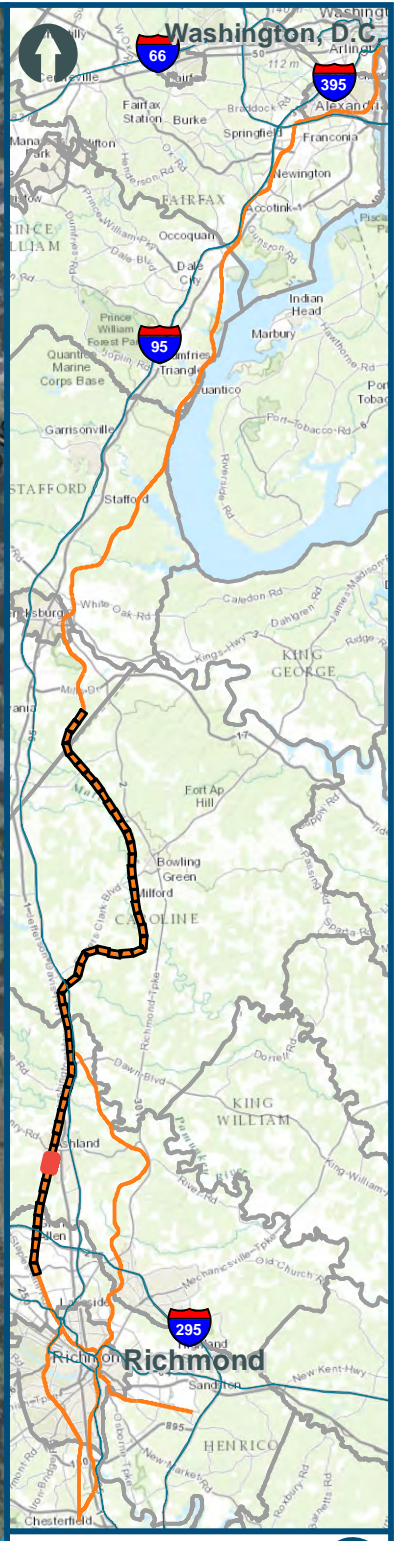
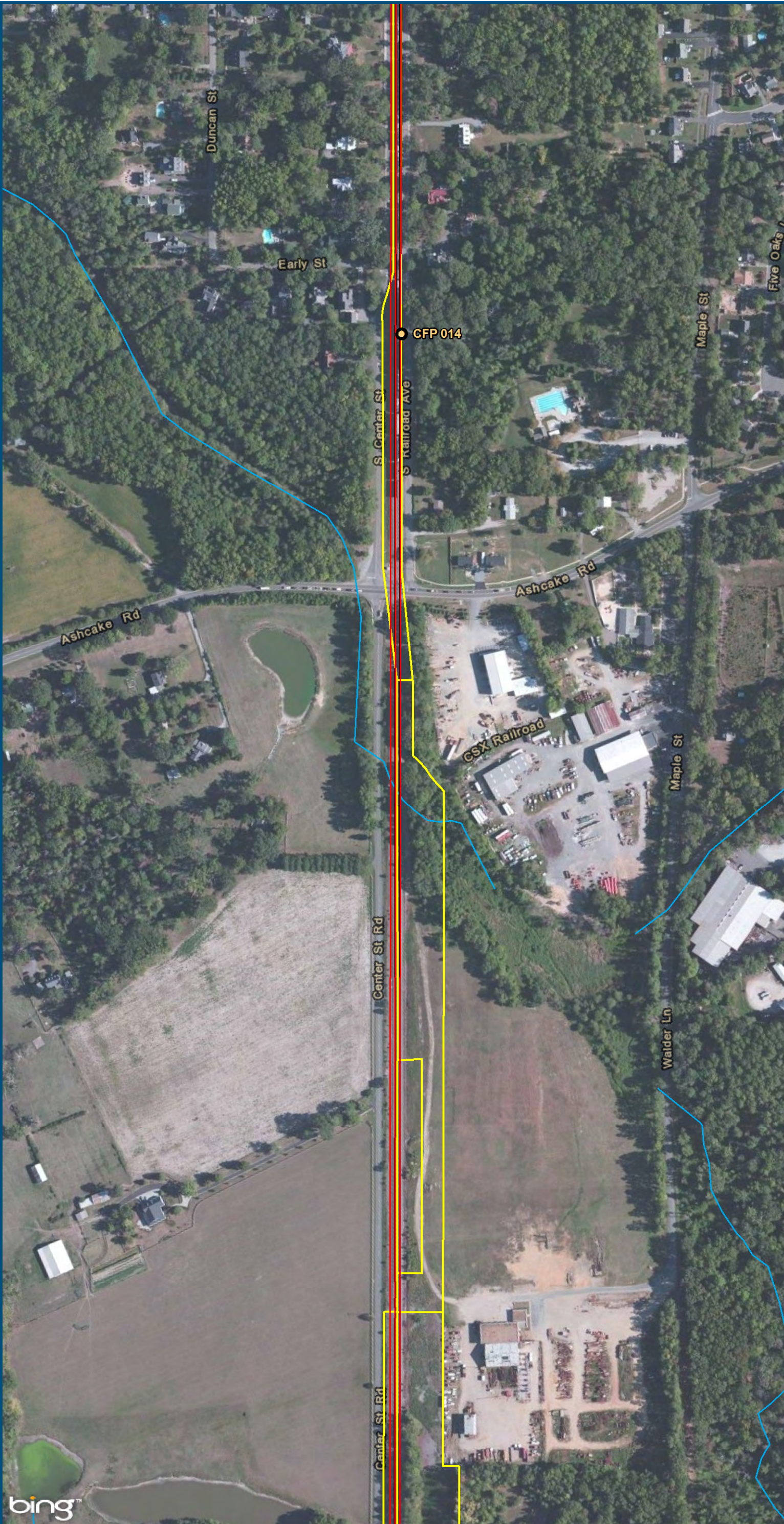


Figure O-45
Central Virginia
Unconstrained
Alternative 4
Alignment Option

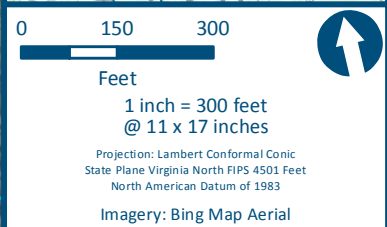
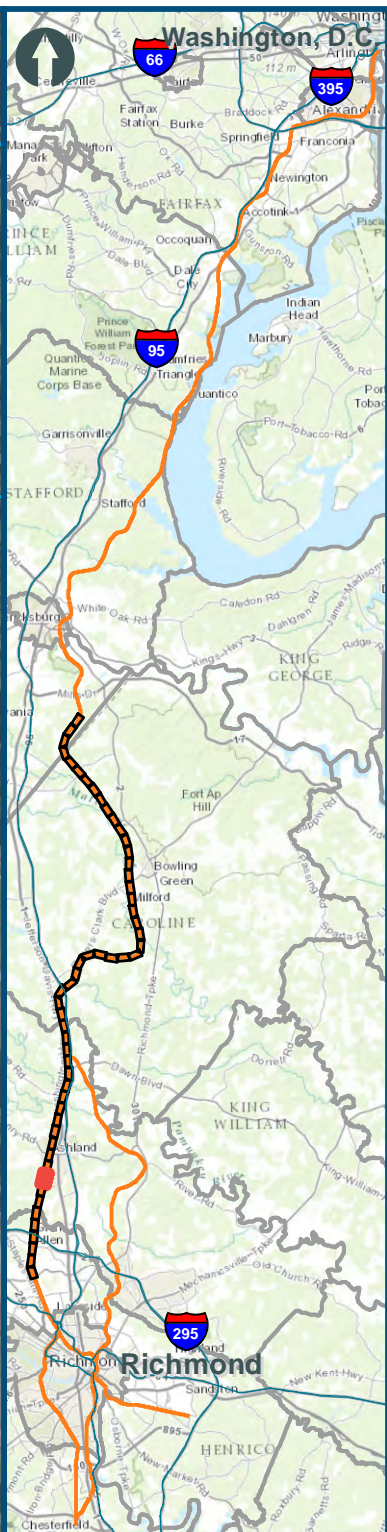
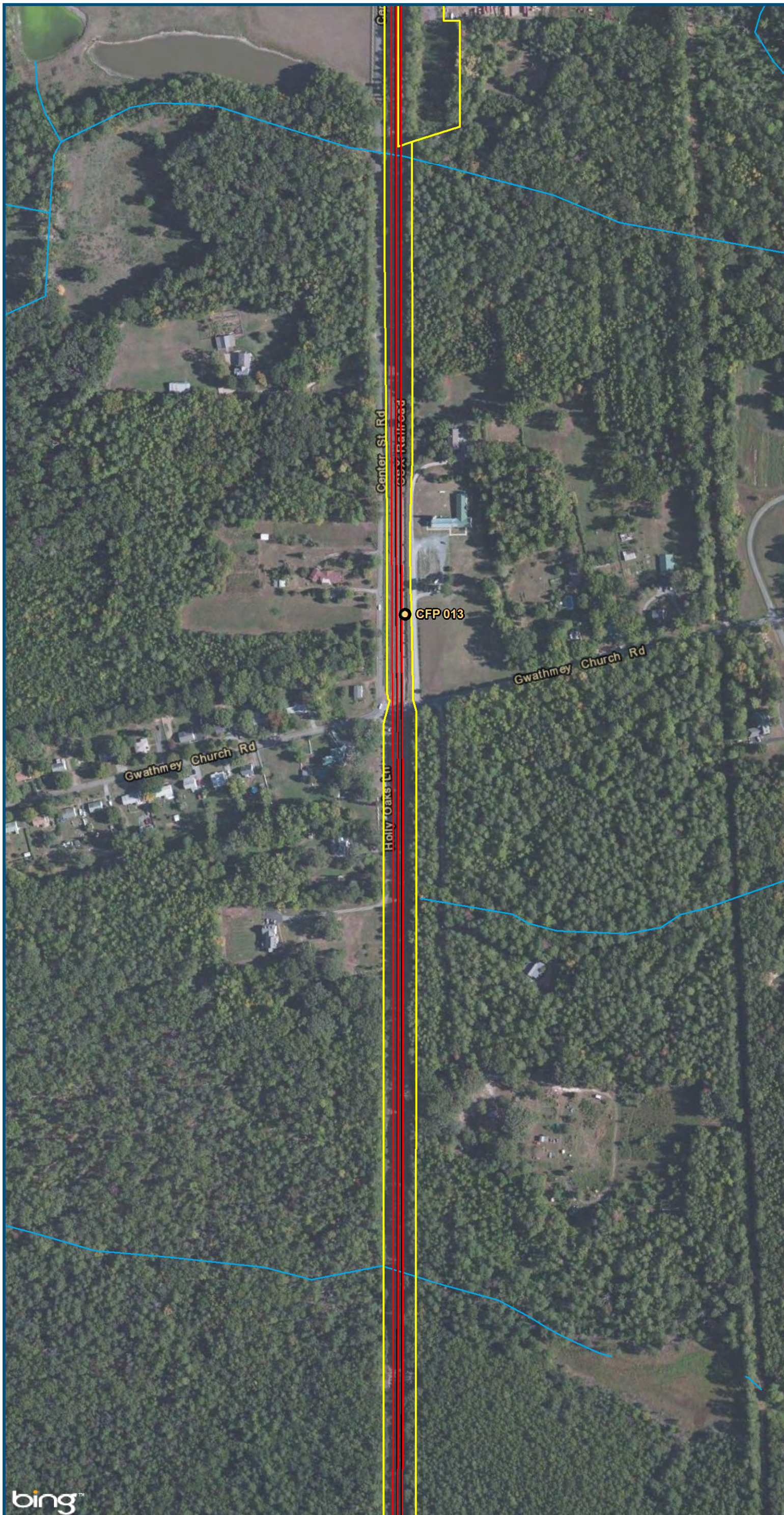
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-46
Central Virginia
Unconstrained
Alternative 4
Alignment Option

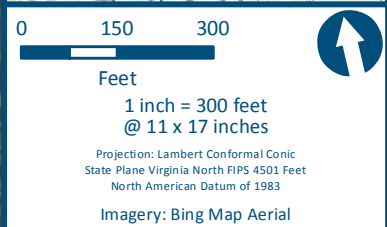
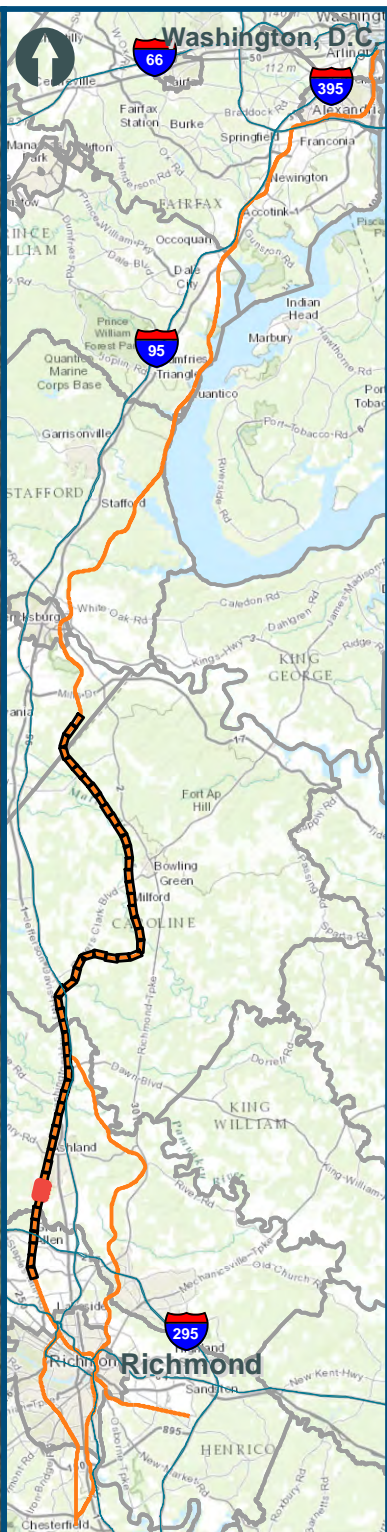
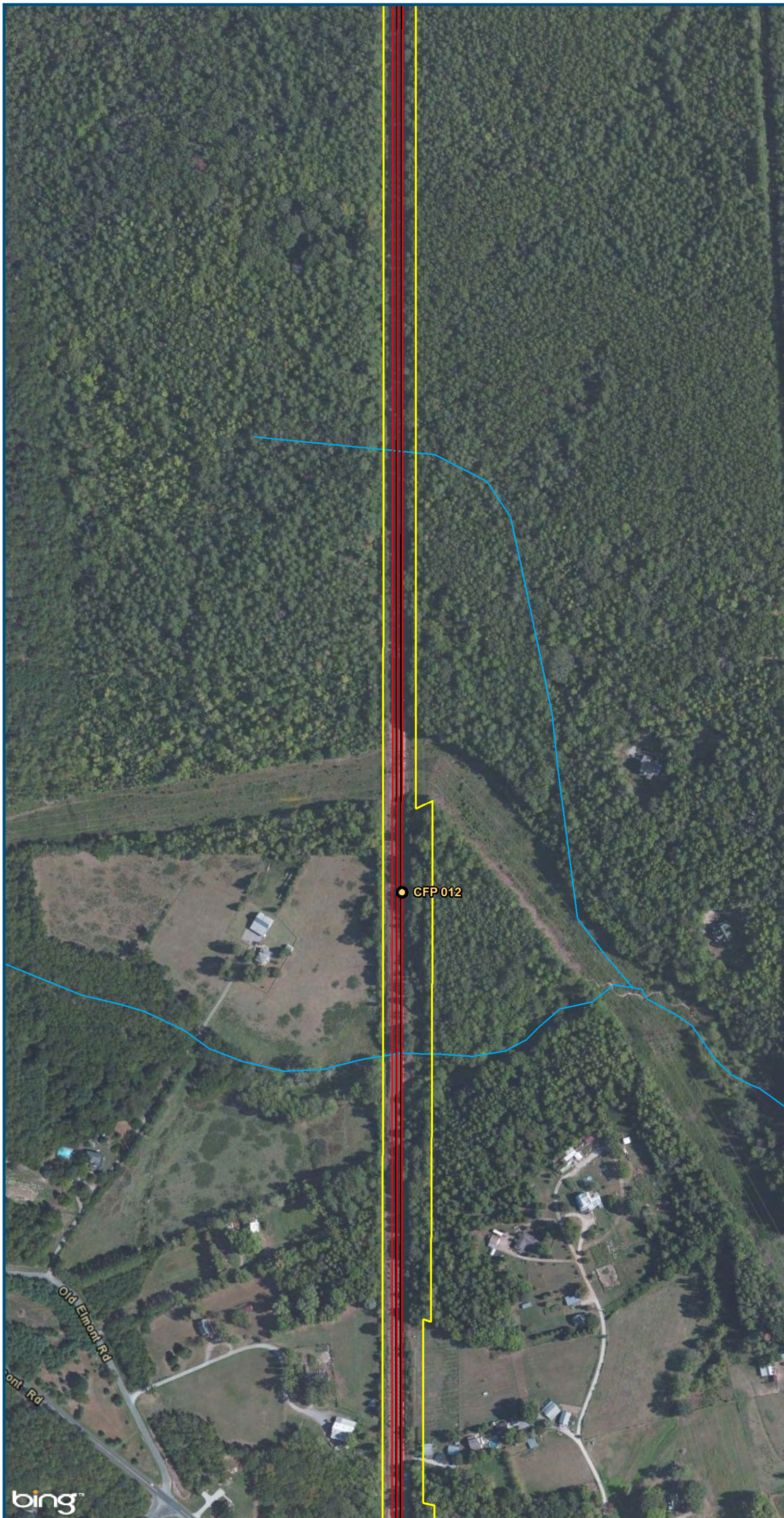
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-47
Central Virginia
Unconstrained
Alternative 4
Alignment Option

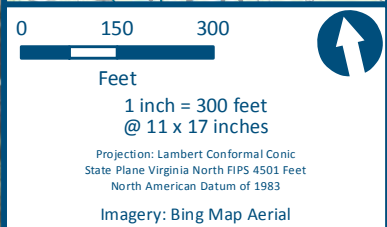
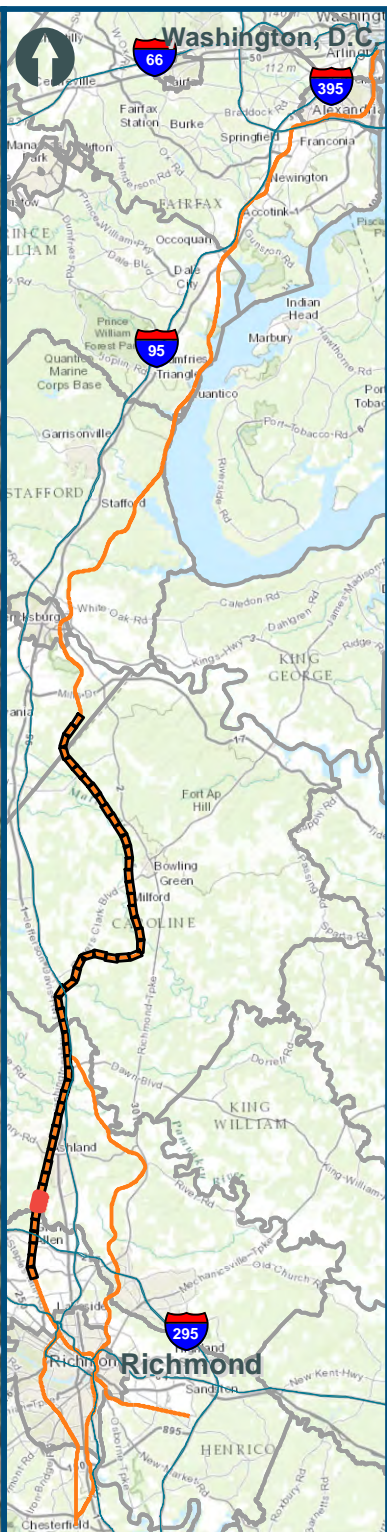
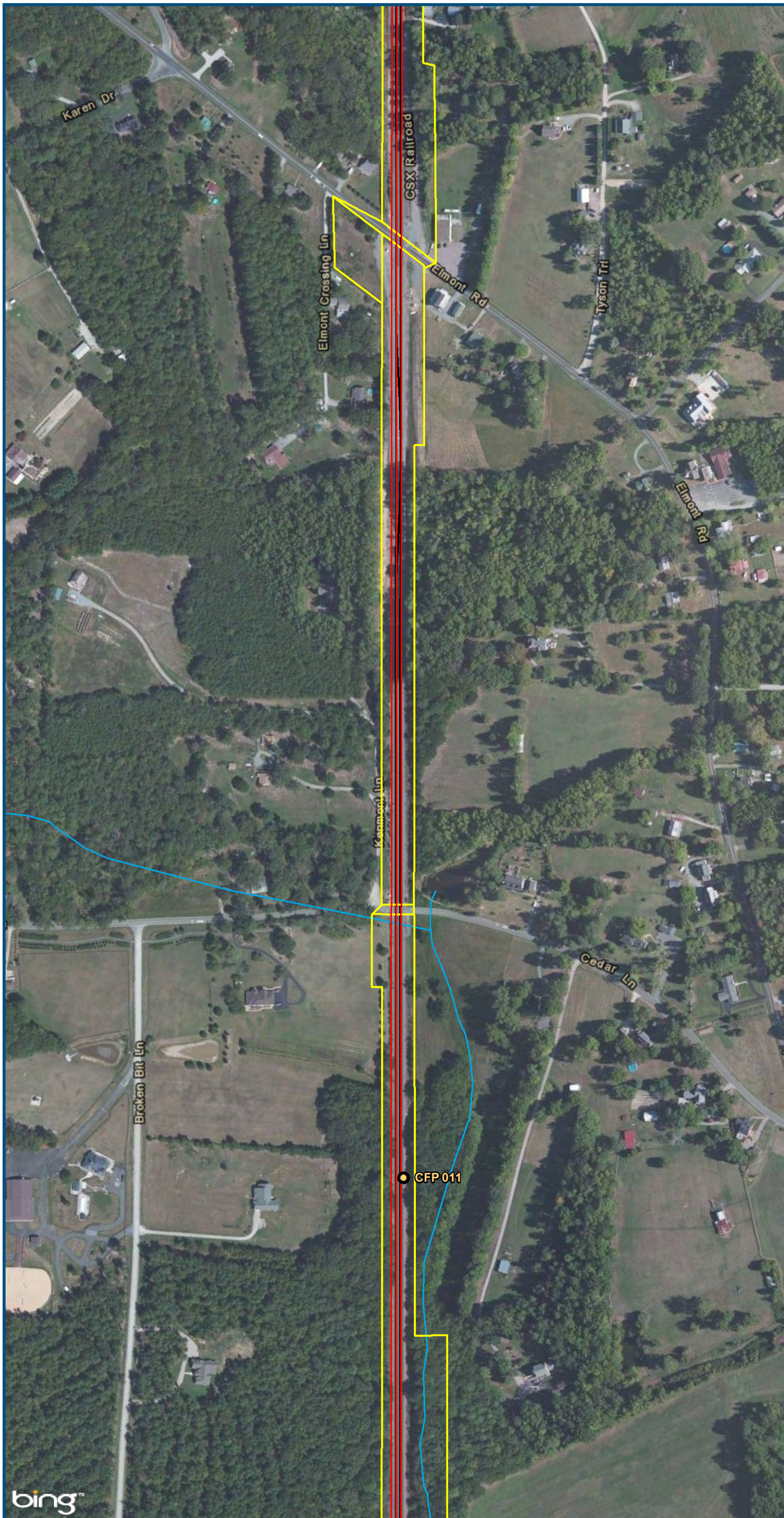
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-48
Central Virginia
Unconstrained
Alternative 4
Alignment Option

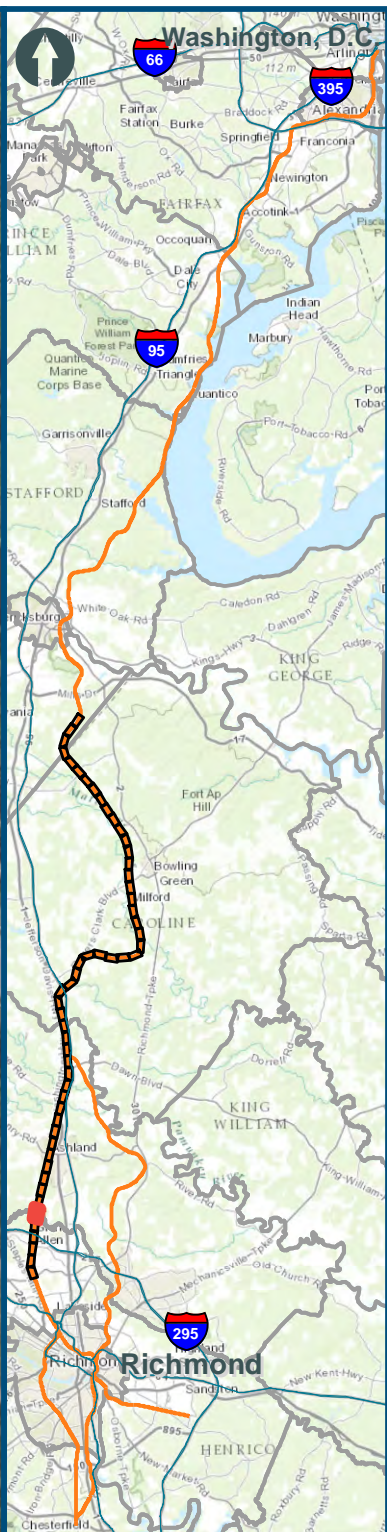
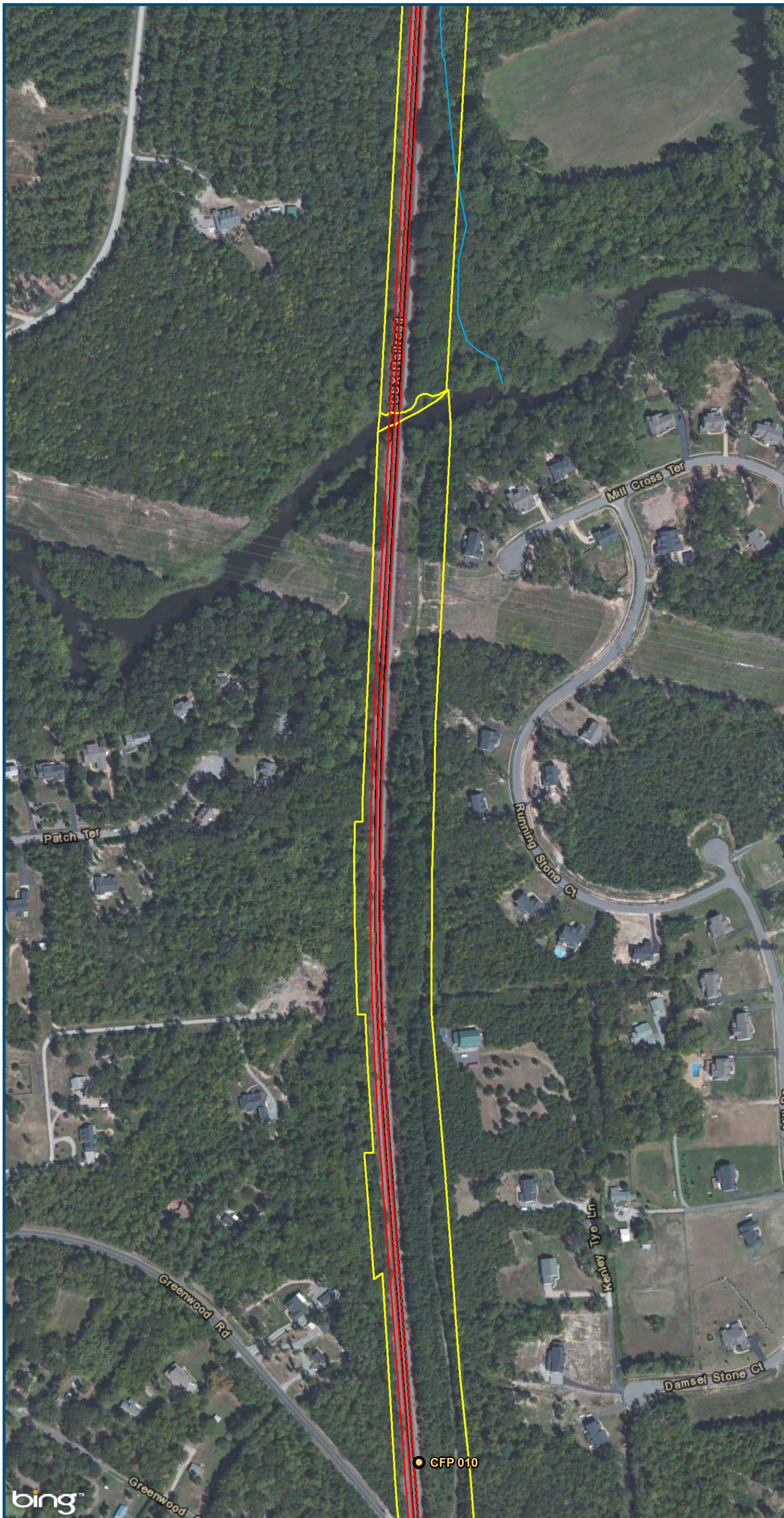
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-49
Central Virginia
Unconstrained
Alternative 4
Alignment Option

\\dlmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIIDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Cht6_Appendices_CEN_AI14_Alignments_11x17.mxd | Last Updated: 11.02.2015

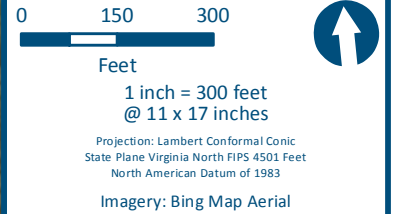
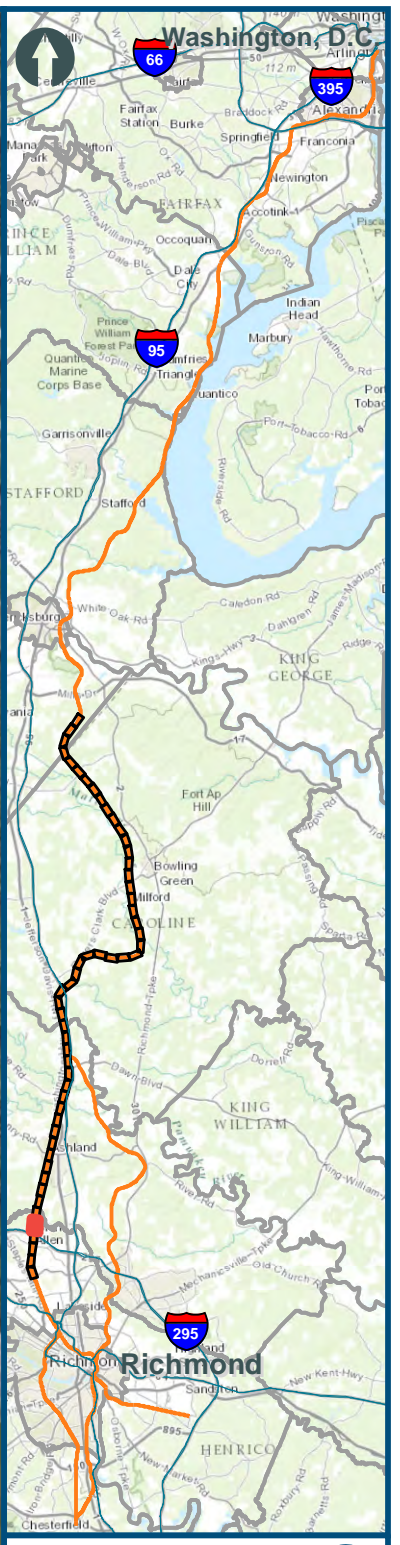
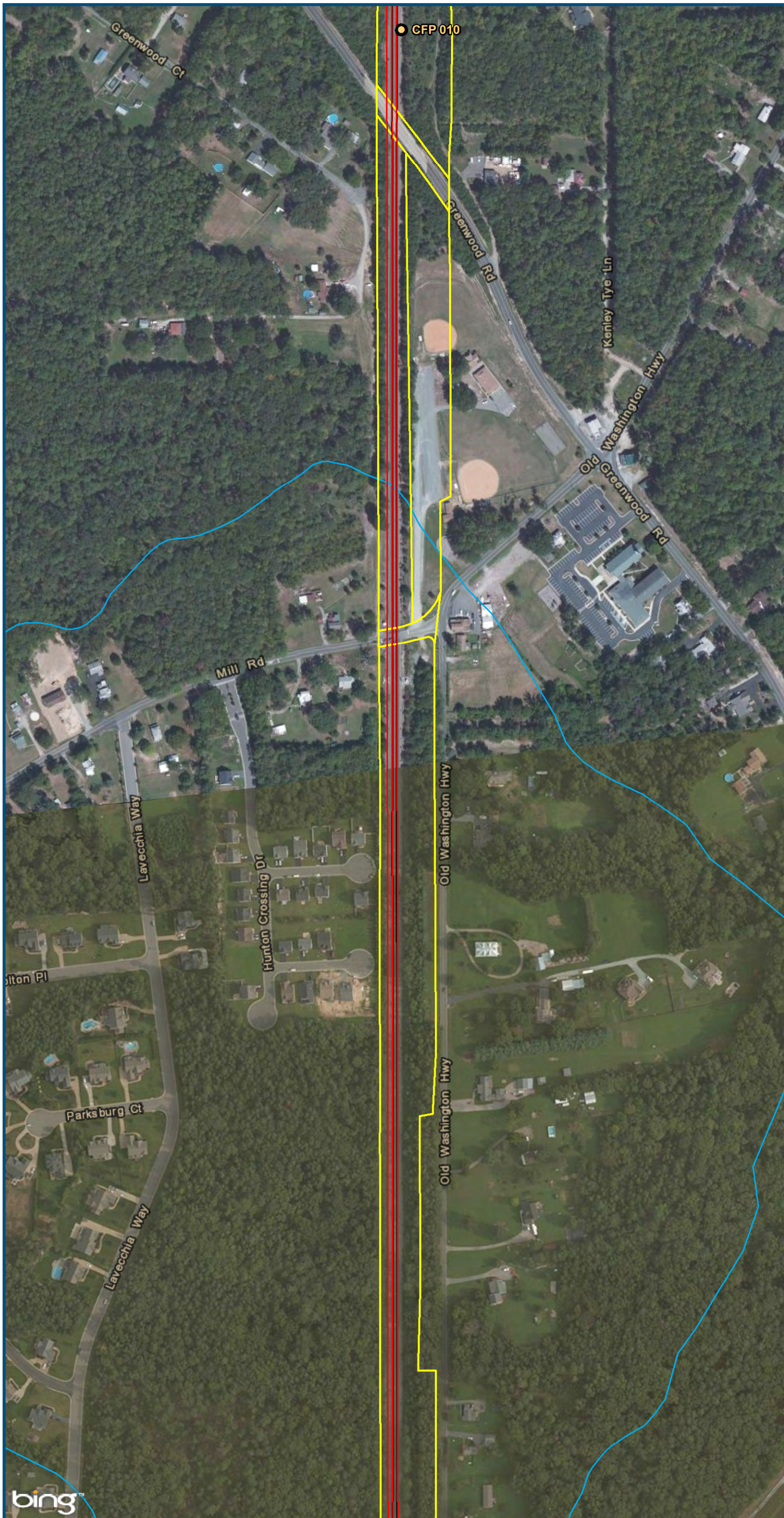


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

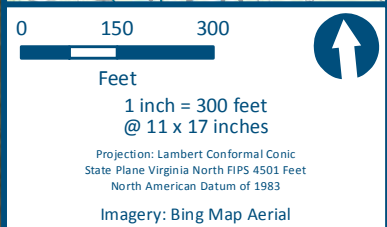
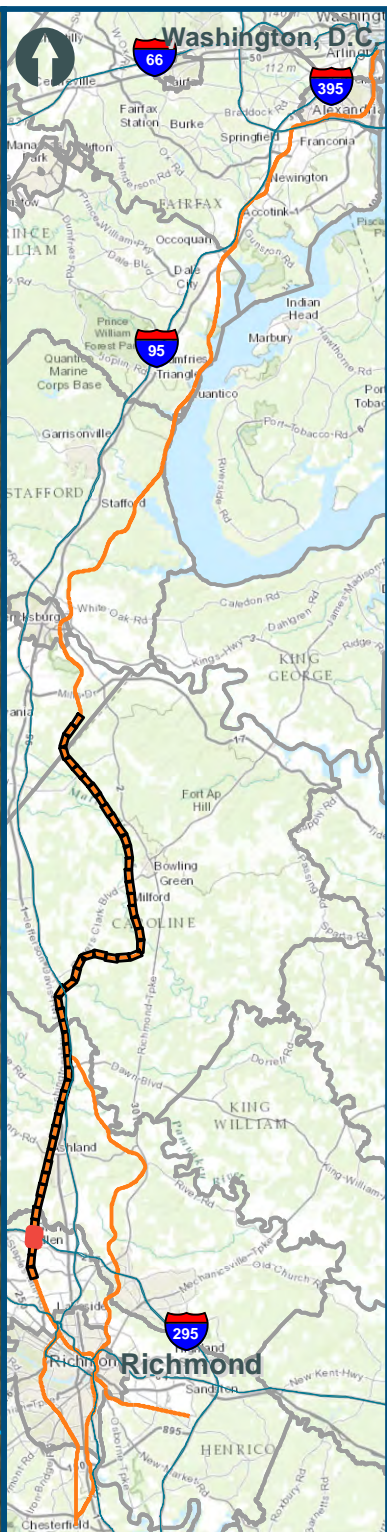
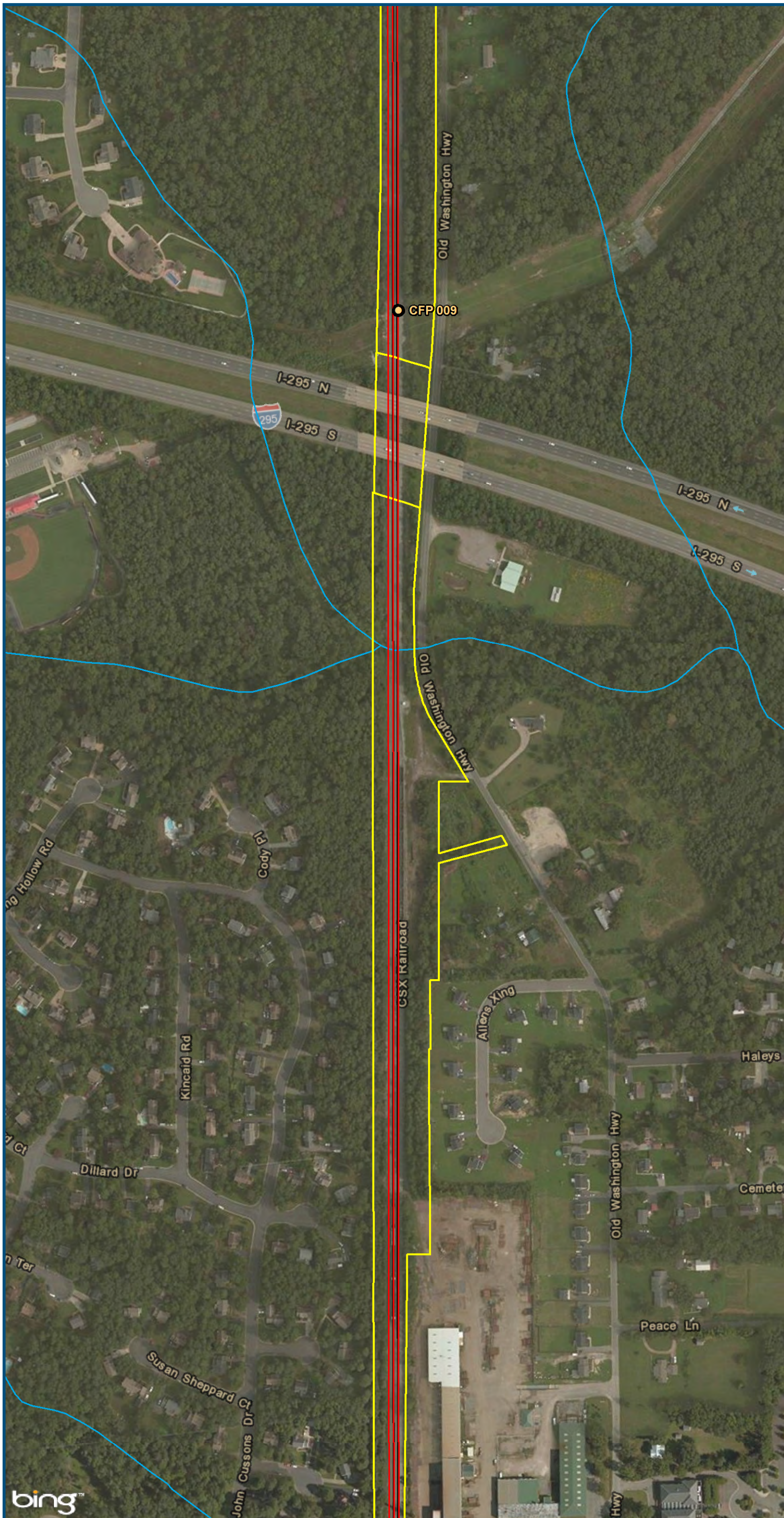
Figure O-50
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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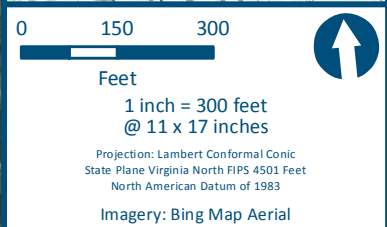
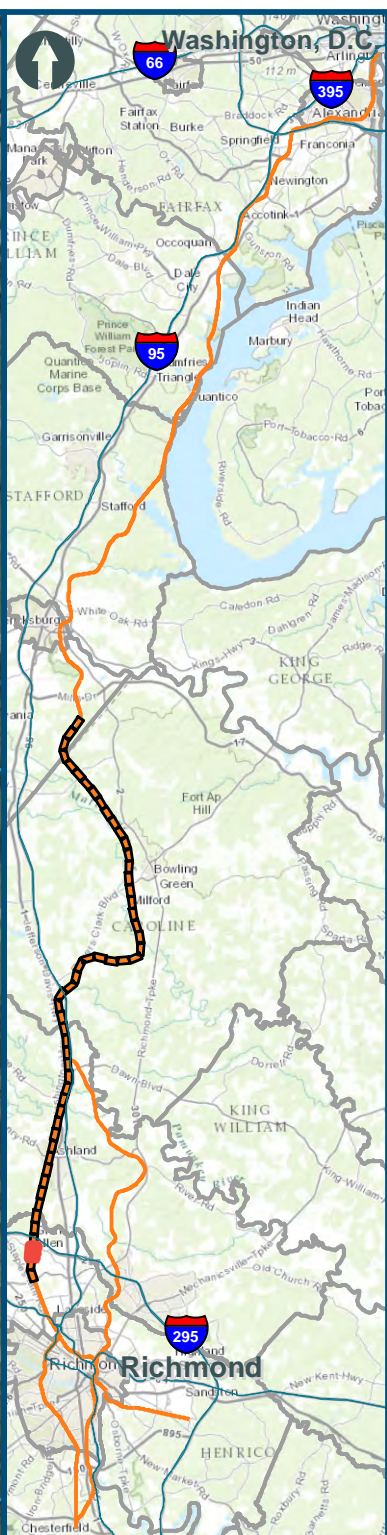
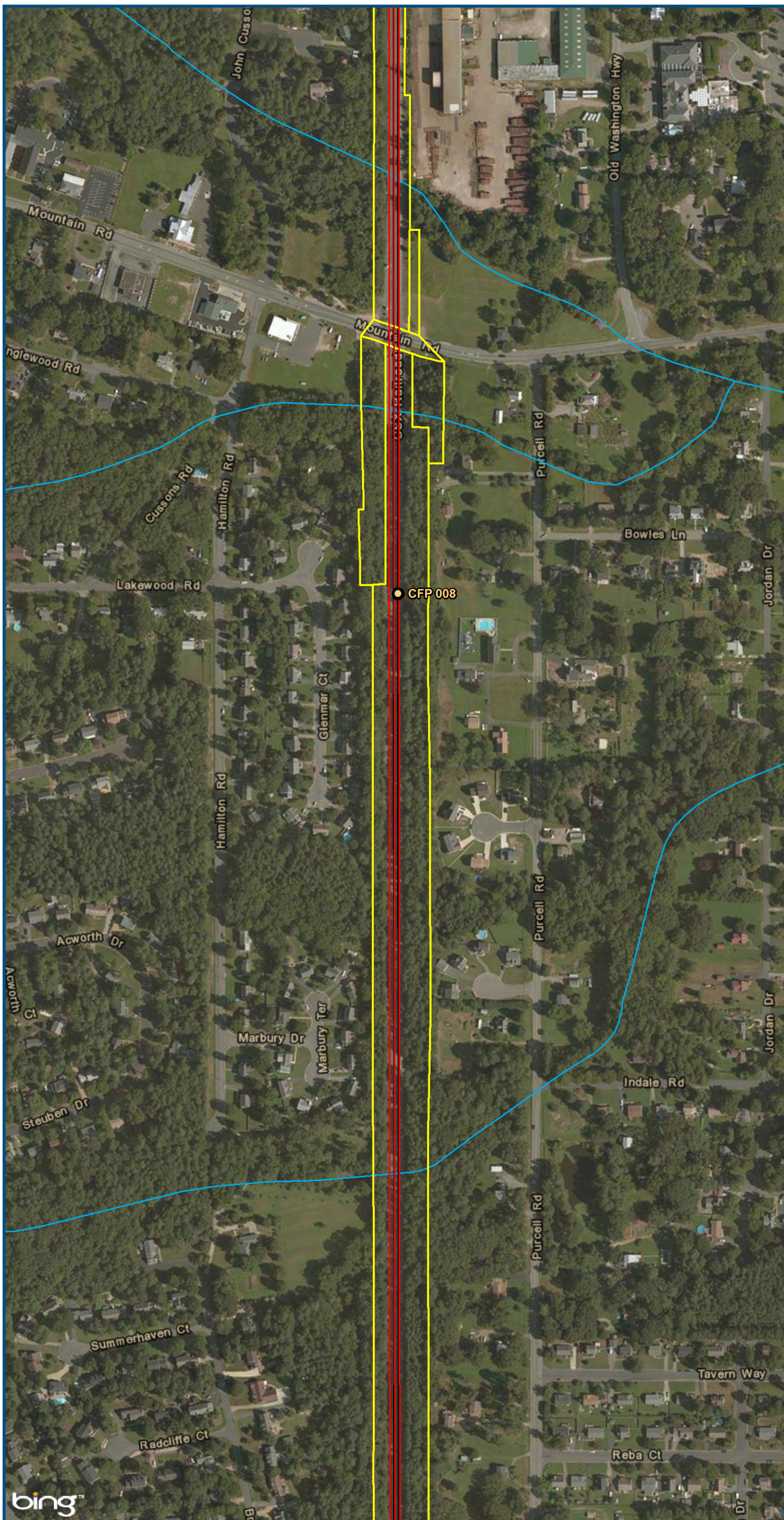
- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-51
Central Virginia
Unconstrained
Alternative 4
Alignment Option



- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-52
Central Virginia
Unconstrained
Alternative 4
Alignment Option



- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-53
Central Virginia
Unconstrained
Alternative 4
Alignment Option

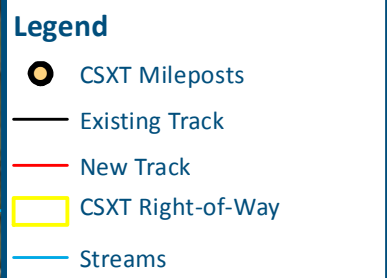
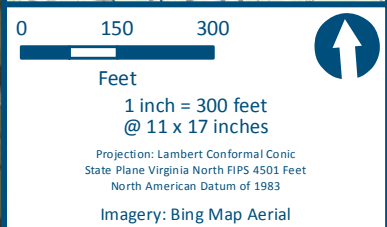
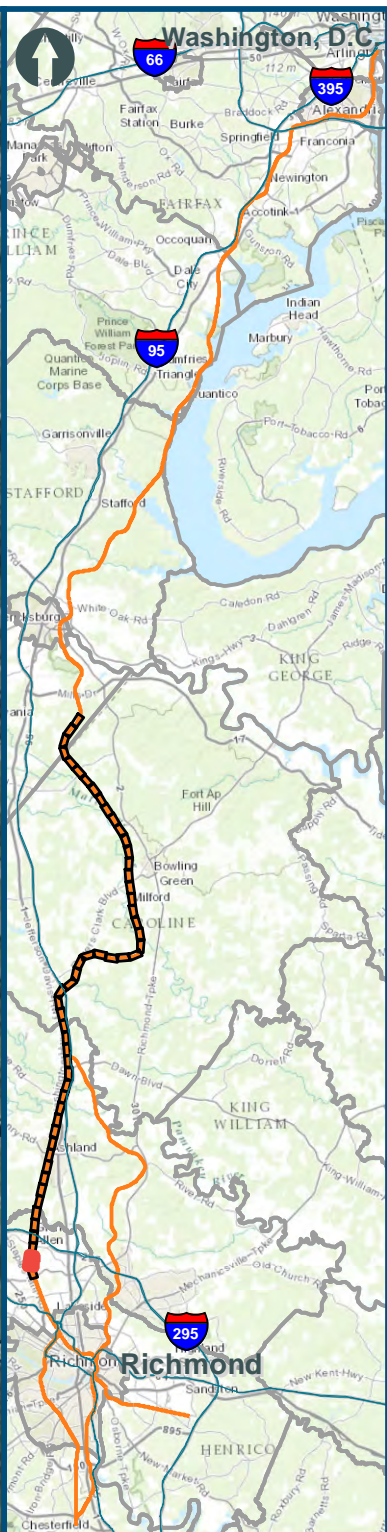
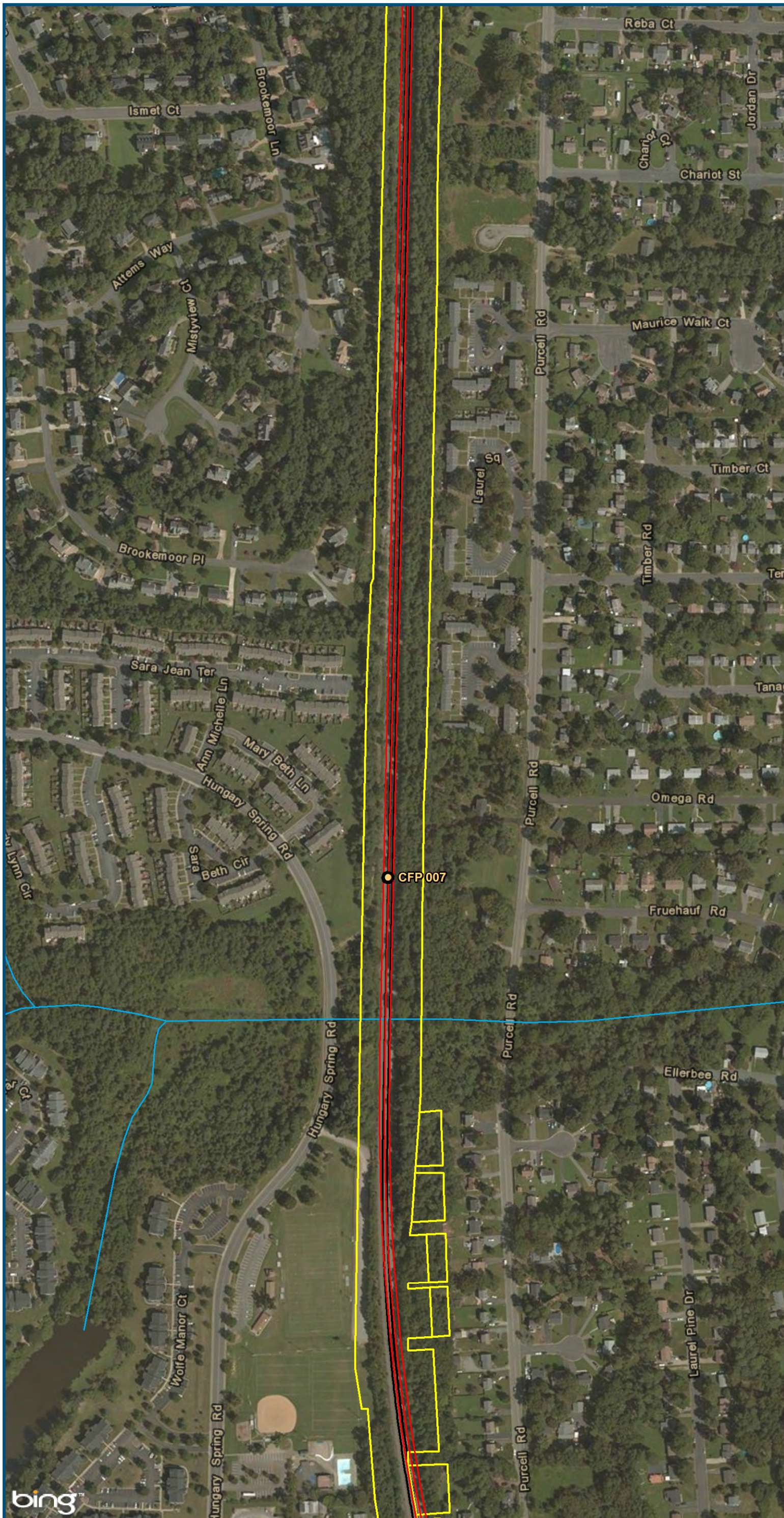
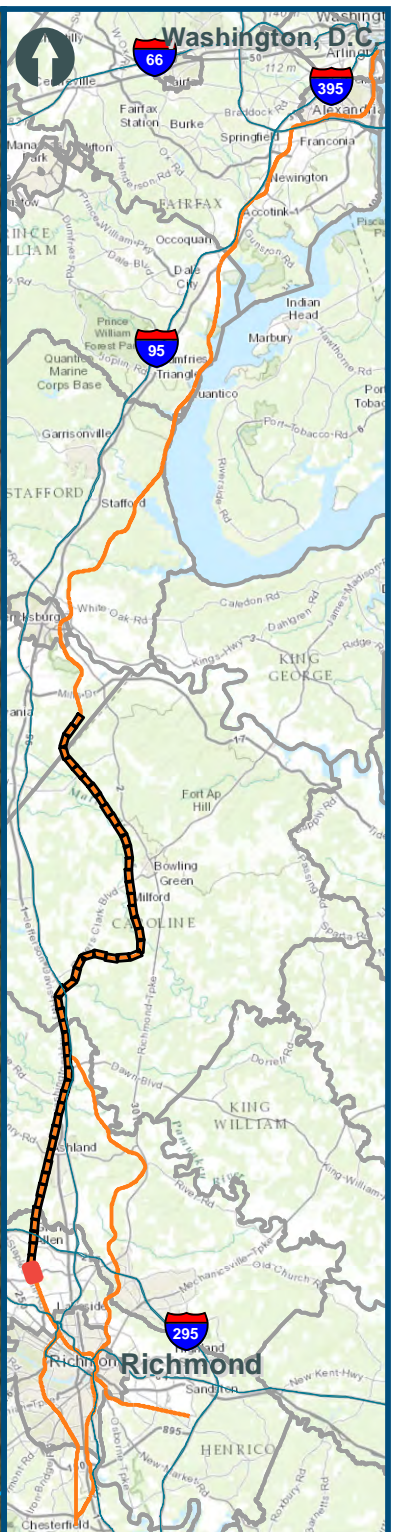
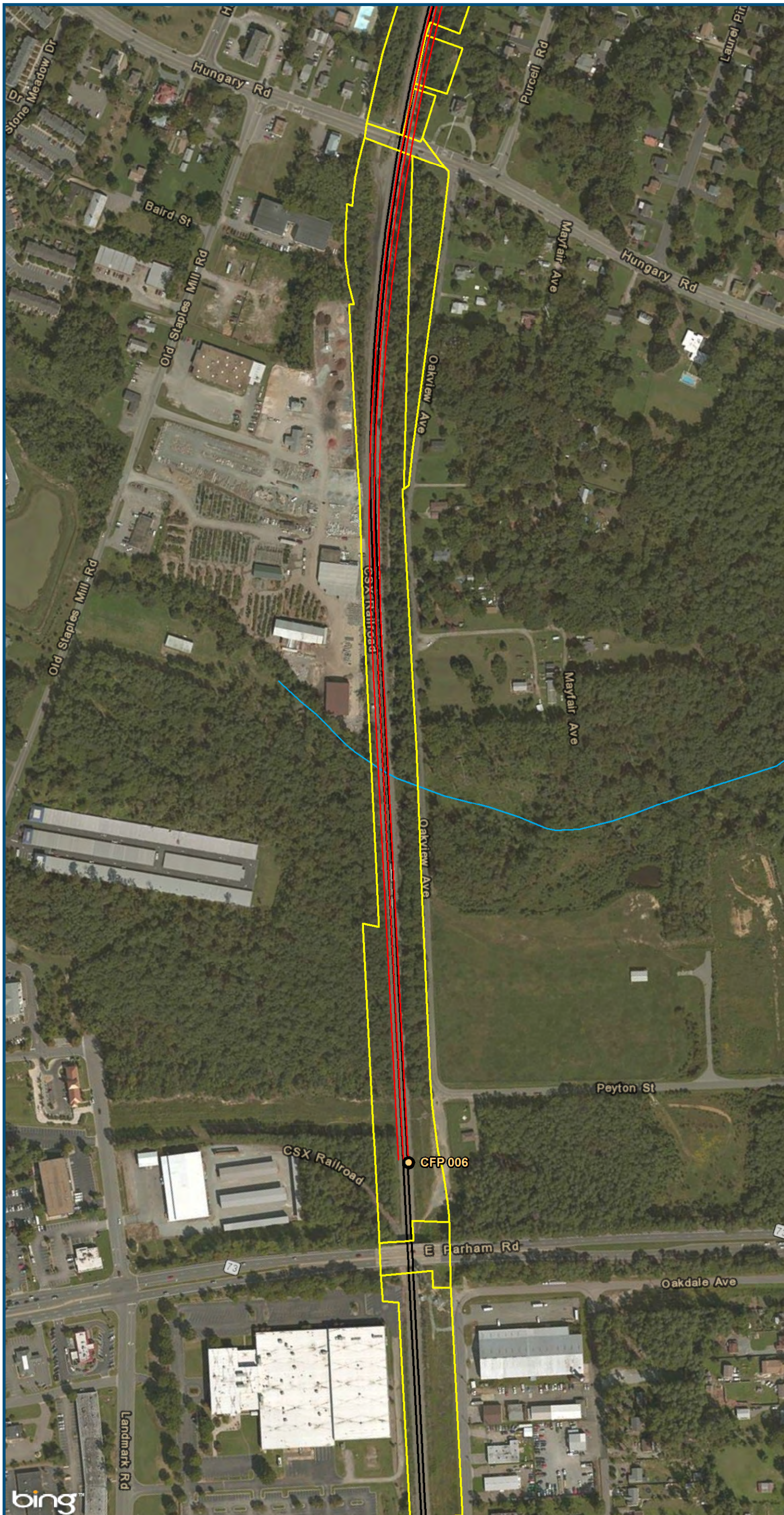


Figure O-54
Central Virginia
Unconstrained
Alternative 4
Alignment Option

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0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure O-55
Central Virginia
Unconstrained
Alternative 4
Alignment Option