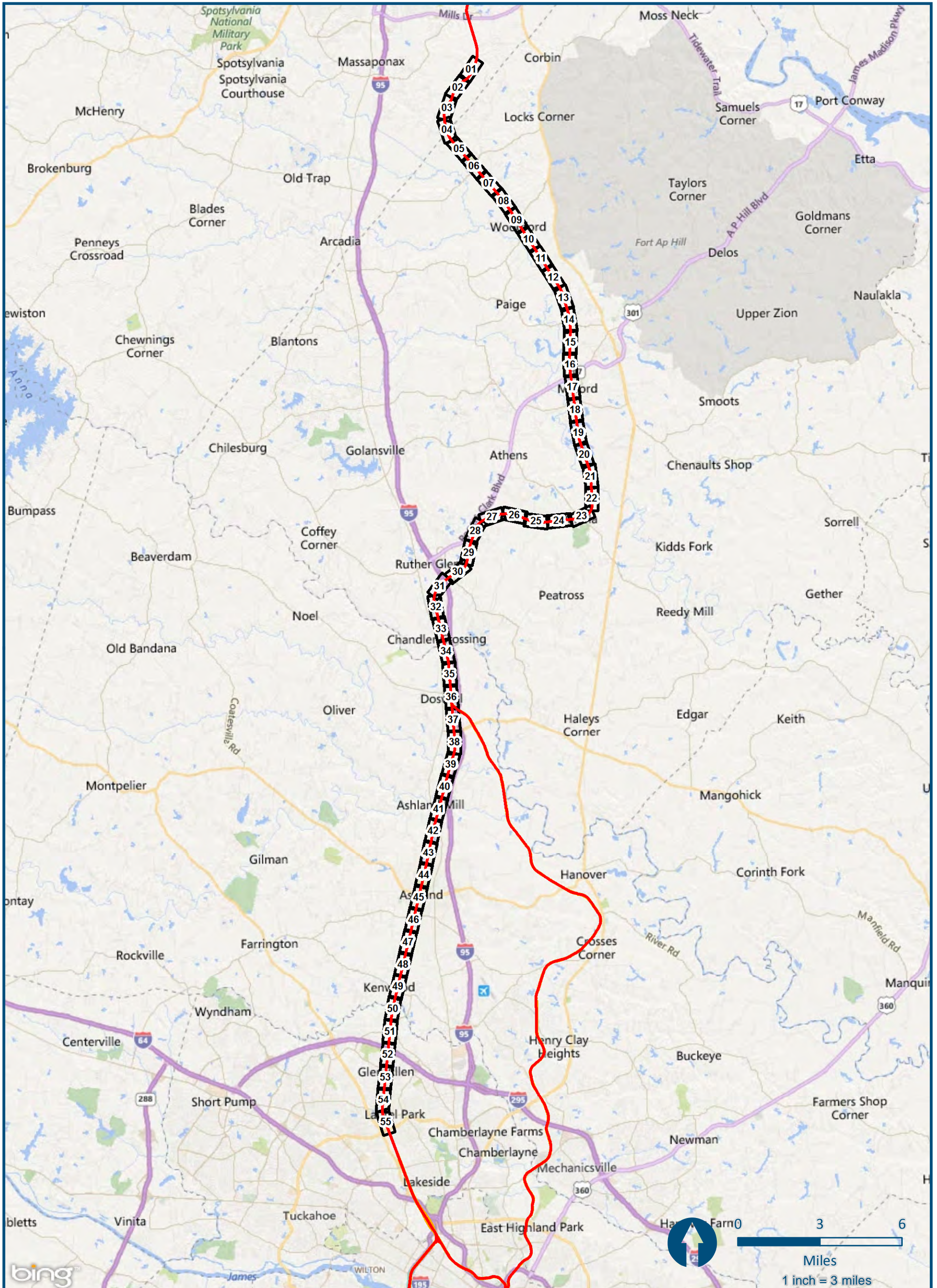
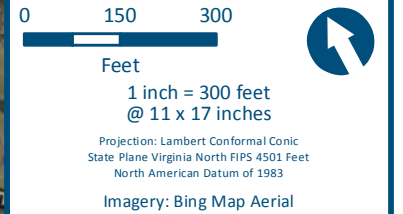
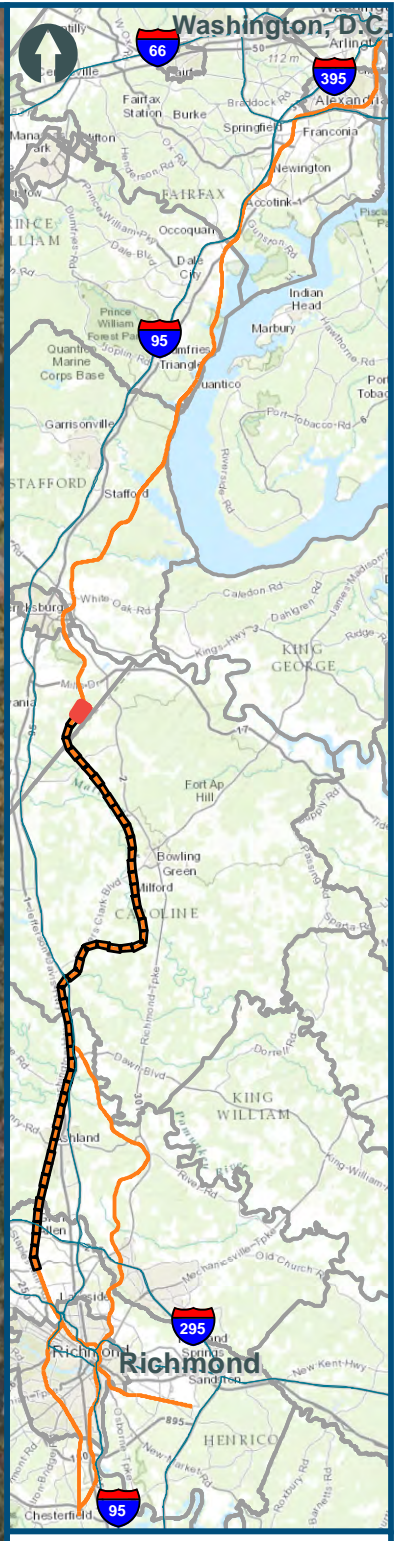
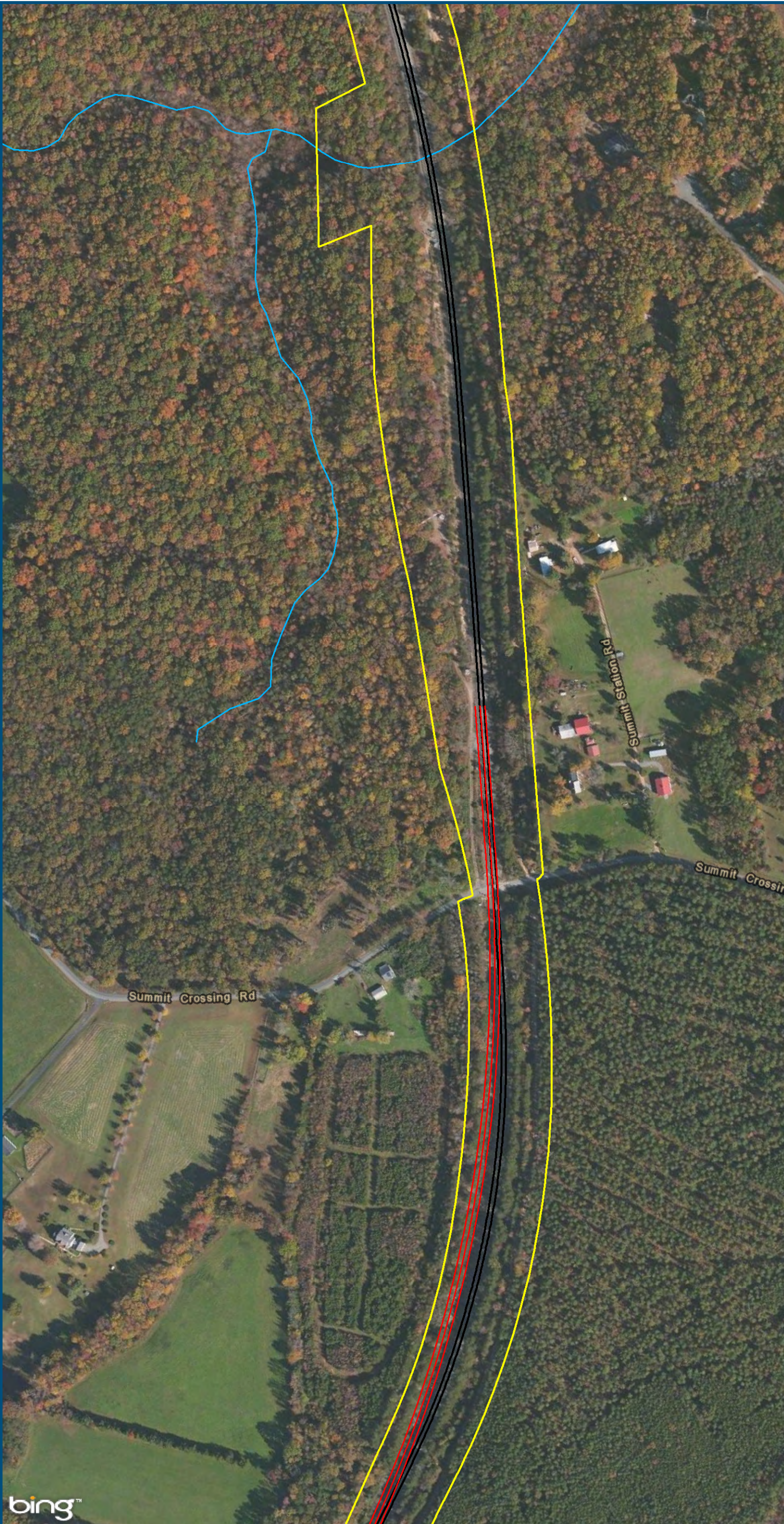


Central Virginia (CEN) Project Section Constrained Alignment Option Index Map



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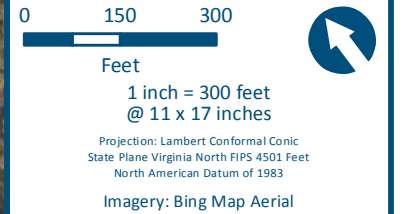
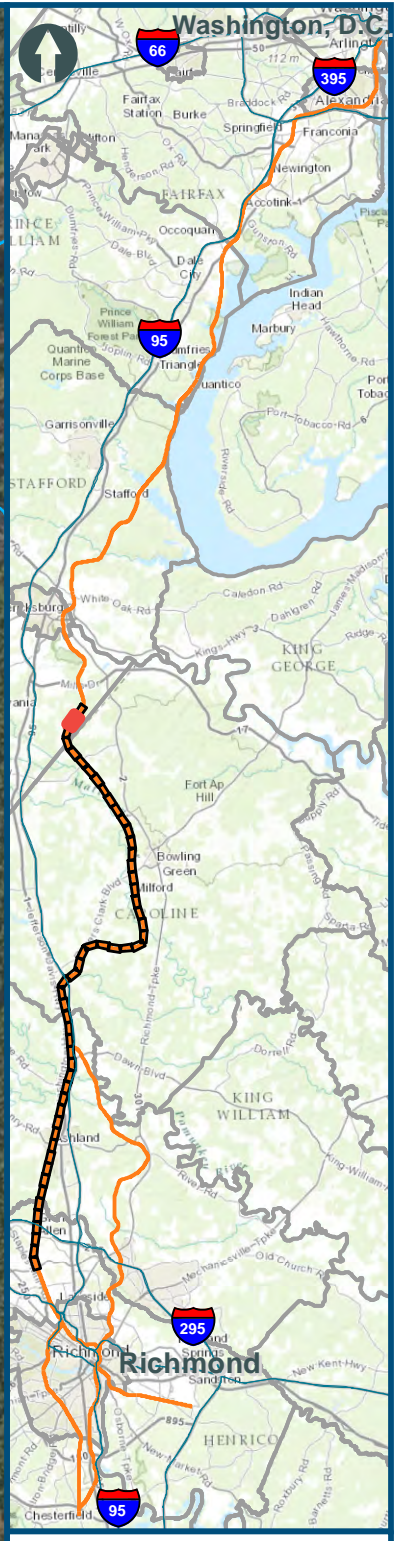
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

**Figure P-1
Central Virginia
Constrained
Alignment Option**

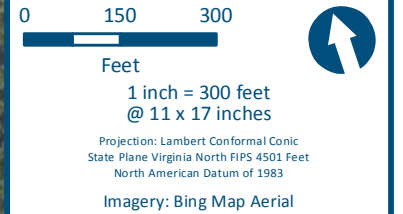
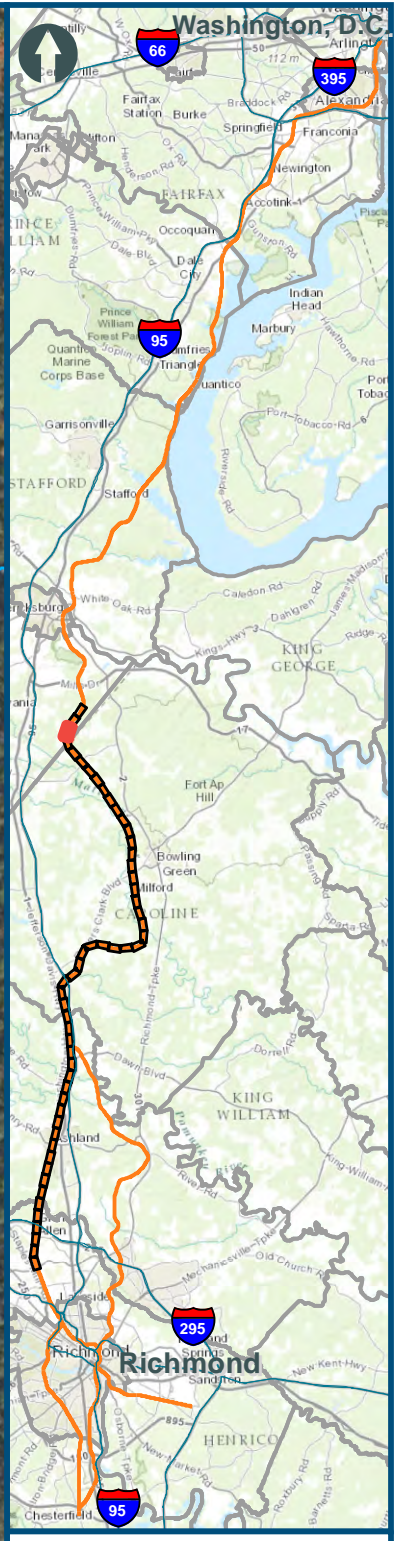
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





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

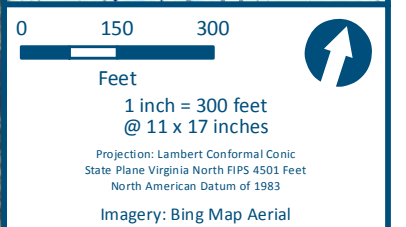
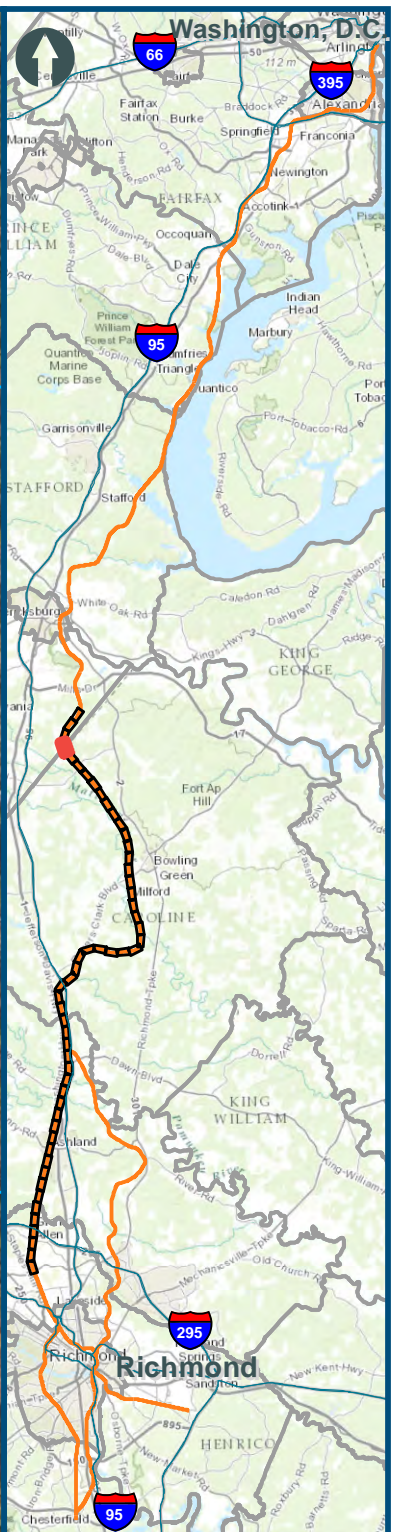
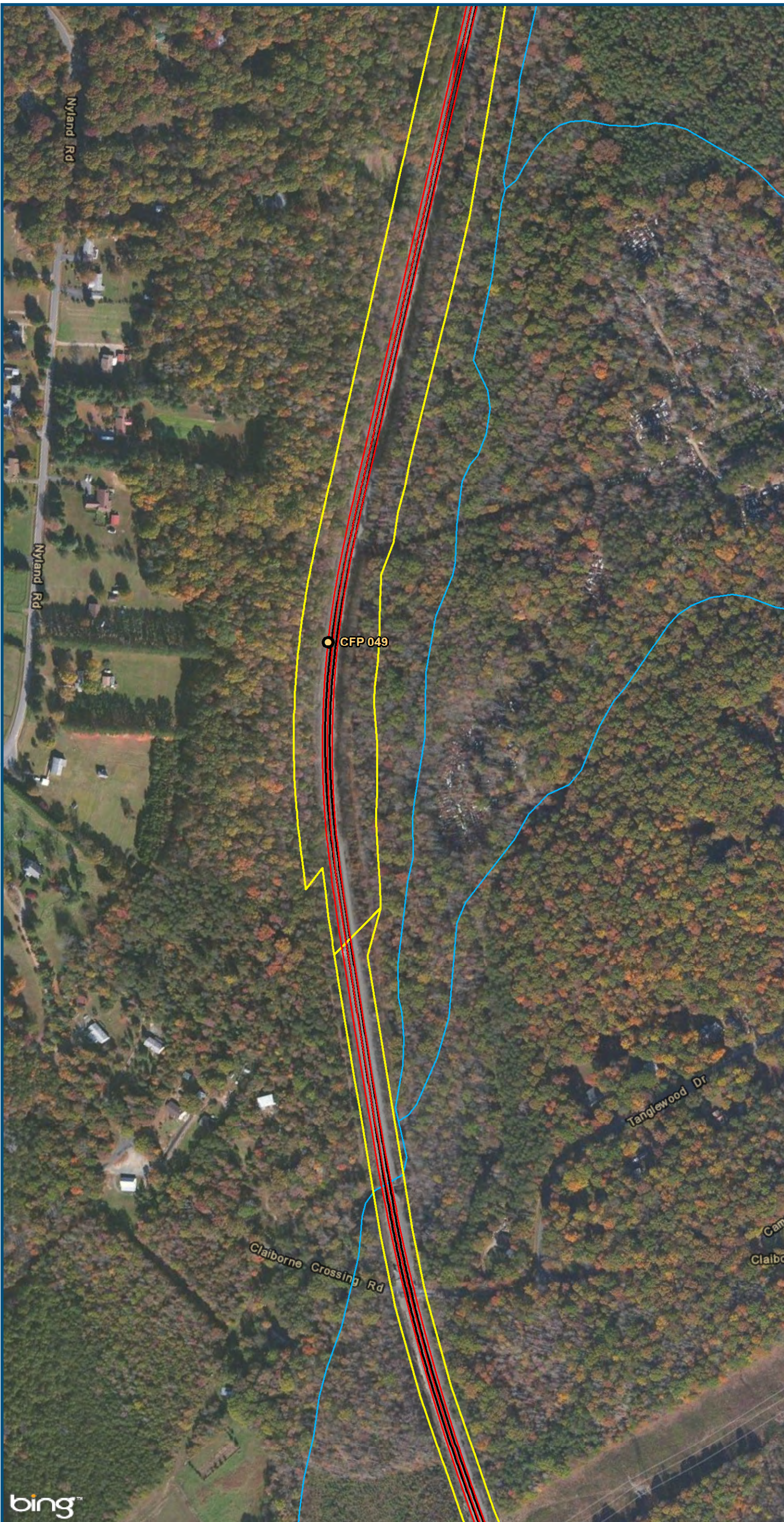
**Figure P-2
Central Virginia
Constrained
Alignment Option**

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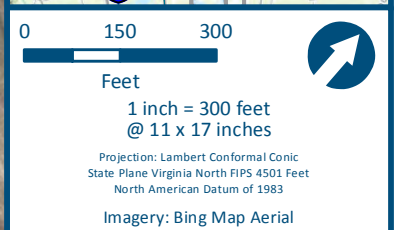
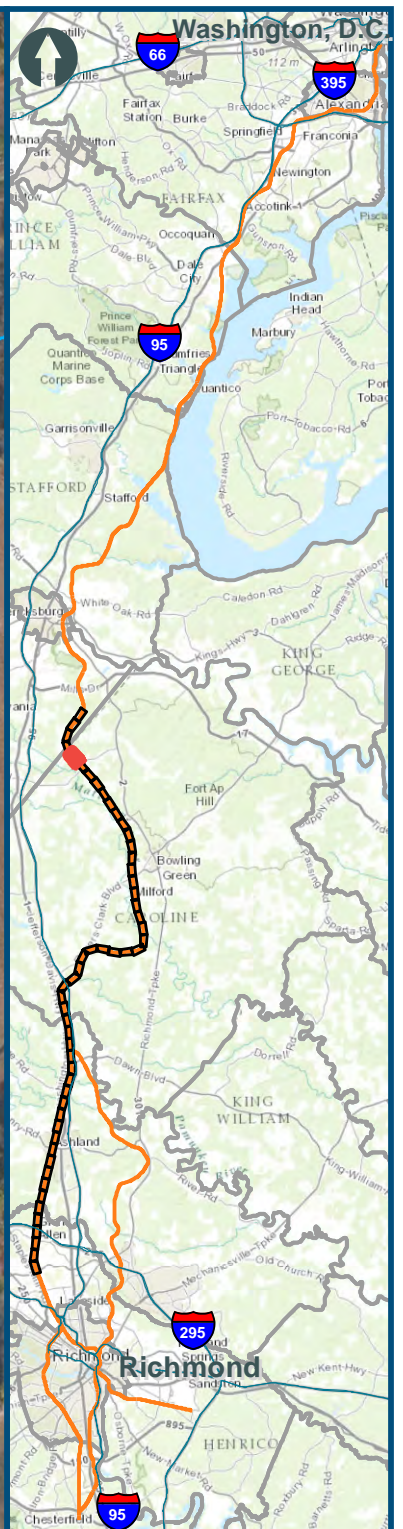
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams






**Figure P-3
Central Virginia
Constrained
Alignment Option**



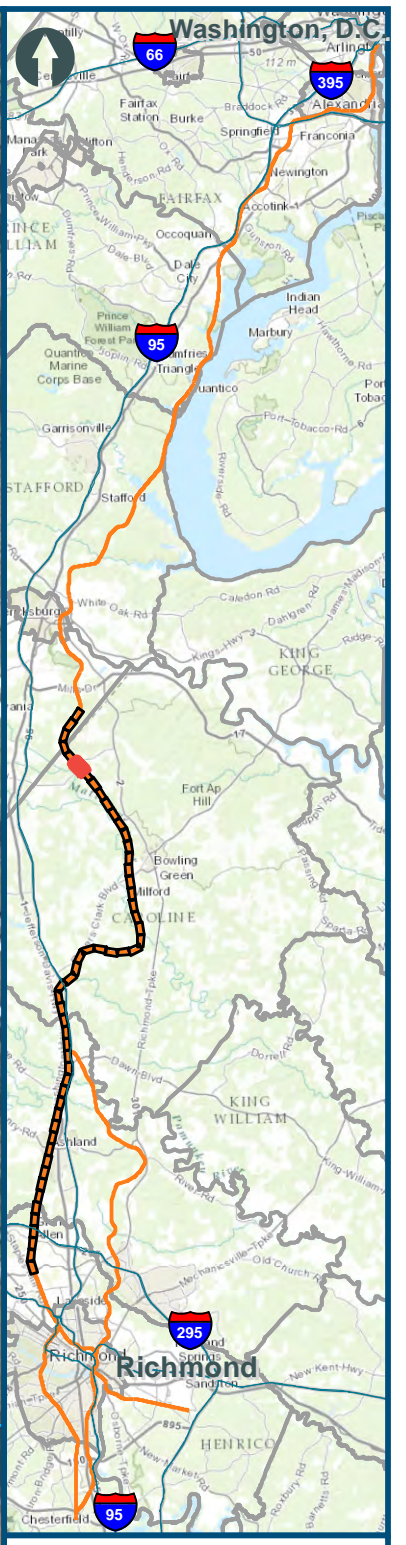
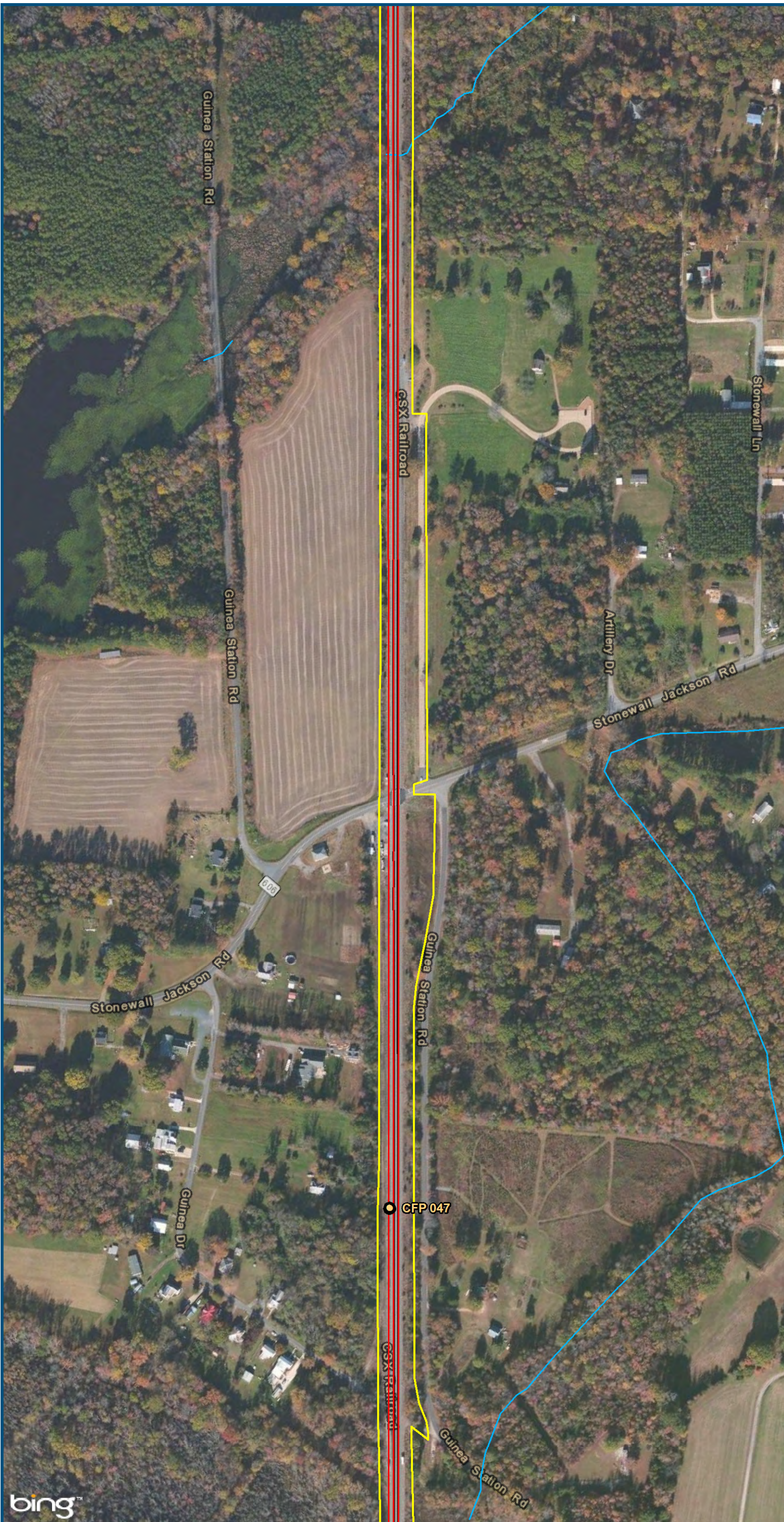
- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

**Figure P-4
Central Virginia
Constrained
Alignment Option**



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

**Figure P-5
Central Virginia
Constrained
Alignment Option**

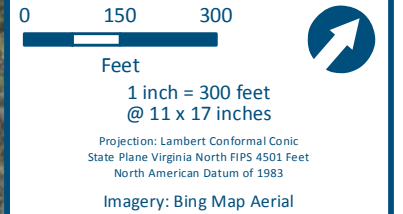
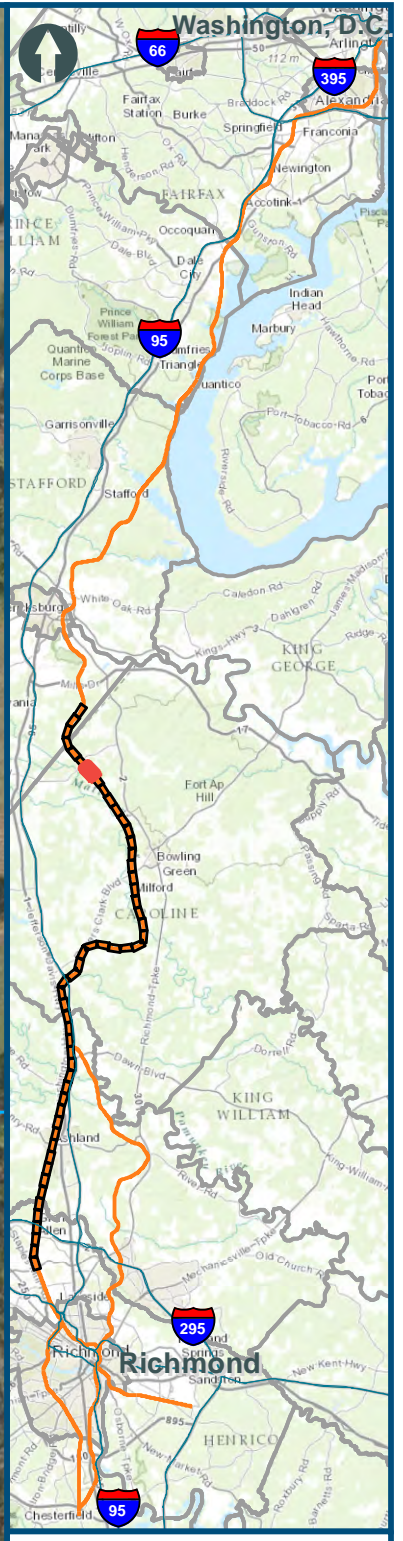


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

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

**Figure P-6
 Central Virginia
 Constrained
 Alignment Option**

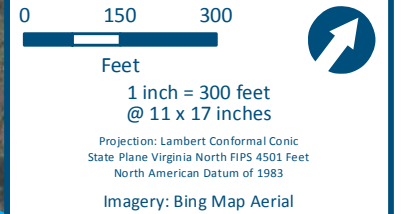
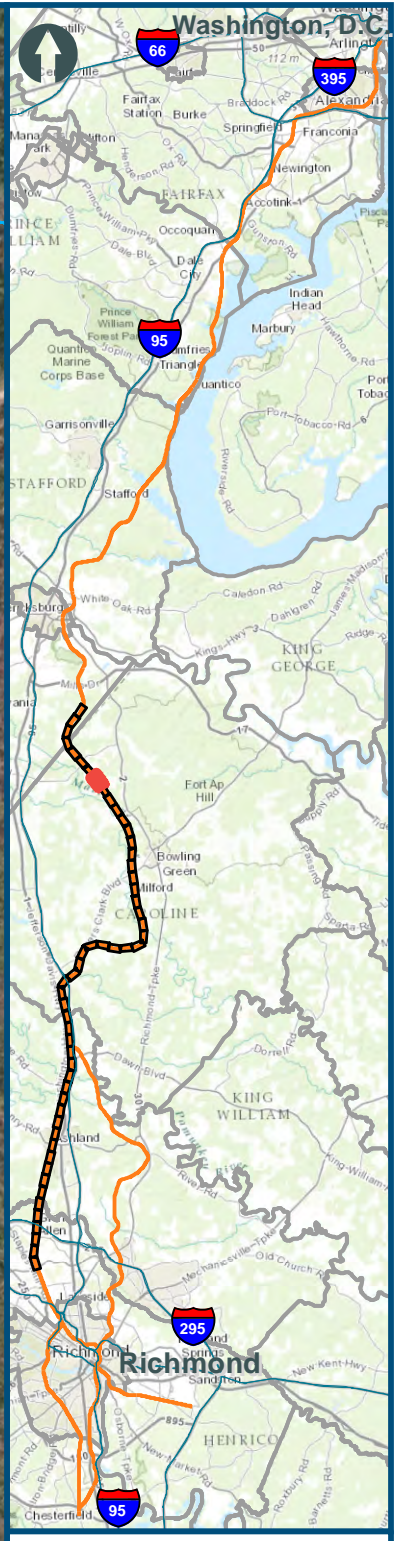
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

**Figure P-7
Central Virginia
Constrained
Alignment Option**

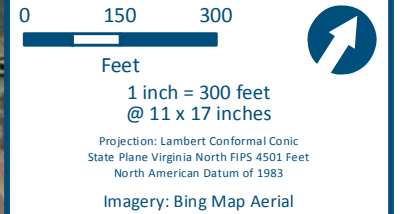
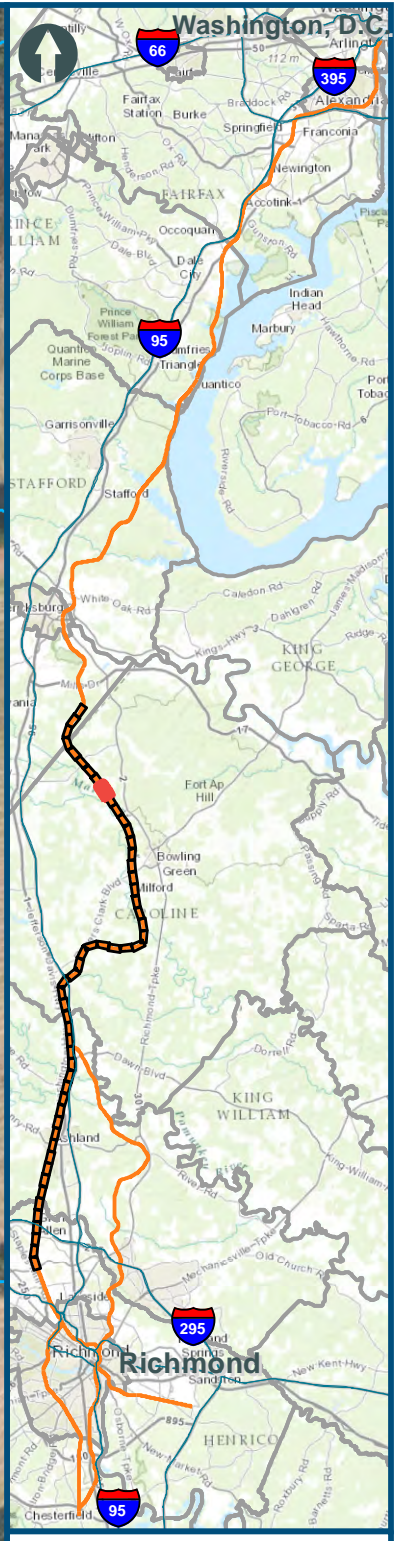
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- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

**Figure P-8
Central Virginia
Constrained
Alignment Option**

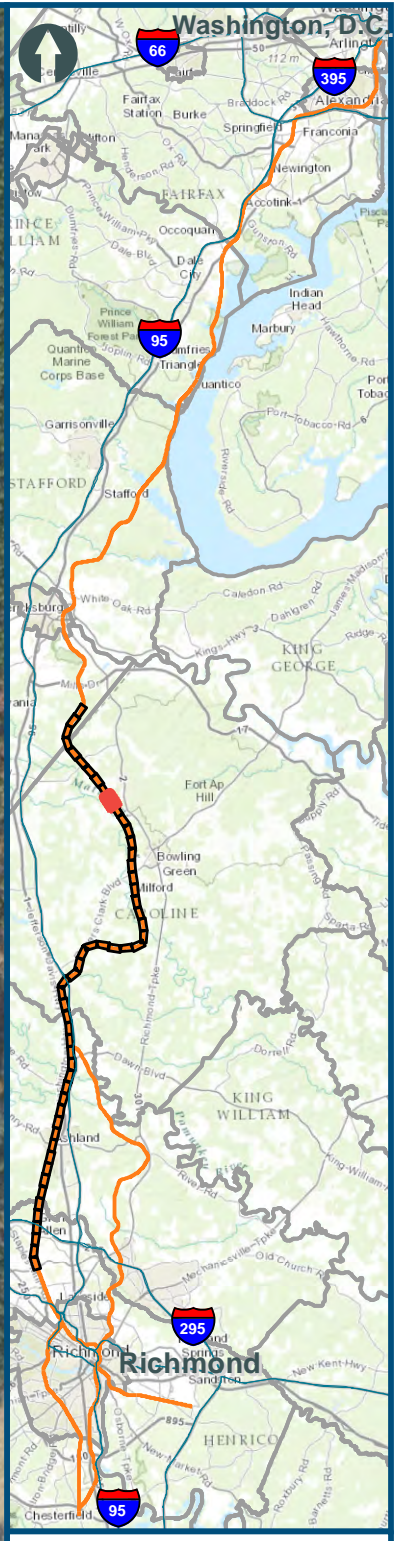
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- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

**Figure P-9
Central Virginia
Constrained
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_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015

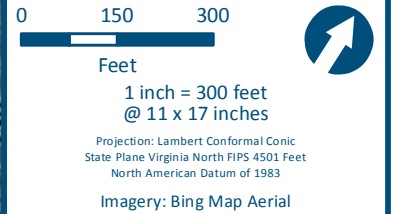
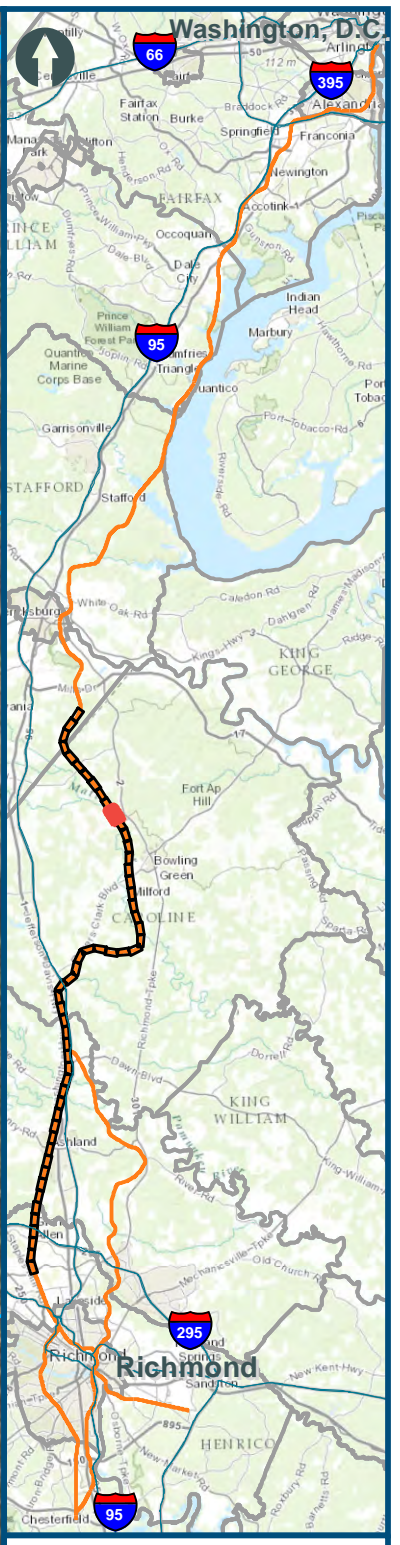
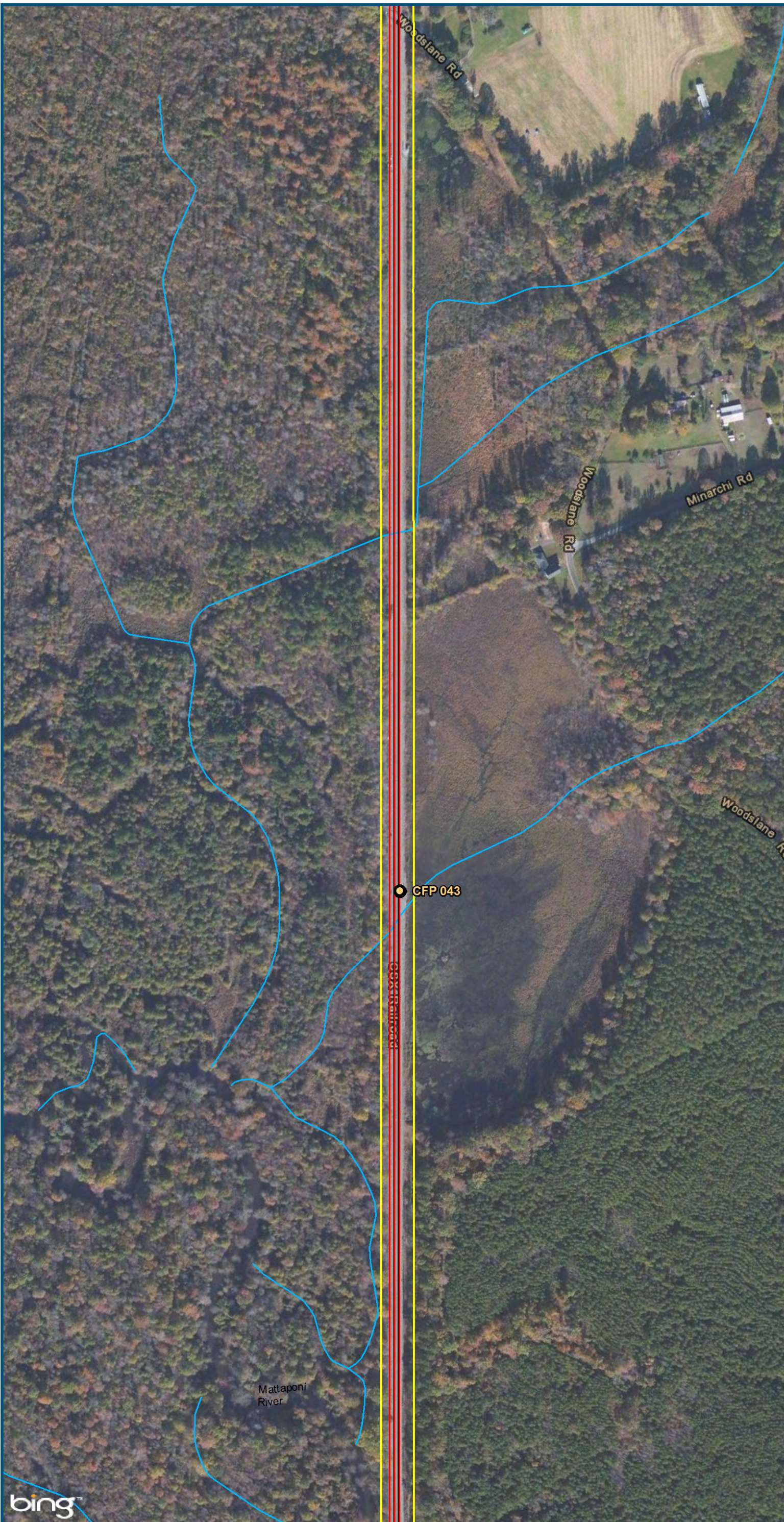


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure P-10
Central Virginia
Constrained
Alignment Option

\\dlismain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_CEN_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015








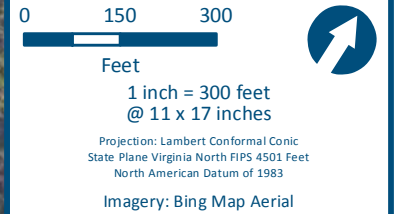
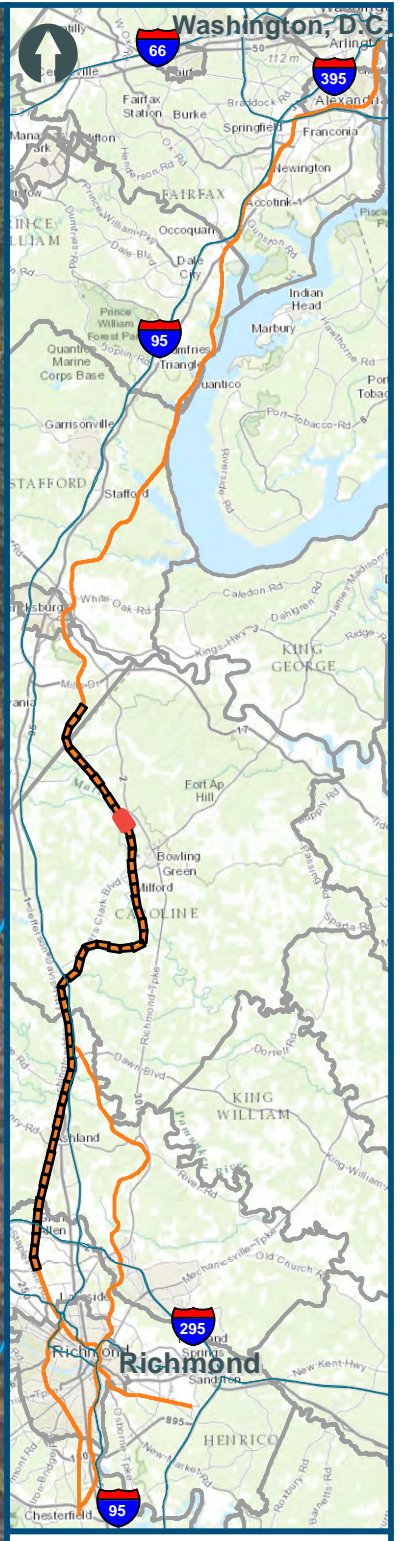
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

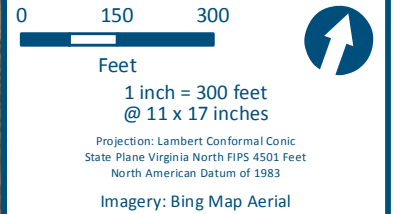
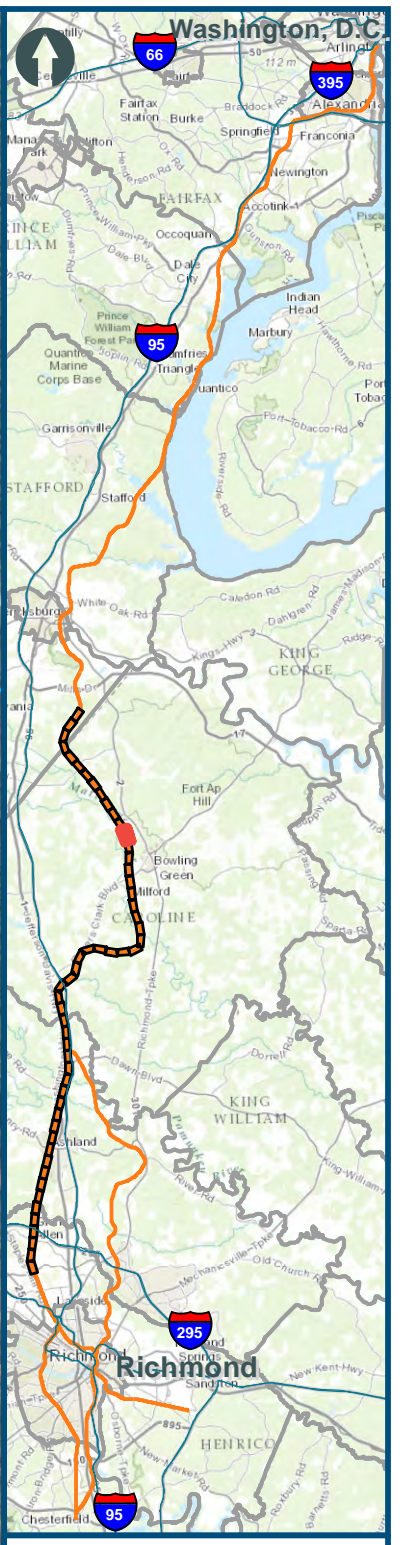
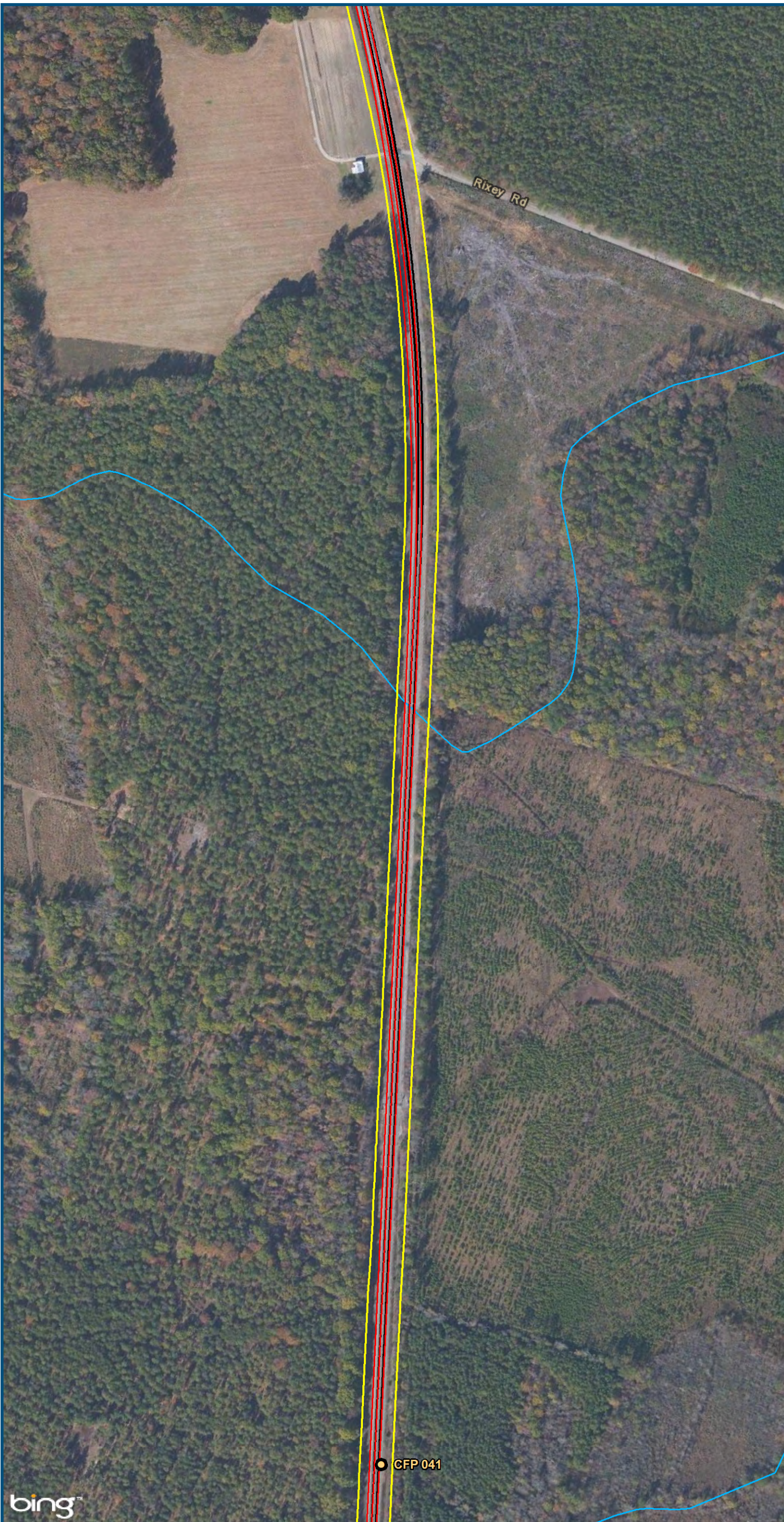
Figure P-11
Central Virginia
Constrained
Alignment Option

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

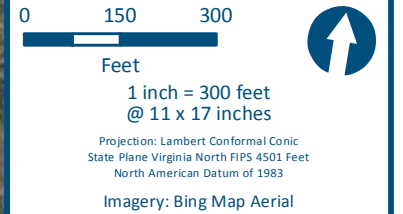
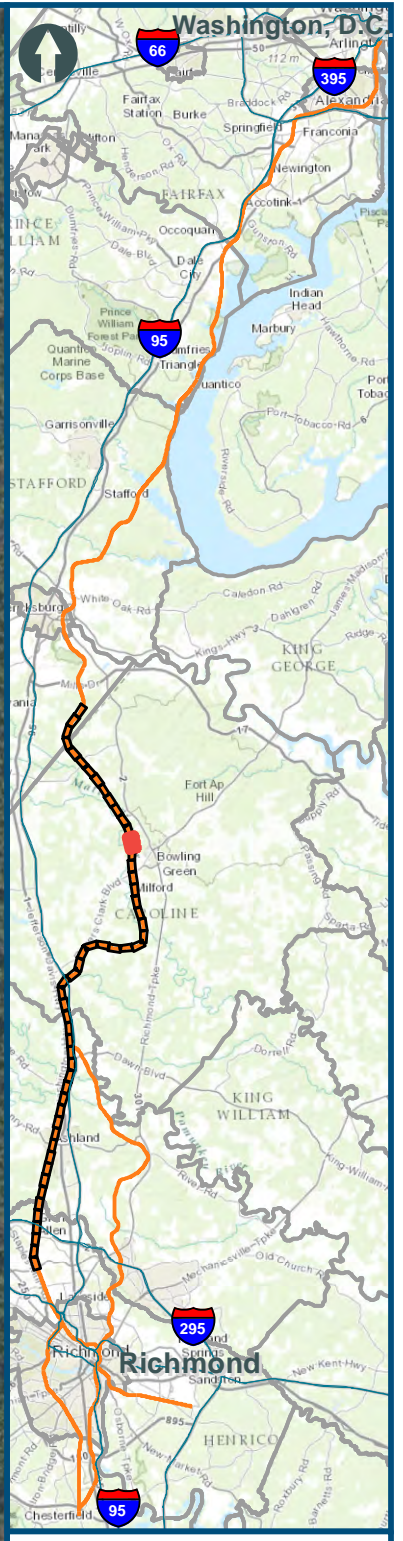
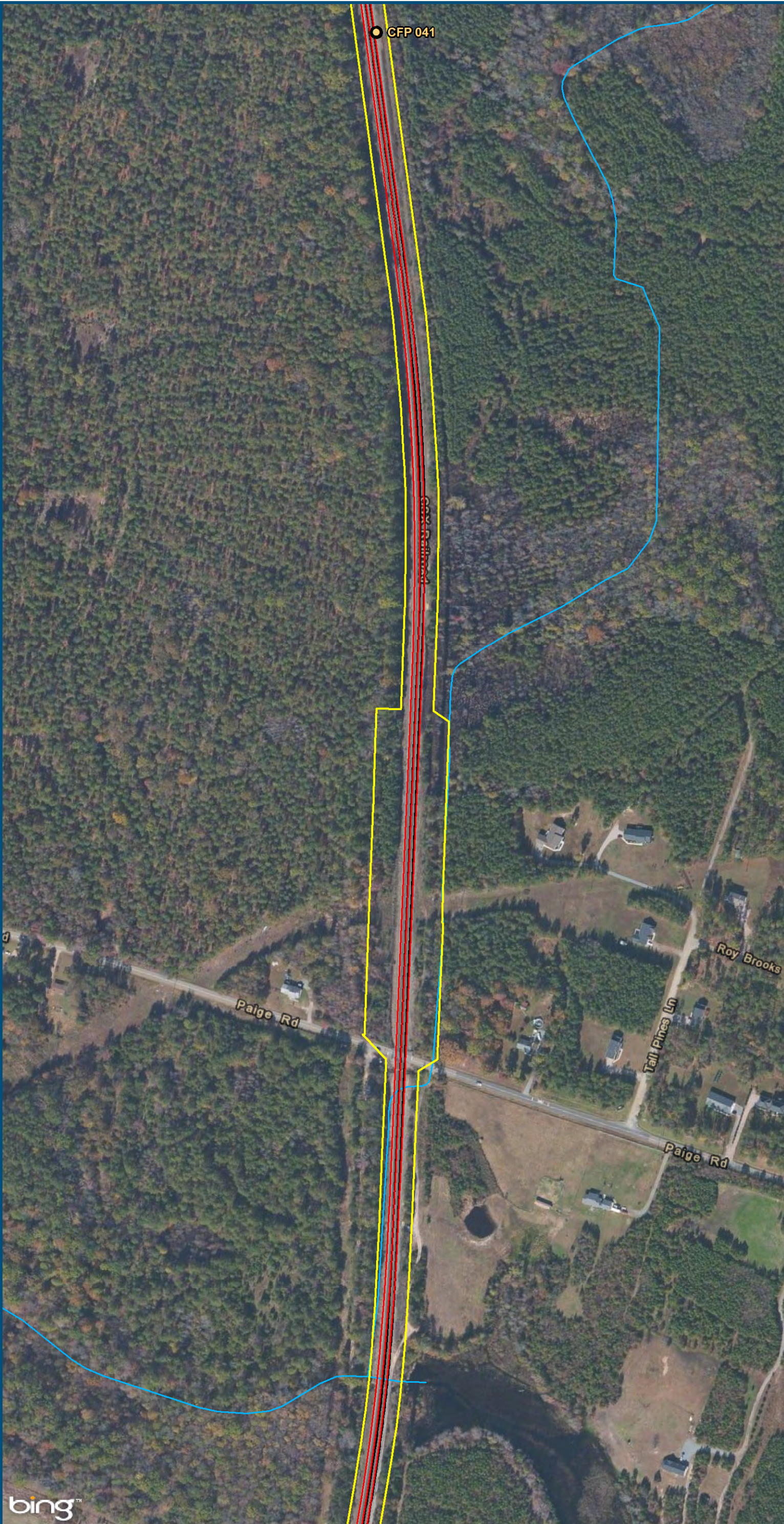
Figure P-12
Central Virginia
Constrained
Alignment Option



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

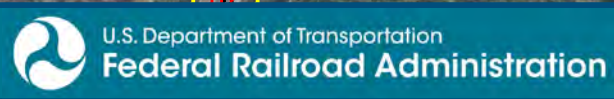
Figure P-13
Central Virginia
Constrained
Alignment Option

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

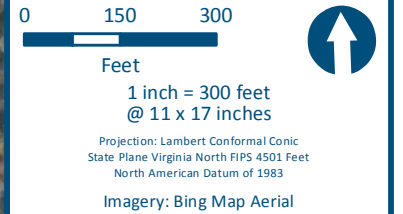
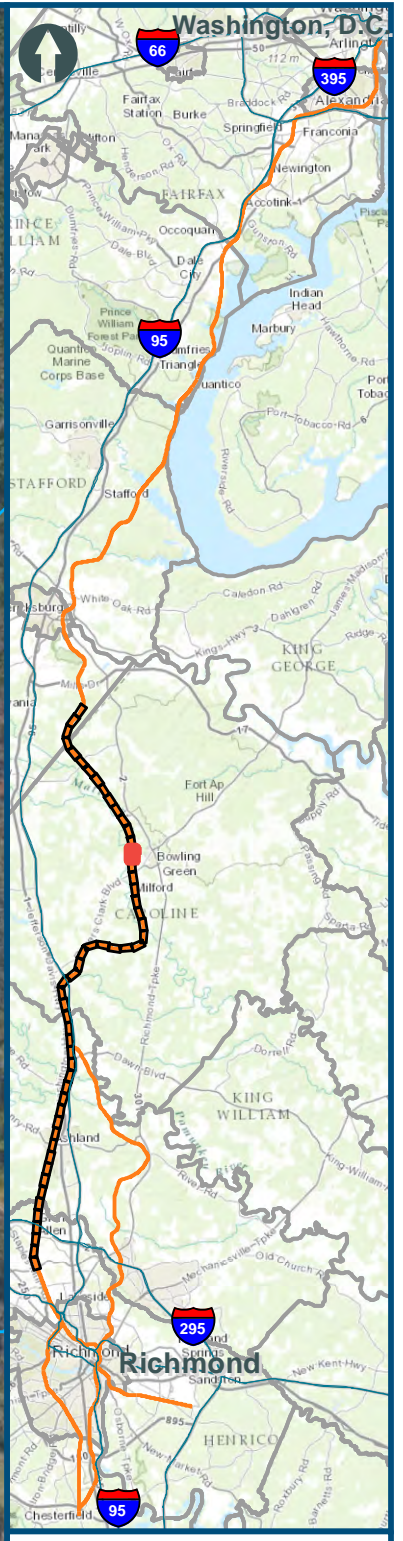
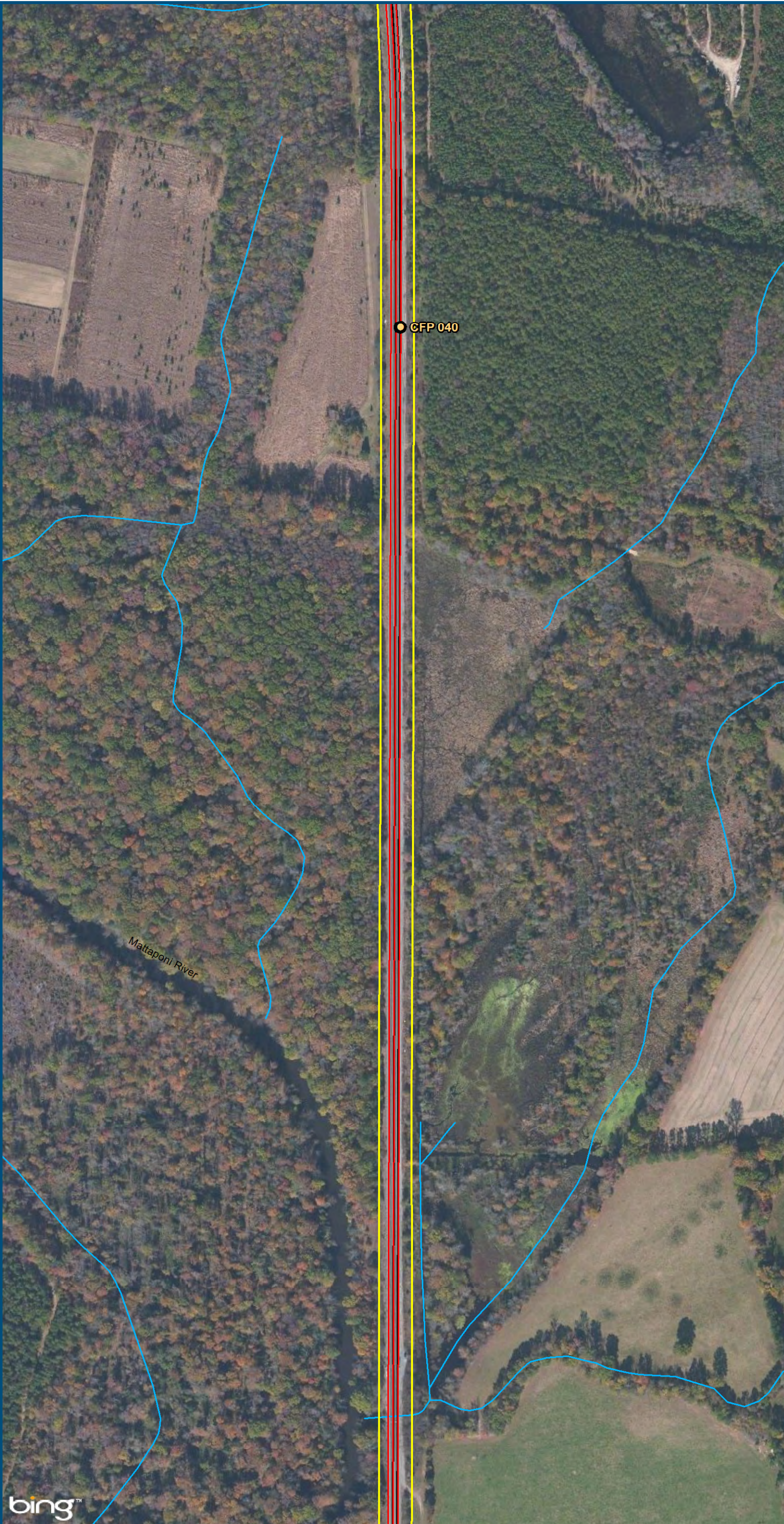
Figure P-14
Central Virginia
Constrained
Alignment Option



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\\slsmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-Concept\Eng\map_docs\mxd\Ail_Tech_Report\DC2RVA_Chr6_Appendices_CEN_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015








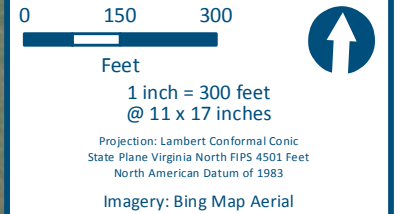
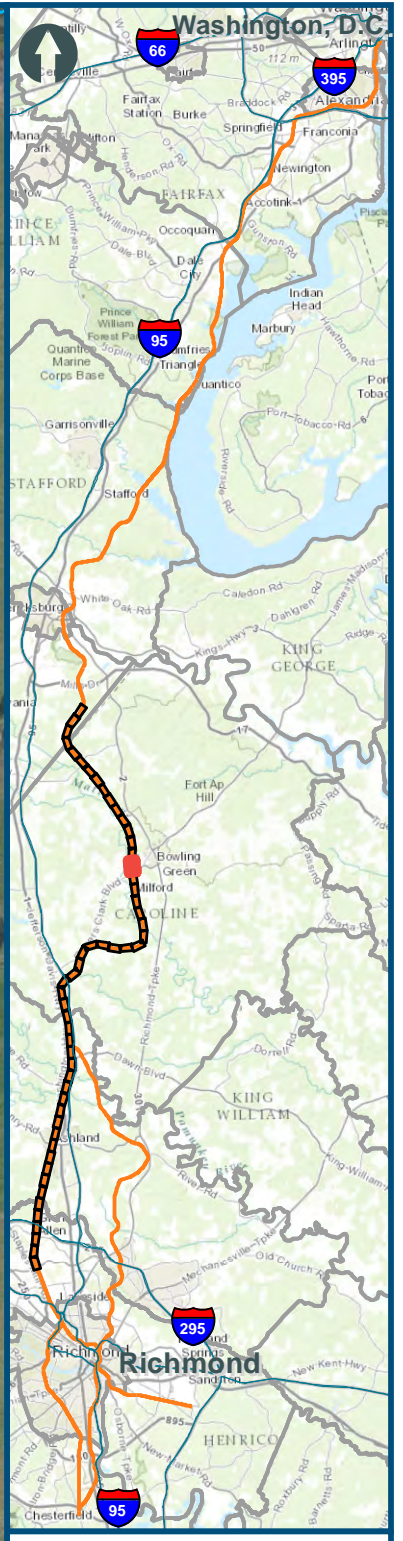
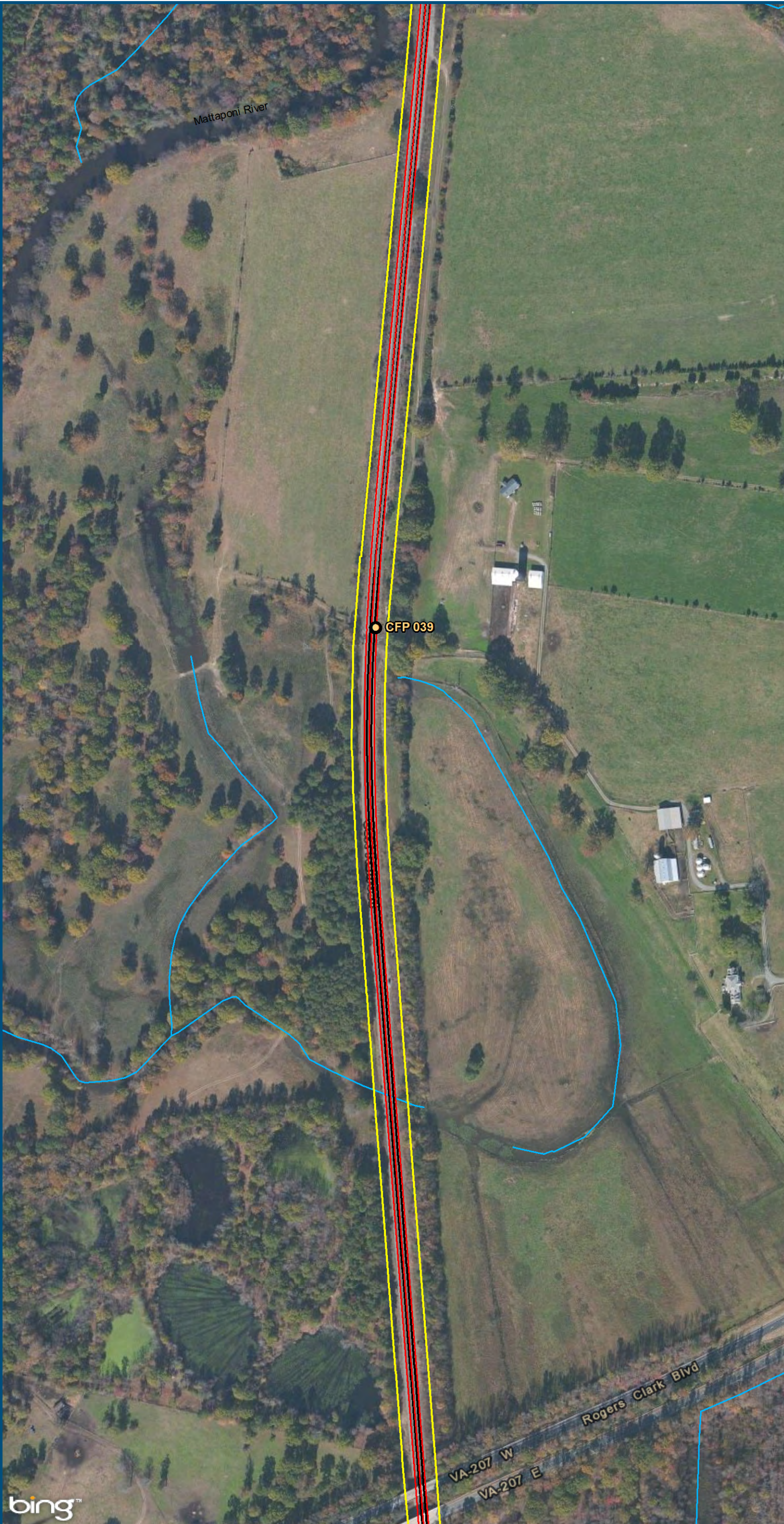
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

Figure P-15
Central Virginia
Constrained
Alignment Option

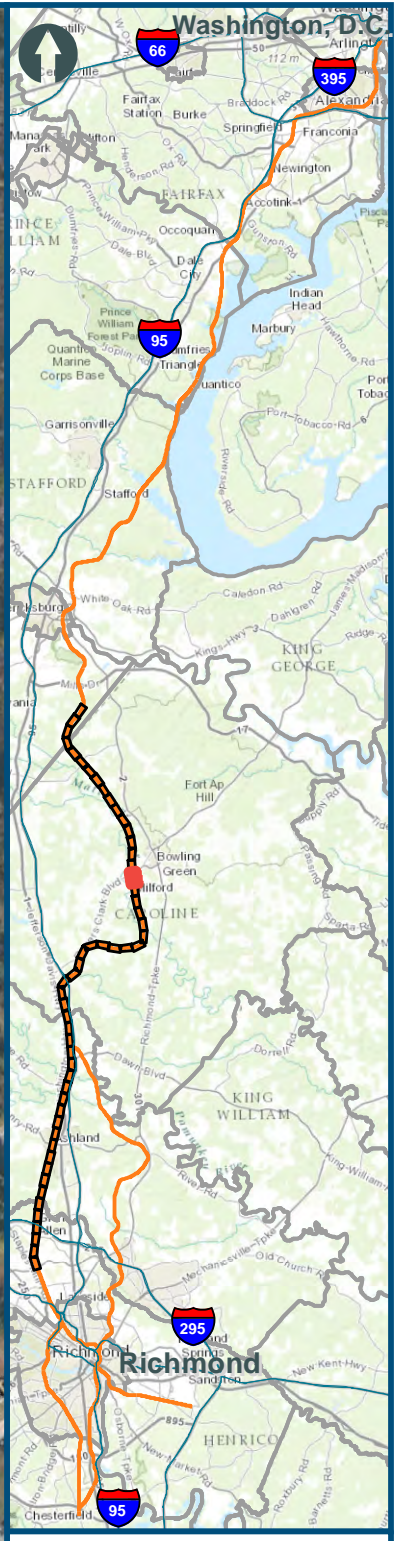
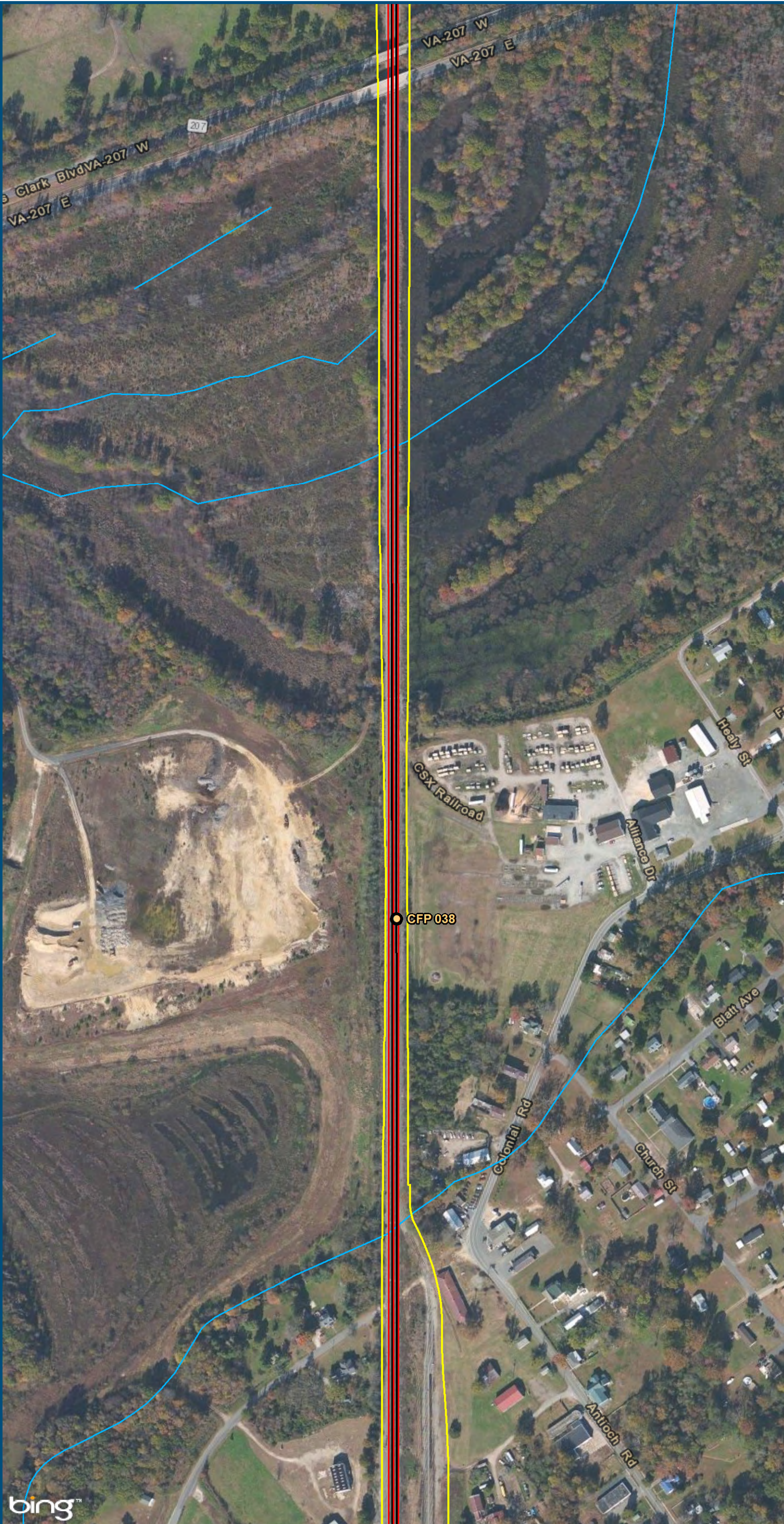
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-16
Central Virginia
Constrained
Alignment Option

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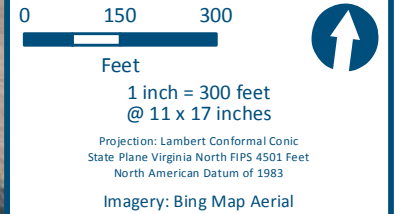
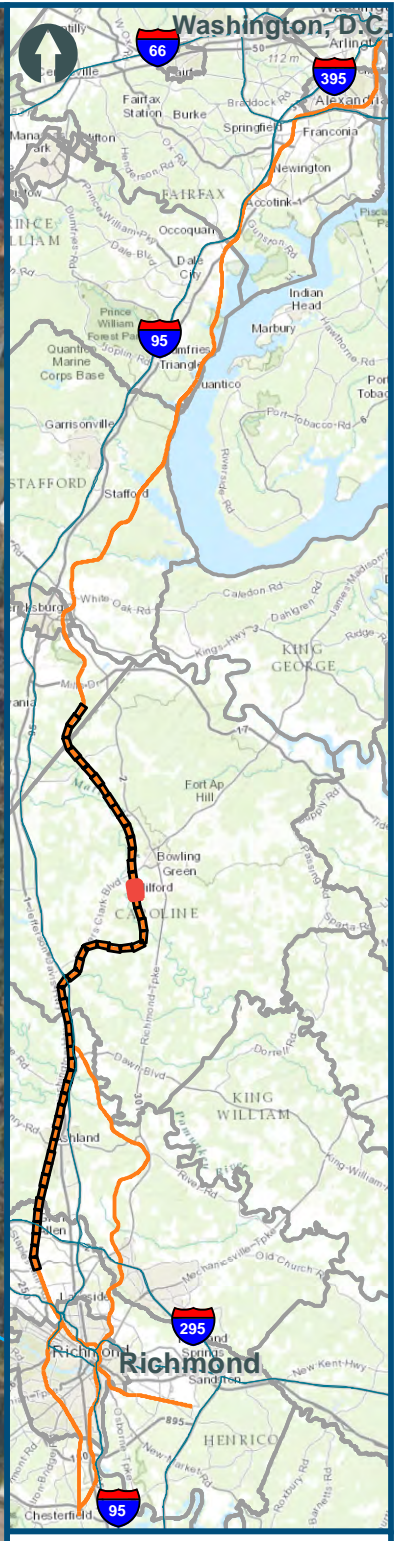
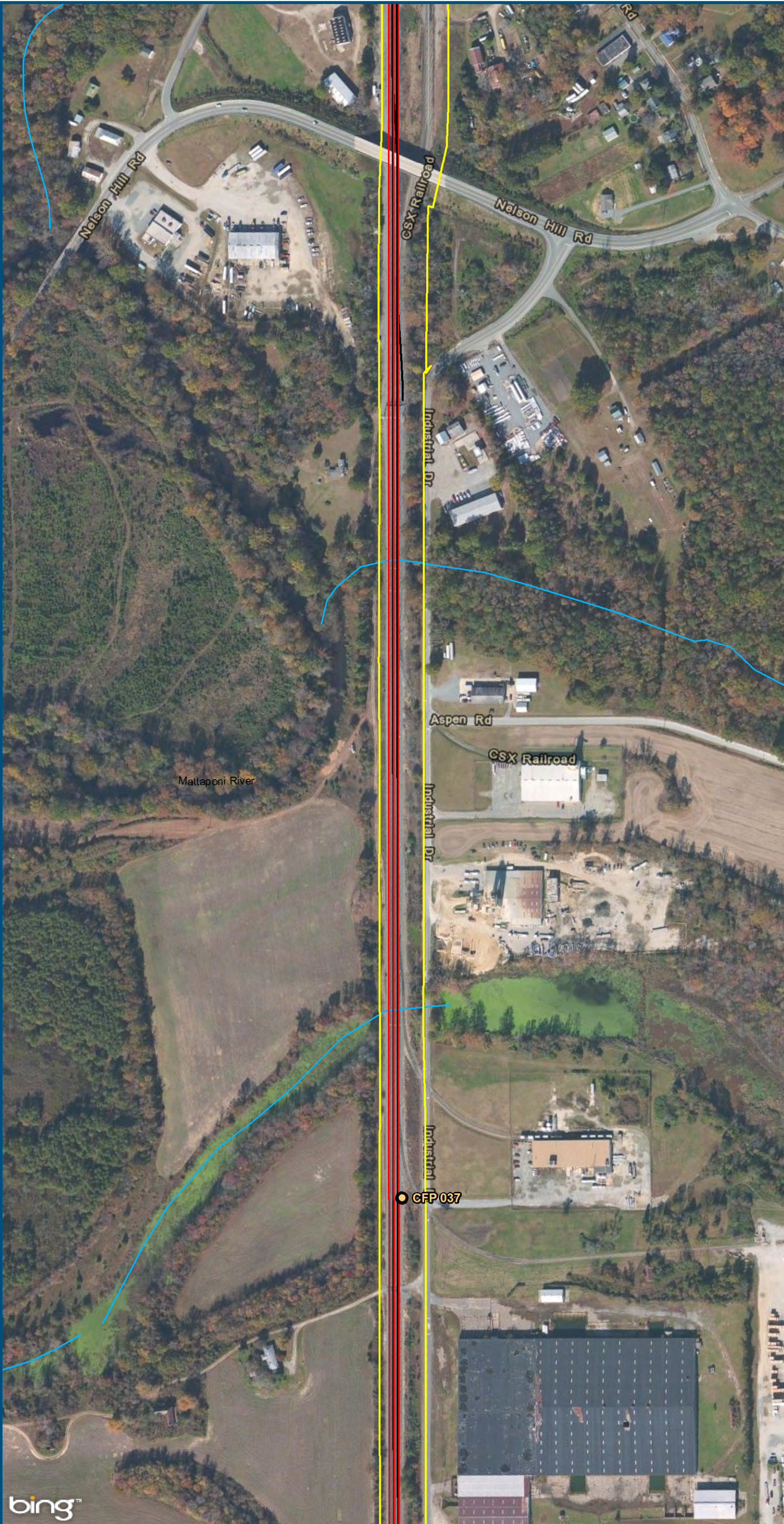
0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

Legend

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

Figure P-17
Central Virginia
Constrained
Alignment Option

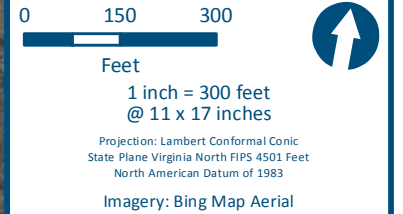
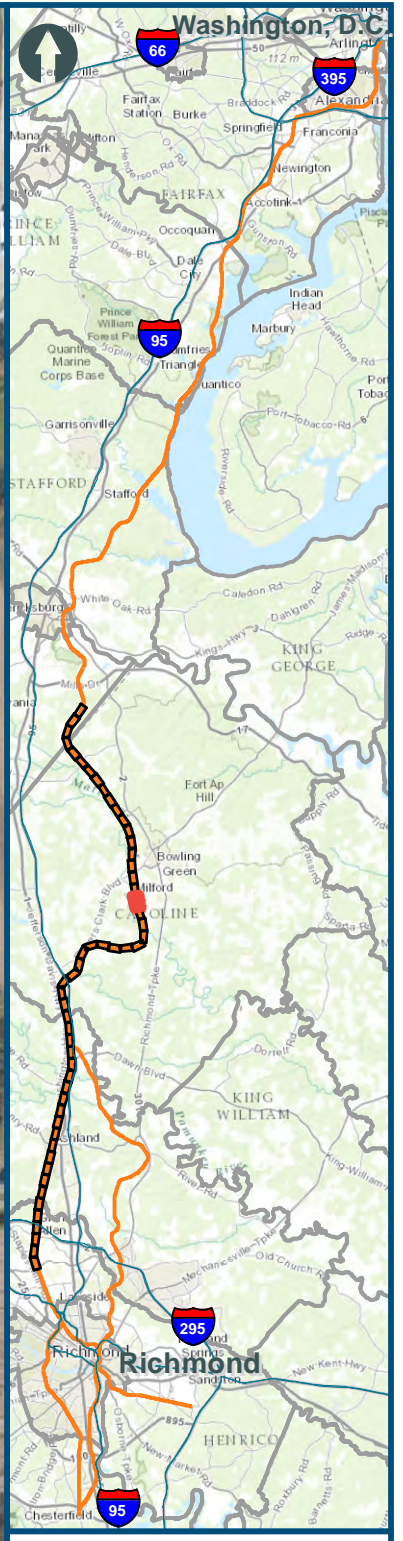
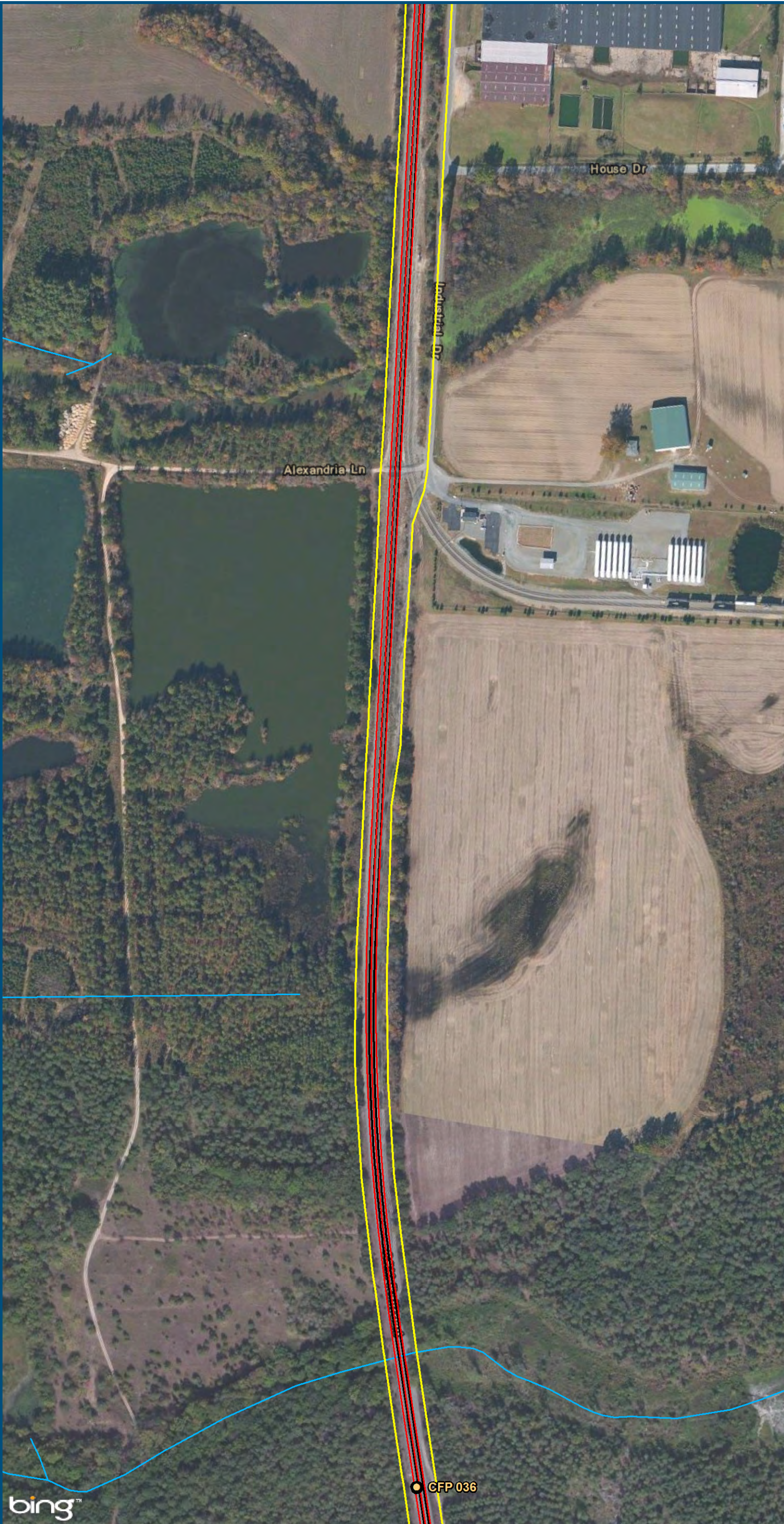
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-18
Central Virginia
Constrained
Alignment Option

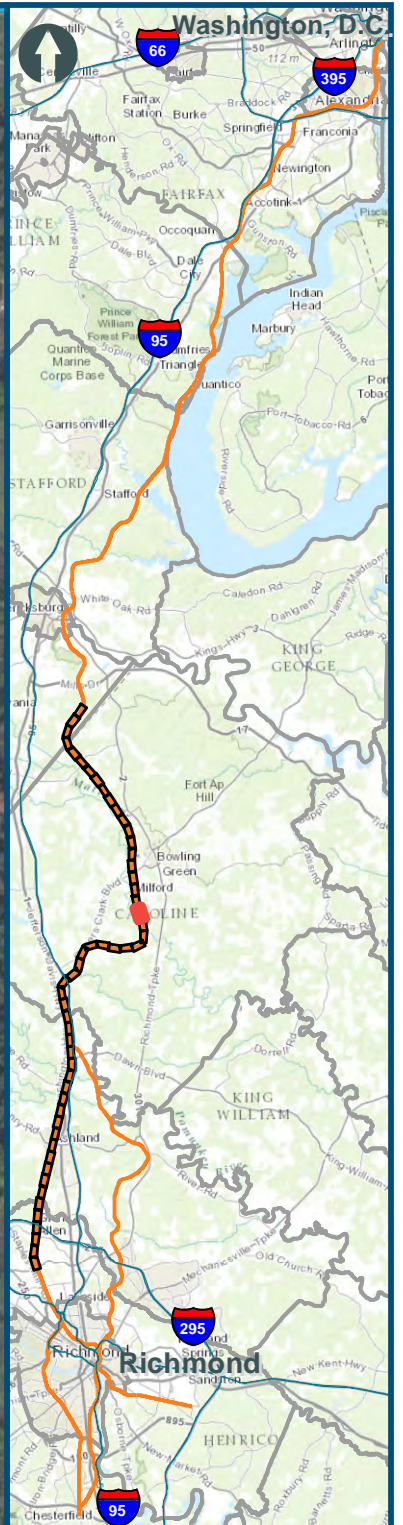
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

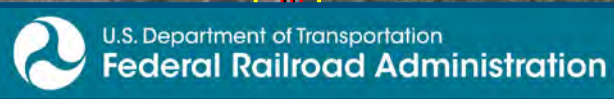
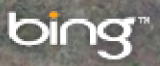
Figure P-19
Central Virginia
Constrained
Alignment Option

● CFP 036



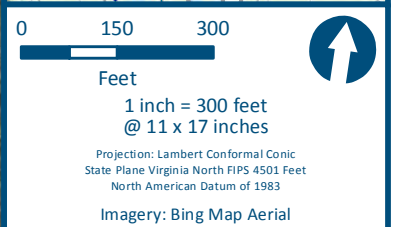
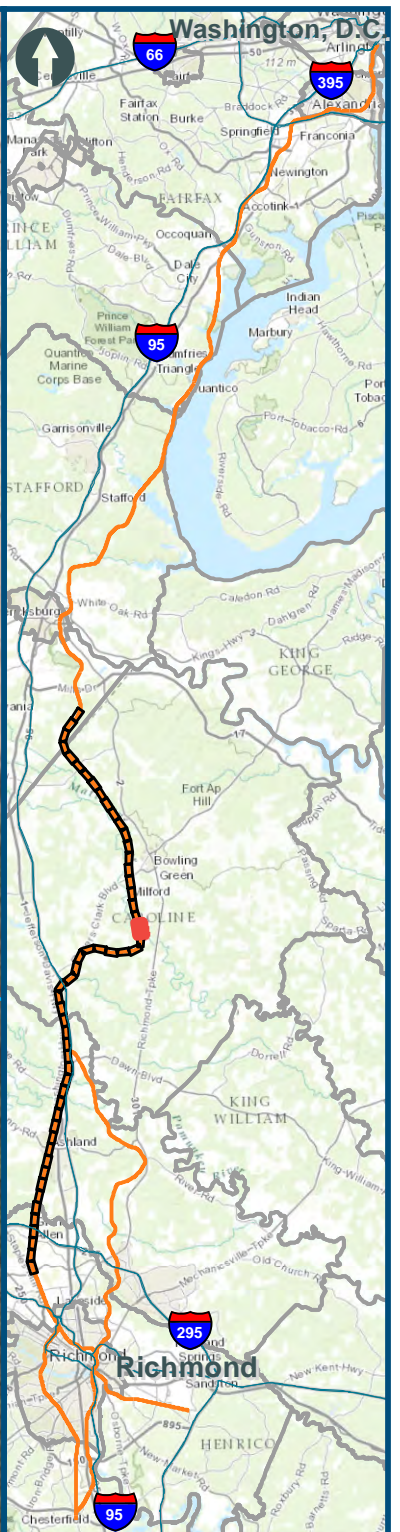
- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-20
Central Virginia
Constrained
Alignment Option



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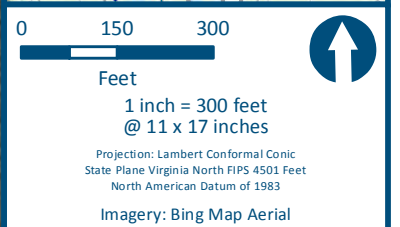
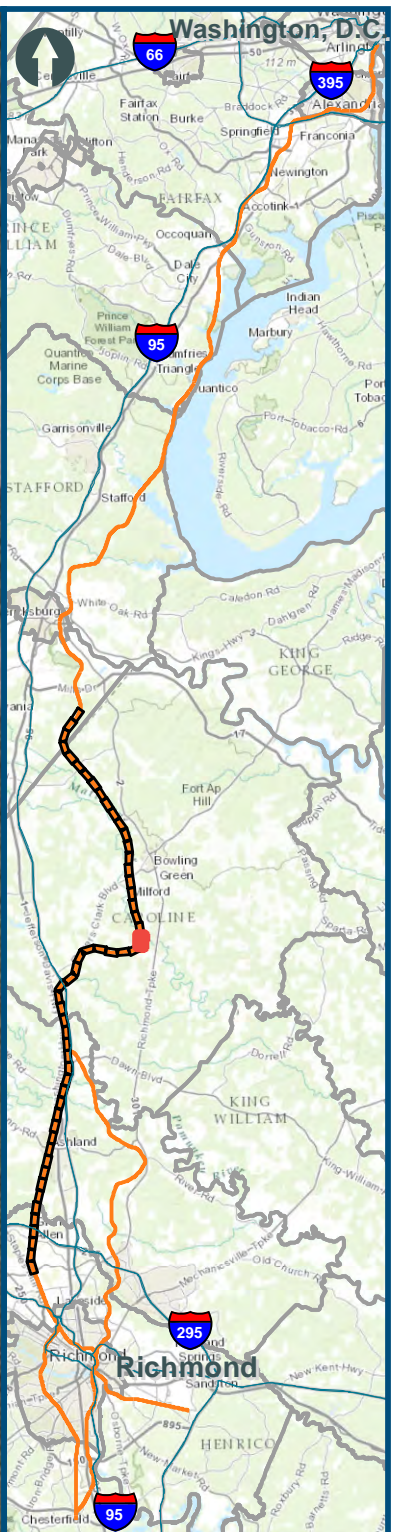
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

Figure P-21
Central Virginia
Constrained
Alignment Option

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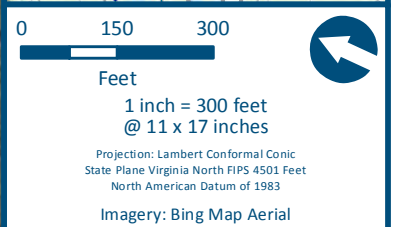
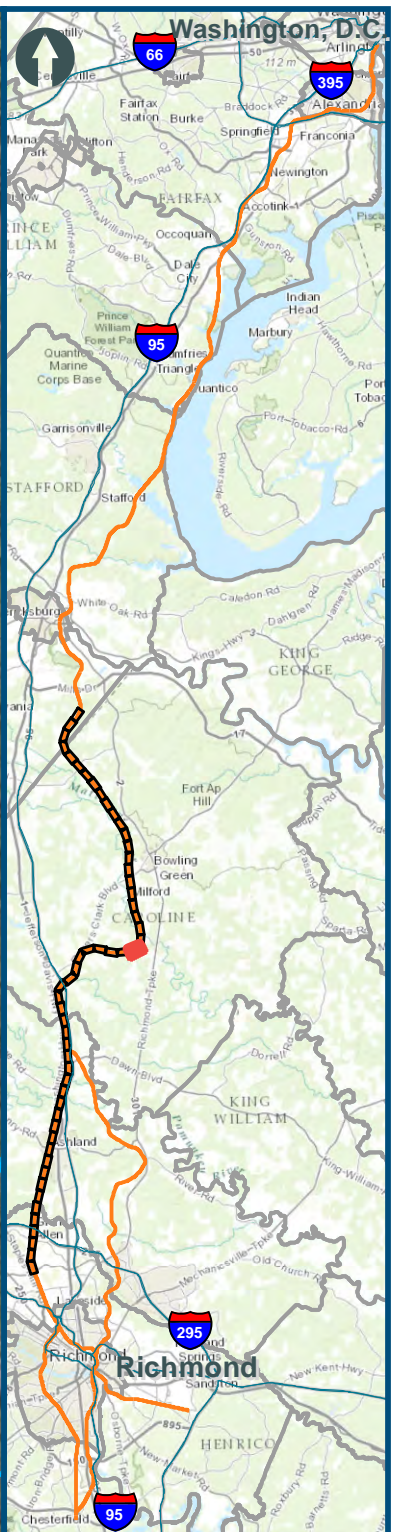
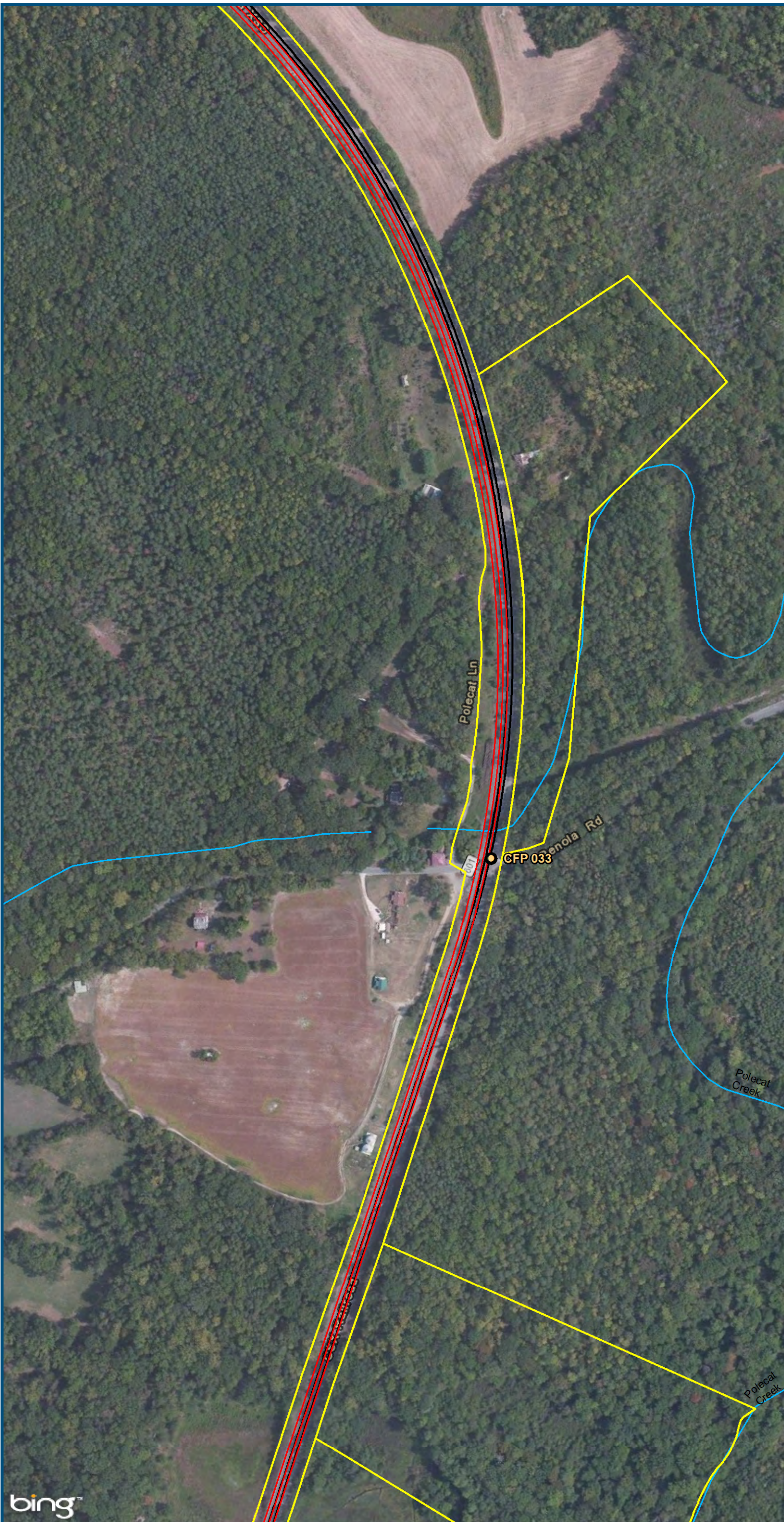
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

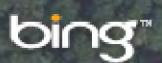
Figure P-22
Central Virginia
Constrained
Alignment Option

\\dlmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\IDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_CEN_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015



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

Figure P-23
Central Virginia
Constrained
Alignment Option

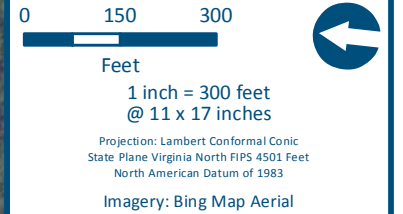
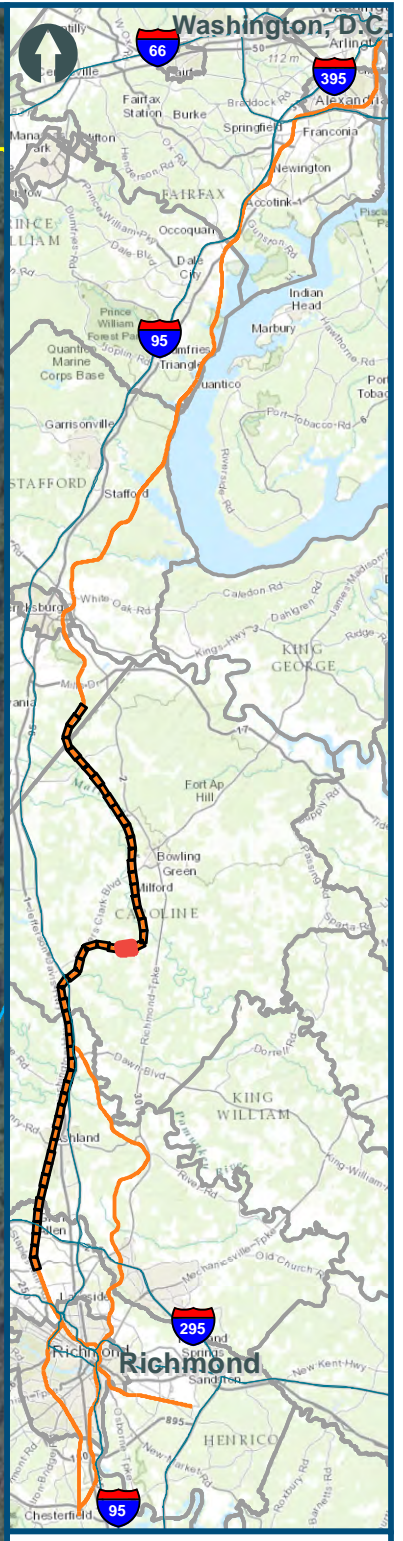
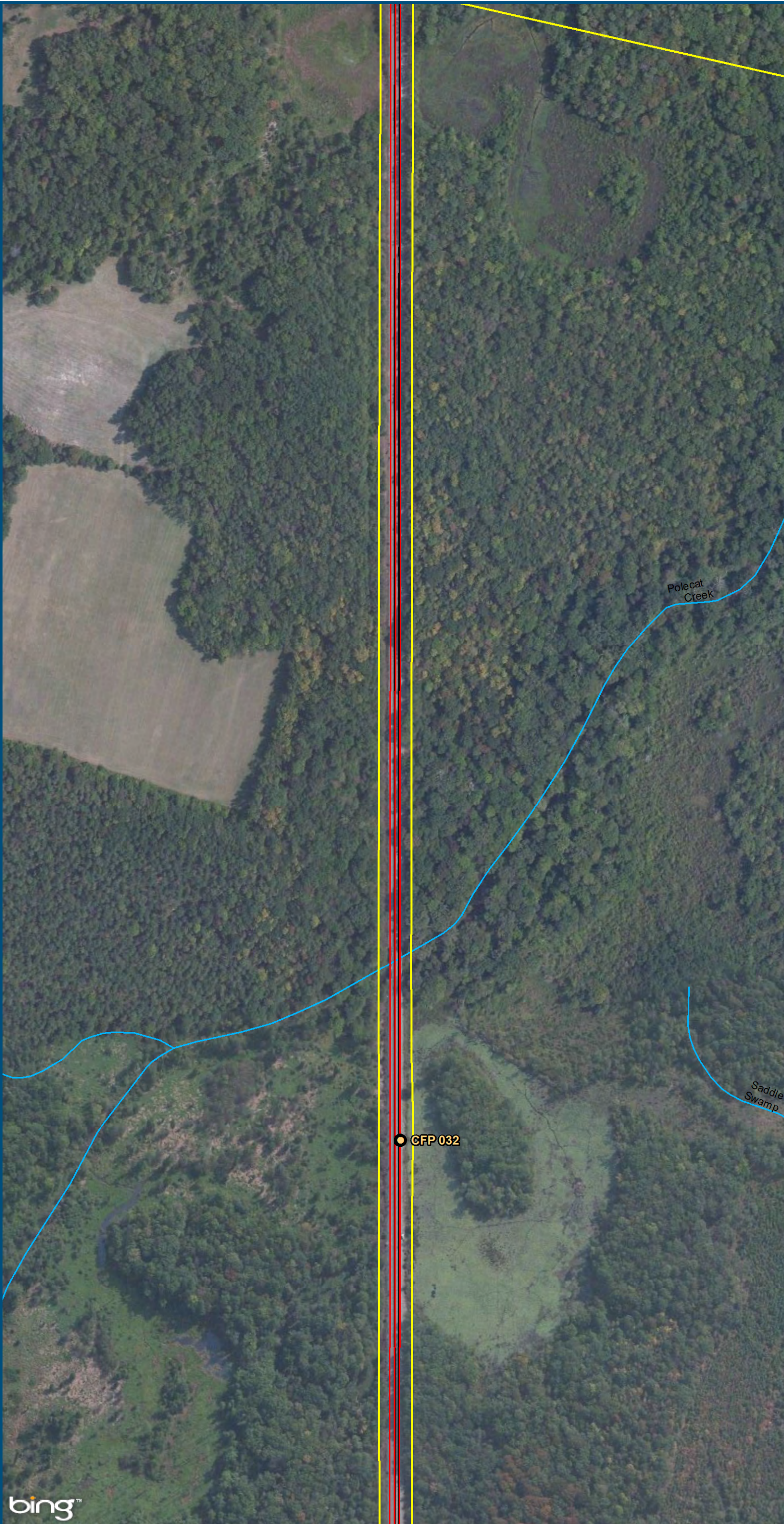


U.S. Department of Transportation
Federal Railroad Administration

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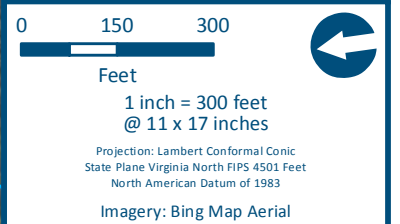
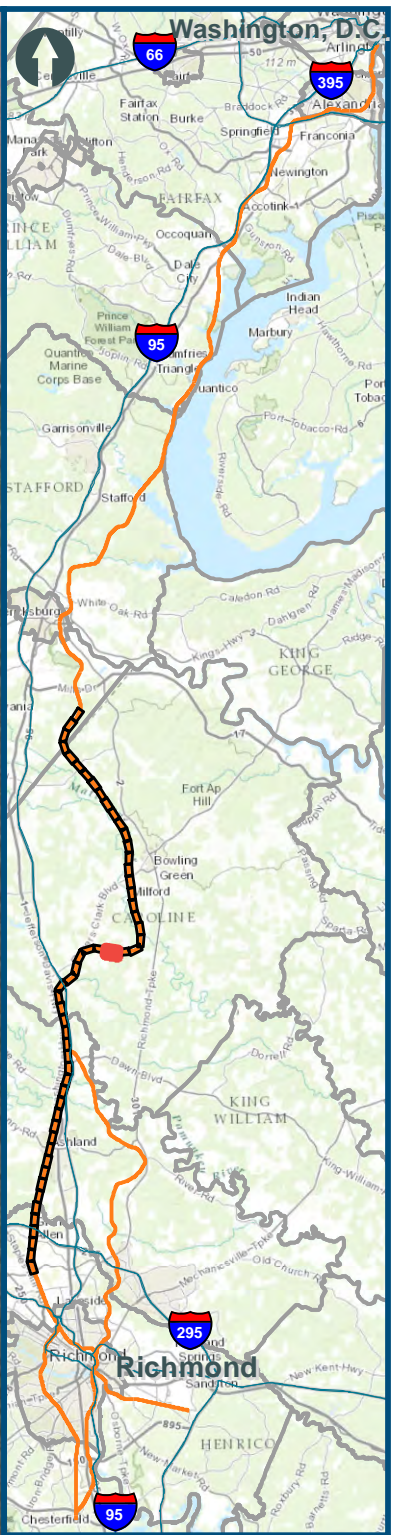
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-24
Central Virginia
Constrained
Alignment Option

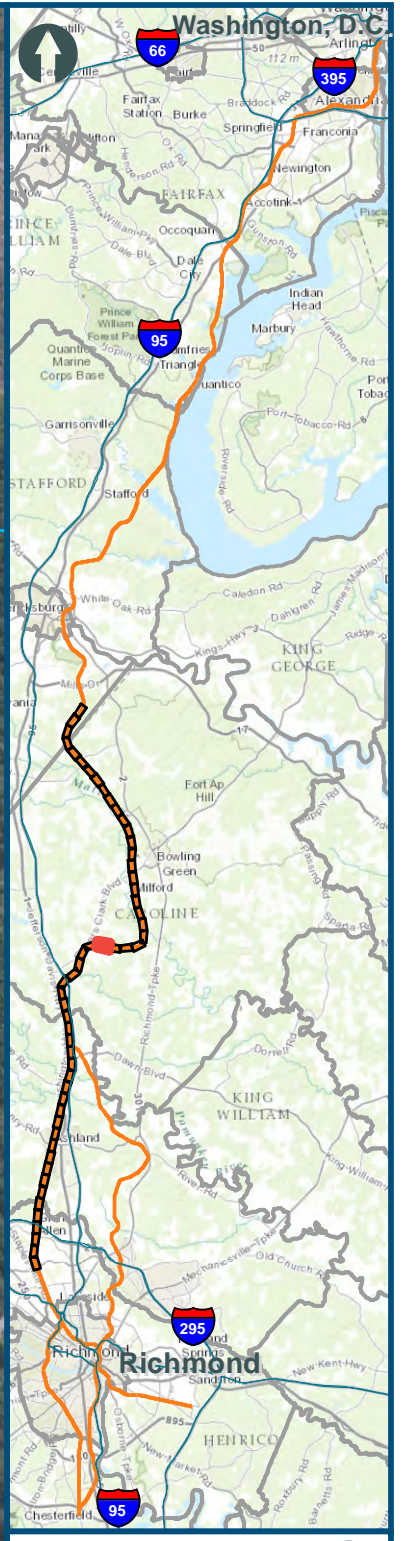
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-25
Central Virginia
Constrained
Alignment Option

\\dlismain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_CEN_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015

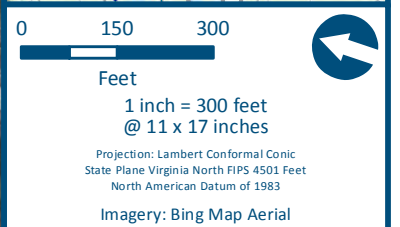
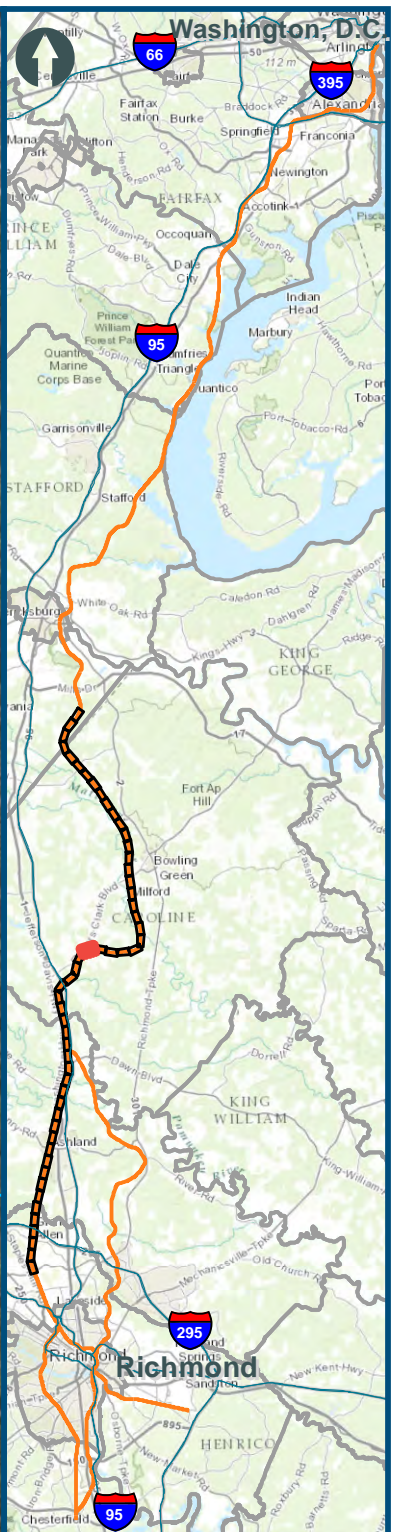


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure P-26
Central Virginia
Constrained
Alignment Option

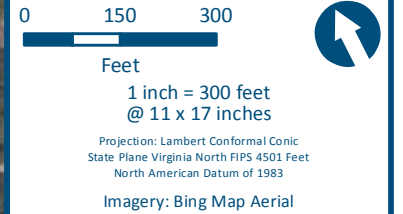
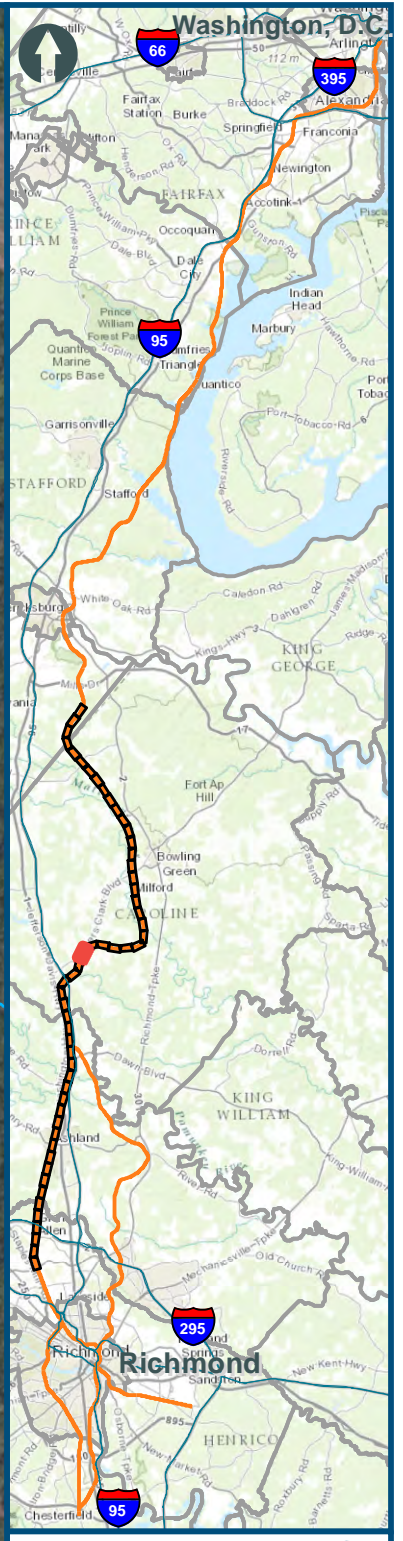
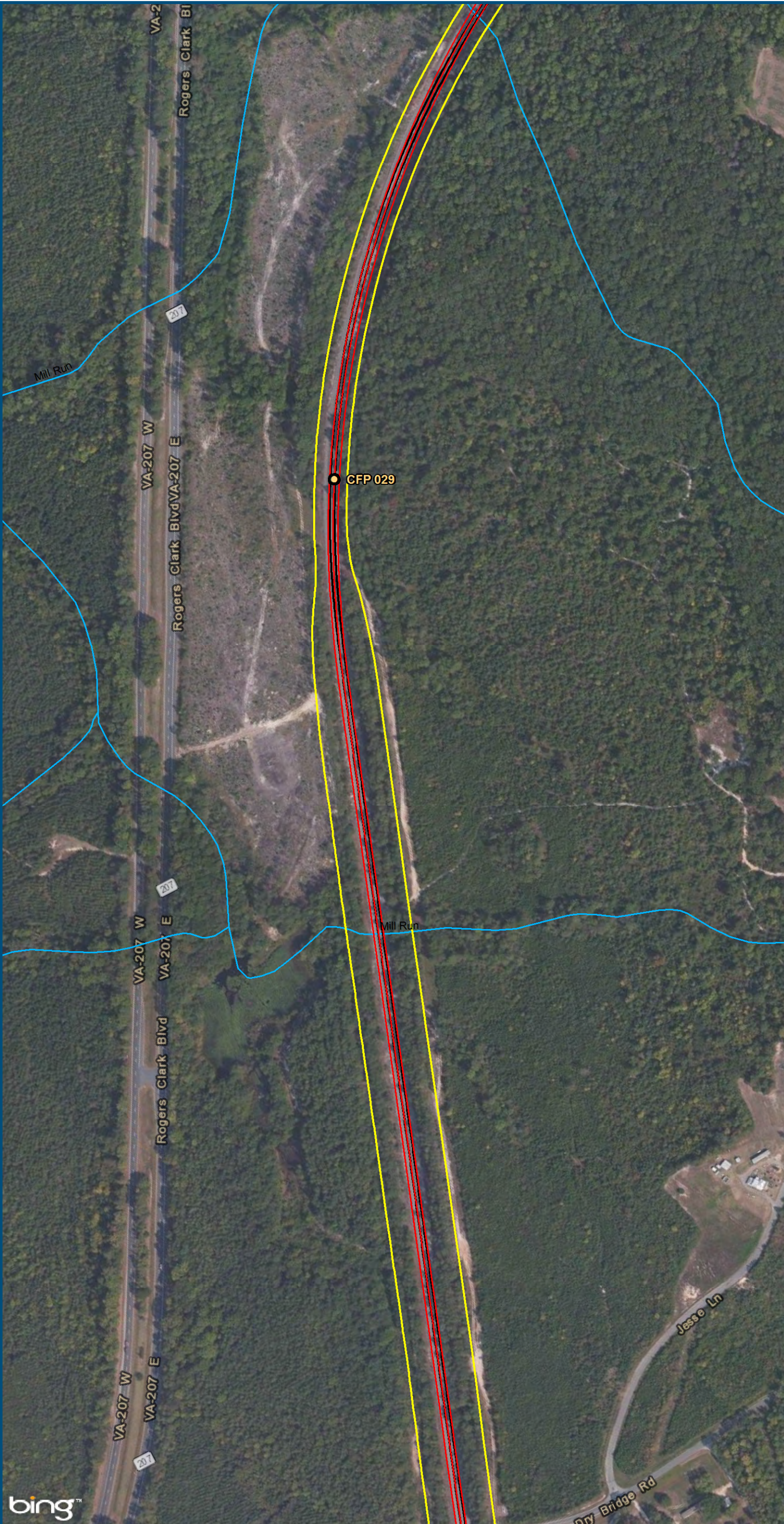
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-27
Central Virginia
Constrained
Alignment Option

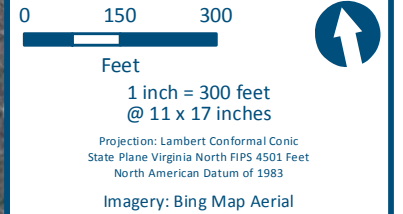
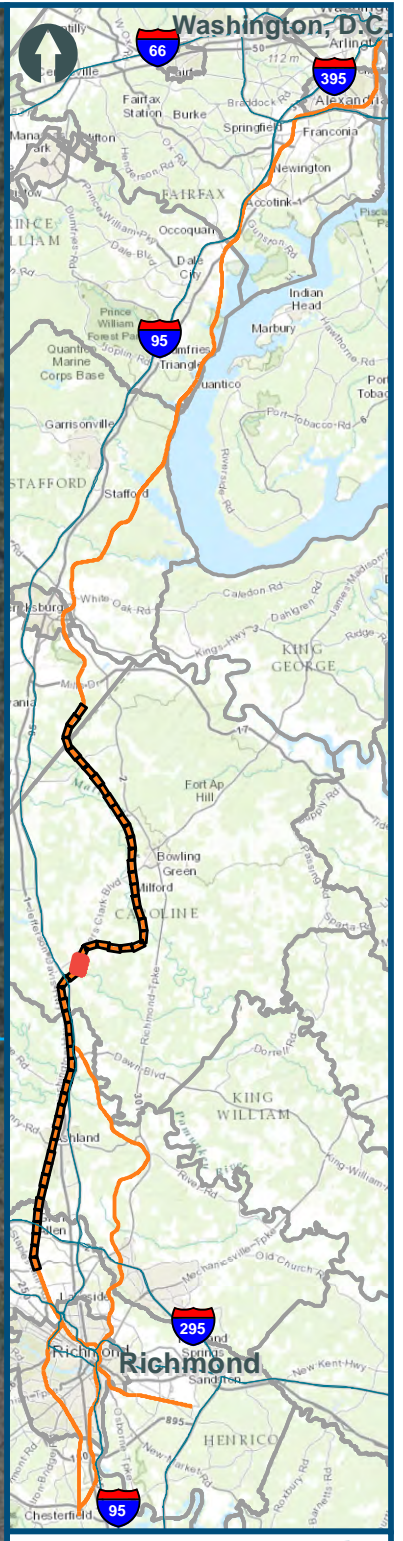
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-28
Central Virginia
Constrained
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_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015








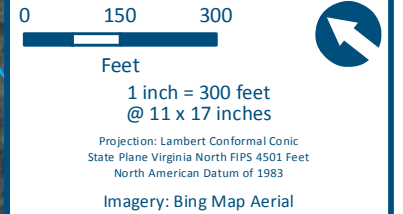
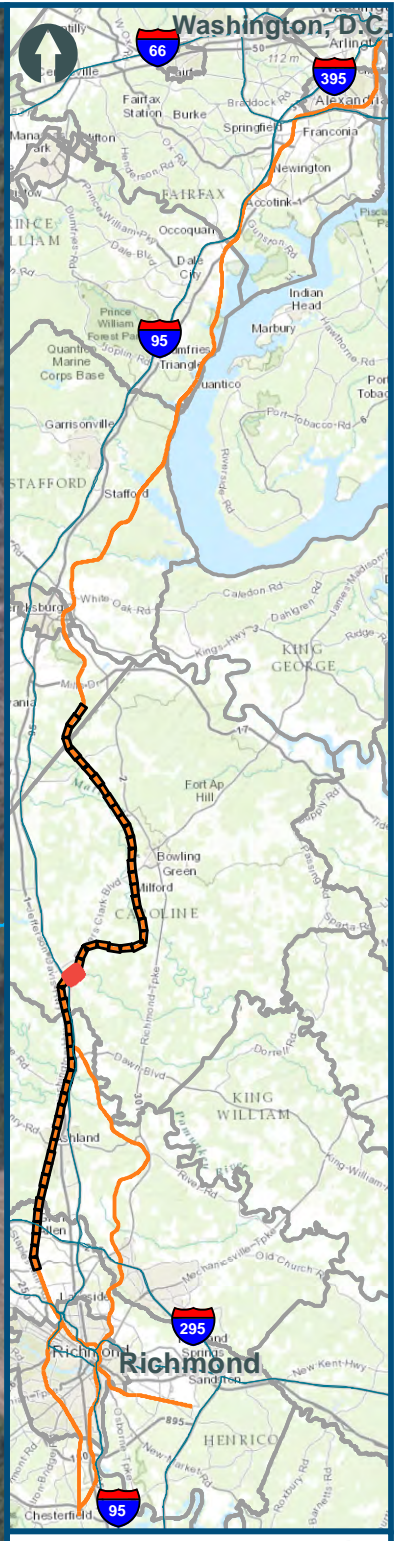
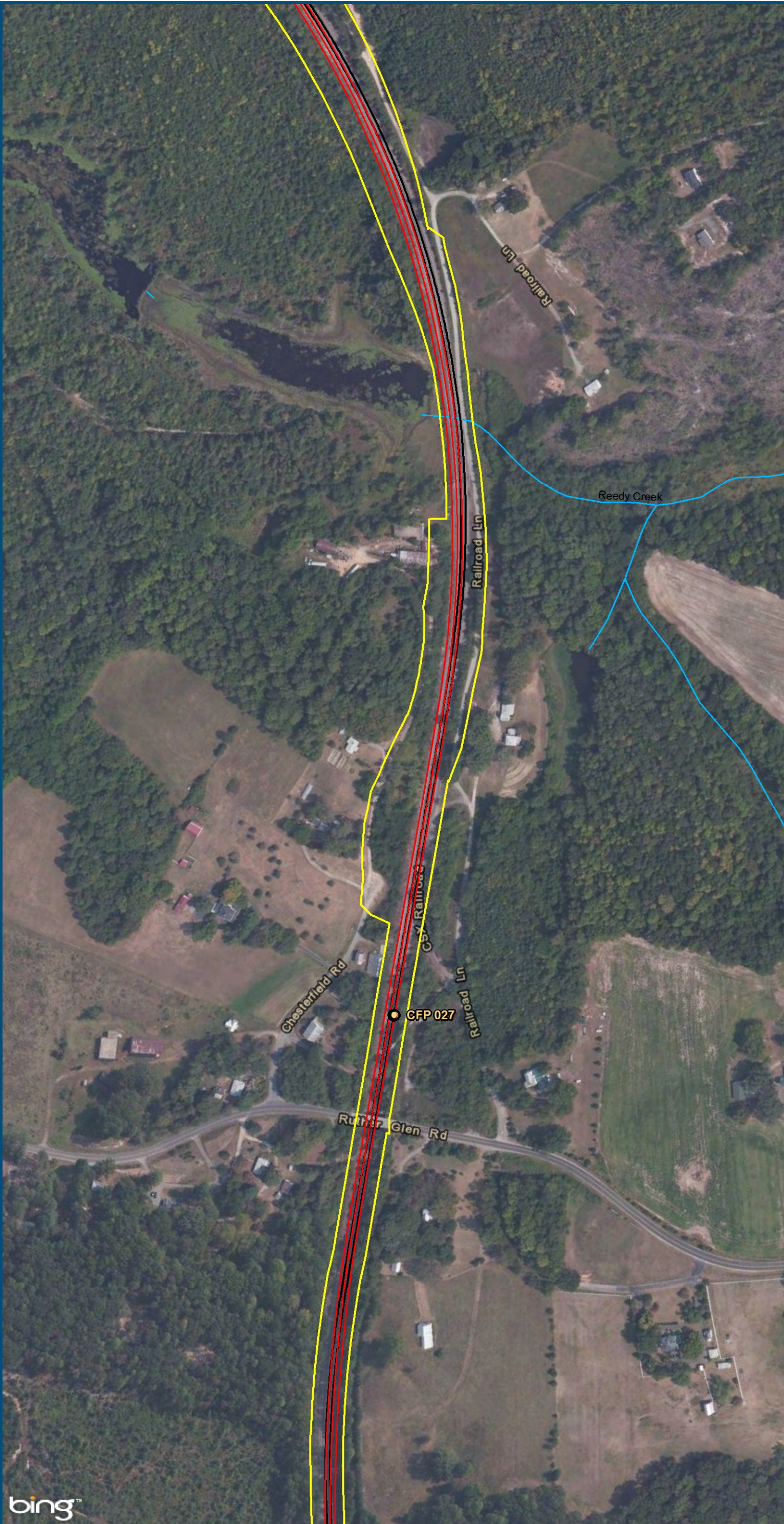
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

Figure P-29
Central Virginia
Constrained
Alignment Option

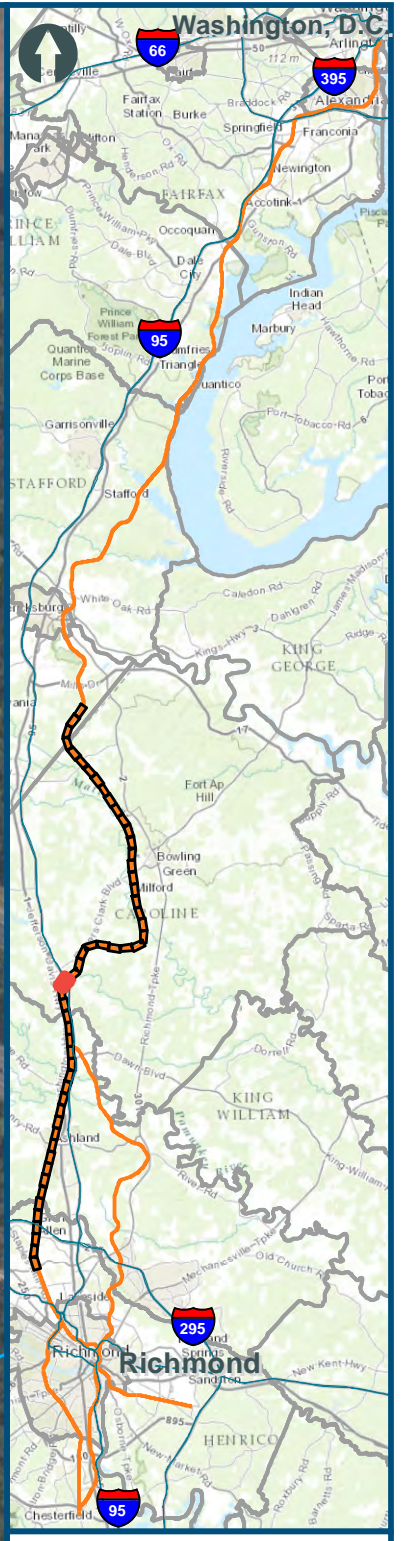
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-30
Central Virginia
Constrained
Alignment Option

\\slsmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_CEN_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015

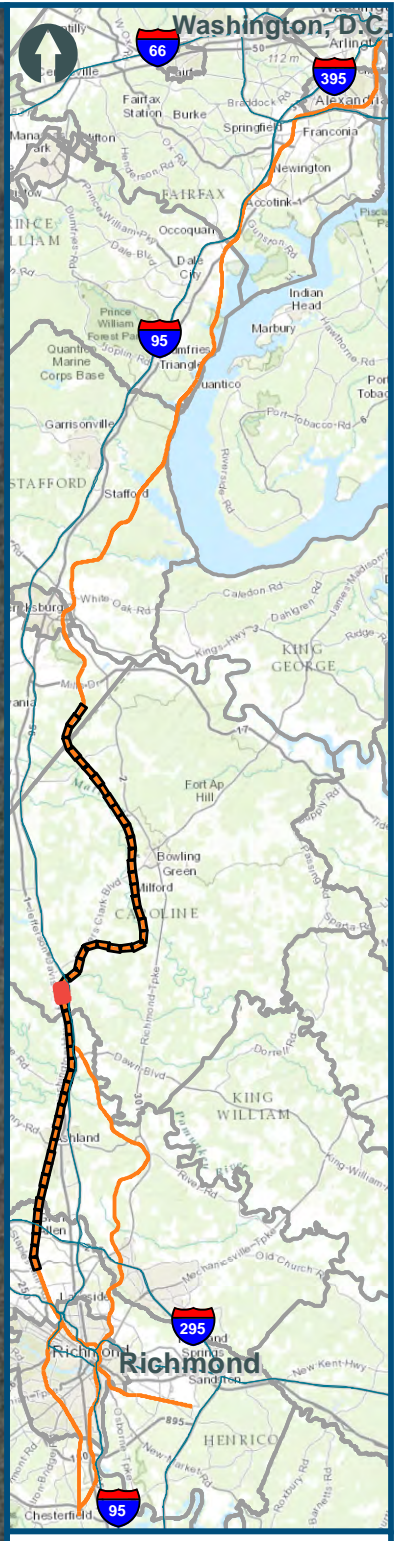
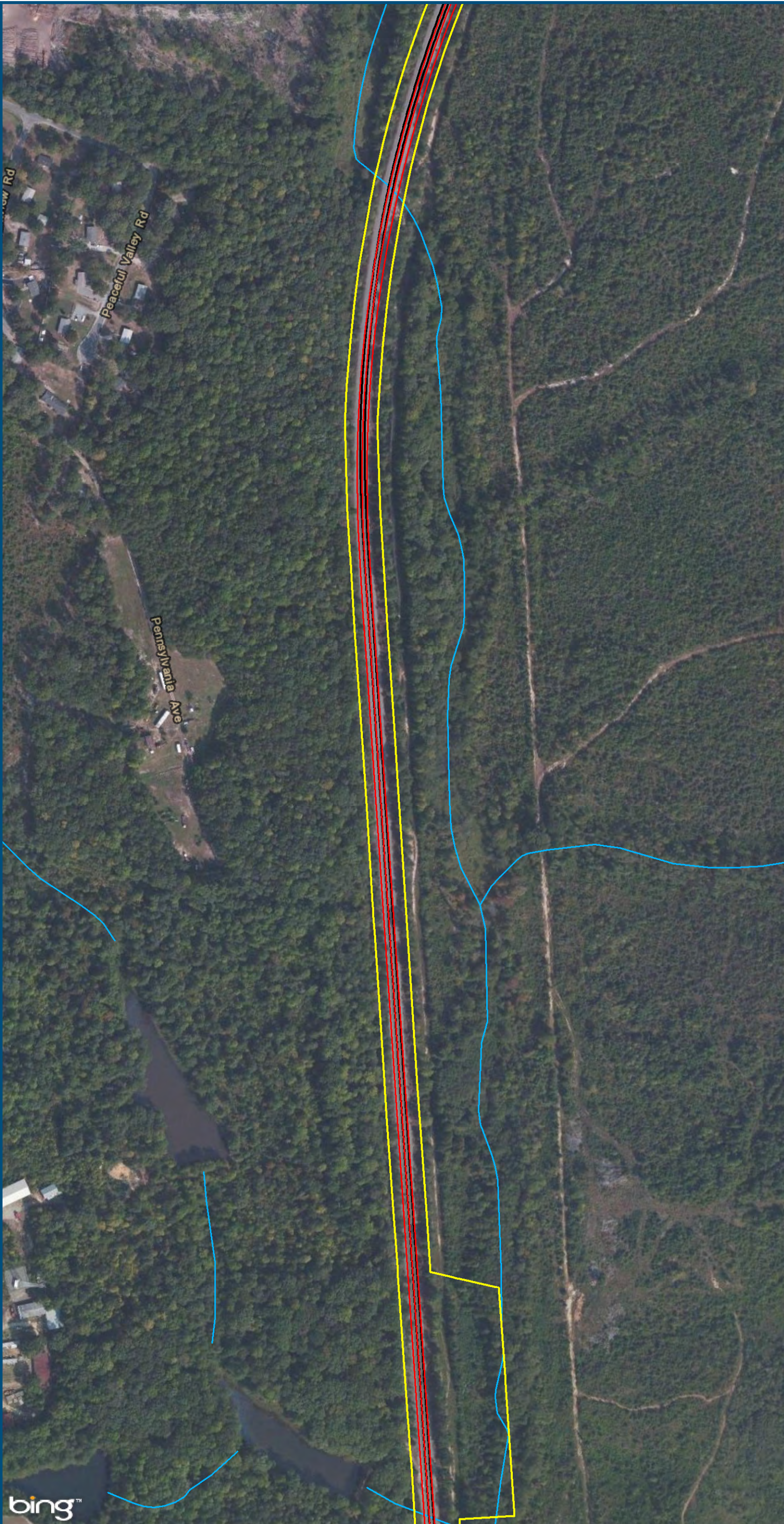


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure P-31
Central Virginia
Constrained
Alignment Option

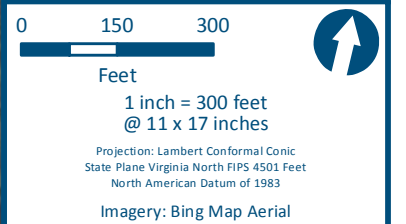
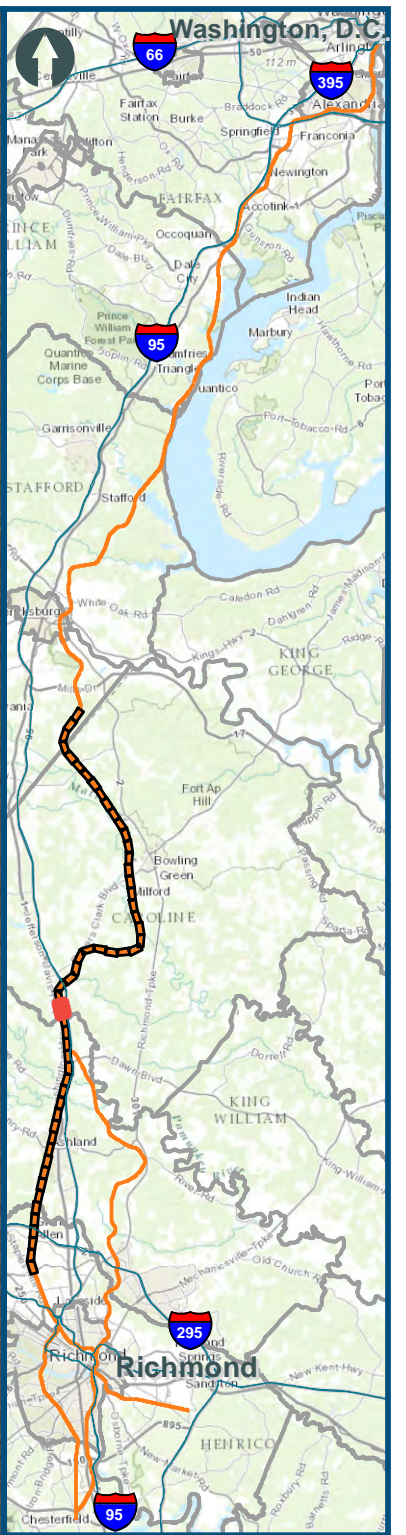
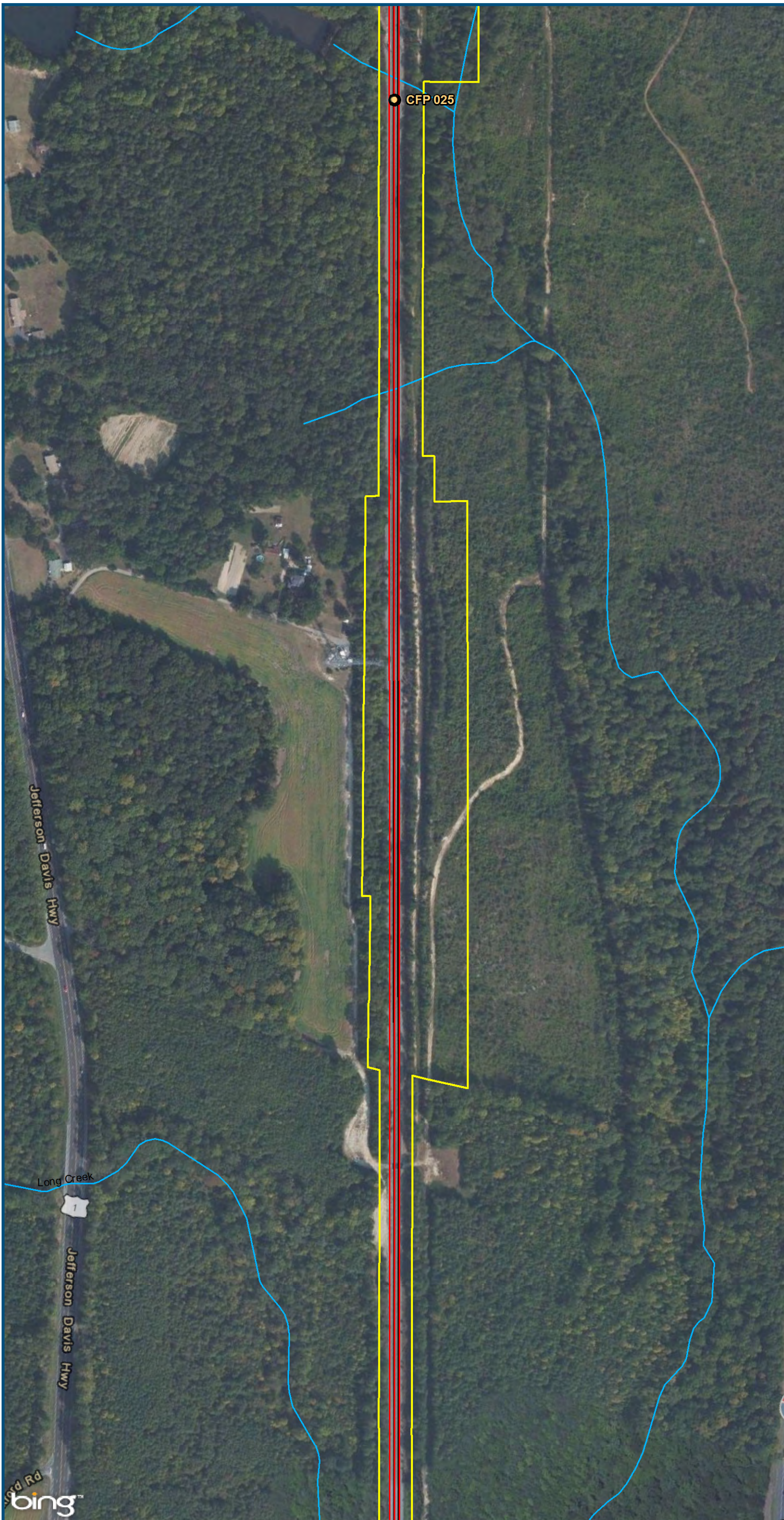
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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

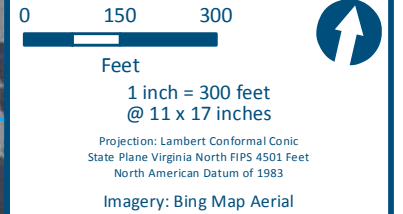
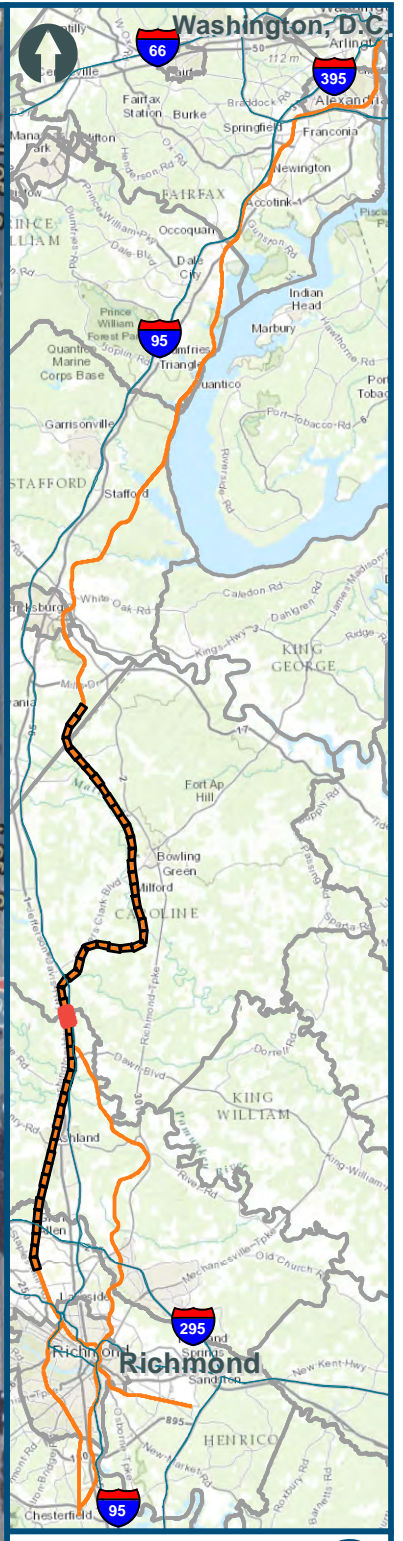
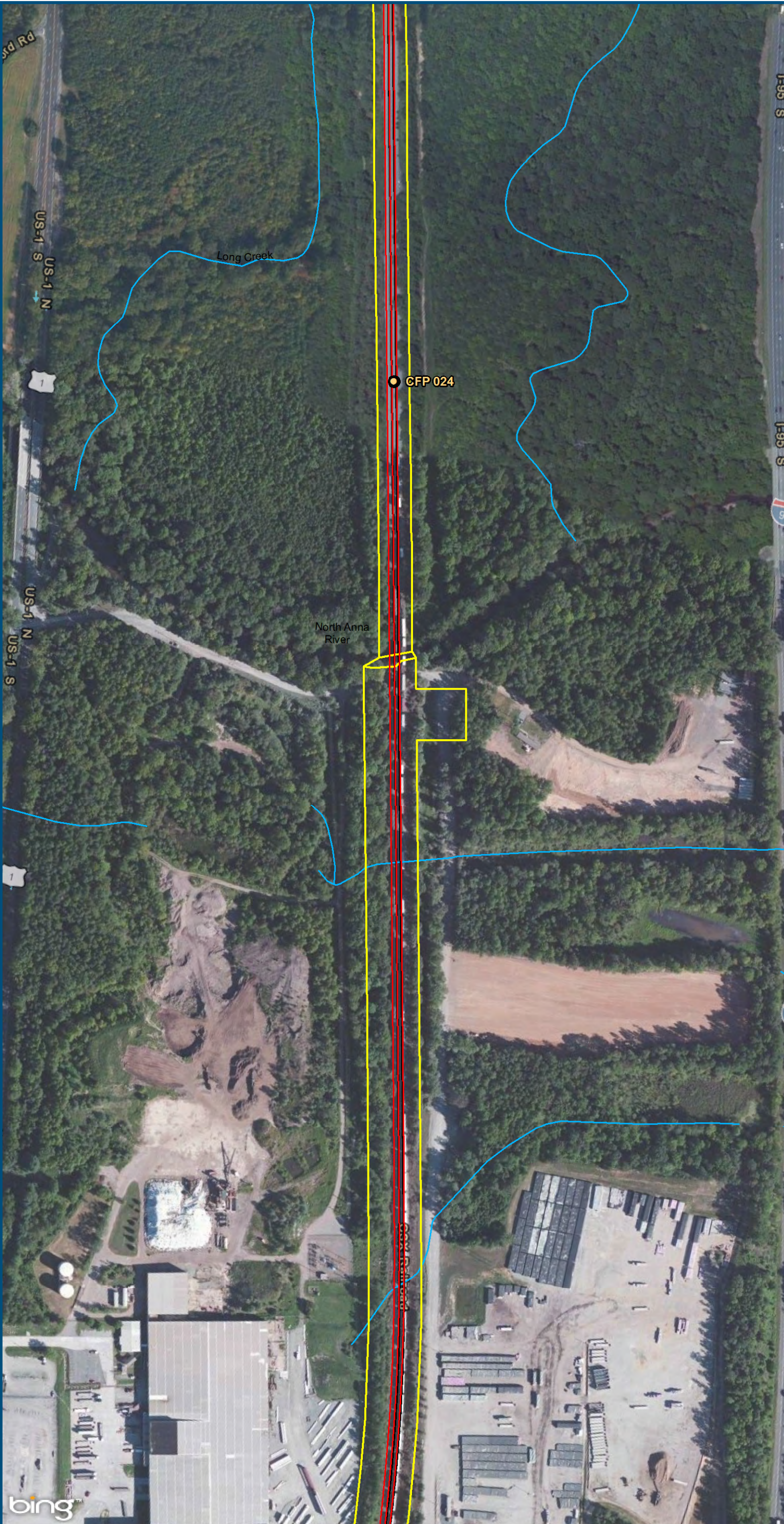
Figure P-32
Central Virginia
Constrained
Alignment Option



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

Figure P-33
Central Virginia
Constrained
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_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015








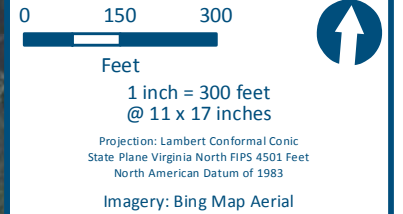
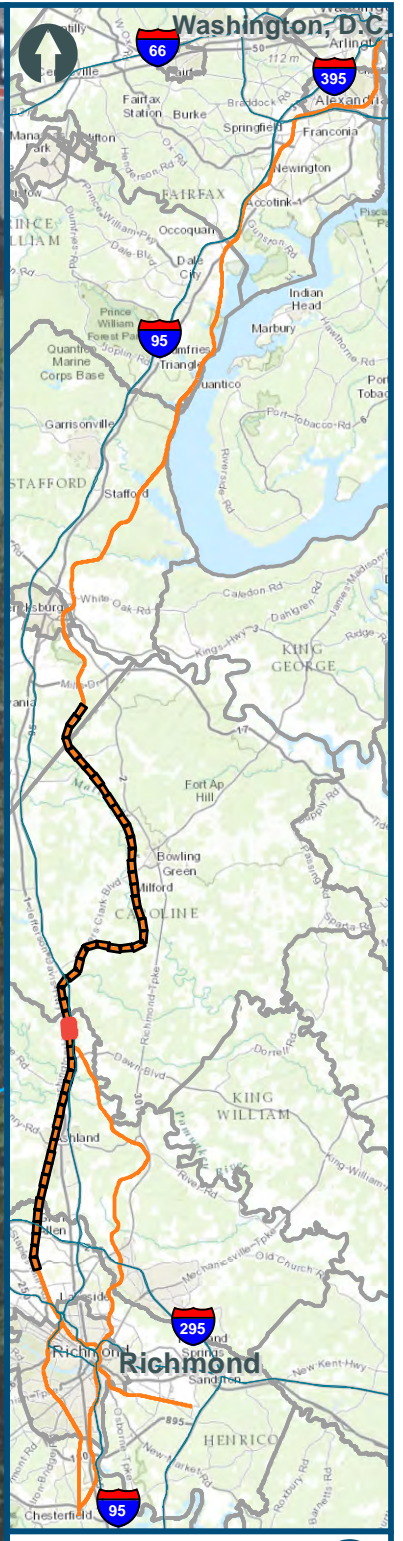
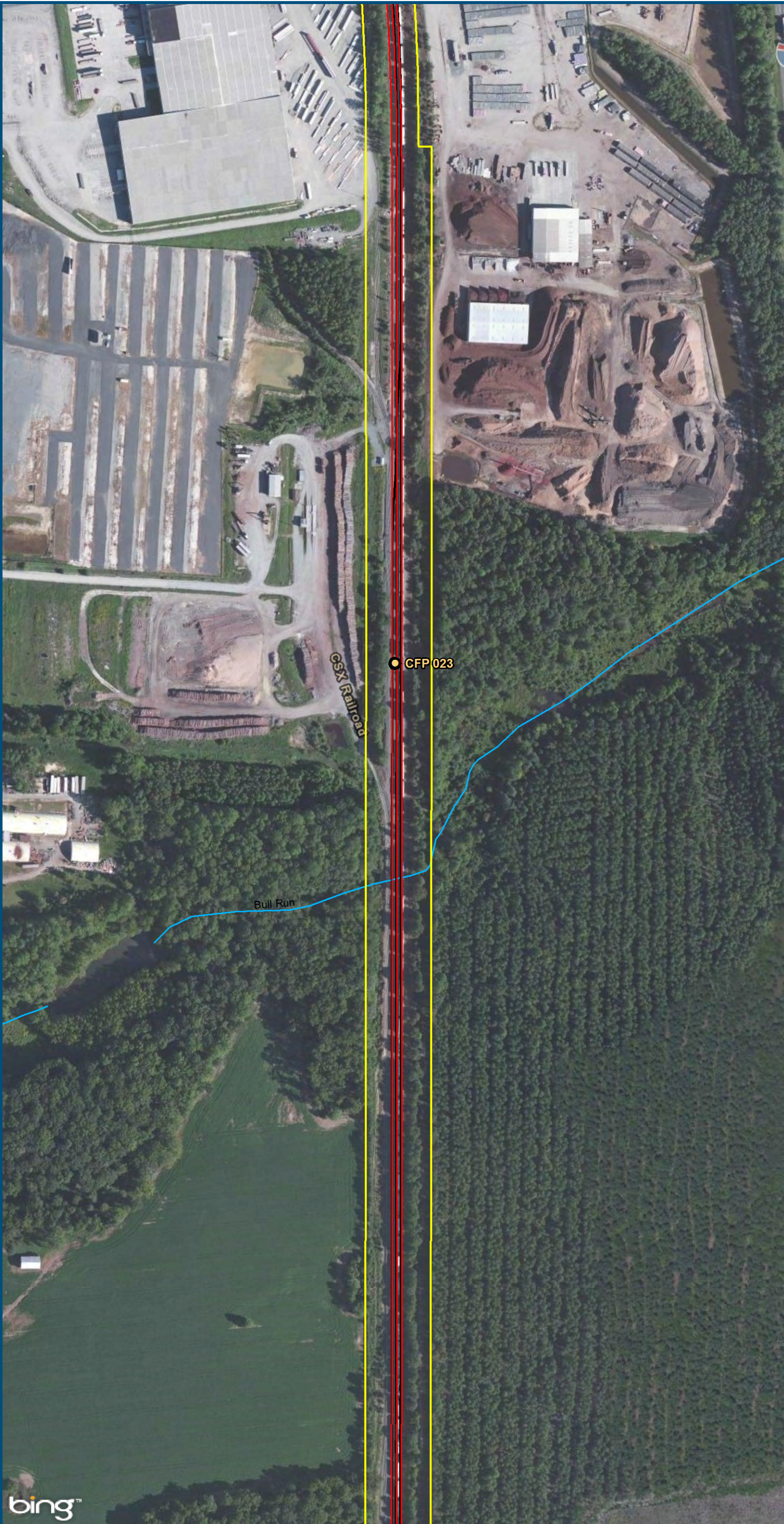
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

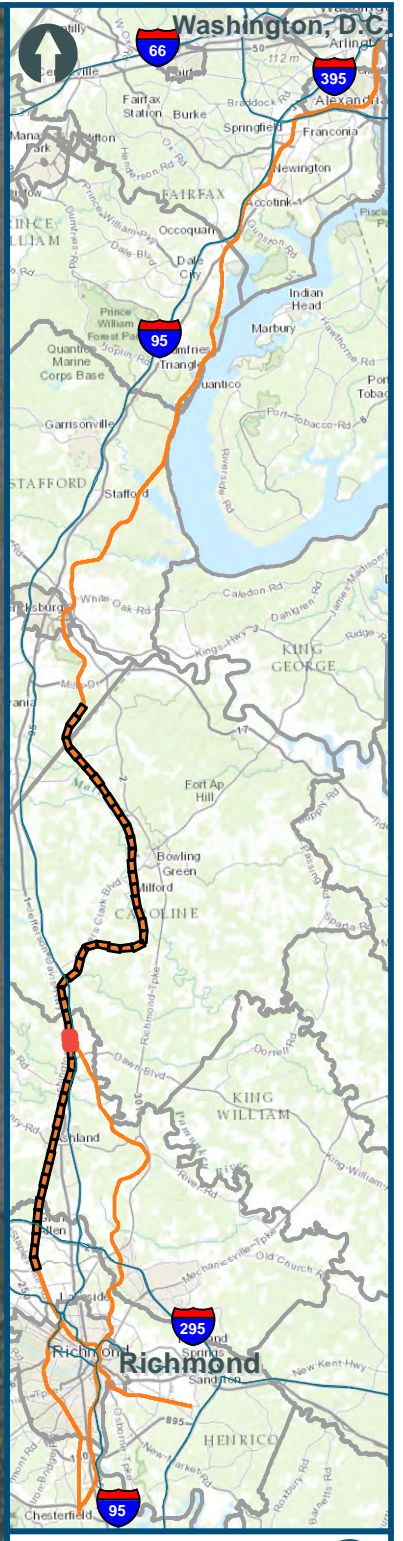
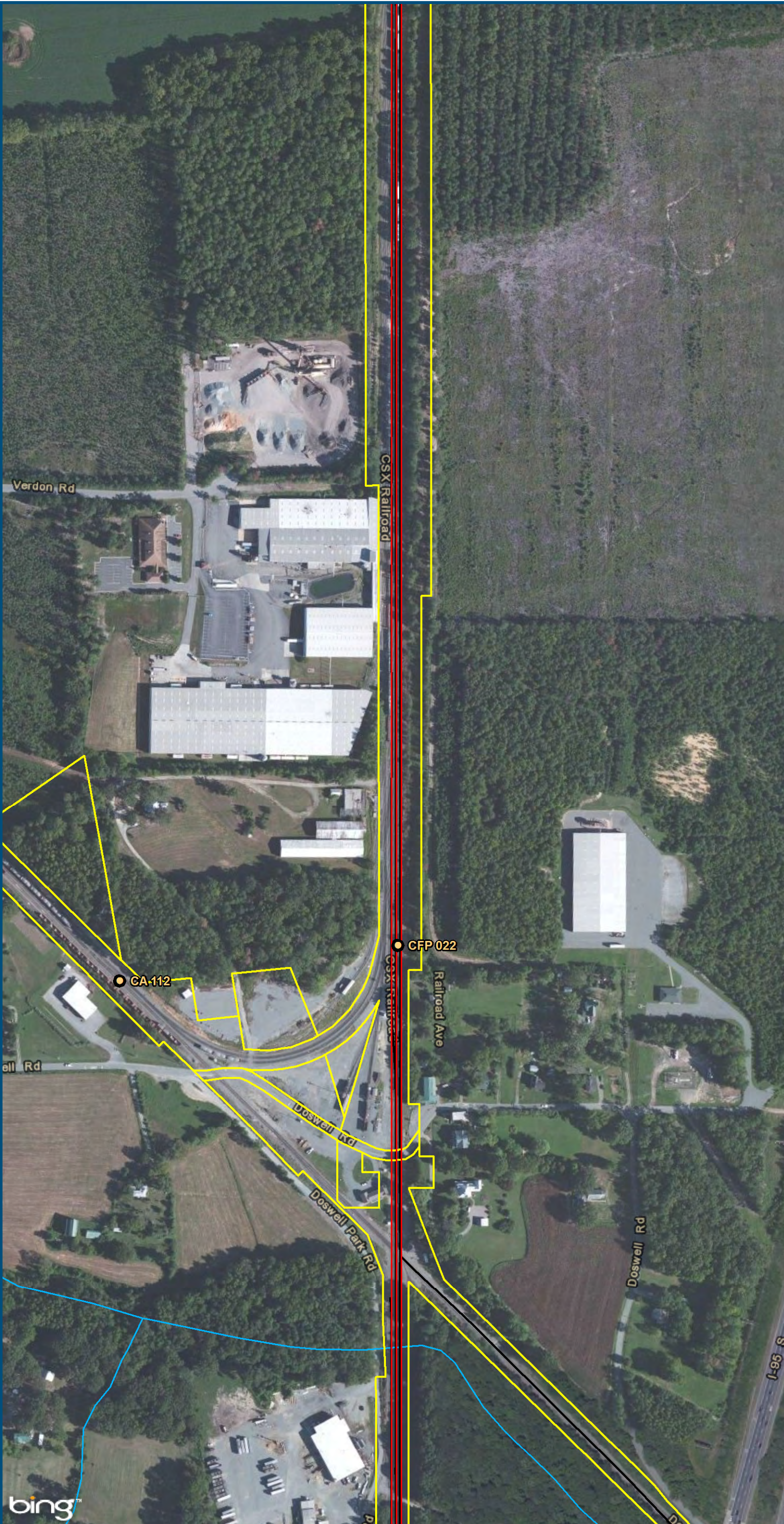
Figure P-34
Central Virginia
Constrained
Alignment Option



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

Figure P-35
Central Virginia
Constrained
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 P-36
Central Virginia
Constrained
Alignment Option

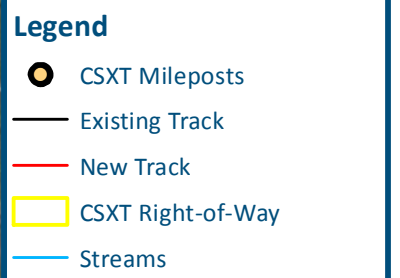
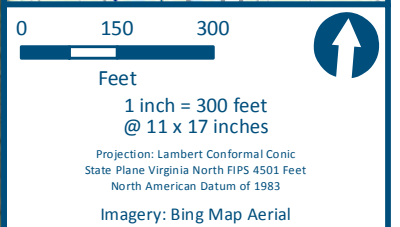
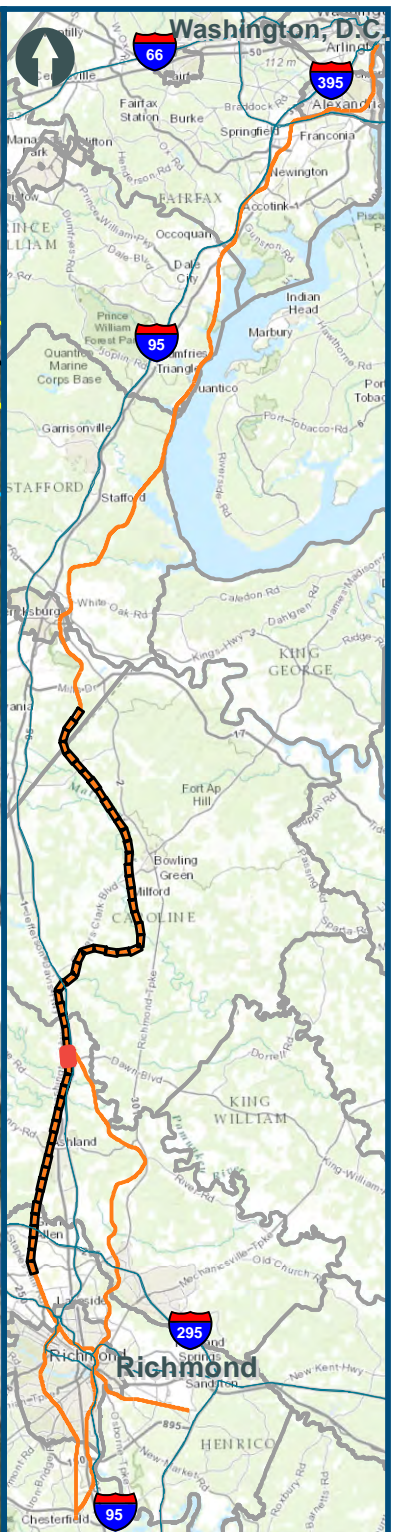
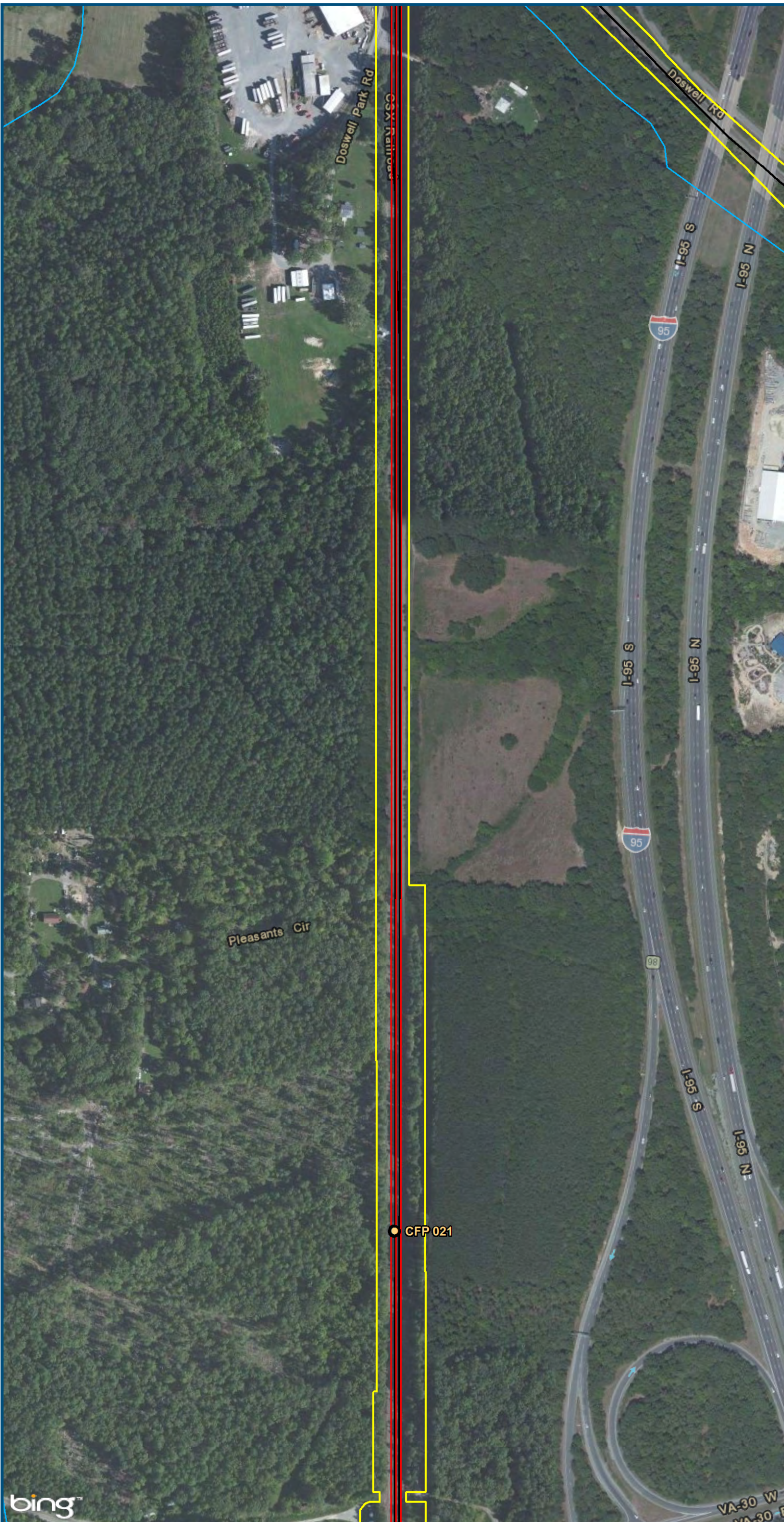
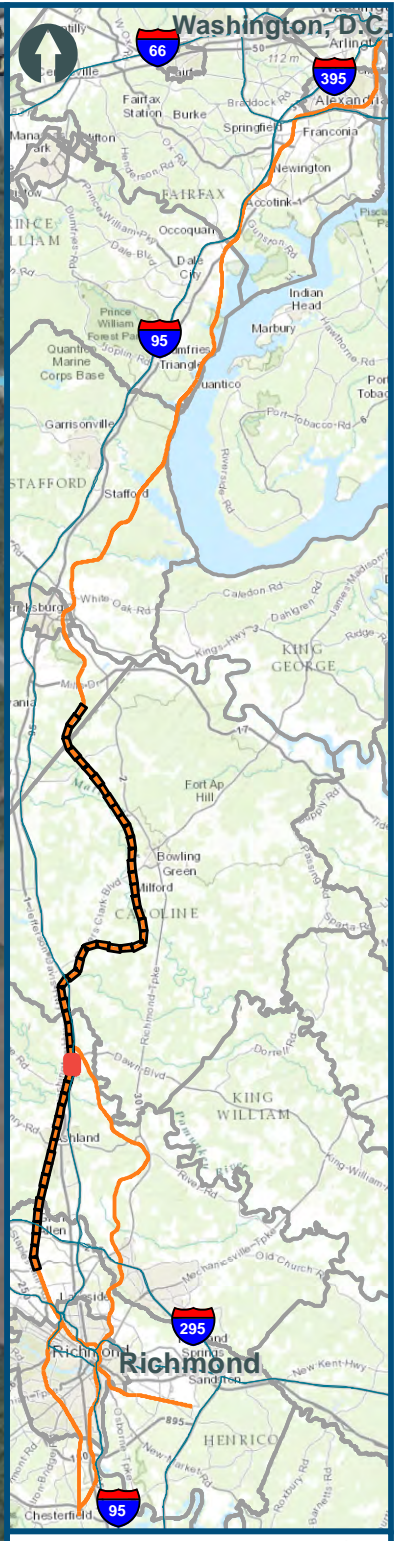
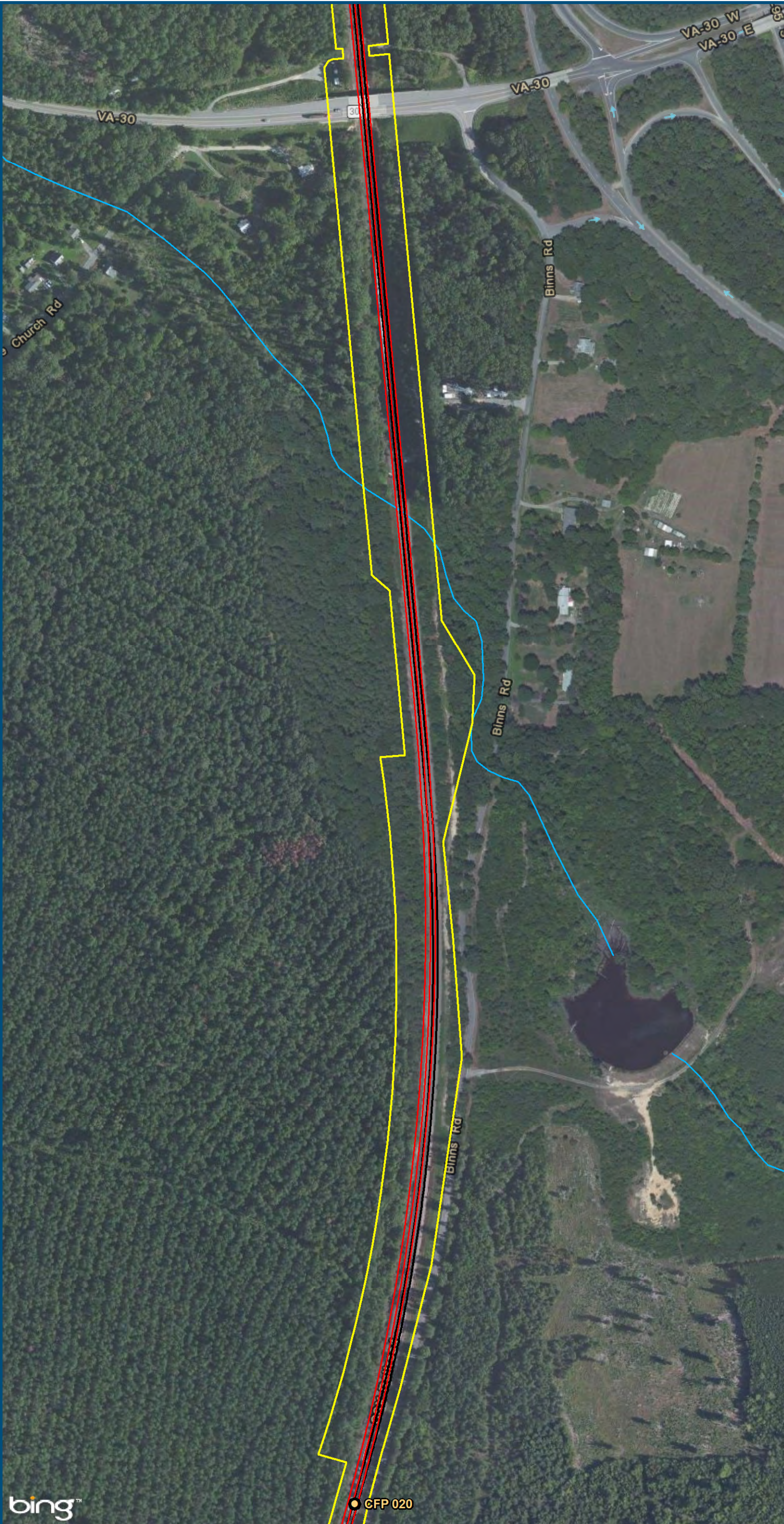


Figure P-37
Central Virginia
Constrained
Alignment Option

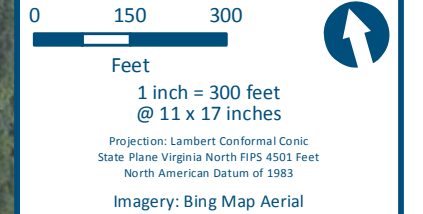
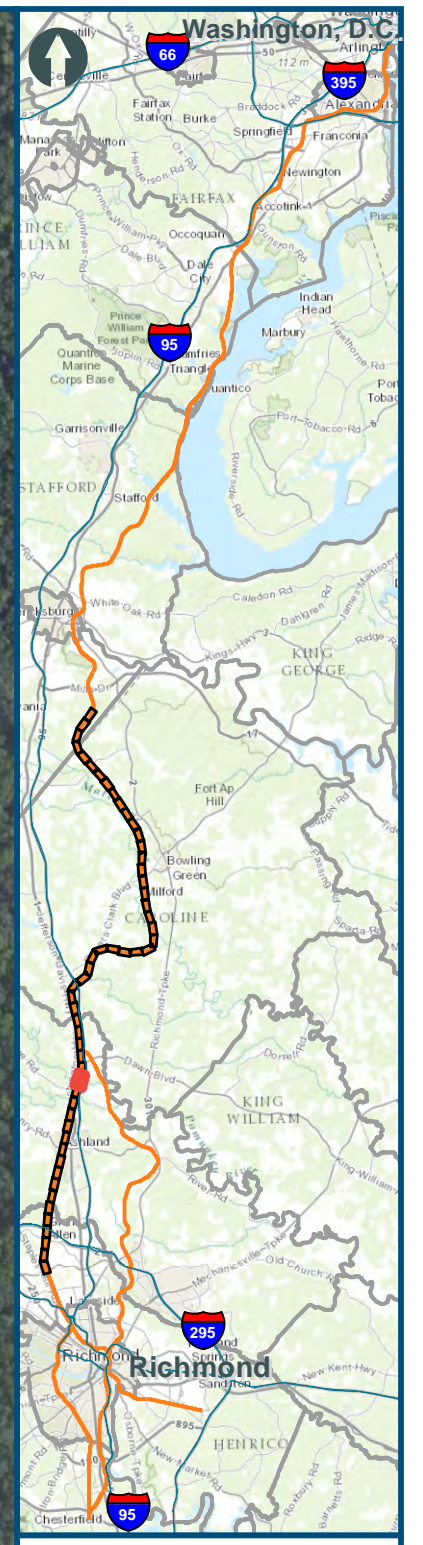
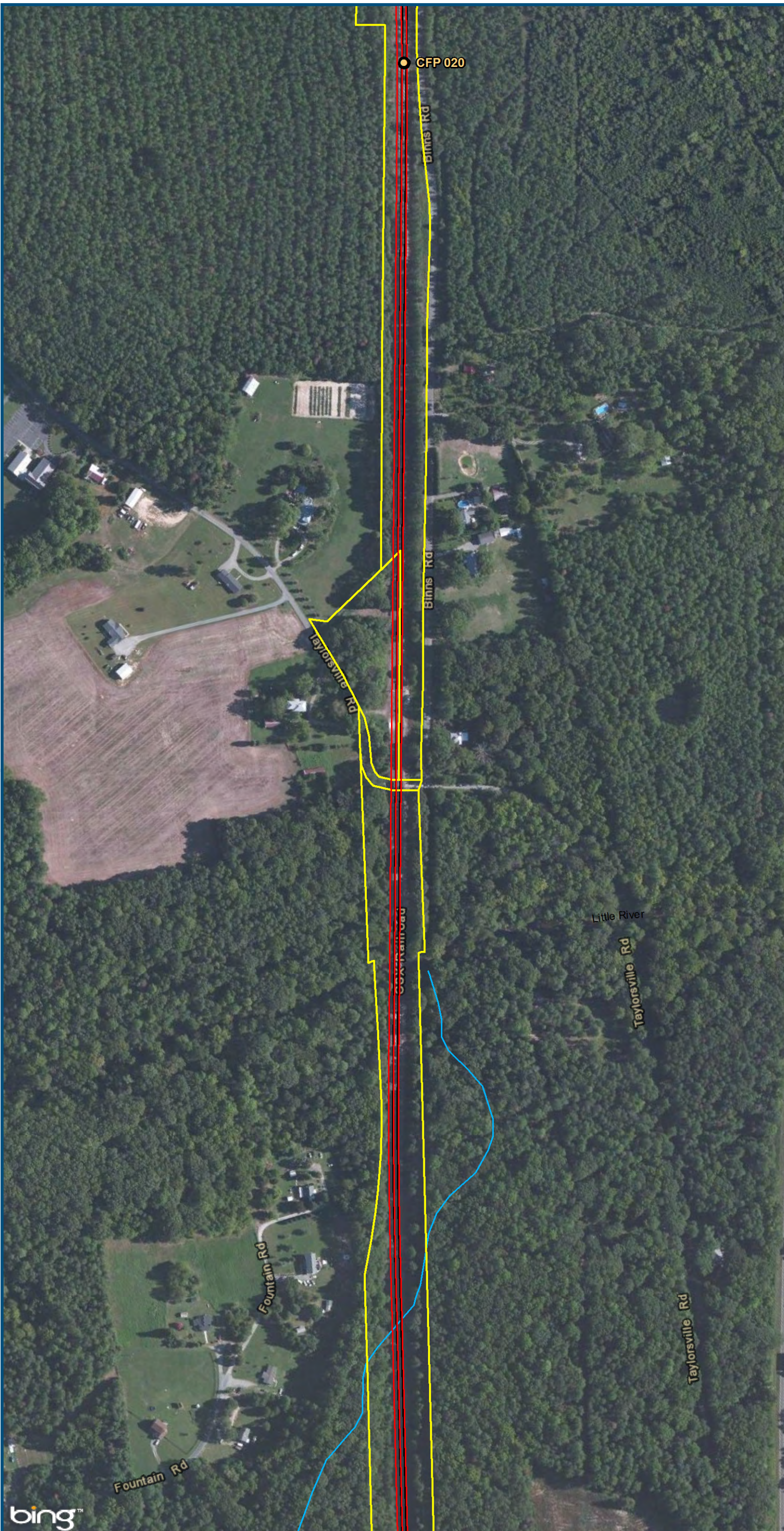
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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

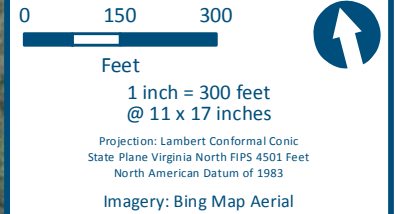
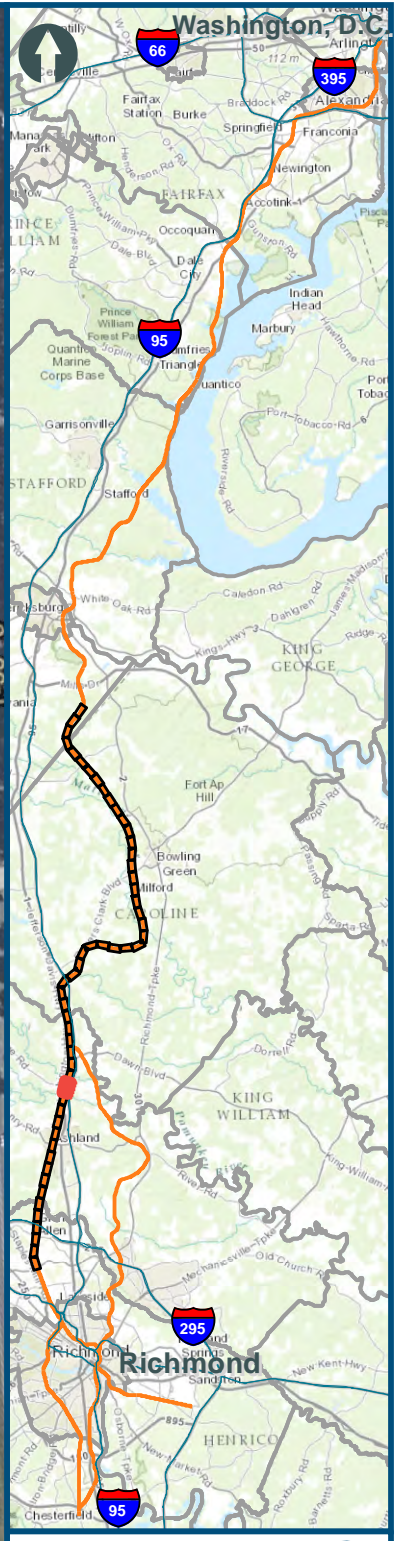
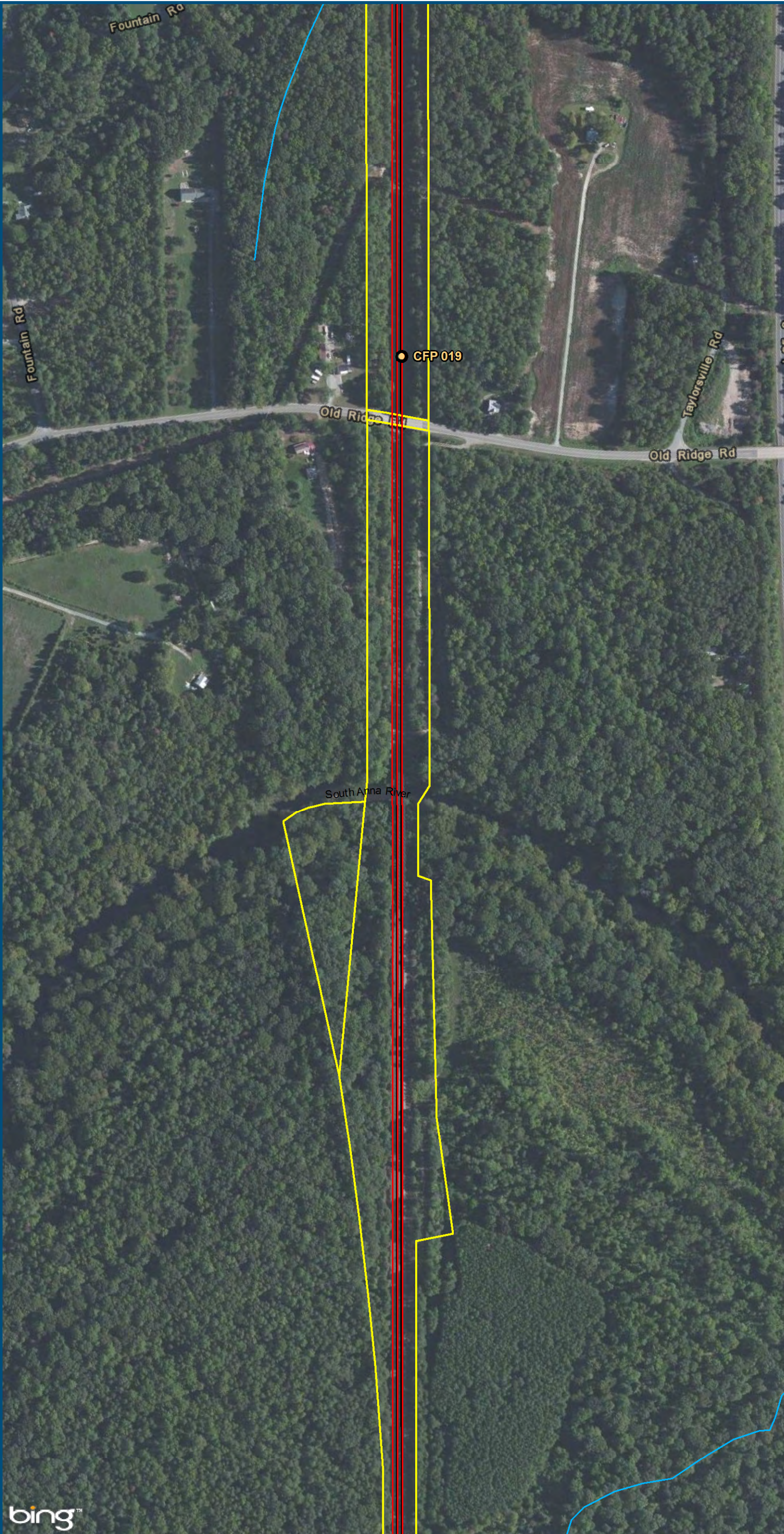
Figure P-38
Central Virginia
Constrained
Alignment Option



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

Figure P-39
Central Virginia
Constrained
Alignment Option

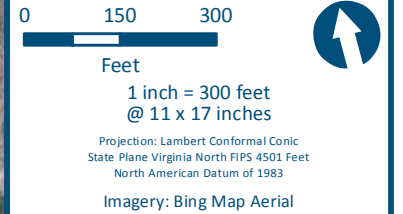
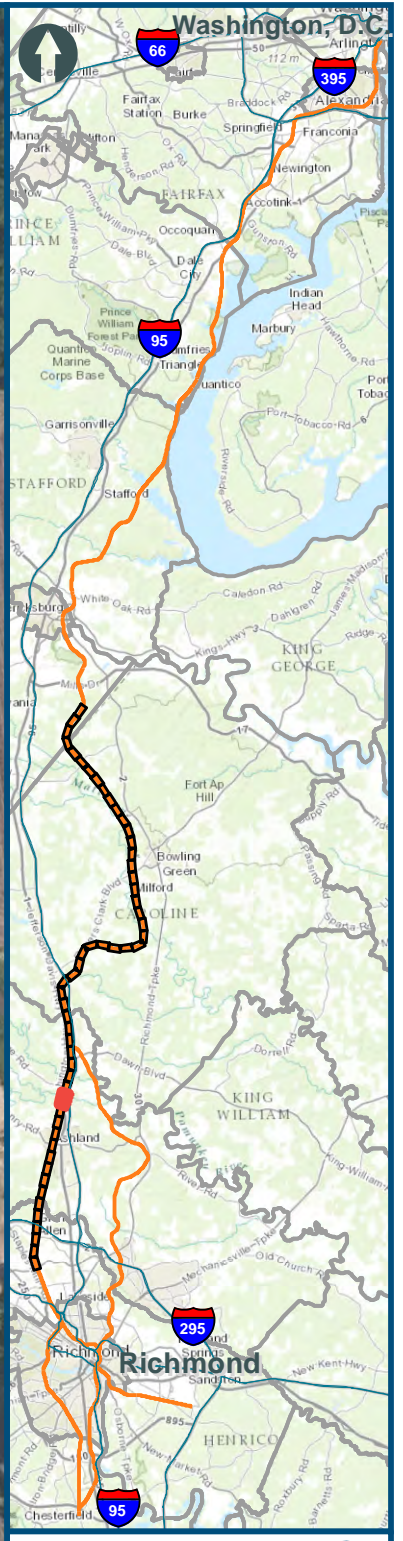
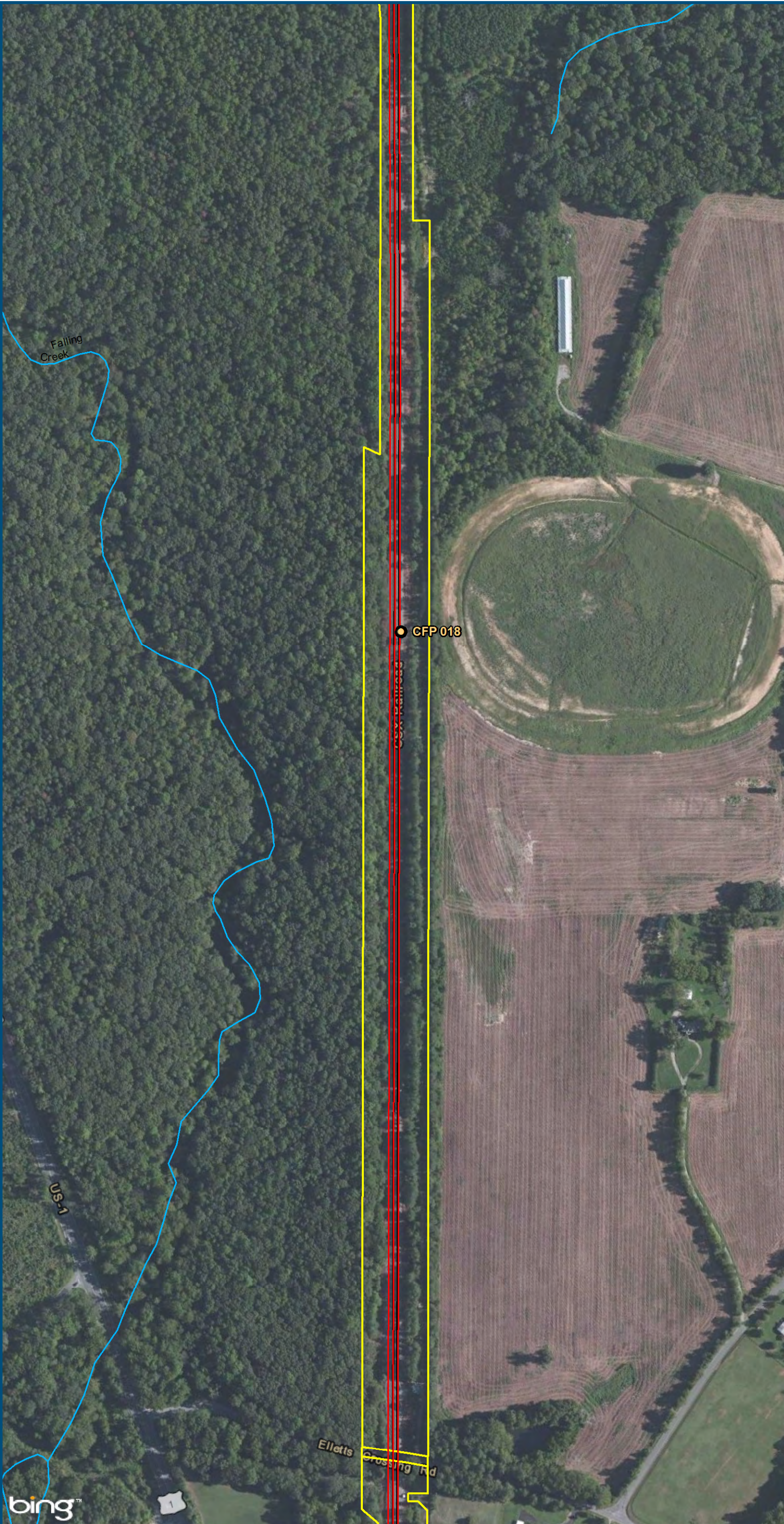
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-40
Central Virginia
Constrained
Alignment Option

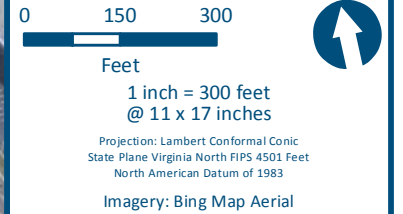
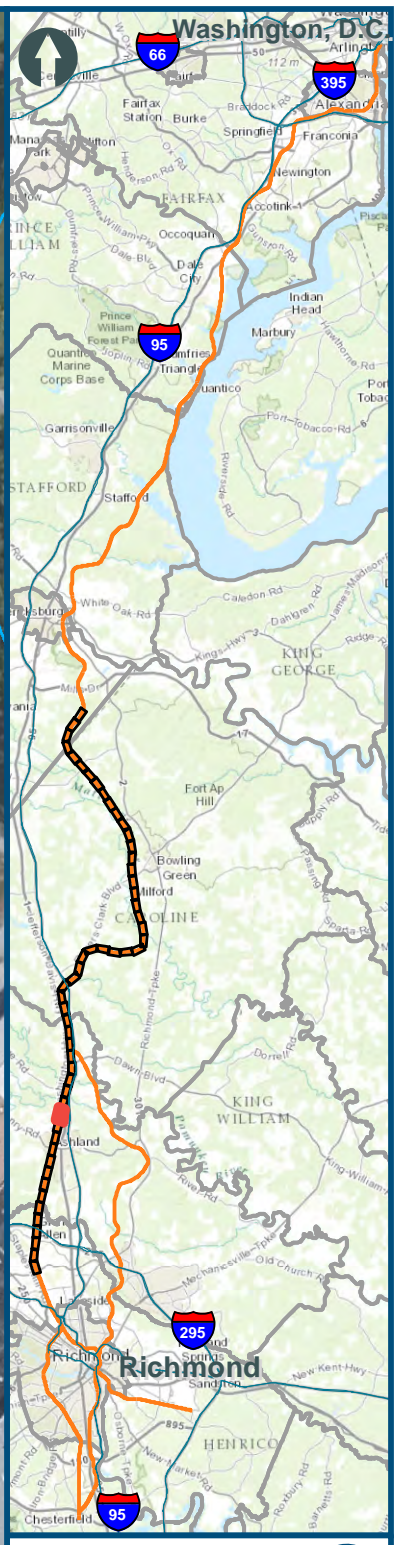
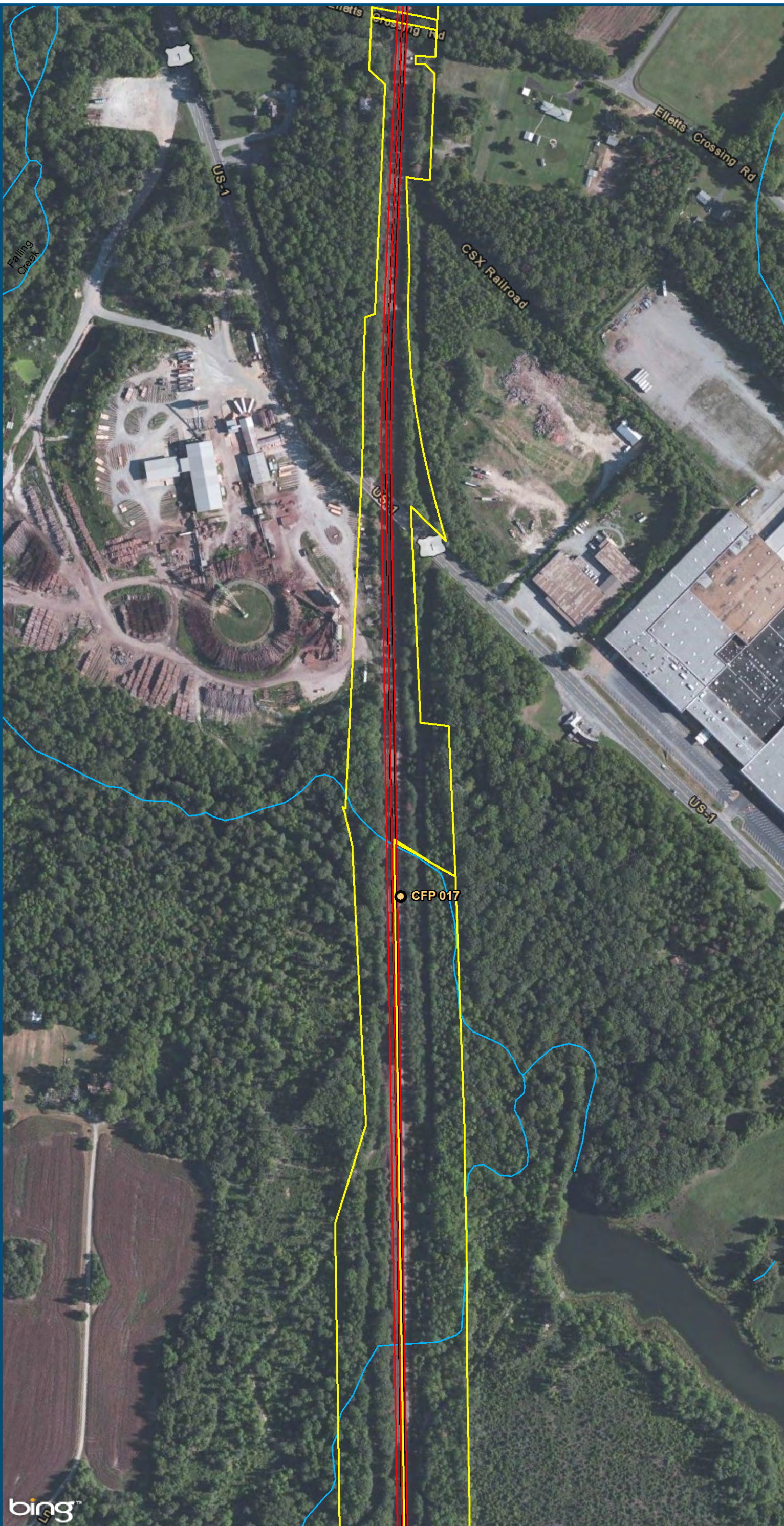
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

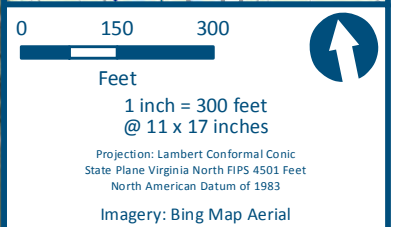
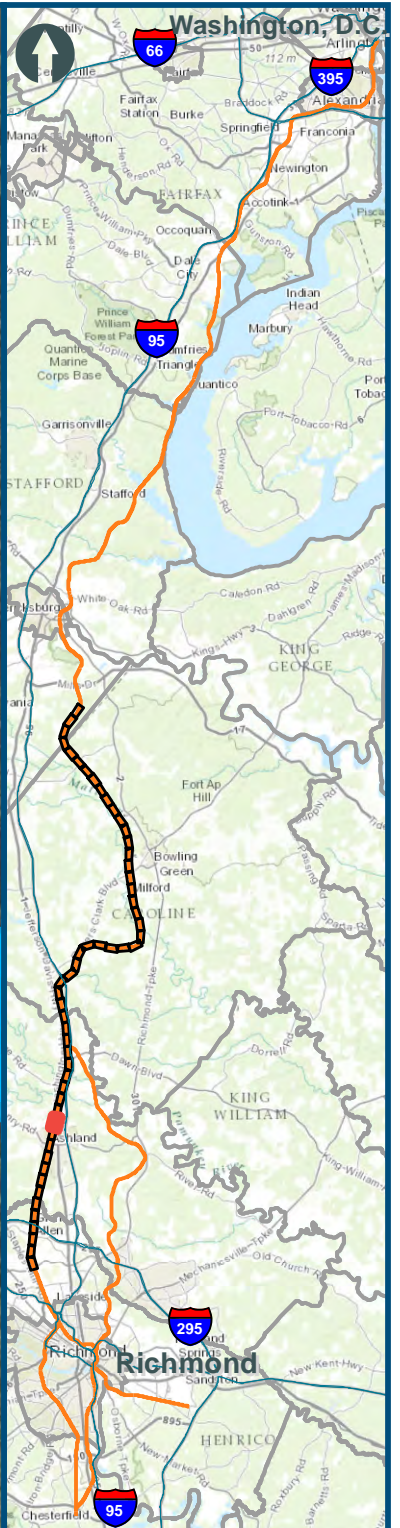
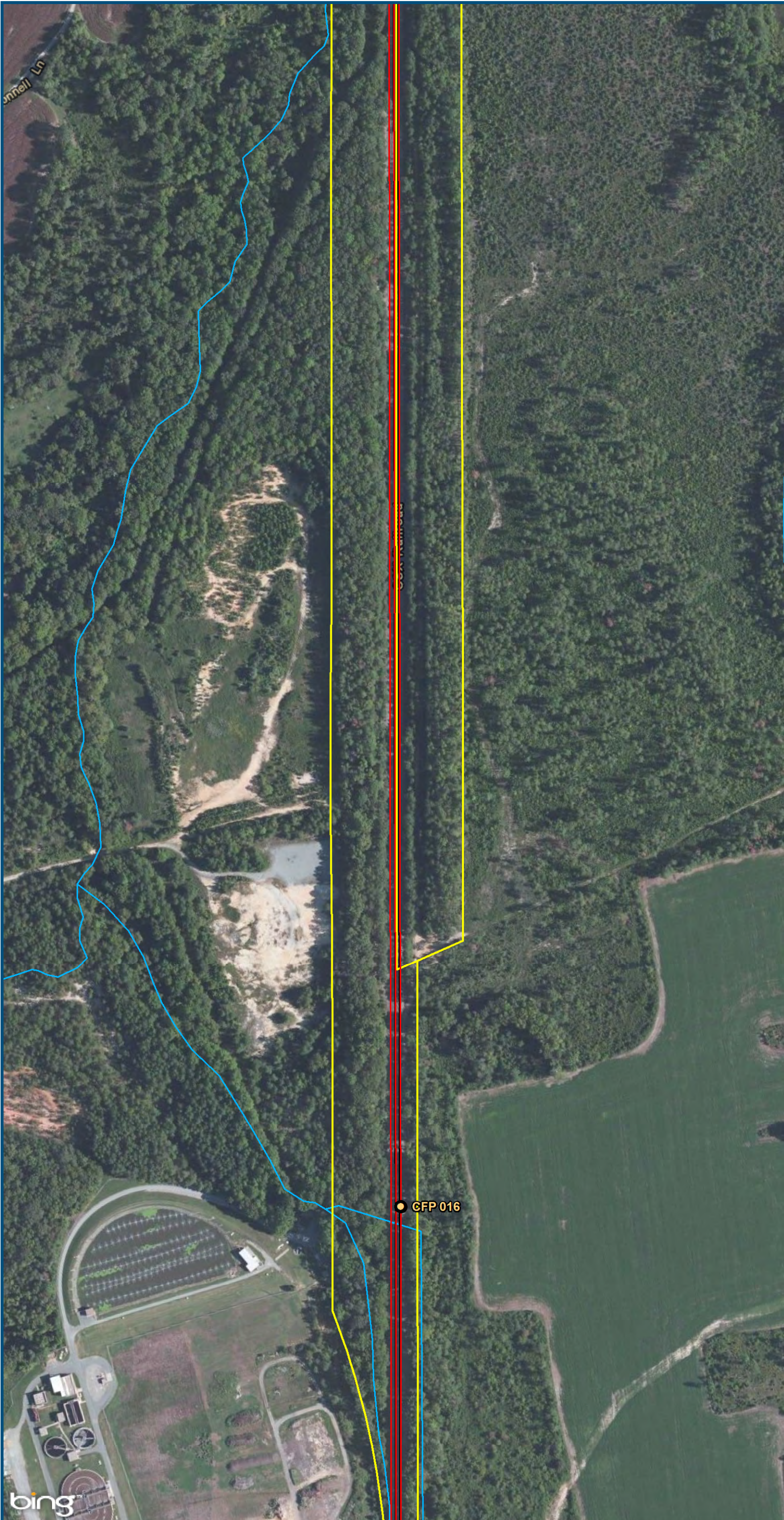
Figure P-41
Central Virginia
Constrained
Alignment Option

\\dlmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Cht6_Appendices_CEN_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015



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

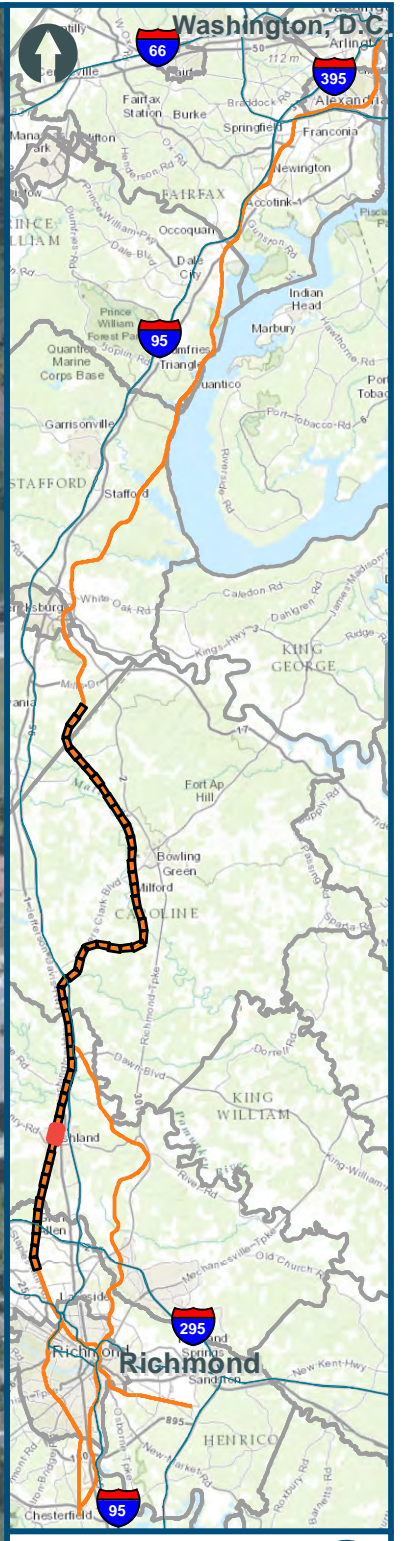
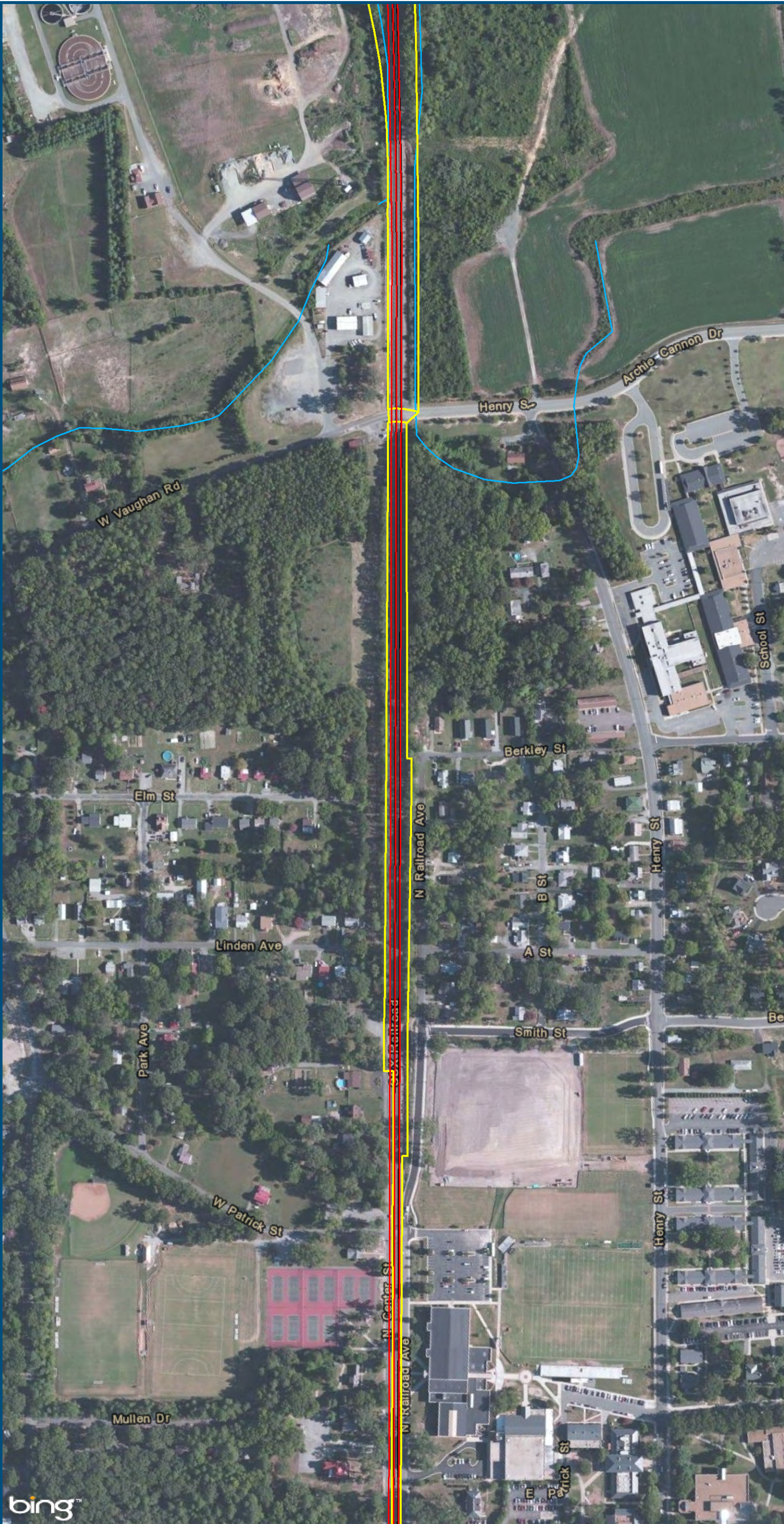
Figure P-42
Central Virginia
Constrained
Alignment Option



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

Figure P-43
Central Virginia
Constrained
Alignment Option

\\dlmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-Concept\Eng\map_docs\mxd\Ait_Tech_Report\DC2RVA_Ch6_Appendices_CEN_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015



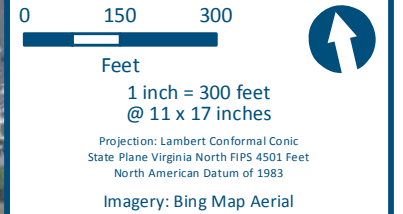
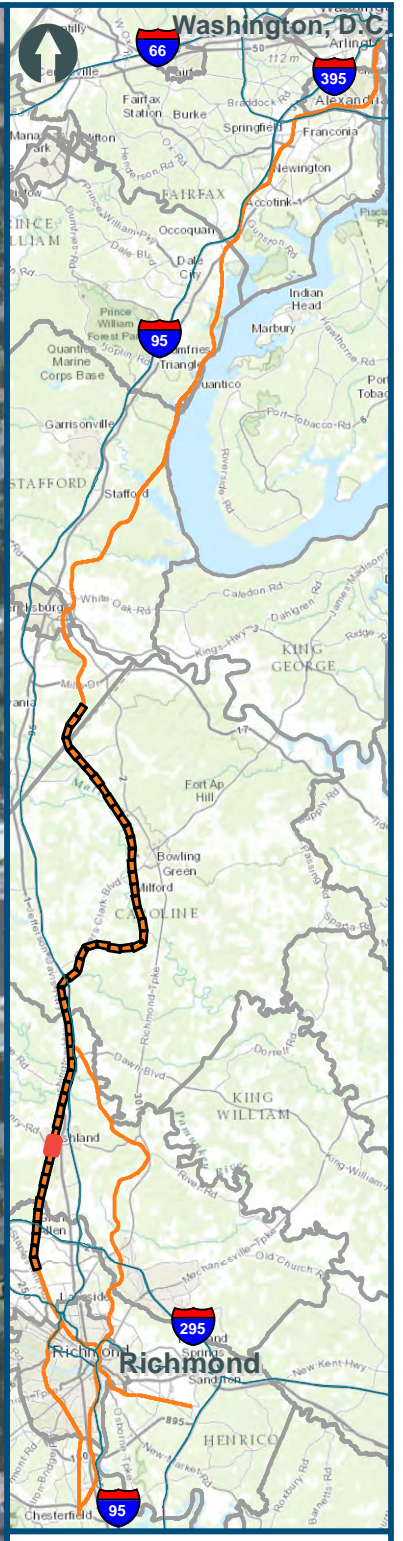
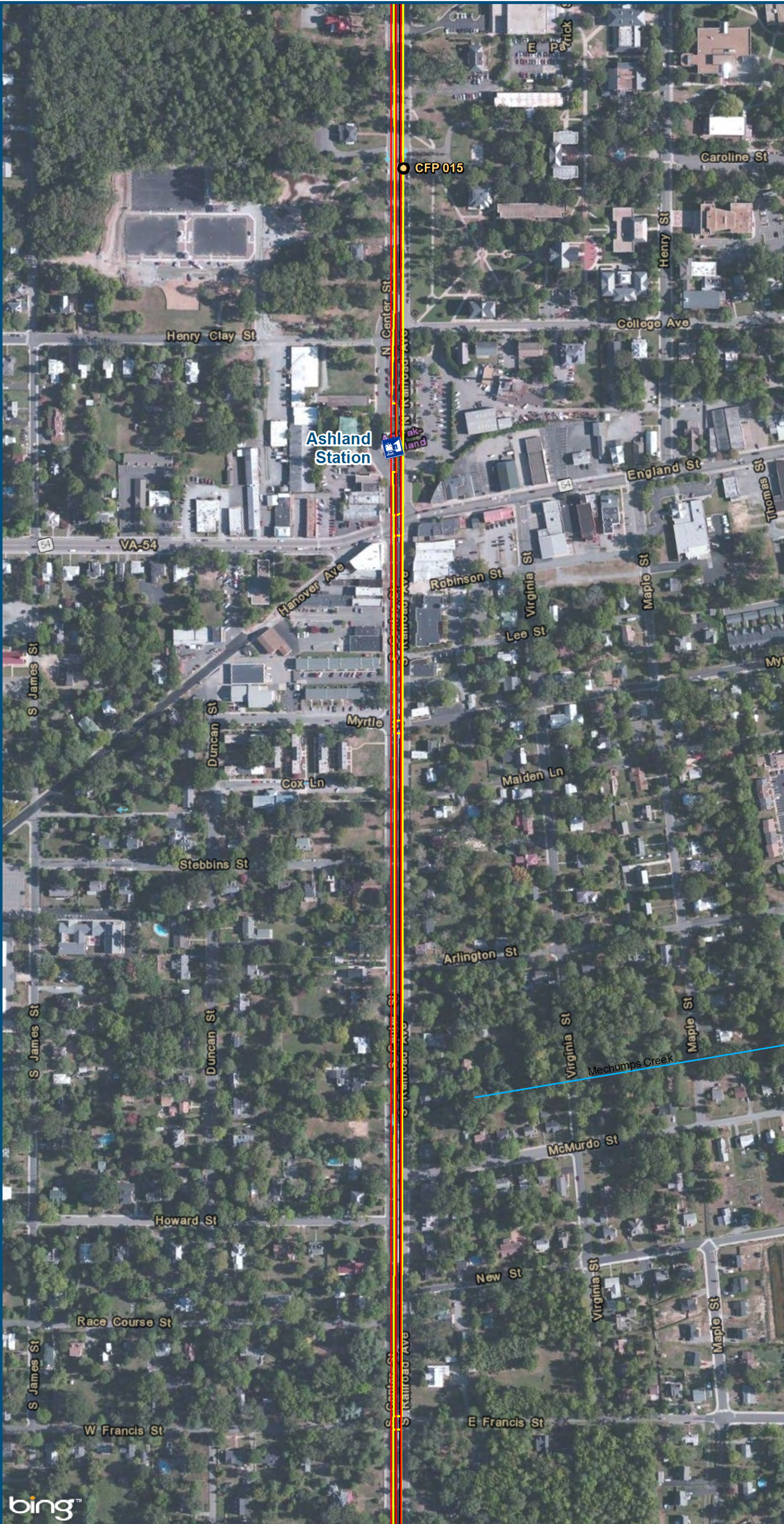
0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

Legend

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

Figure P-44
Central Virginia
Constrained
Alignment Option

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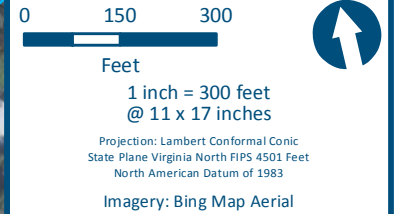
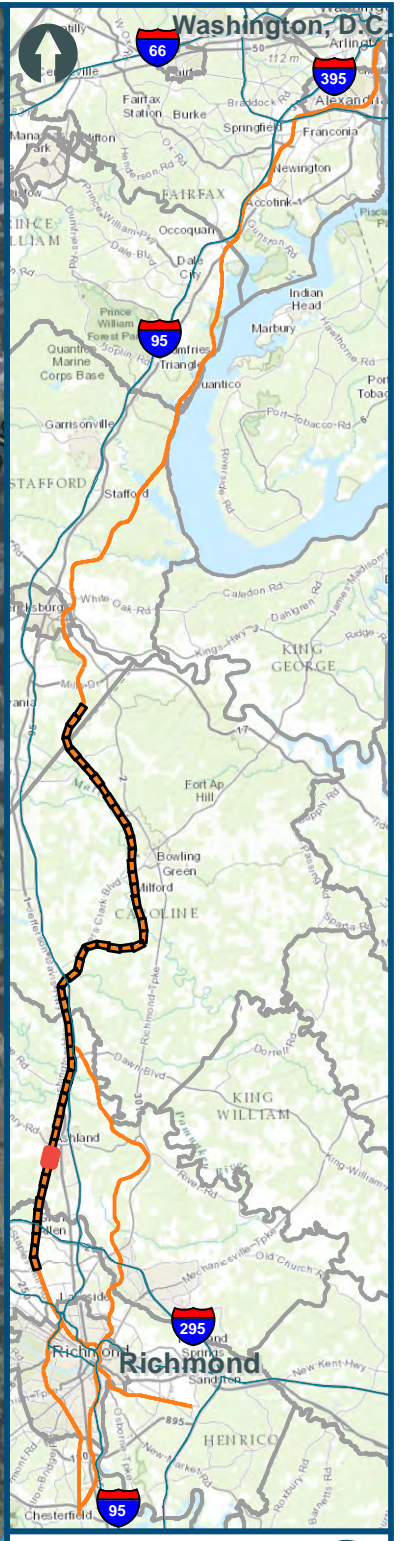
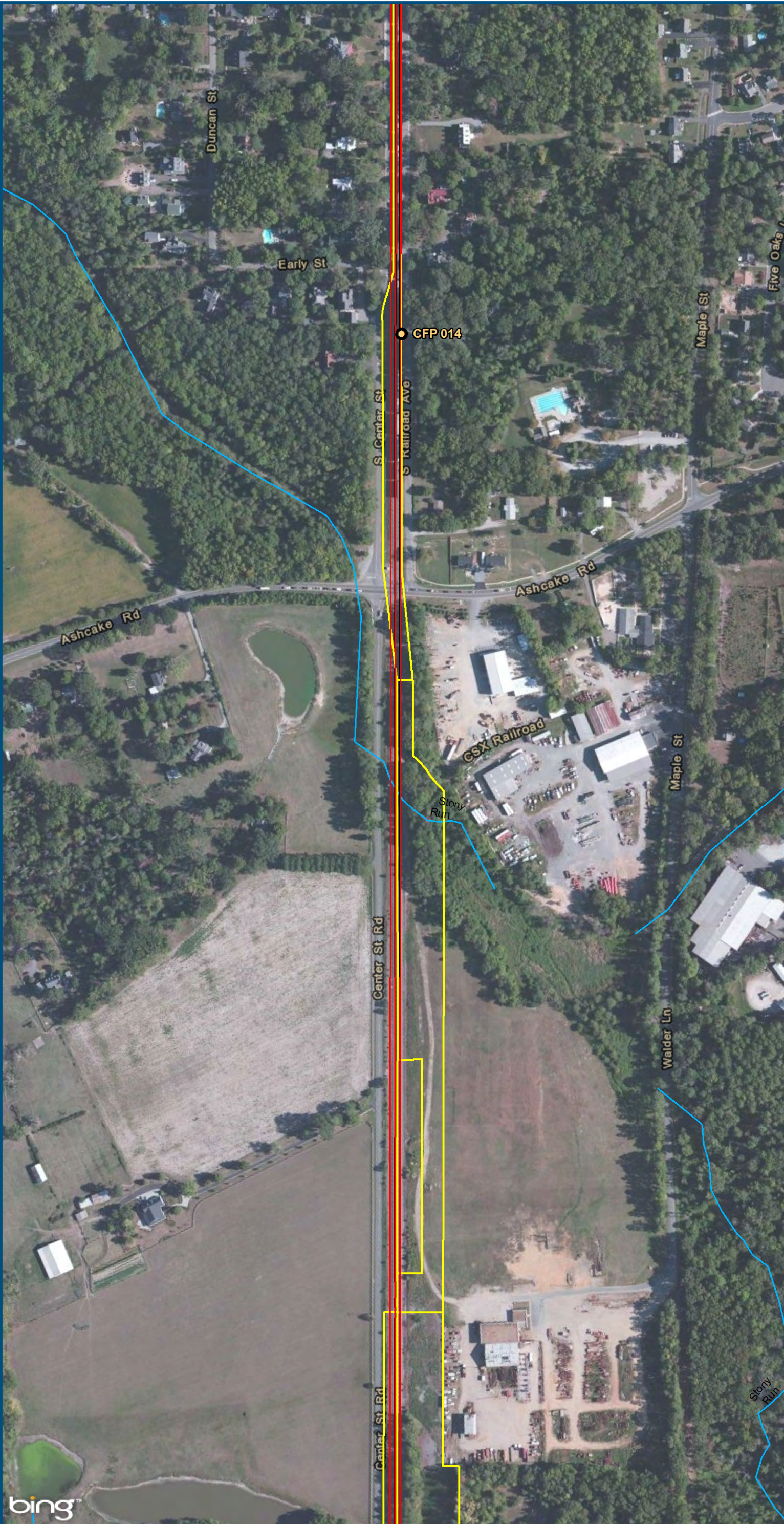
- Legend**
-  Amtrak Station
 -  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

Figure P-45
Central Virginia
Constrained
Alignment Option

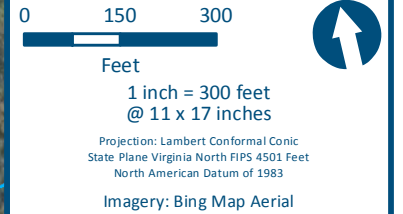
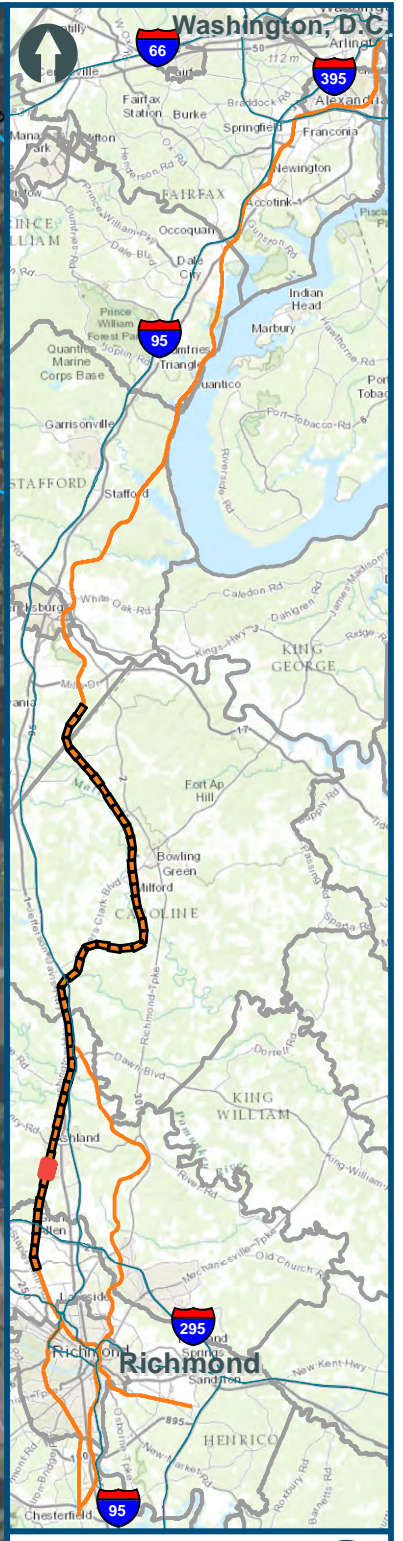
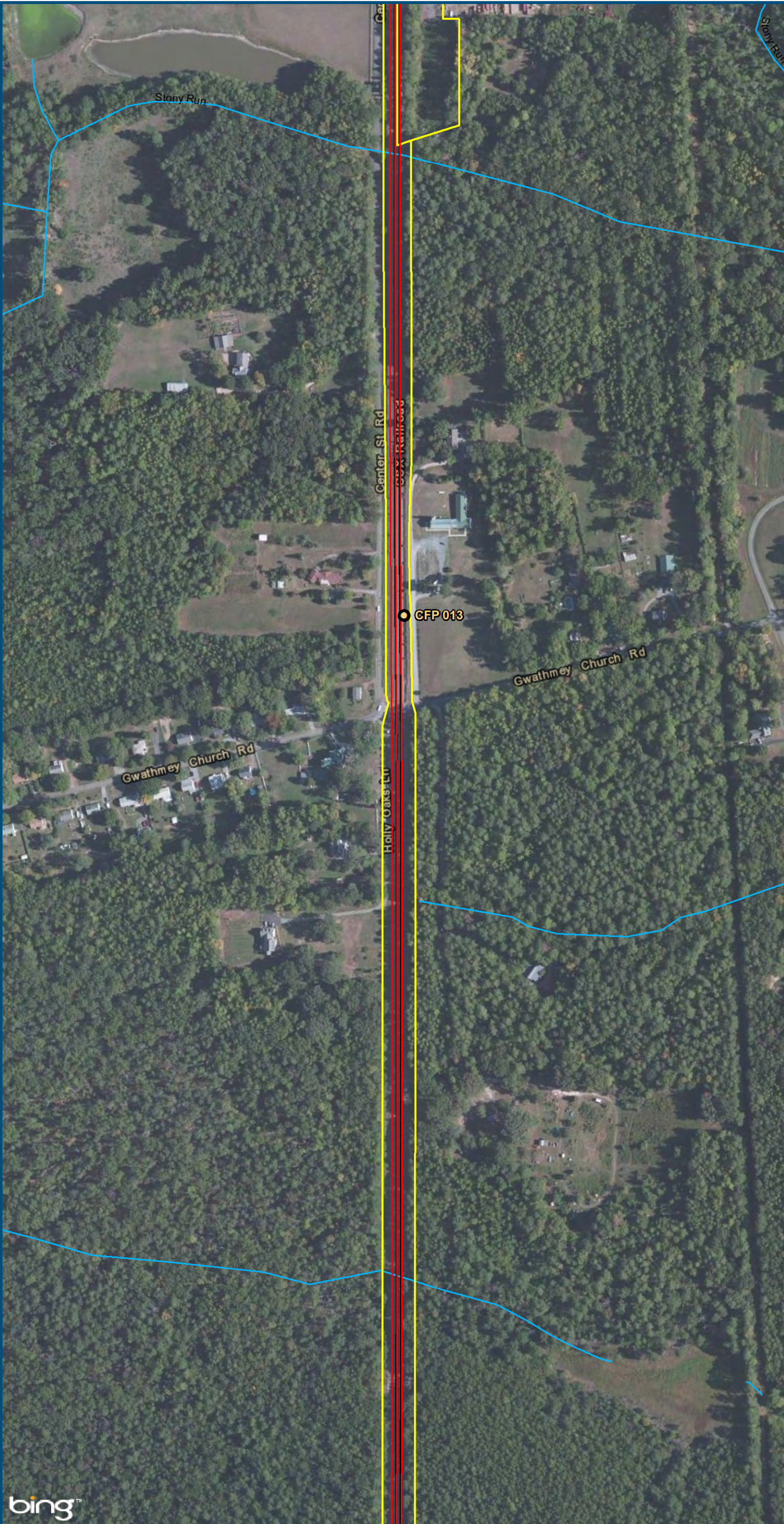
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-46
Central Virginia
Constrained
Alignment Option

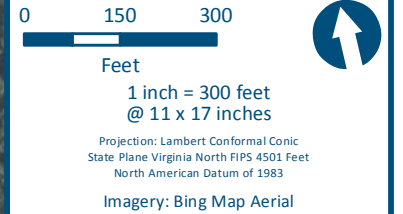
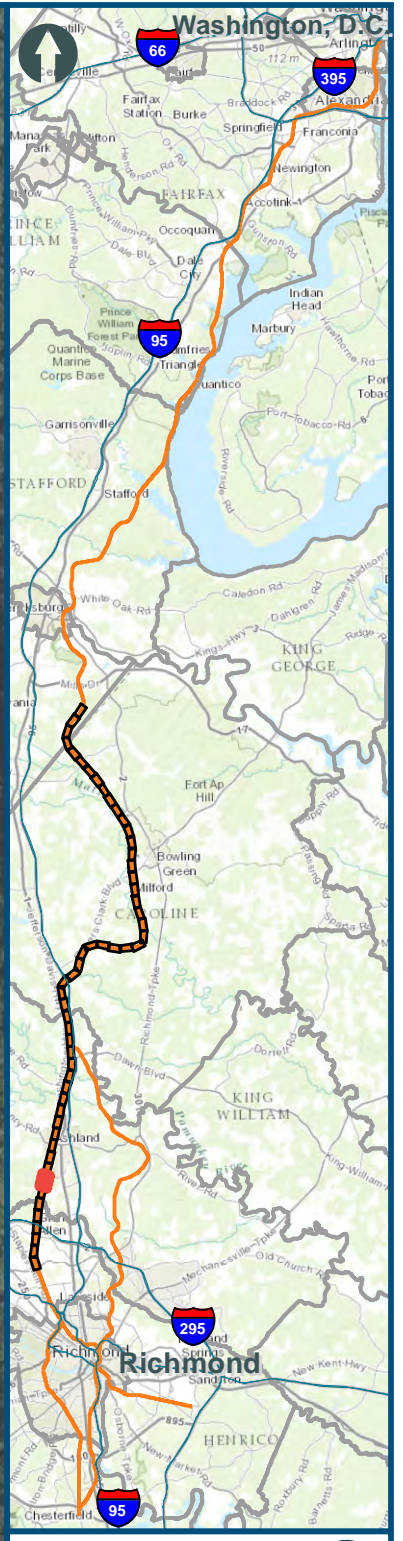
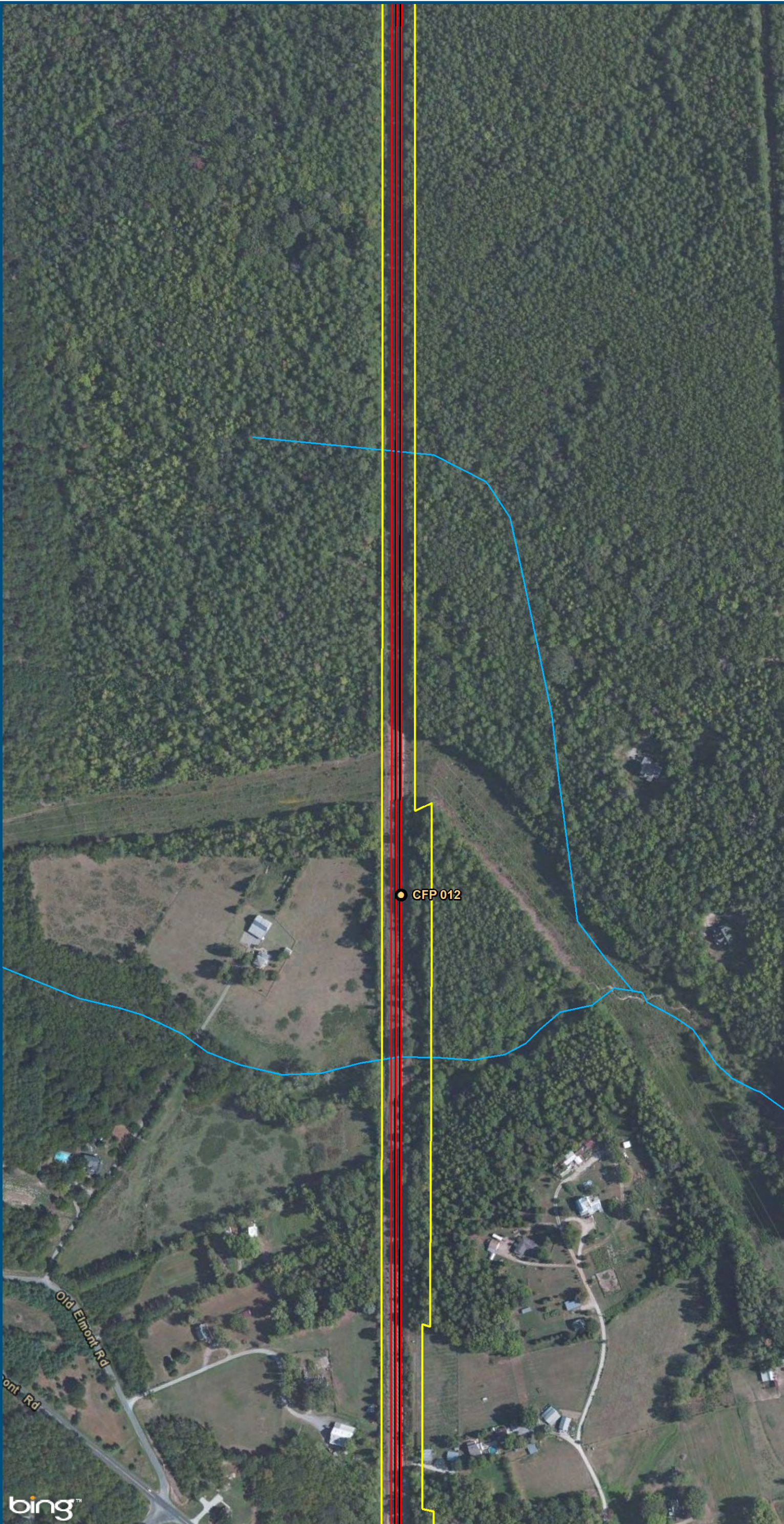
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-47
Central Virginia
Constrained
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_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015








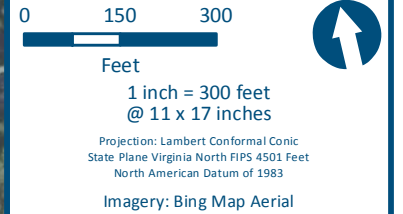
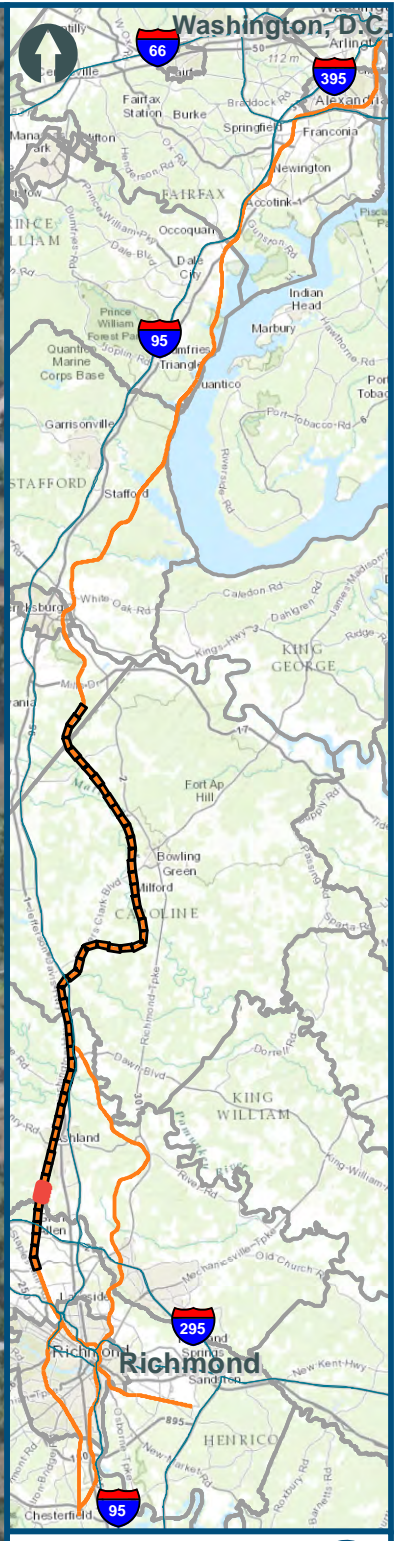
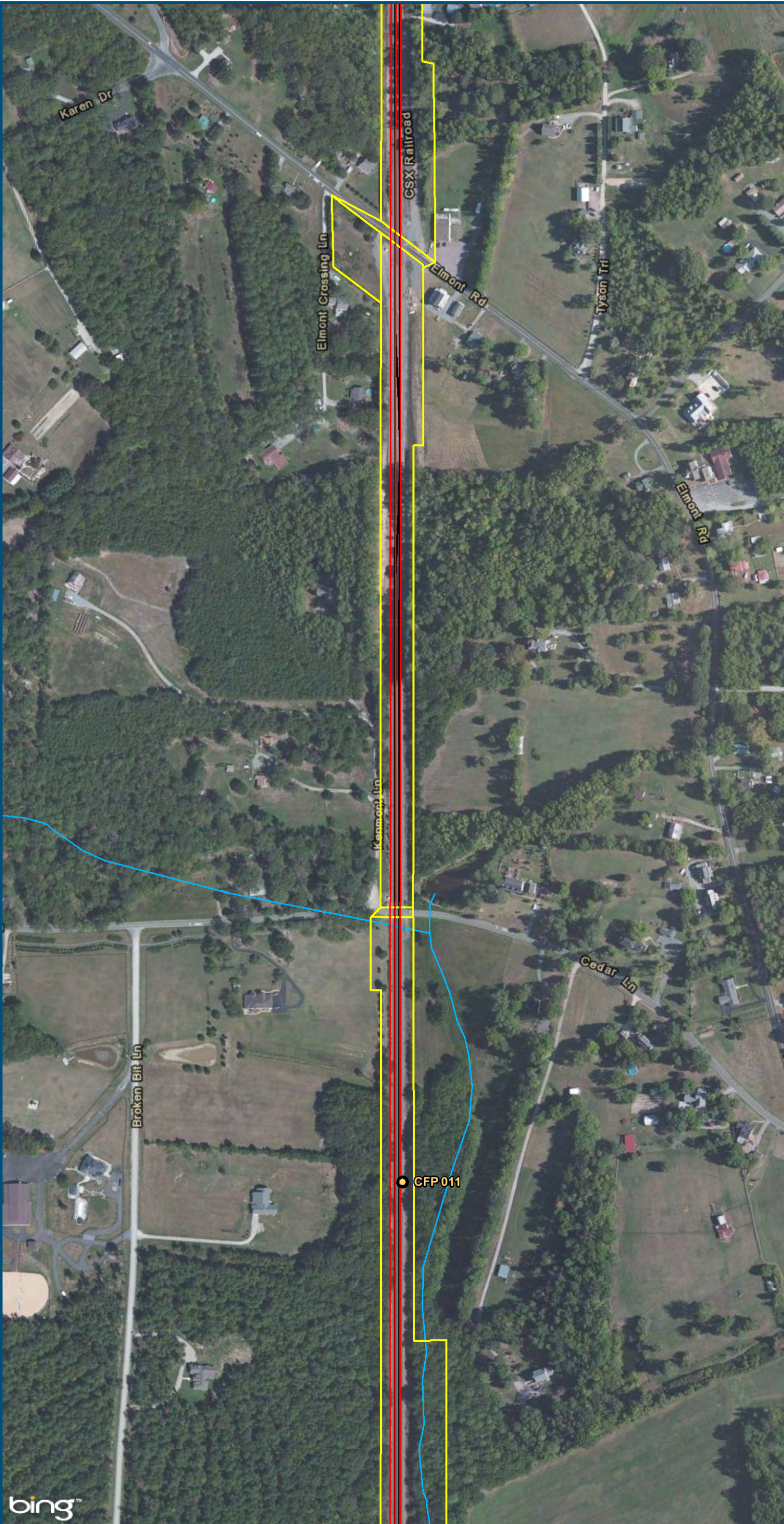
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

Figure P-48
Central Virginia
Constrained
Alignment Option

\\dlmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_CEN_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015








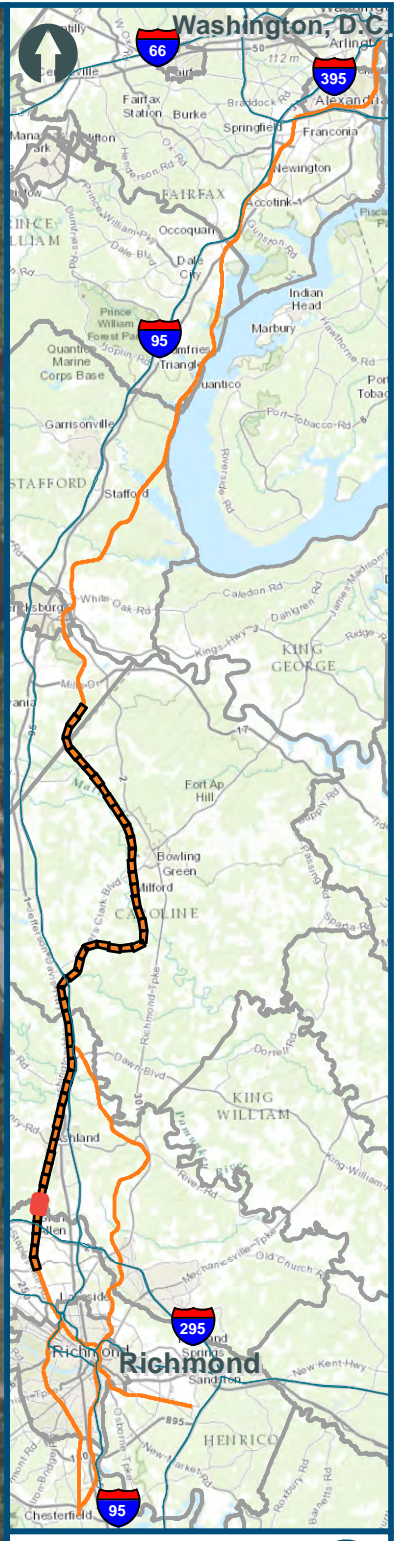
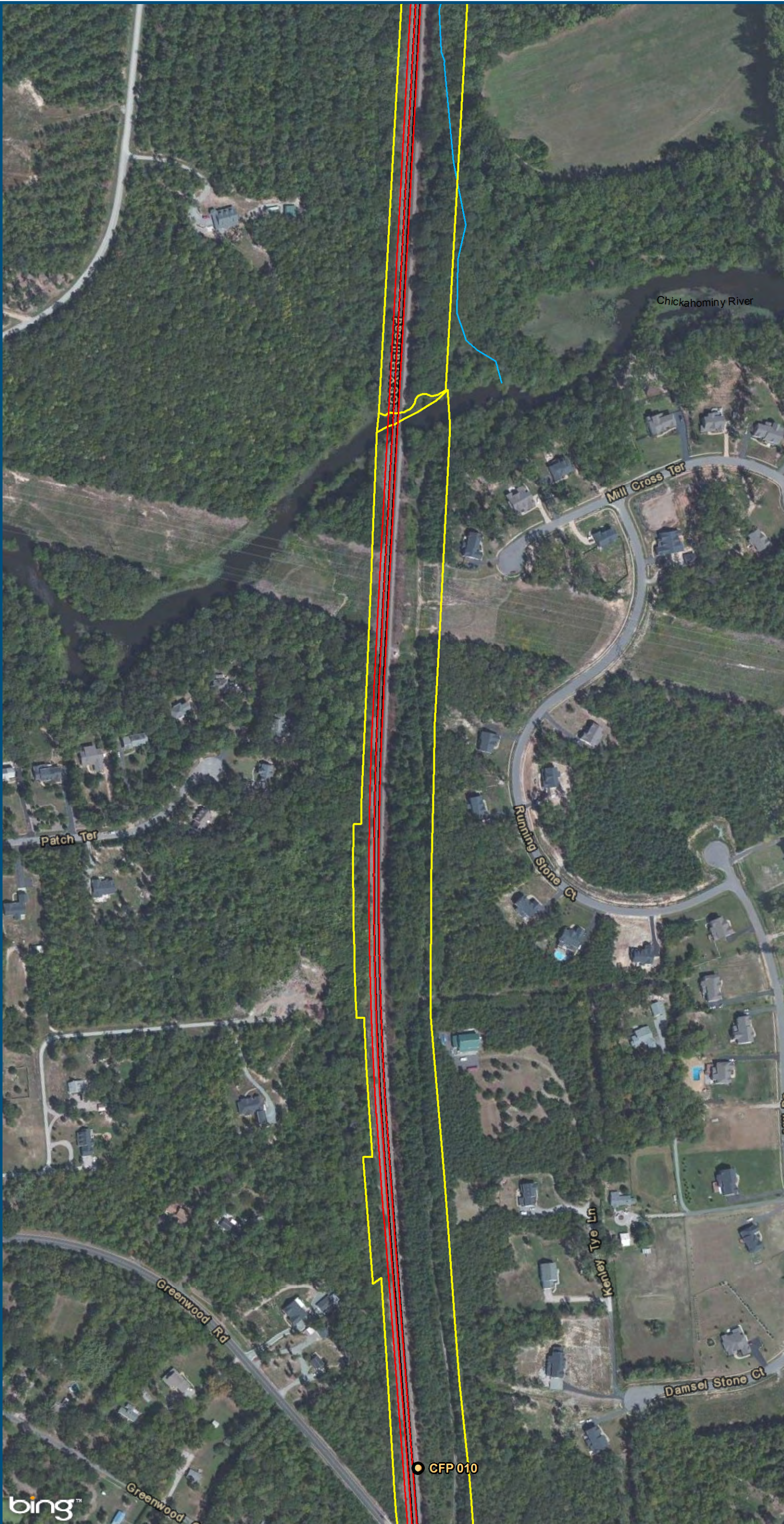
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

Figure P-49
Central Virginia
Constrained
Alignment Option

\\dlmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Cht6_Appendices_CEN_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015

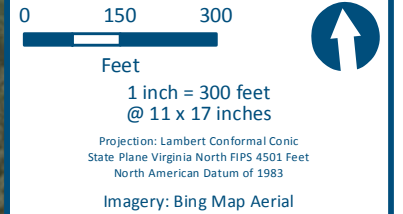
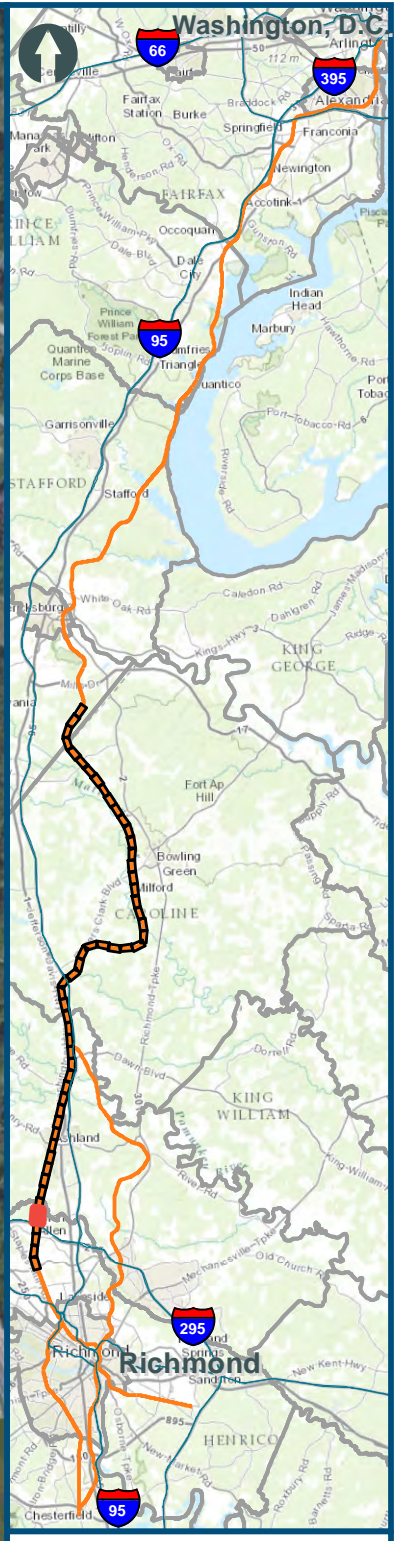
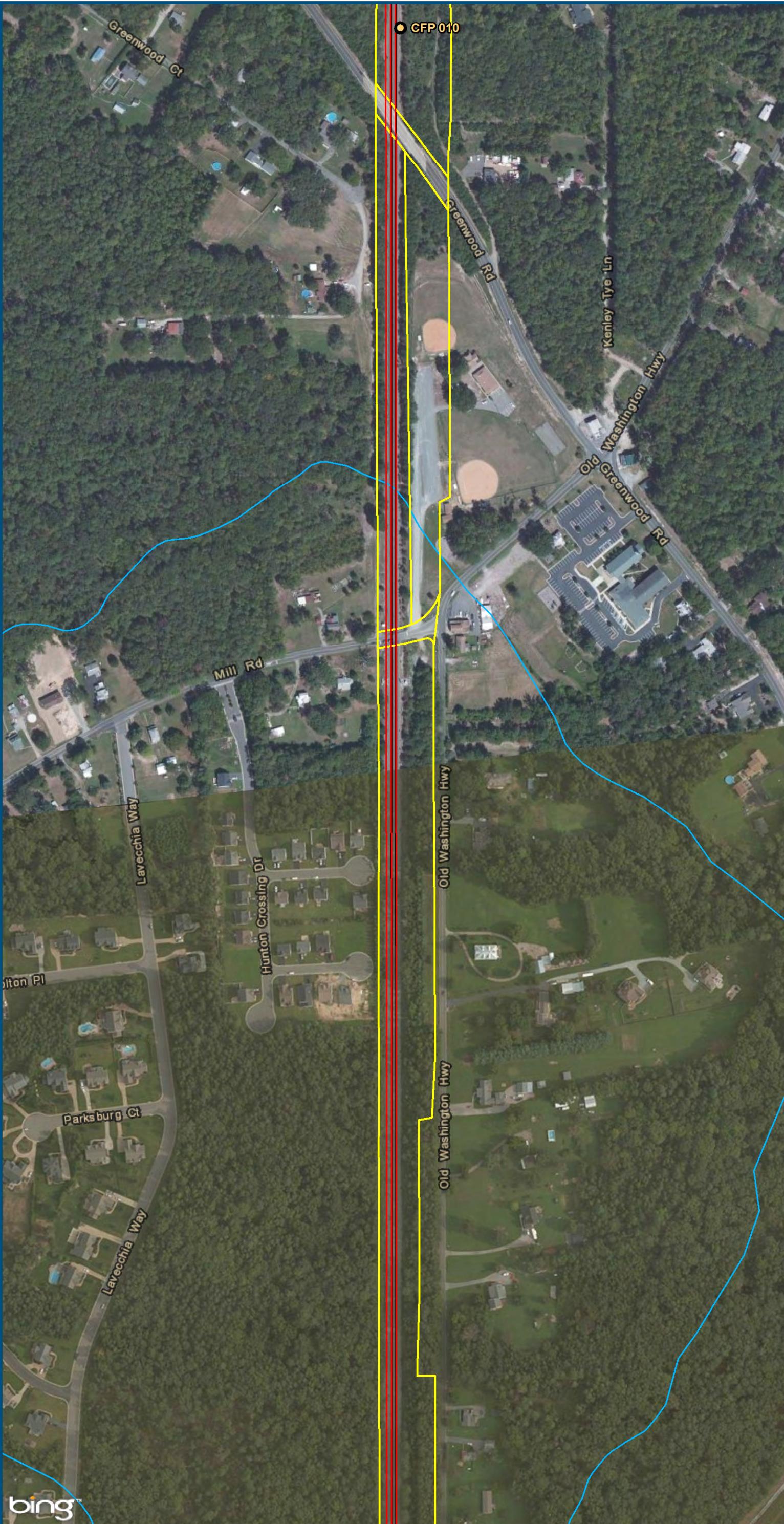


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure P-50
Central Virginia
Constrained
Alignment Option

\\dlmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-Public\Transportation\0239056_RAPS-4\AIDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Ch6_Appendices_CEN_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015








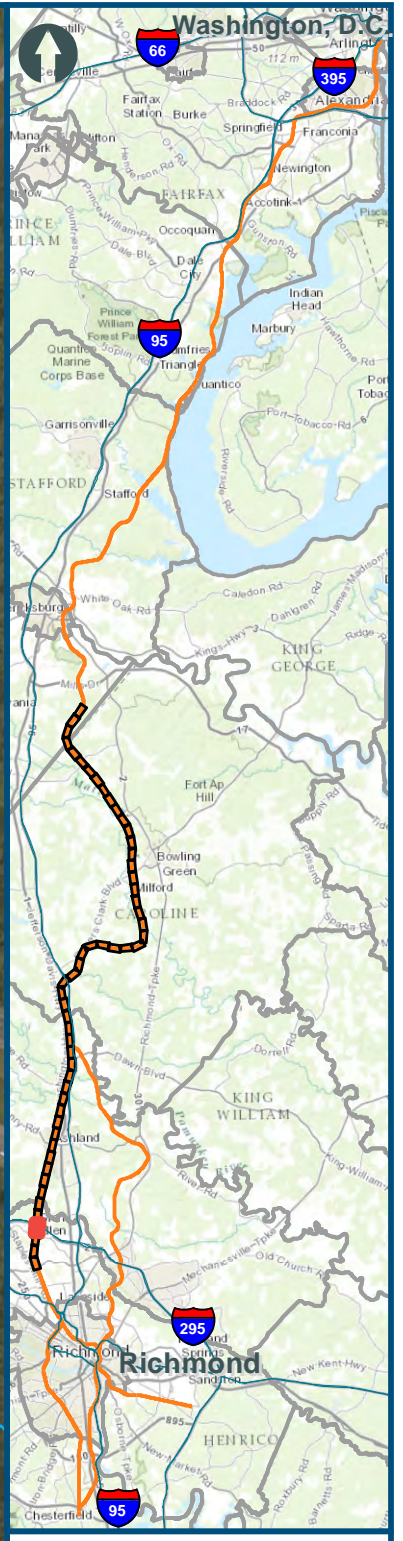
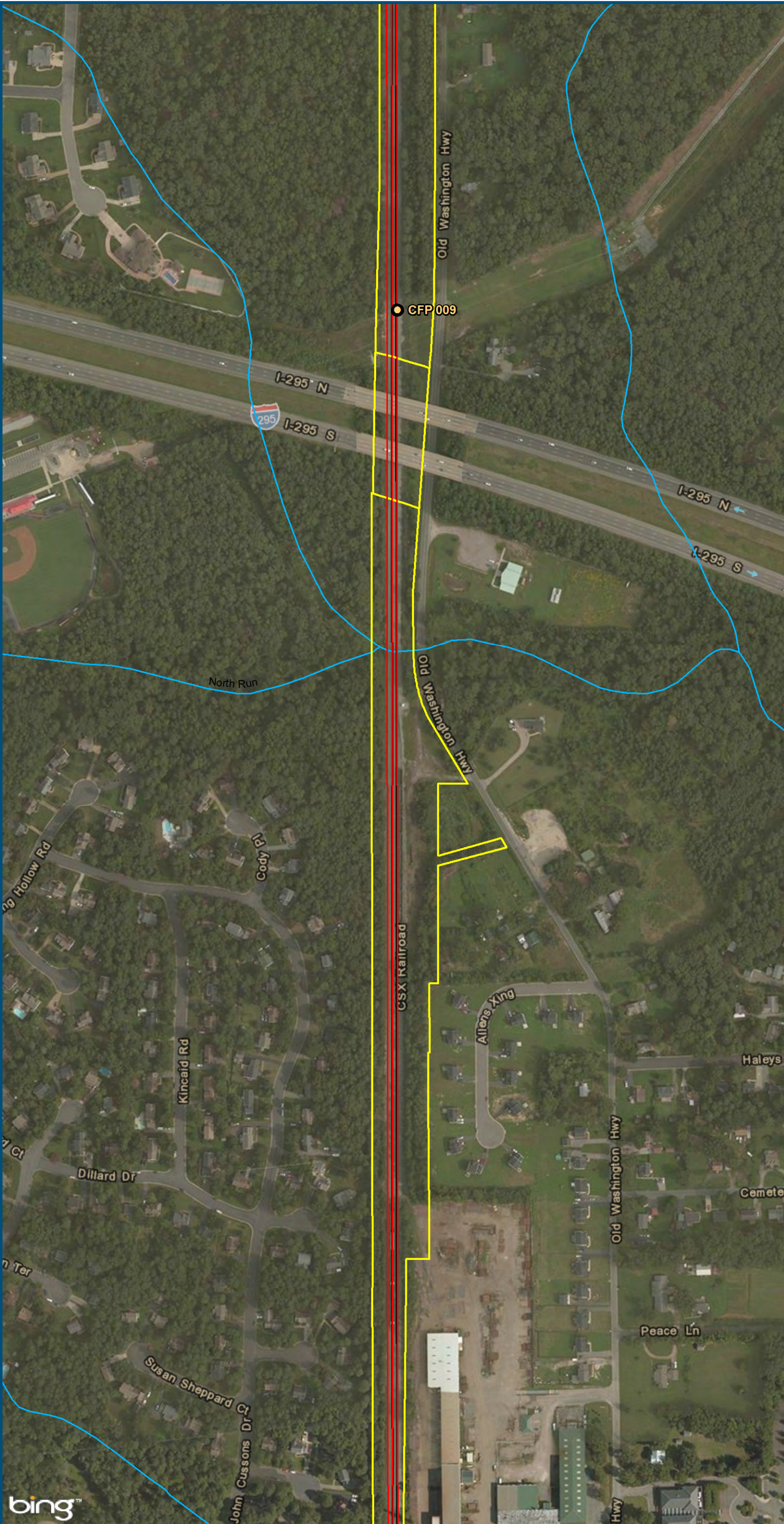
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

Figure P-51
Central Virginia
Constrained
Alignment Option

\\dlmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Cht6_Appendices_CEN_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015

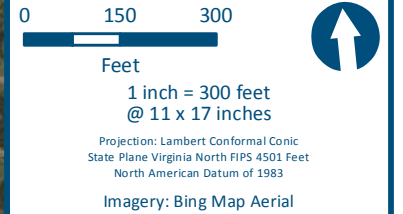
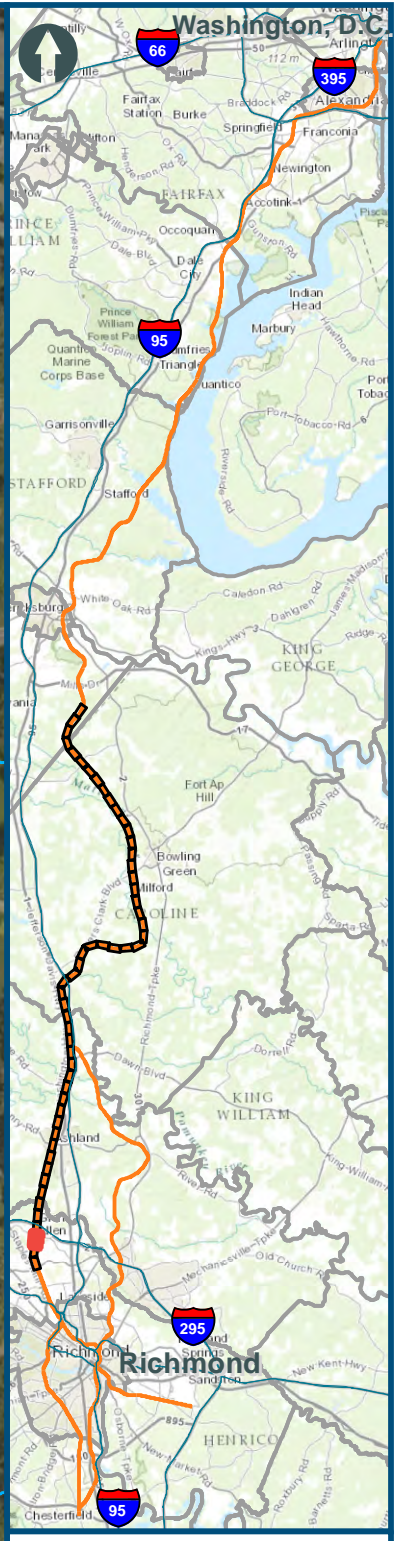
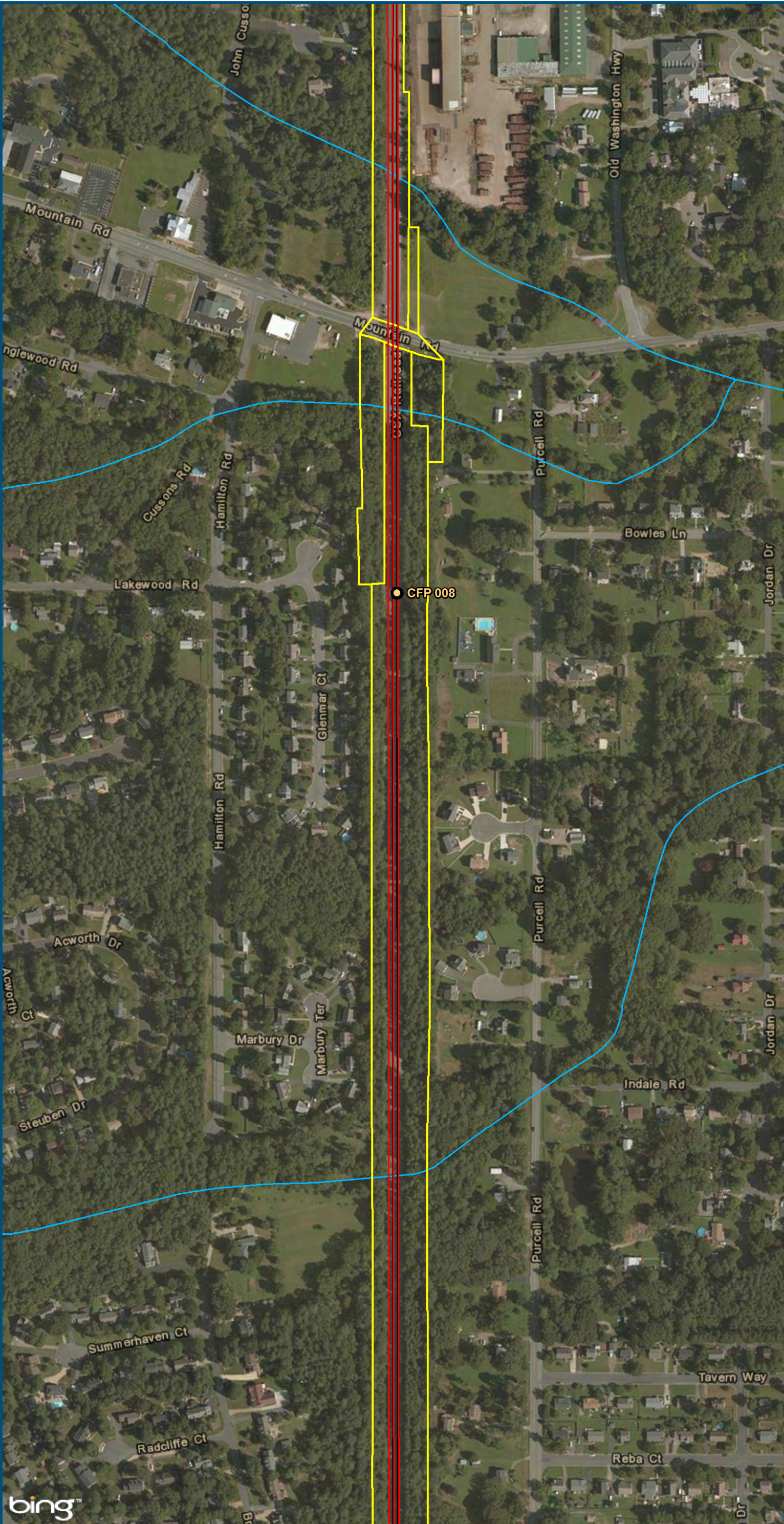


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

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

Figure P-52
Central Virginia
Constrained
Alignment Option

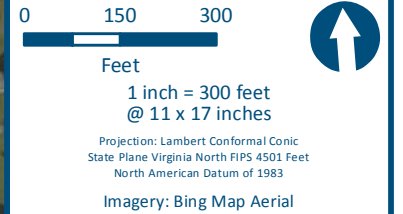
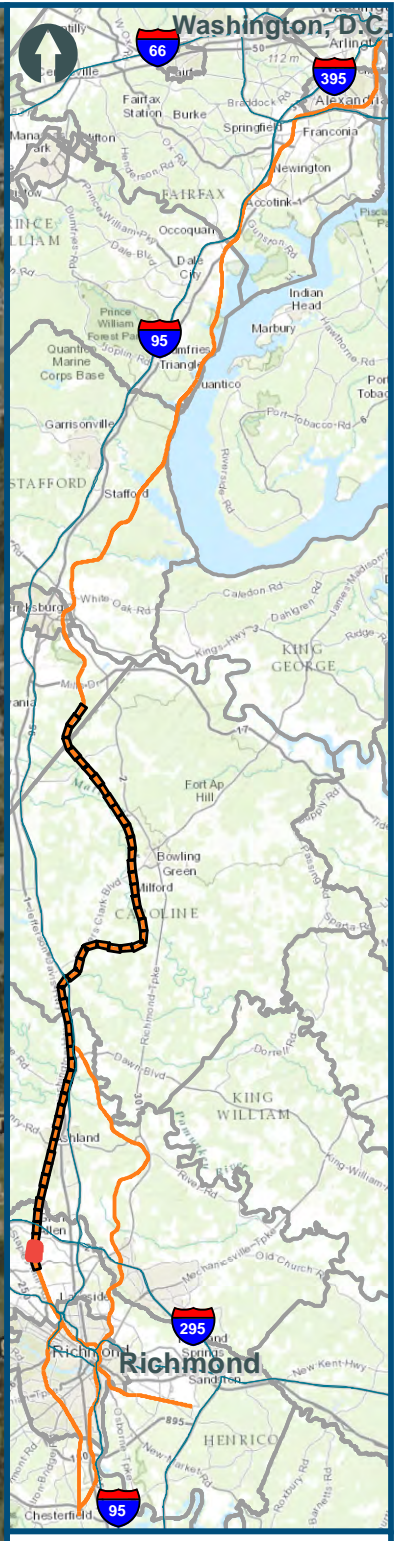
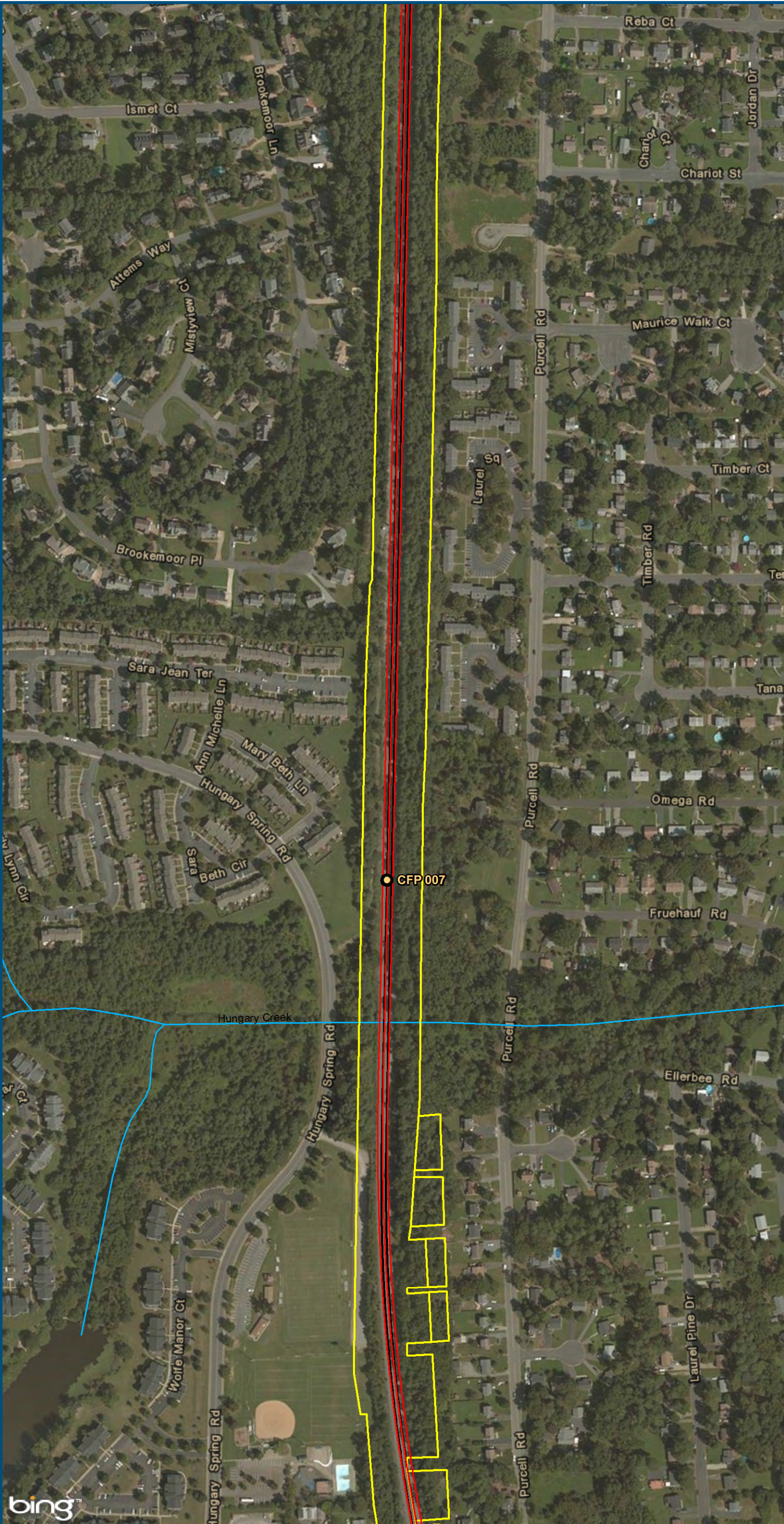
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - CSXT Right-of-Way
 - Streams

Figure P-53
Central Virginia
Constrained
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_Constrained_Alignments_11x17.mxd | Last Updated: 11.02.2015








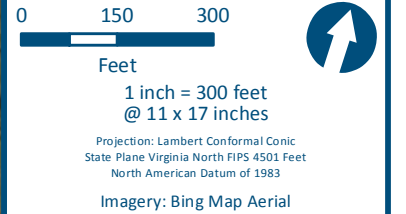
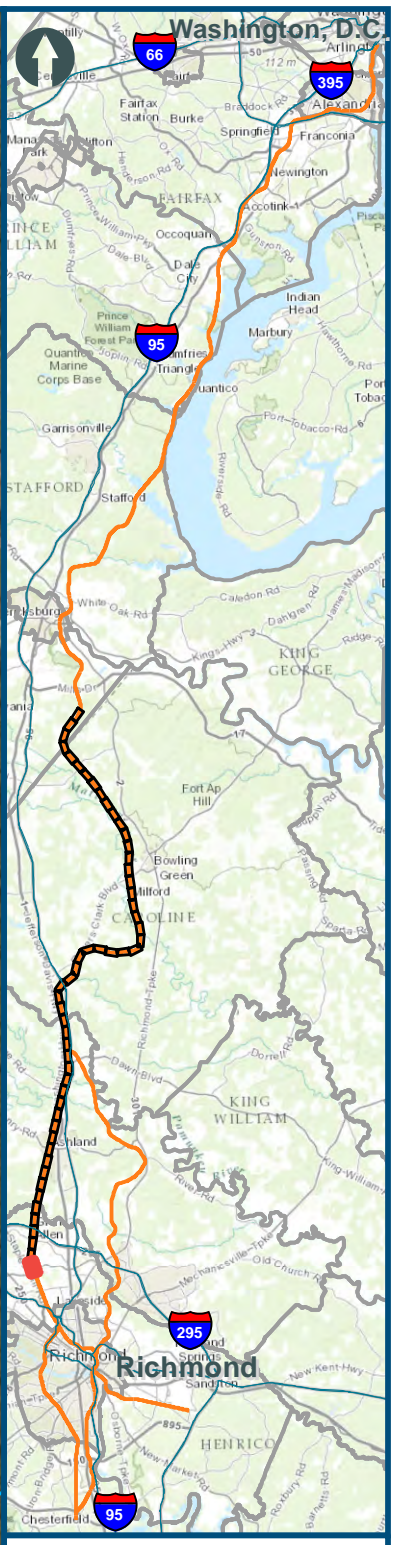
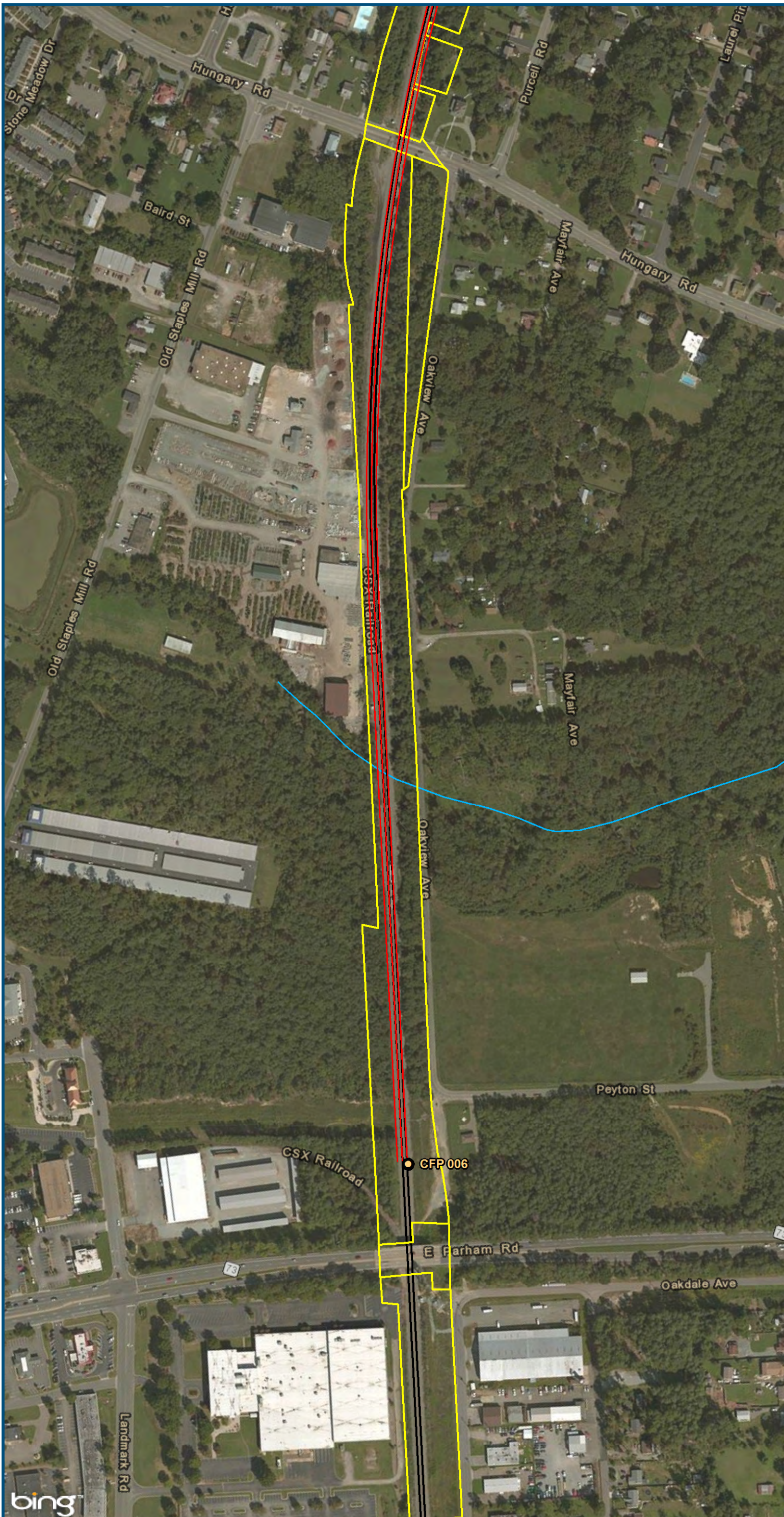
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  CSXT Right-of-Way
 -  Streams

Figure P-54
Central Virginia
Constrained
Alignment Option



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

Figure P-55
Central Virginia
Constrained
Alignment Option