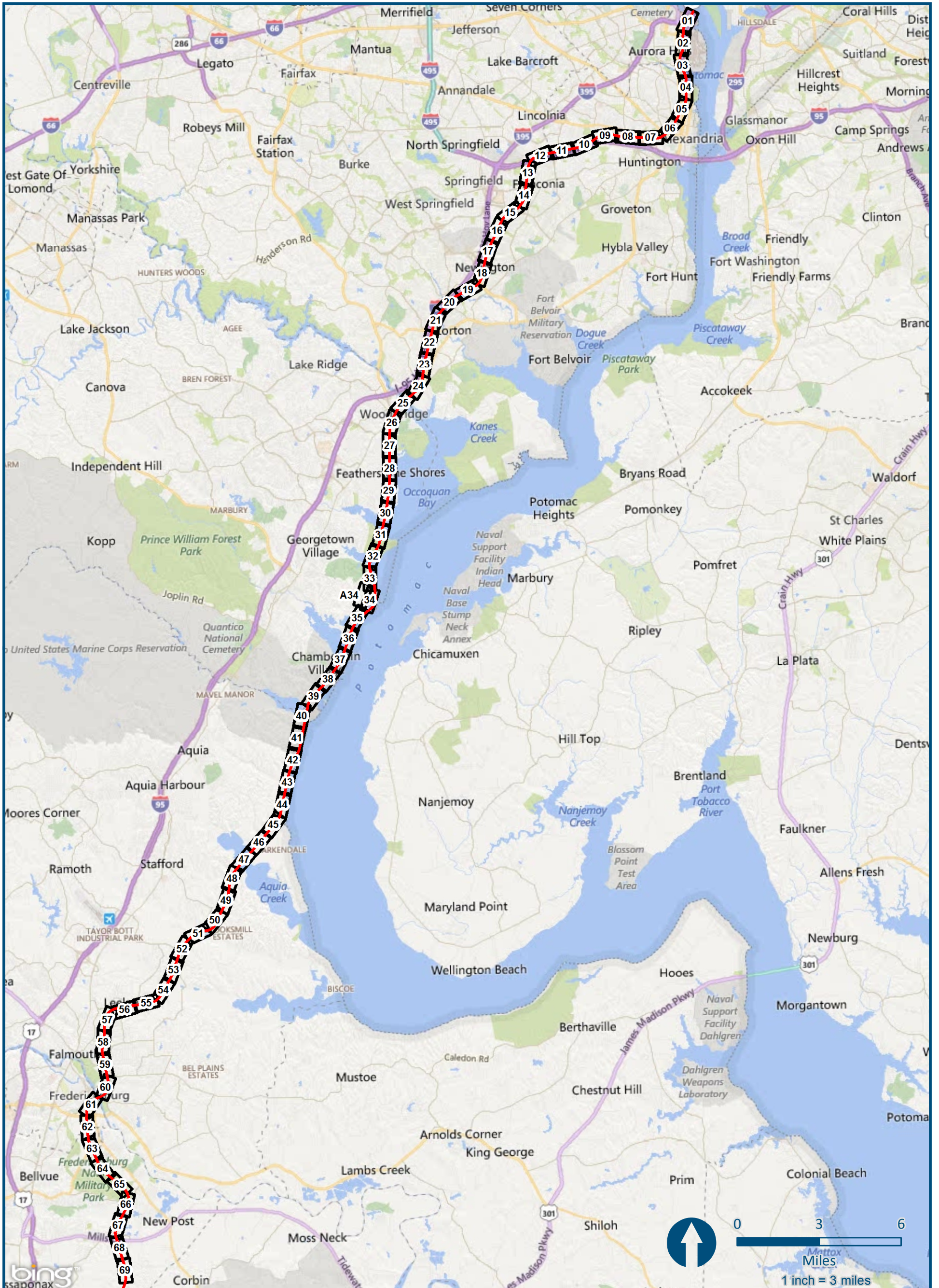
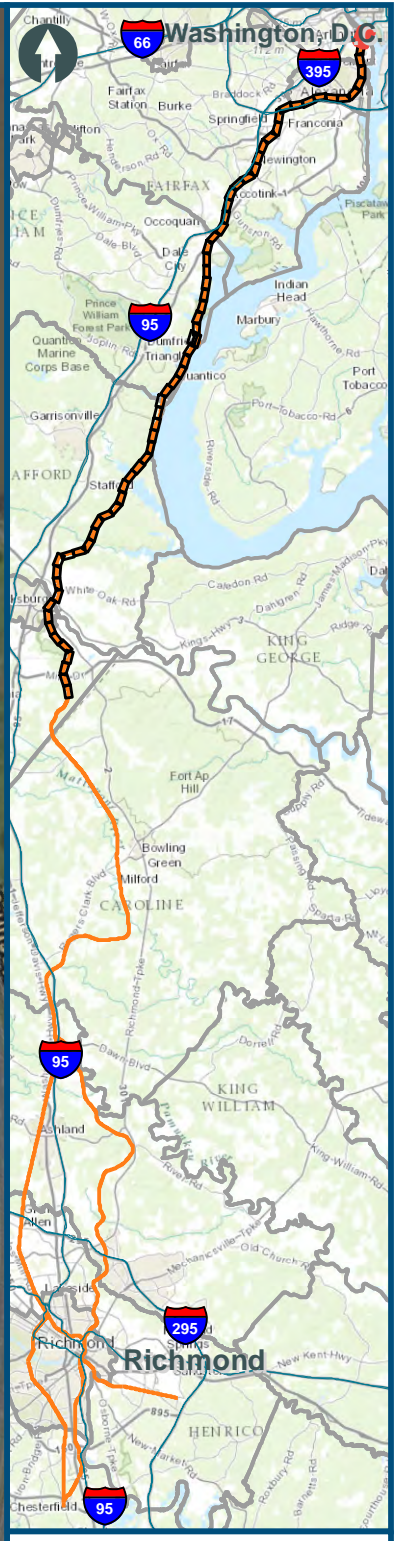


Northern Virginia (NOV) Project Section Optimized Alignment Option Index Map



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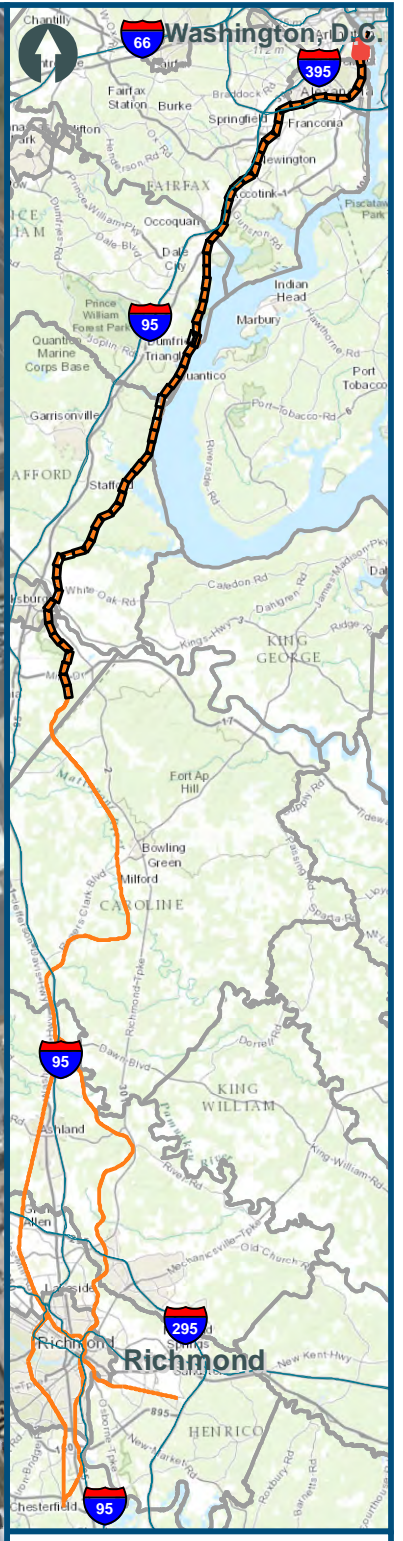


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure M-1
Northern Virginia
Optimized
Alignment Option

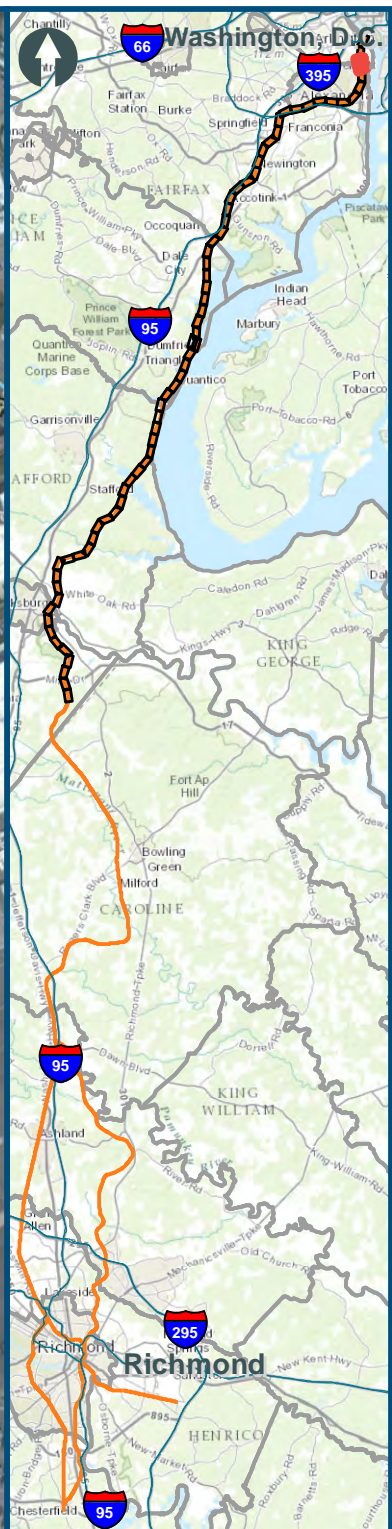
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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- WMATA
 - VRE Station
 - CSXT Mileposts
 - Existing Track
 - New Track
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

Figure M-2
Northern Virginia
Optimized
Alignment Option



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

**Figure M-3
Northern Virginia
Optimized
Alignment Option**

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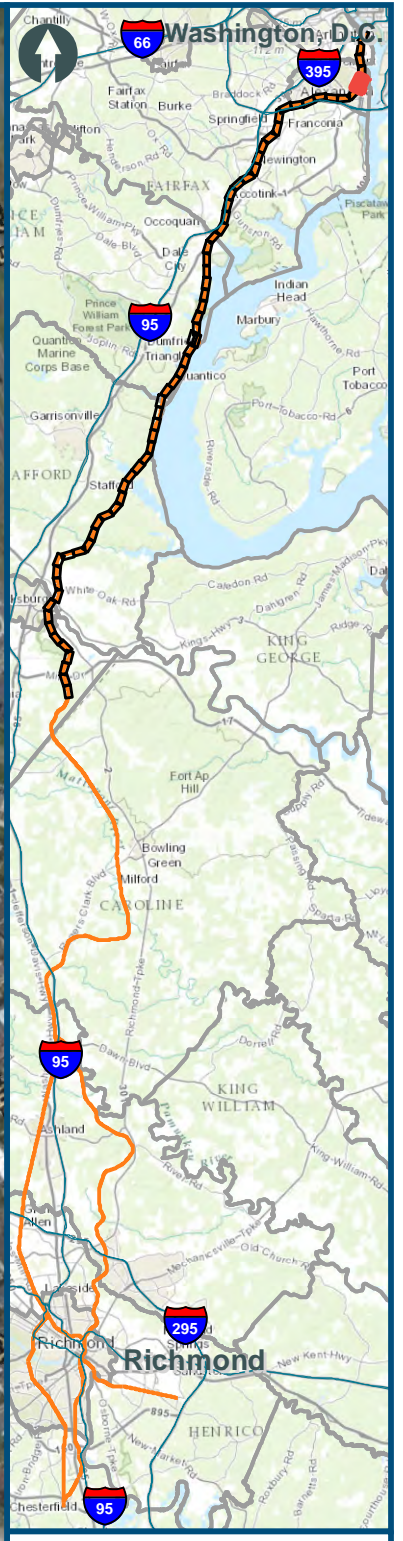


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Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure M-4
Northern Virginia
Optimized
Alignment Option

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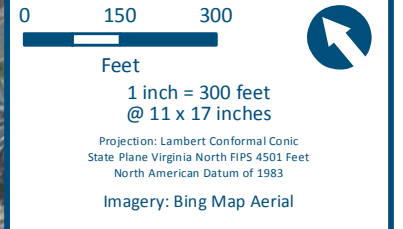


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Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure M-5
Northern Virginia
Optimized
Alignment Option

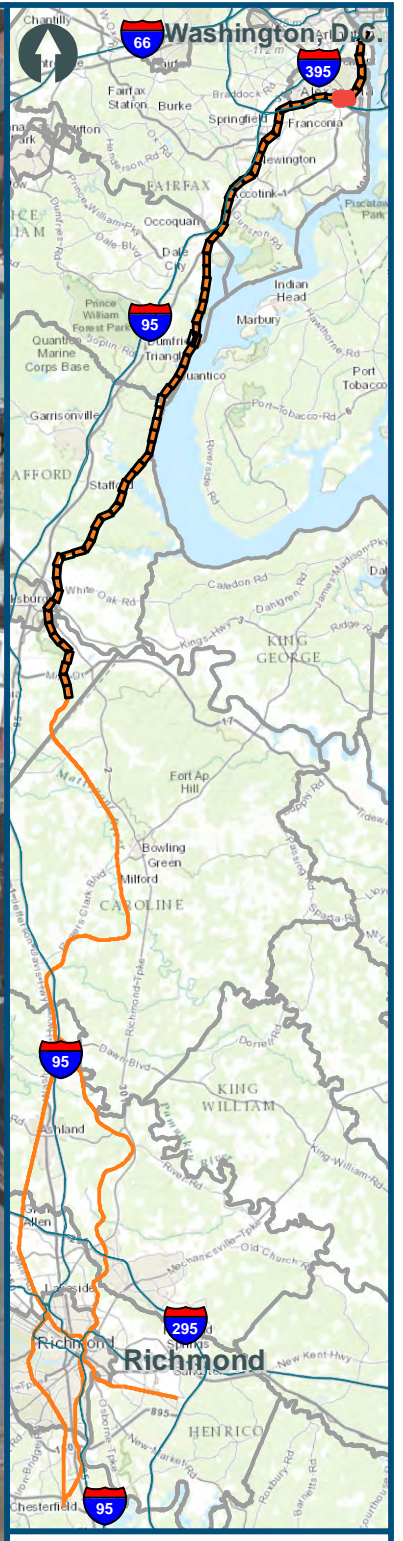
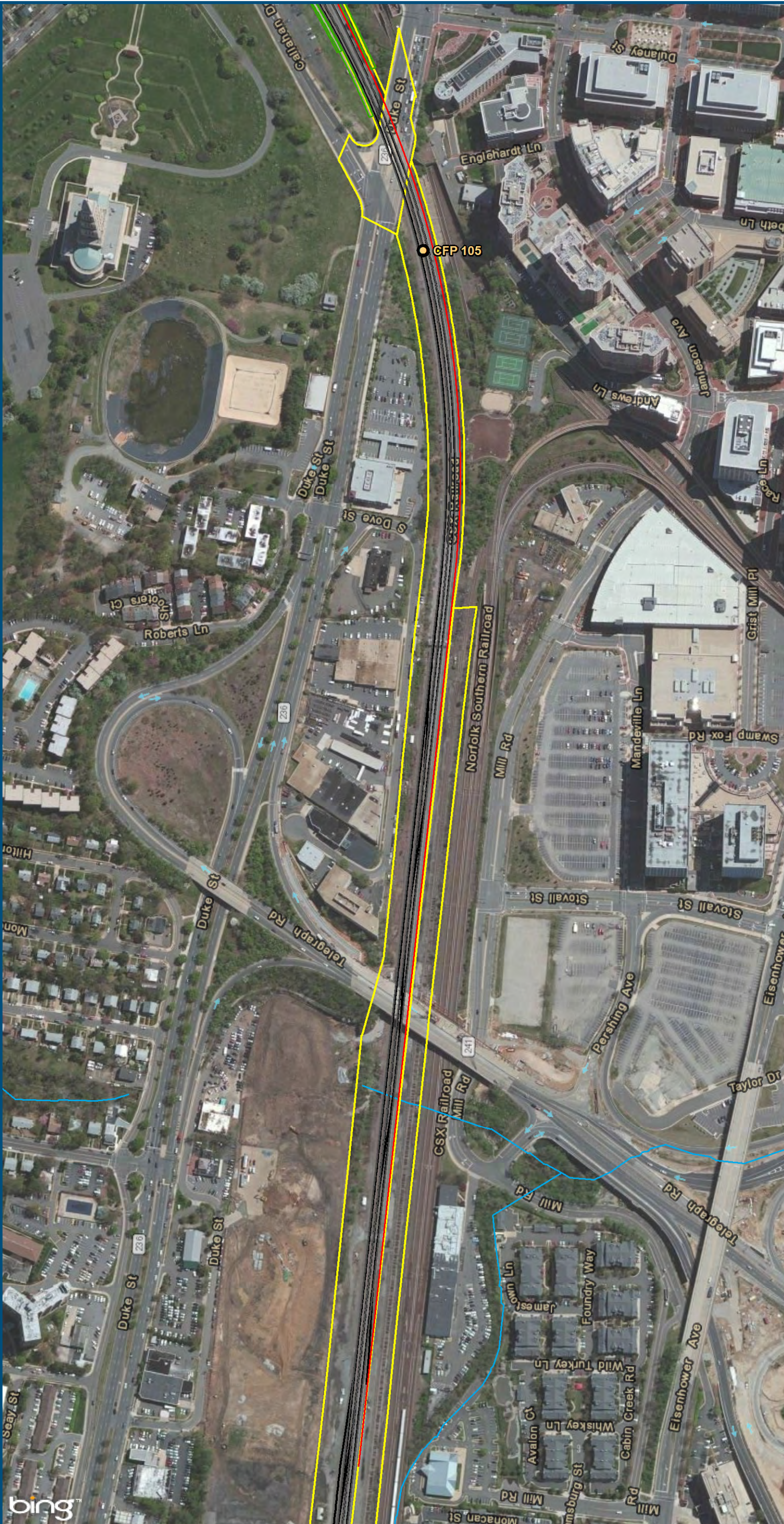
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- Legend**
- WMATA
 - Amtrak/VRE Station
 - CSXT Mileposts
 - Existing Track
 - New Track
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

**Figure M-6
Northern Virginia
Optimized
Alignment Option**

\\dlmain\GIS_DATA\GIS\Projects\11545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Chp6_Appendices_NOV_Optimized_Alignments_11x17.mxd | Last Updated: 11/04/2015



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
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

Figure M-7
Northern Virginia
Optimized
Alignment Option

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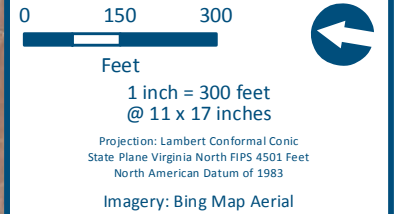
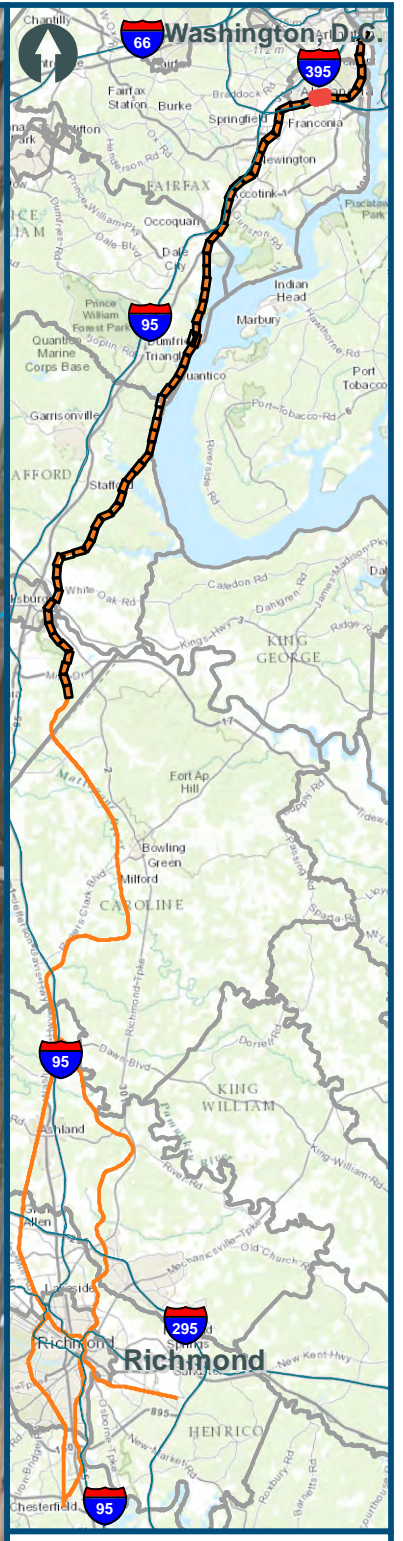
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Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial








Legend

- CSXT Mileposts
- Existing Track
- New Track
- Station Platform
- Shifted Track
- CSXT Right-of-Way
- Streams

Figure M-8
Northern Virginia
Optimized
Alignment Option

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

**Figure M-9
Northern Virginia
Optimized
Alignment Option**

\\dlismain\GIS_DATA\GIS\Projects\11545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Ch6_Appendices_NOV_Optimized_Alignments_11x17.mxd | Last Updated: 11/04/2015

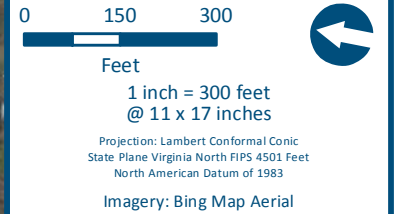
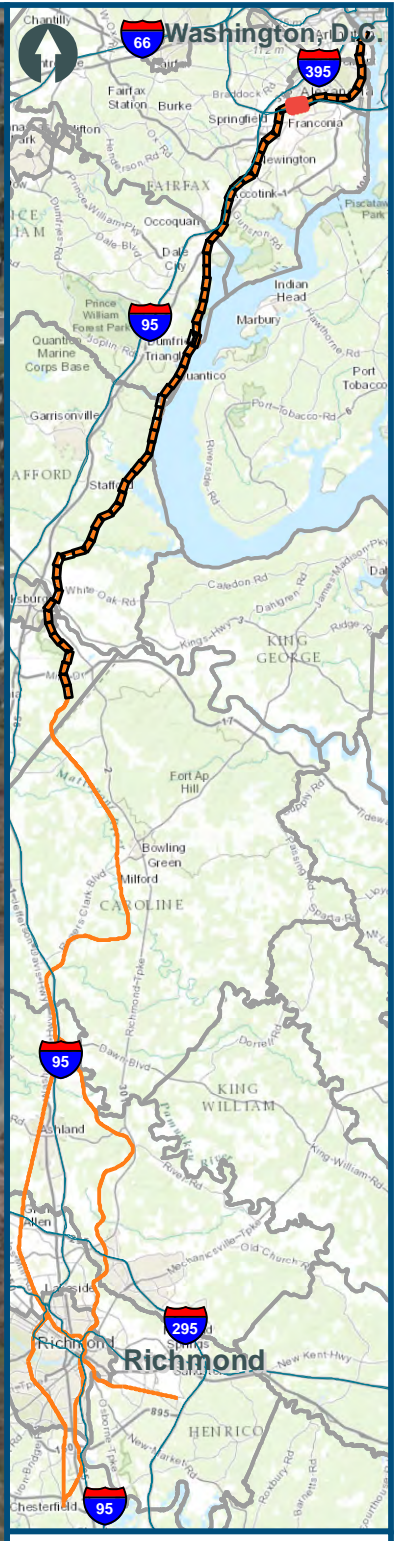
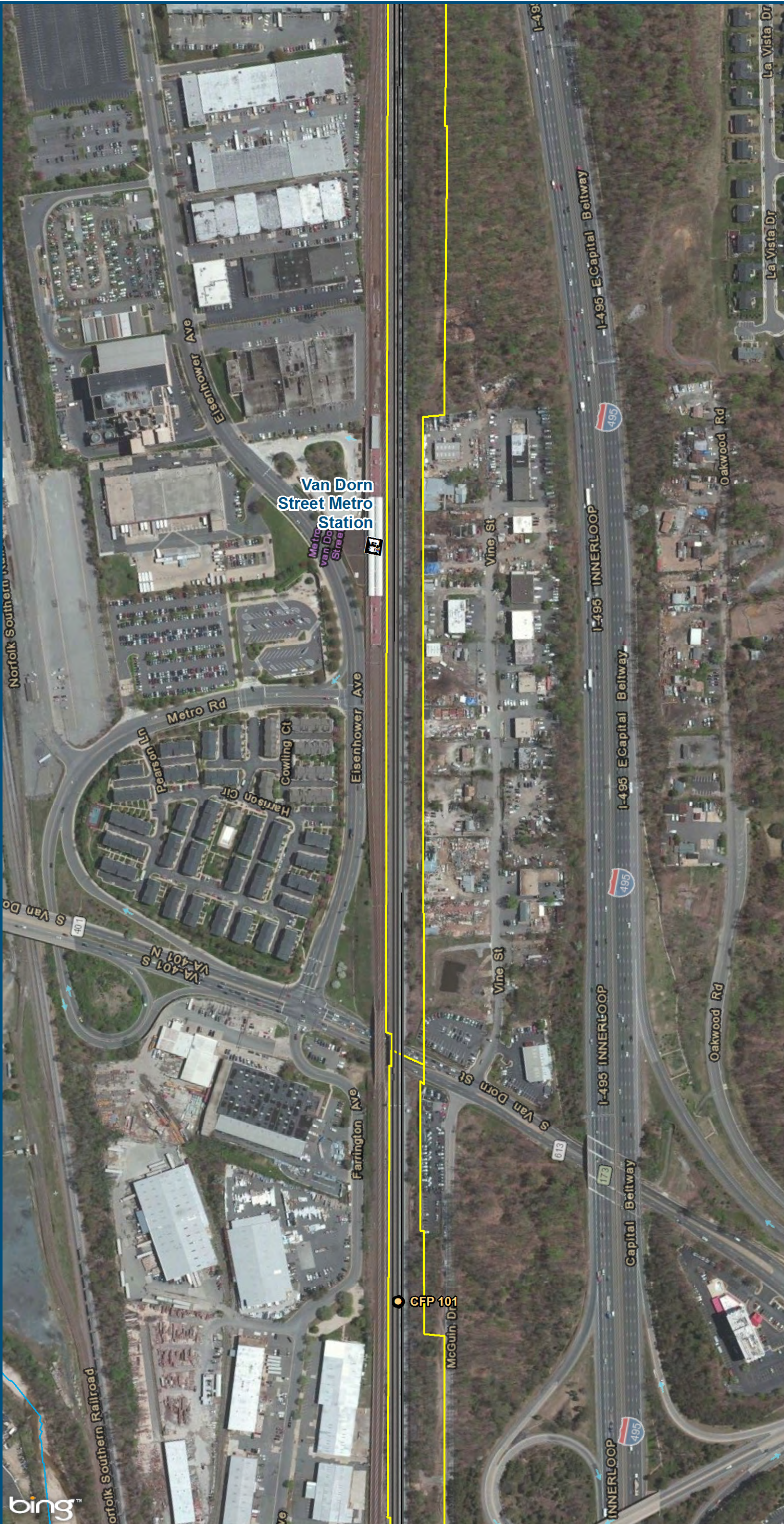


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Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure M-10
Northern Virginia
Optimized
Alignment Option

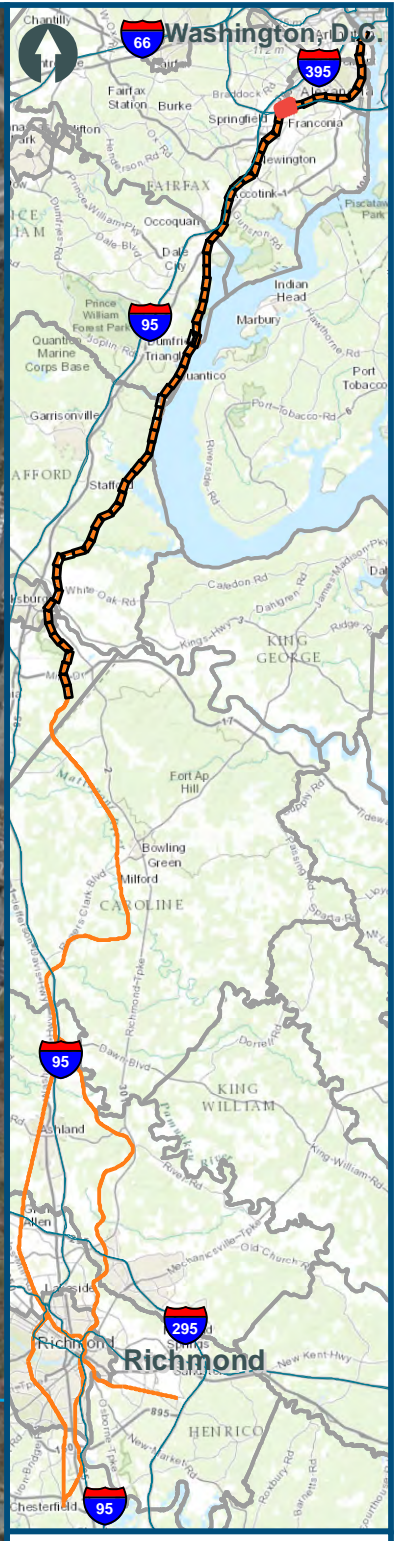
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- Legend**
- WMATA
 - CSXT Mileposts
 - Existing Track
 - New Track
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

**Figure M-11
Northern Virginia
Optimized
Alignment Option**

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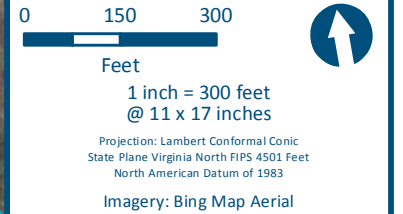
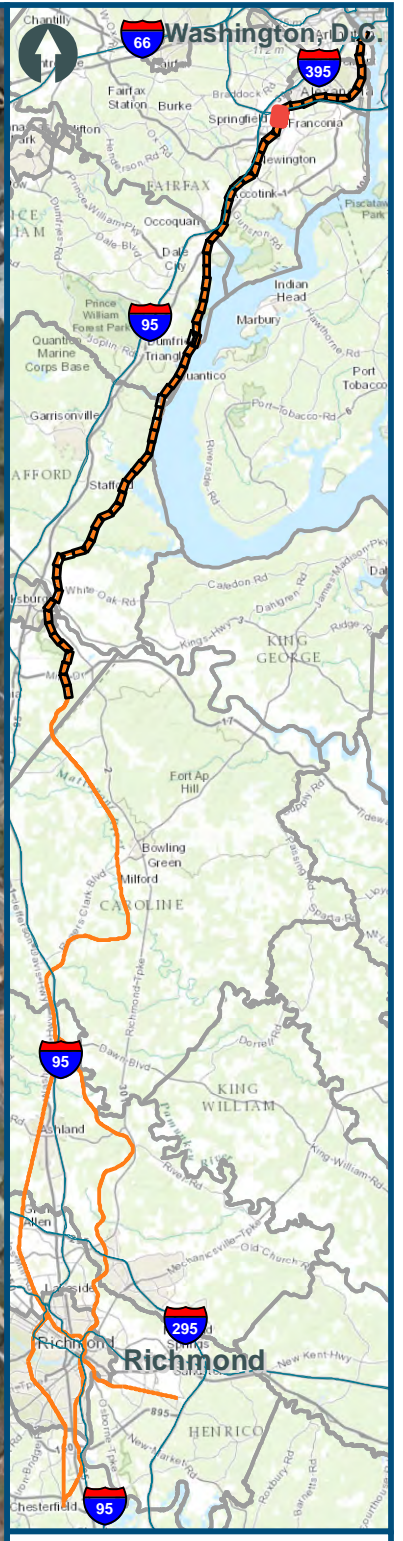
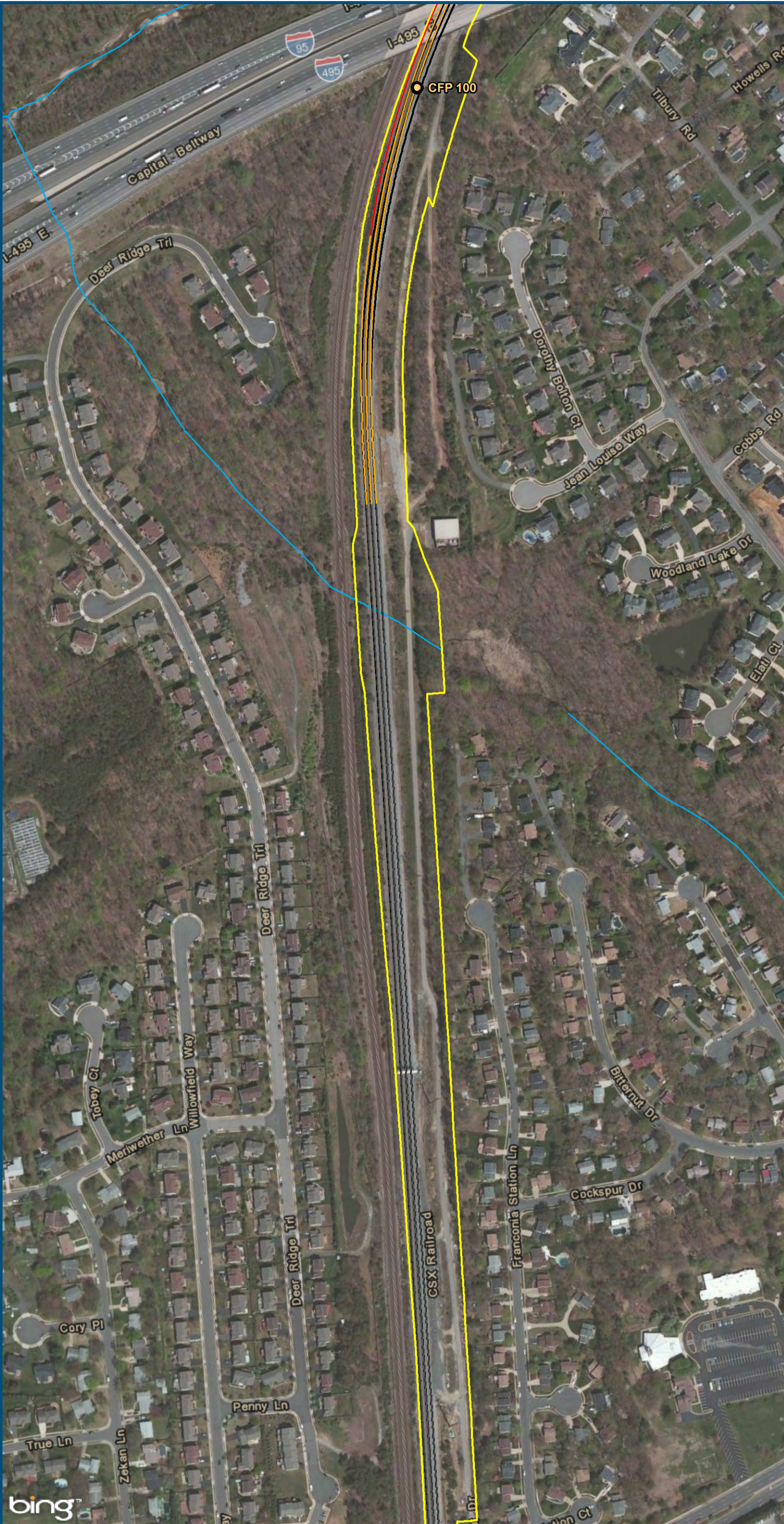


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure M-12
Northern Virginia
Optimized
Alignment Option

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

Figure M-13
Northern Virginia
Optimized
Alignment Option

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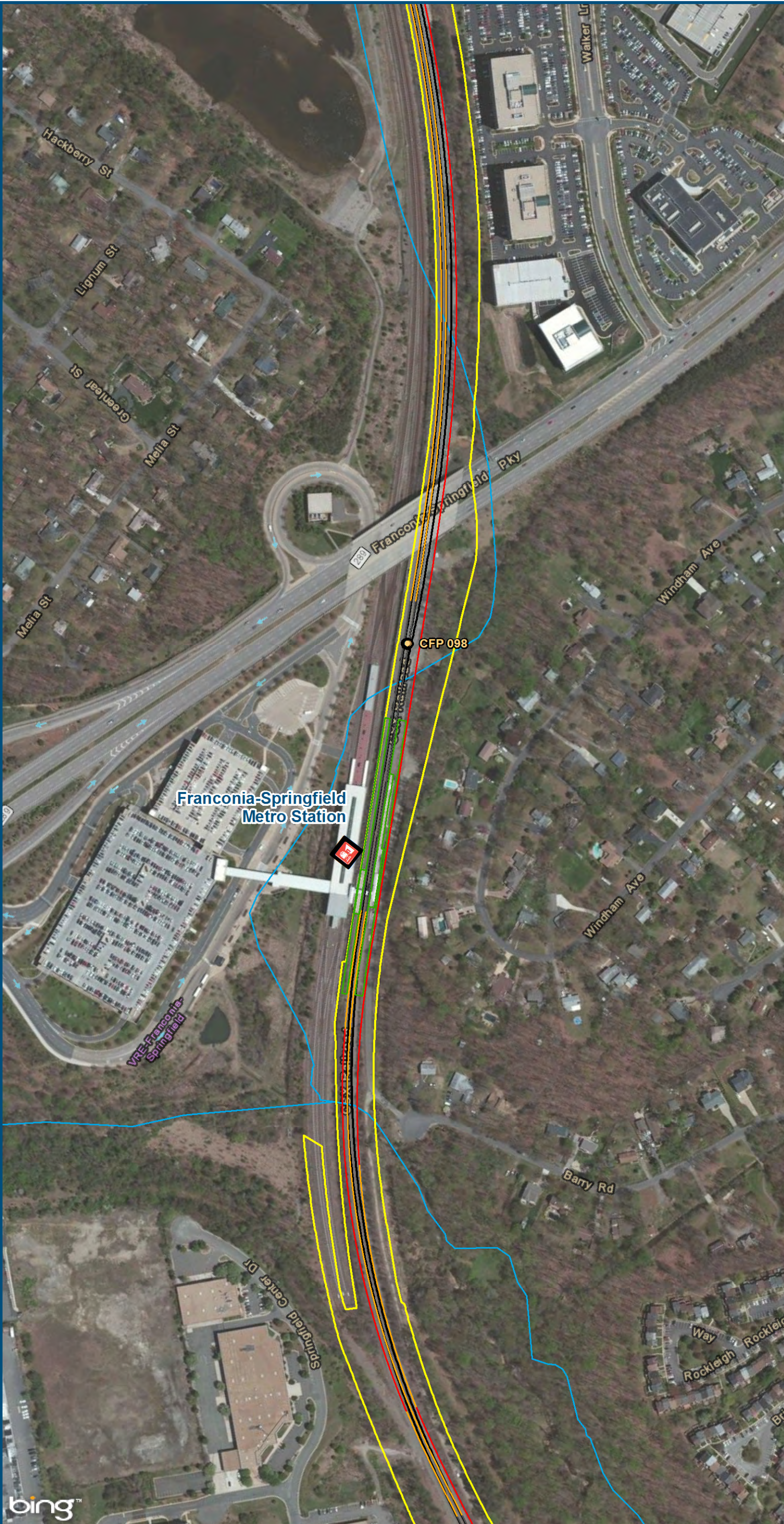


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure M-14
Northern Virginia
Optimized
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









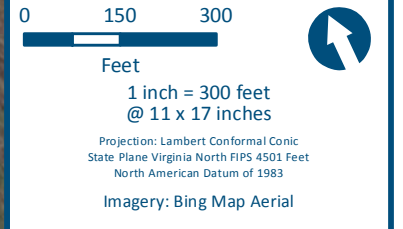
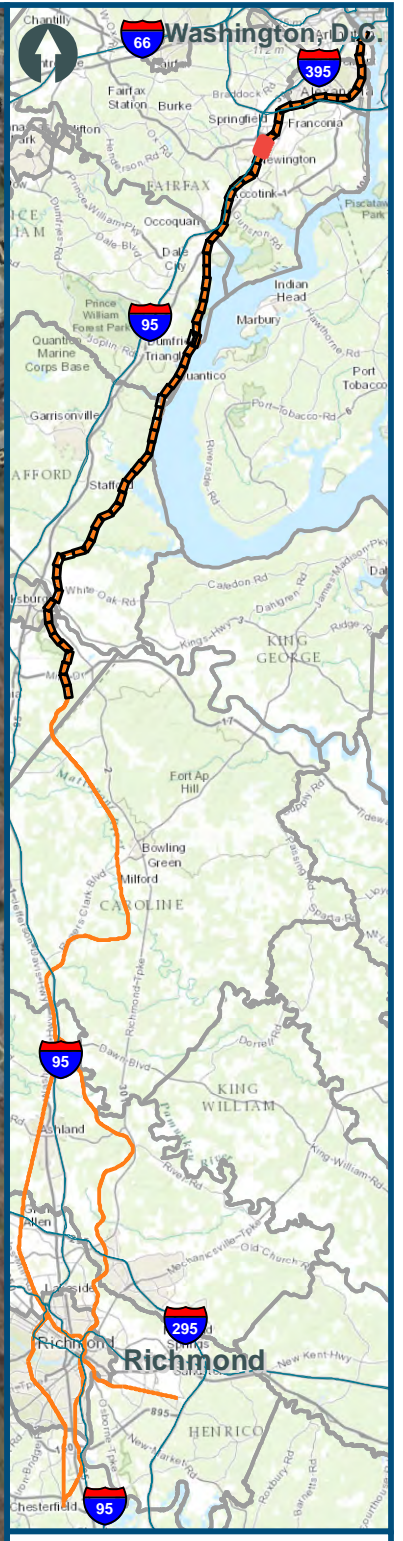
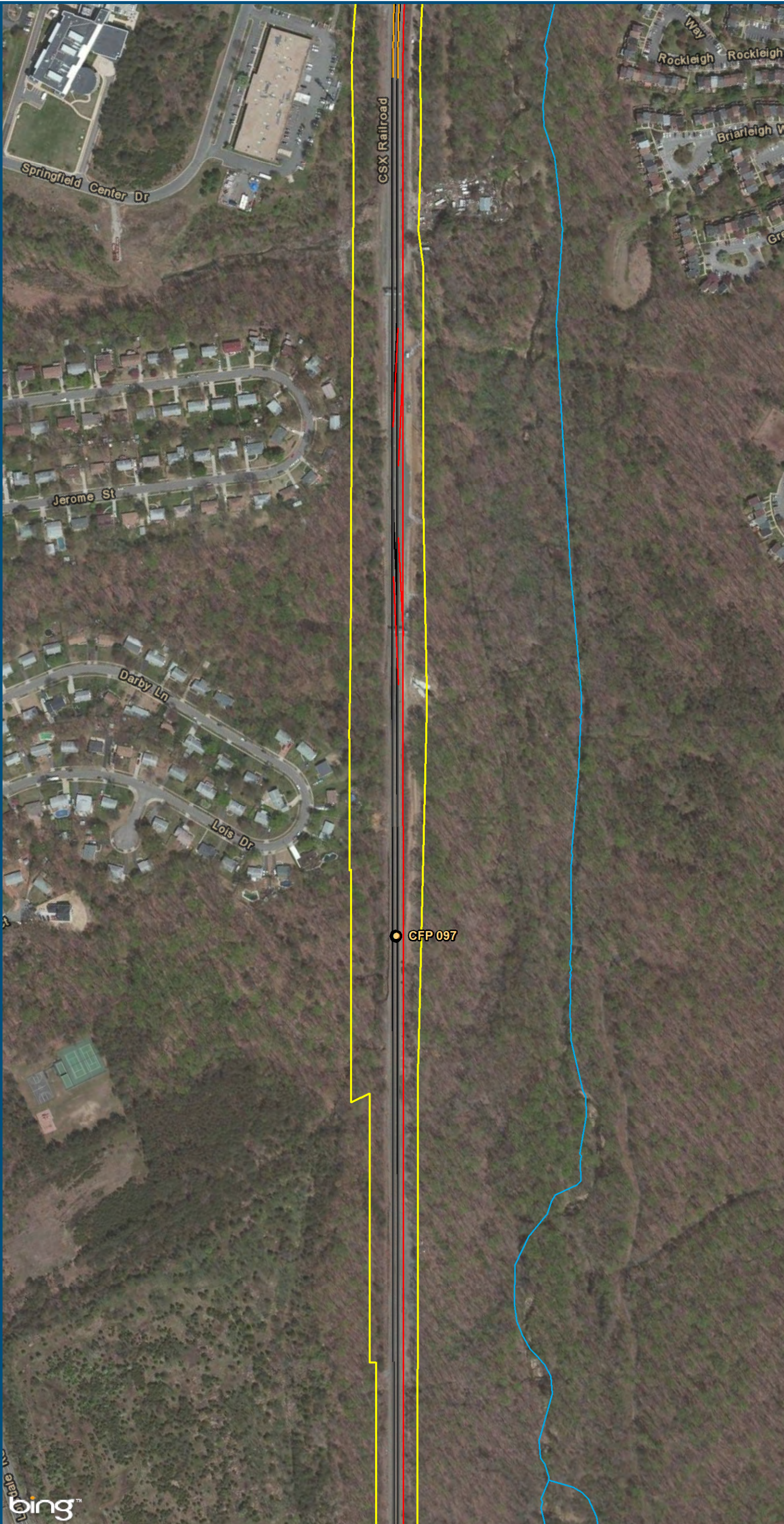
- Legend**
-  VRE/Wmata Station
 -  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  Station Platform
 -  Shifted Track
 -  CSXT Right-of-Way
 -  Streams

Figure M-15
Northern Virginia
Optimized
Alignment Option

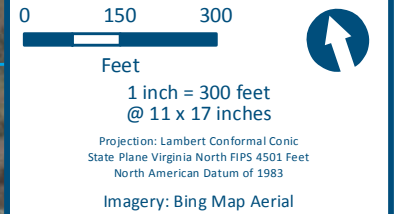
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

Figure M-16
Northern Virginia
Optimized
Alignment Option

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

Figure M-17
Northern Virginia
Optimized
Alignment Option

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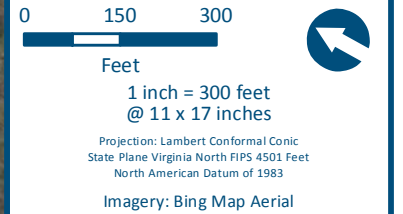


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Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure M-18
Northern Virginia
Optimized
Alignment Option

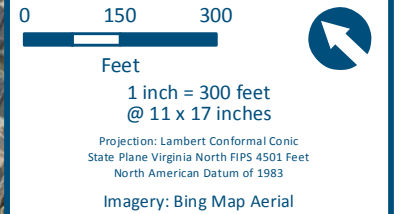
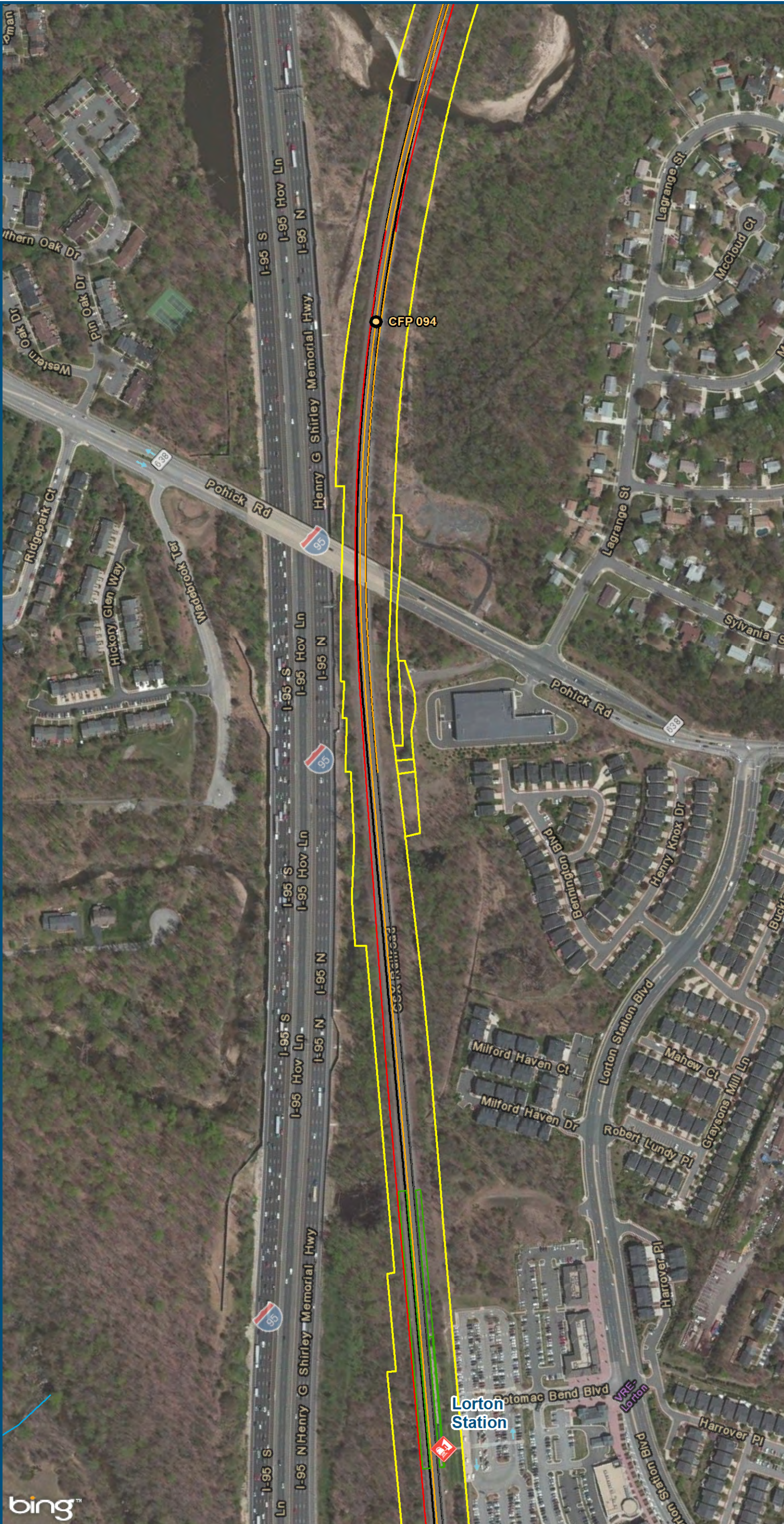
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- Legend**
- CSXT Mileposts
 - Existing Track
 - New Track
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

Figure M-19
Northern Virginia
Optimized
Alignment Option

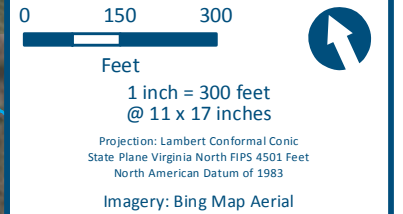
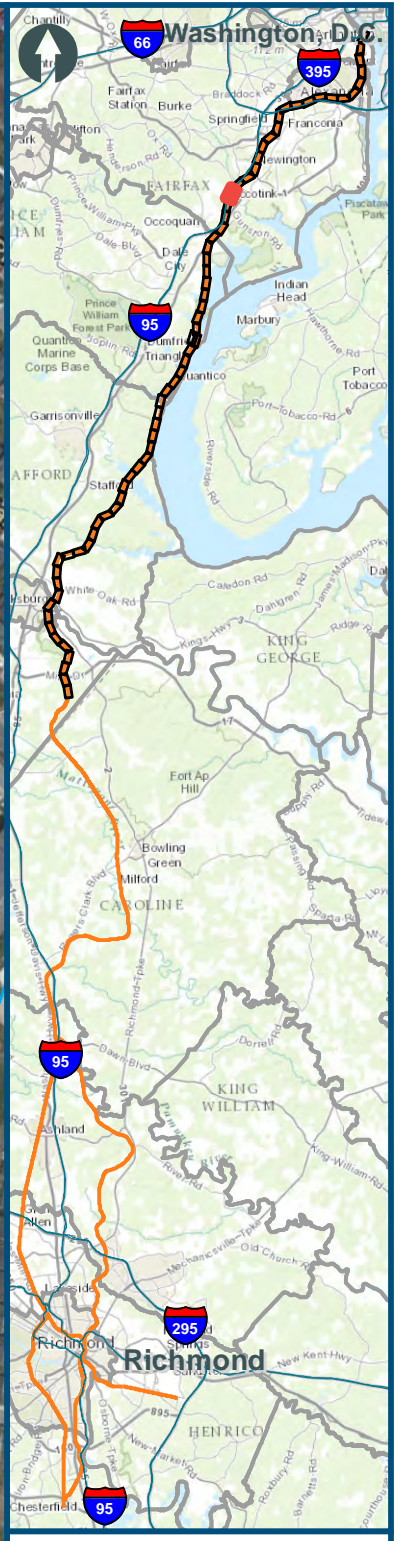
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- Legend**
- VRE Station
 - CSXT Mileposts
 - Existing Track
 - New Track
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

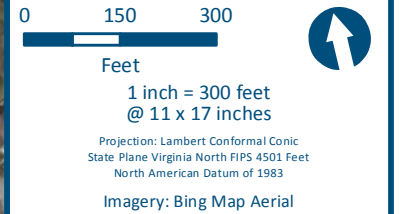
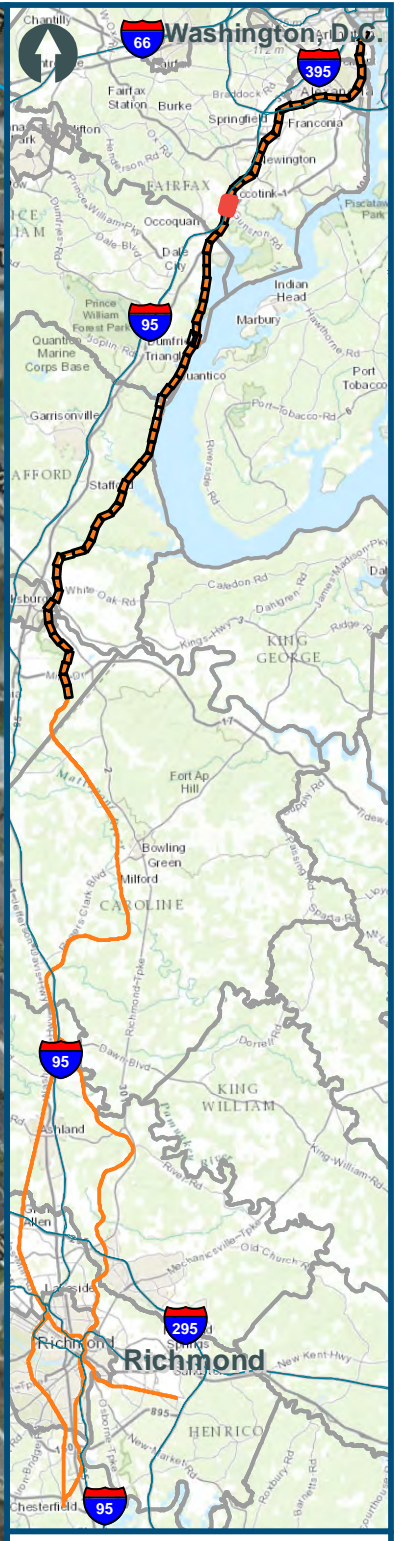
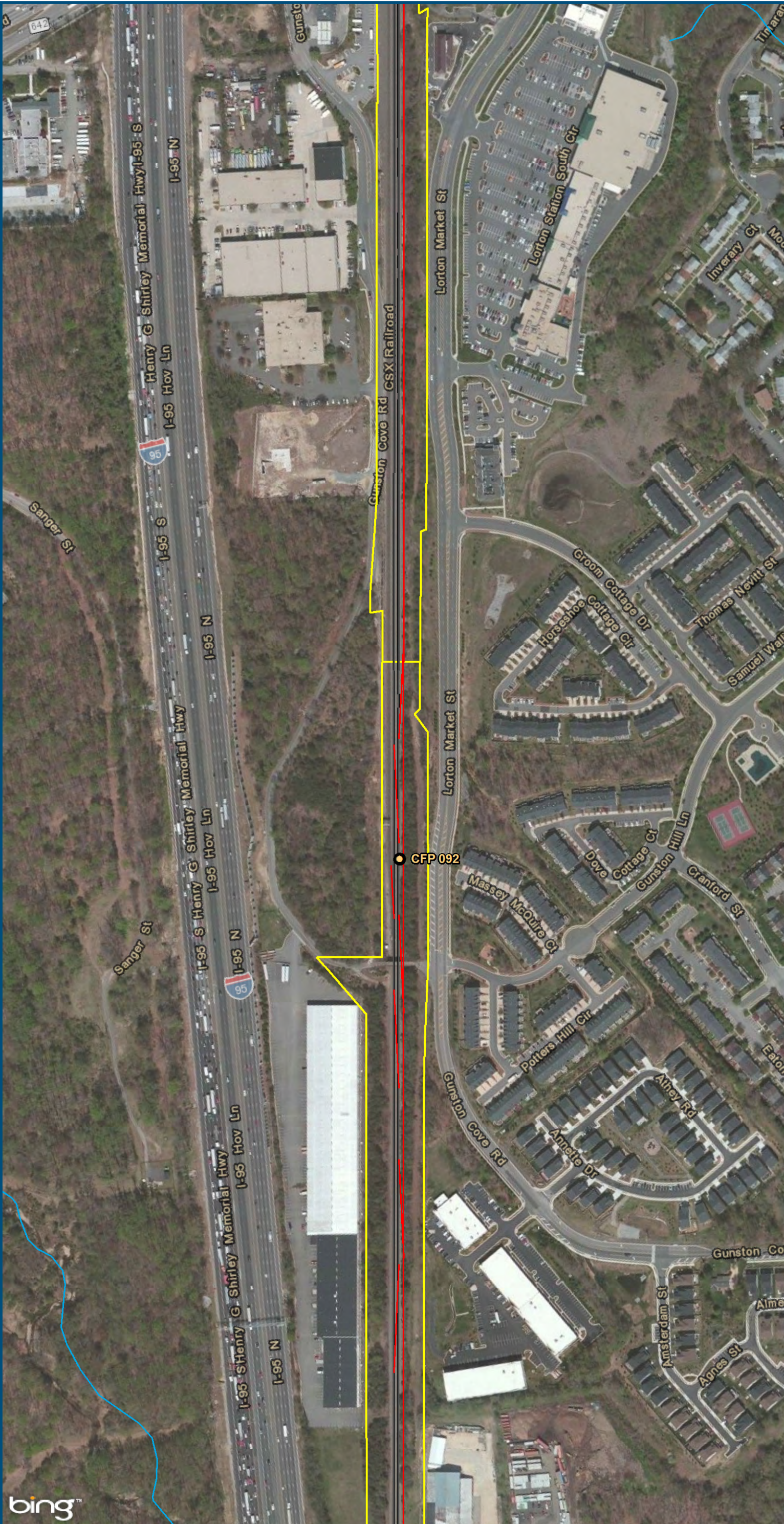
Figure M-20
Northern Virginia
Optimized
Alignment Option

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

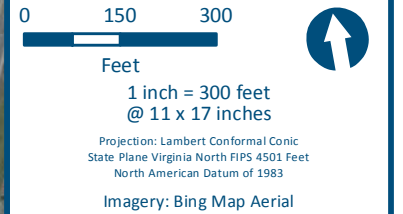
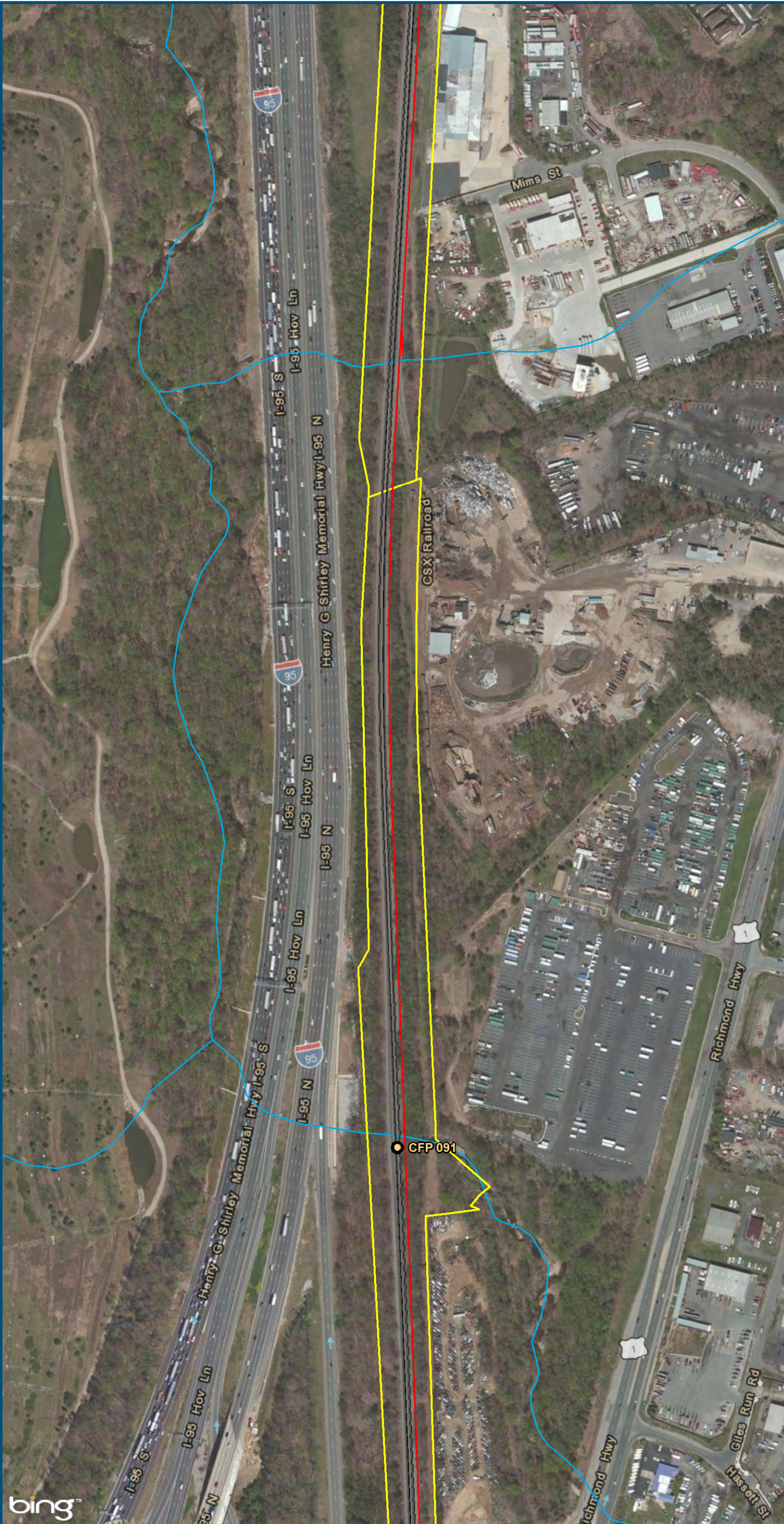
**Figure M-21
Northern Virginia
Optimized
Alignment Option**



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

Figure M-22
Northern Virginia
Optimized
Alignment Option

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

Figure M-23
Northern Virginia
Optimized
Alignment Option

\\dlismain\GIS_DATA\GIS\Projects\11545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4AllDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Cht6_Appendices_NOV_Optimized_Alignments_11x17.mxd | Last Updated: 11/04/2015



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
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

Figure M-24
Northern Virginia
Optimized
Alignment Option

\\dlismain\GIS_DATA\GIS\Projects\11545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Ch6_Appendices_NOV_Optimized_Alignments_11x17.mxd | Last Updated: 11/04/2015

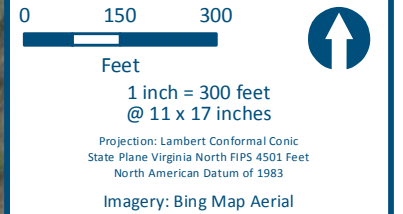
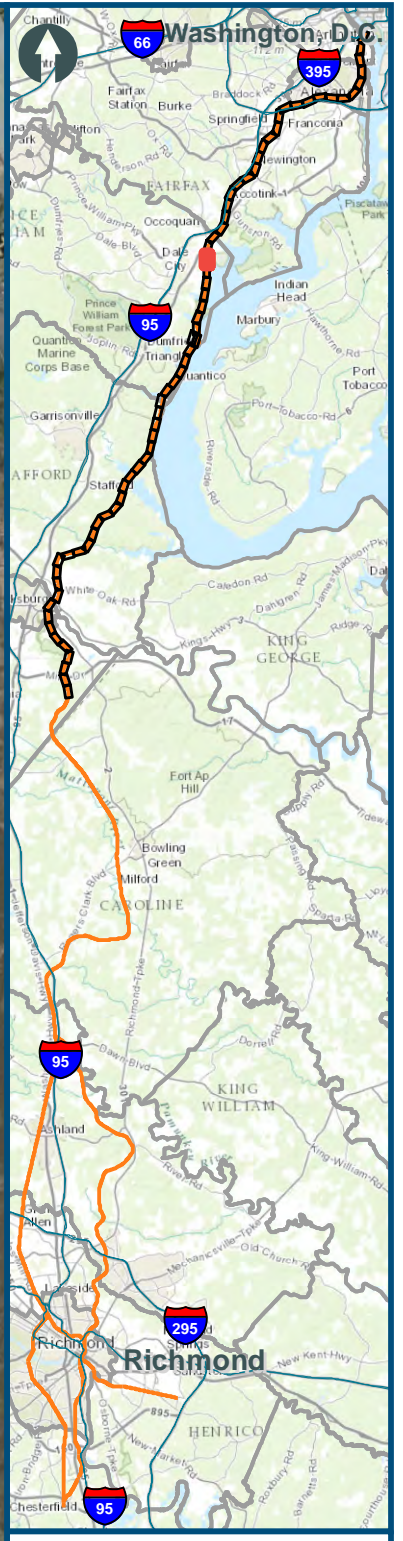
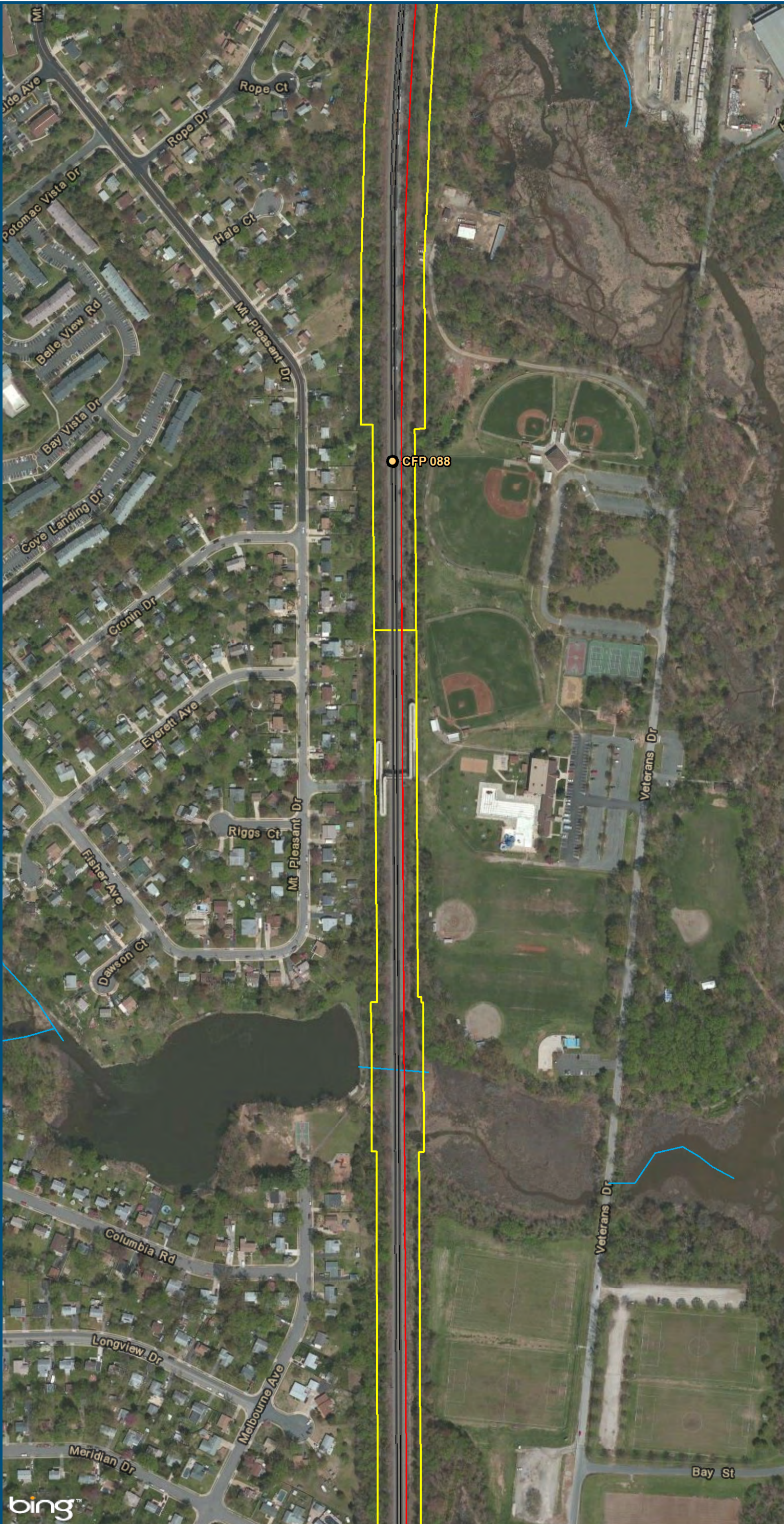


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure M-25
Northern Virginia
Optimized
Alignment Option

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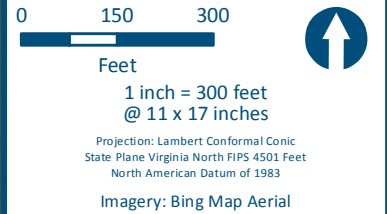
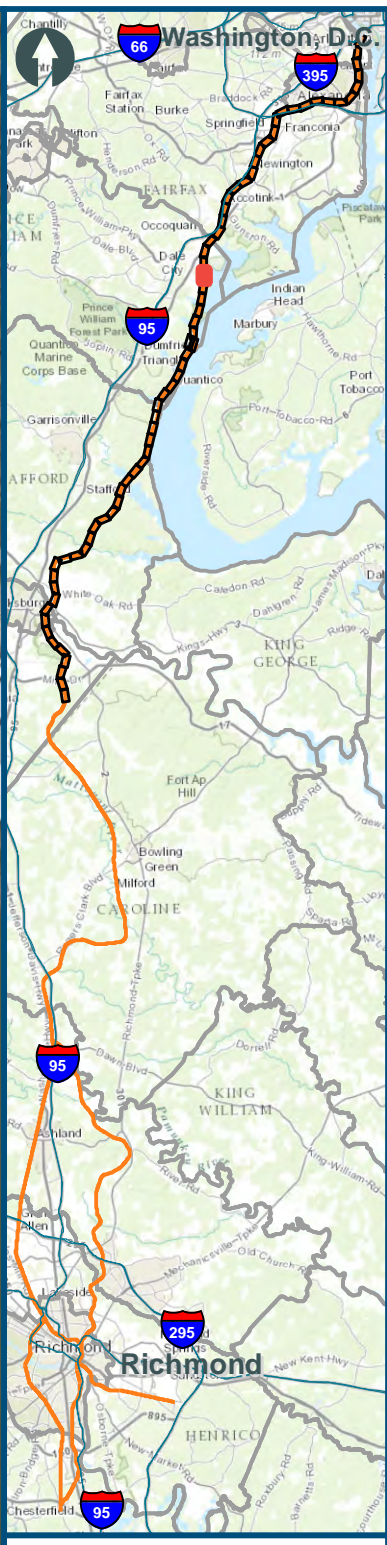
- Legend**
-  CSXT Mileposts
 -  Existing Track
 -  New Track
 -  Station Platform
 -  Shifted Track
 -  CSXT Right-of-Way
 -  Streams

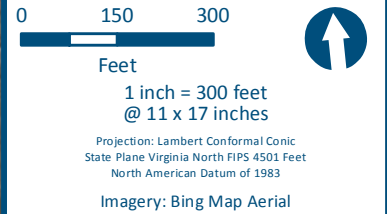
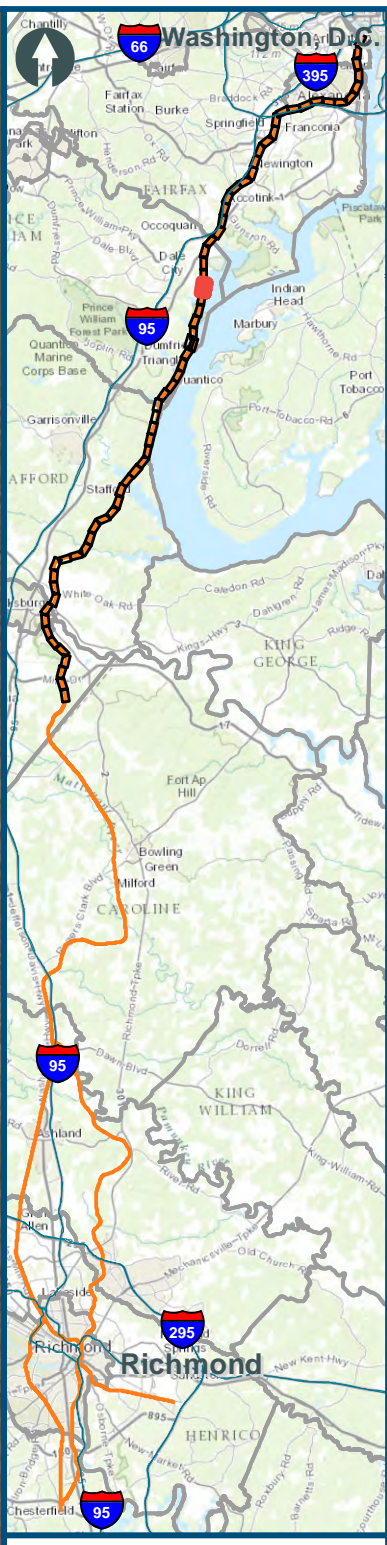
Figure M-27
Northern Virginia
Optimized
Alignment Option

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

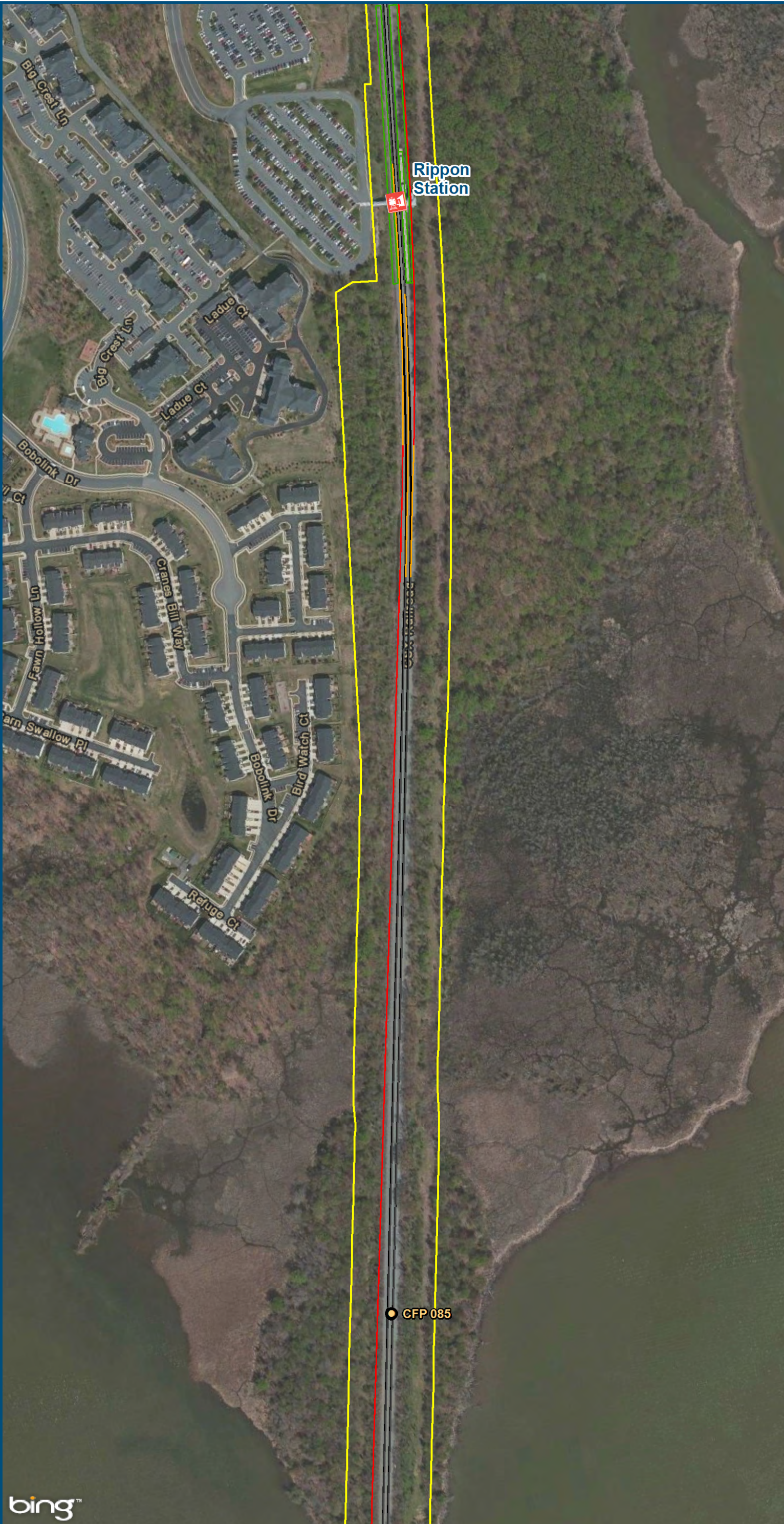
Figure M-28
Northern Virginia
Optimized
Alignment Option



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

Figure M-29
Northern Virginia
Optimized
Alignment Option

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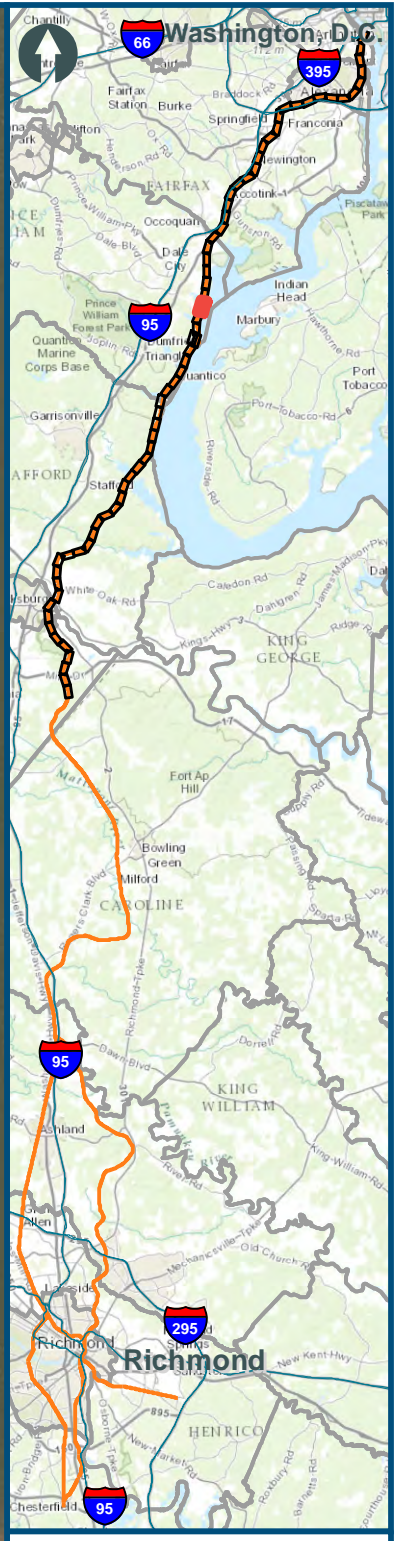


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- VRE Station
 - CSXT Mileposts
 - Existing Track
 - New Track
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

Figure M-30
Northern Virginia
Optimized
Alignment Option

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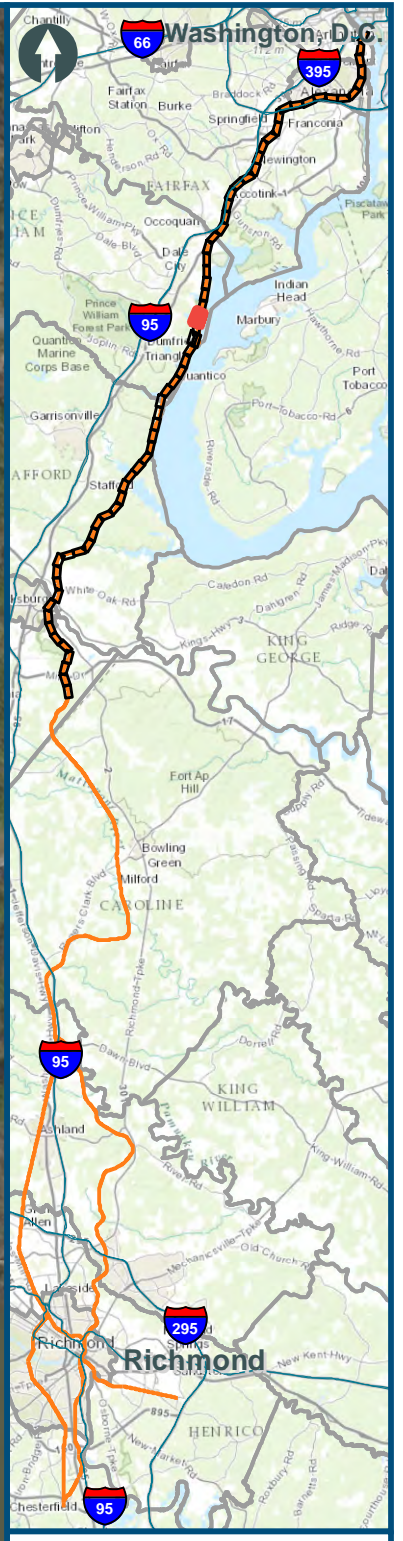


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure M-31
Northern Virginia
Optimized
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
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

Figure M-32
Northern Virginia
Optimized
Alignment Option

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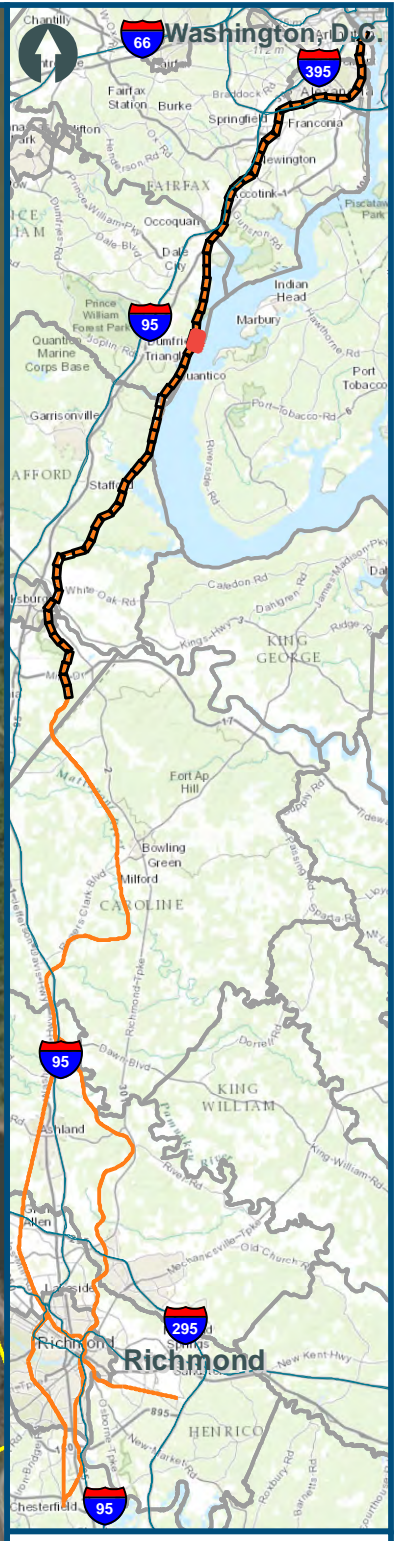


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- VRE Station
 - CSXT Mileposts
 - Third Track Under Construction by CSXT
 - Existing Track
 - New Track
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

Figure M-33
Northern Virginia
Optimized
Alignment Option

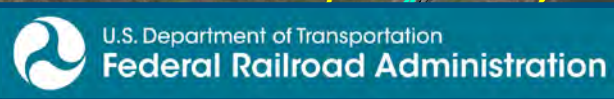
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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - Third Track Under Construction by CSXT
 - Existing Track
 - New Track
 - Station Platform
 - Shifted Track
 - CSXT Right-of-Way
 - Streams

Figure M-34
Northern Virginia
Optimized
Alignment Option



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