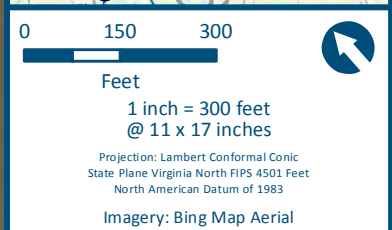
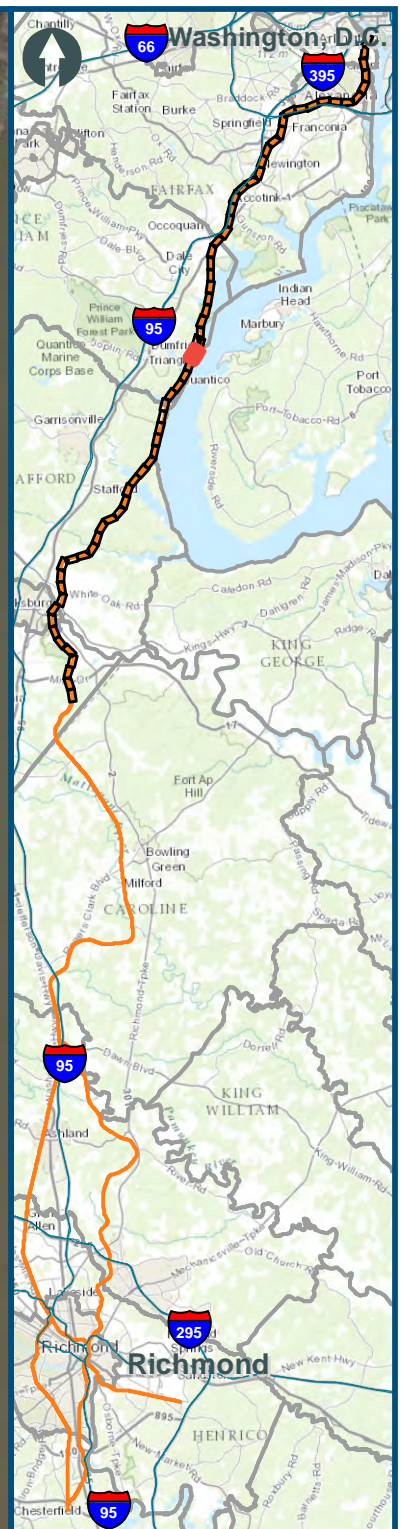


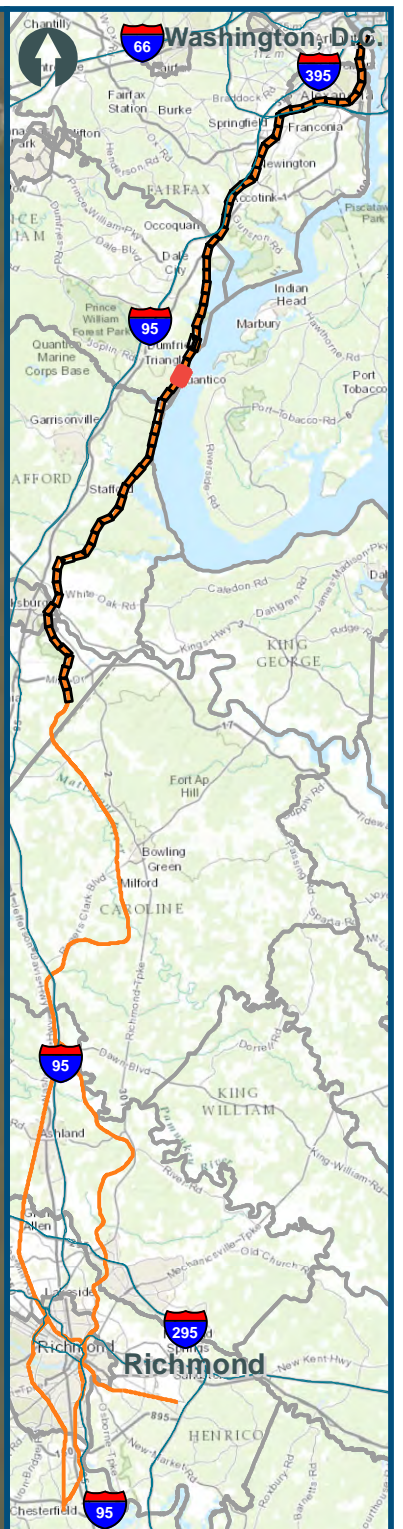
\\dlismain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Ch6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.11.2015



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

Figure G-35
Northern Virginia
Constrained
Alignment Option

\\dlismain\GIS_DATA\GIS\Projects\011545_VA Dept of Rail - Public Transportation\0239056_RAPS-4\AIDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.11.2015

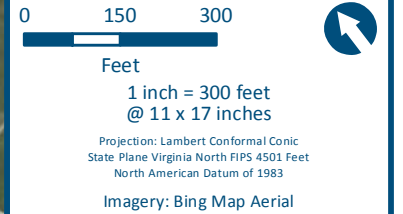


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure G-37
Northern Virginia
Constrained
Alignment Option

\\dlmain\GIS_DATA\GIS\Projects\11545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AllDev-ConceptEng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.11.2015








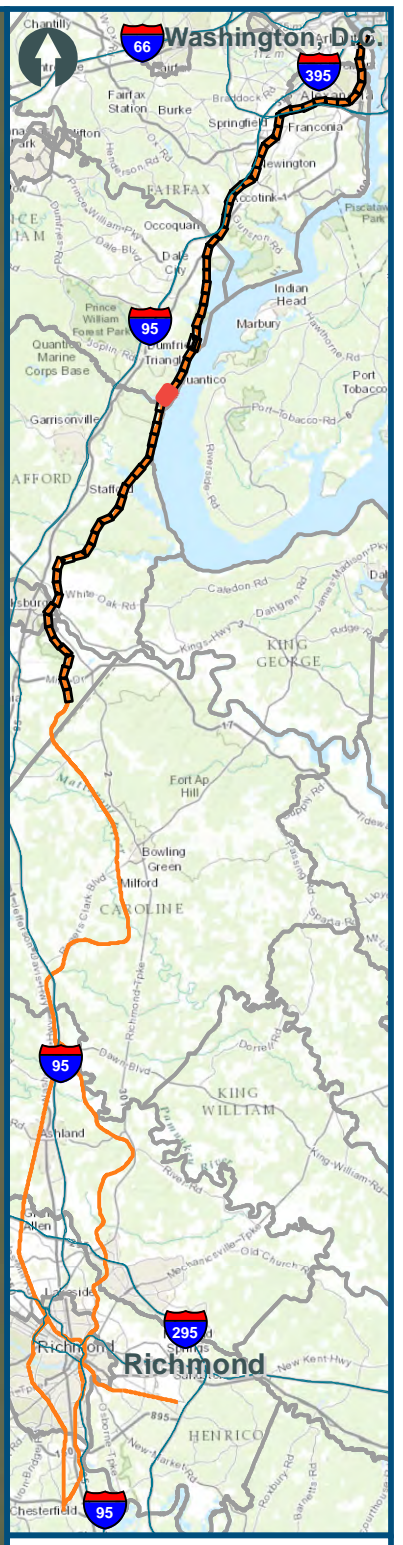
- Legend**
-  Amtrak/VRE Station
 -  CSXT Mileposts
 -  Third Track Under Construction by CSXT
 -  New Track
 -  Shifted Track
 -  Existing Track
 -  CSXT Right-of-Way
 -  Streams

Figure G-38
Northern Virginia
Constrained
Alignment Option

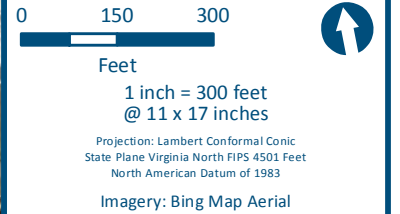
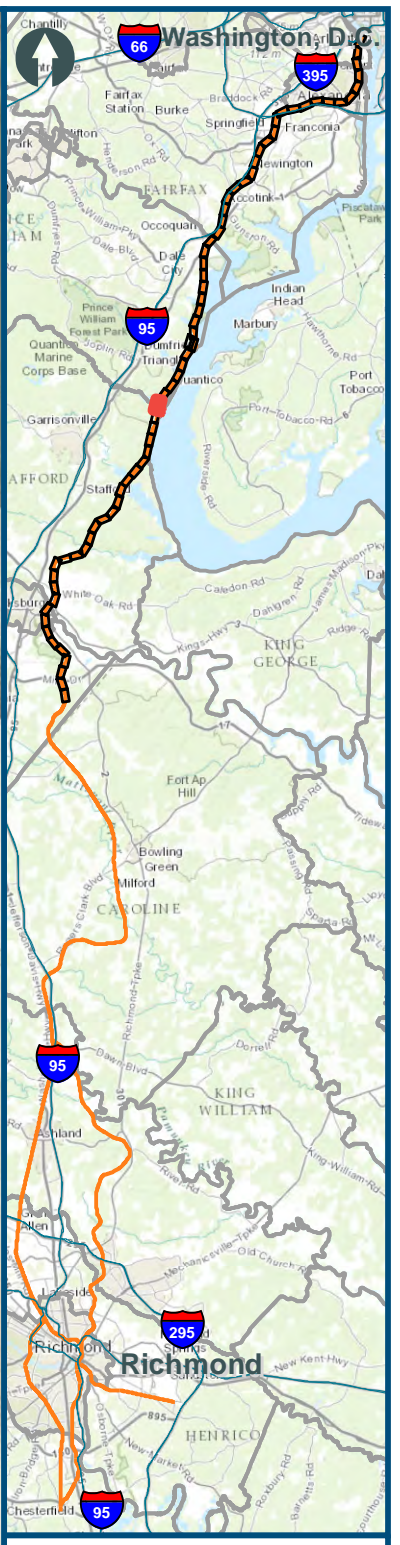
\\dlmain\GIS_DATA\GIS\Projects\11545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIIDev-ConceptEnginemap_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.11.2015



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
 - Third Track Under Construction by CSXT
 - New Track
 - Shifted Track
 - Existing Track
 - CSXT Right-of-Way
 - Streams

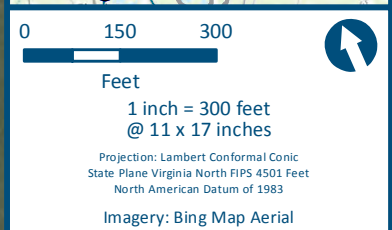
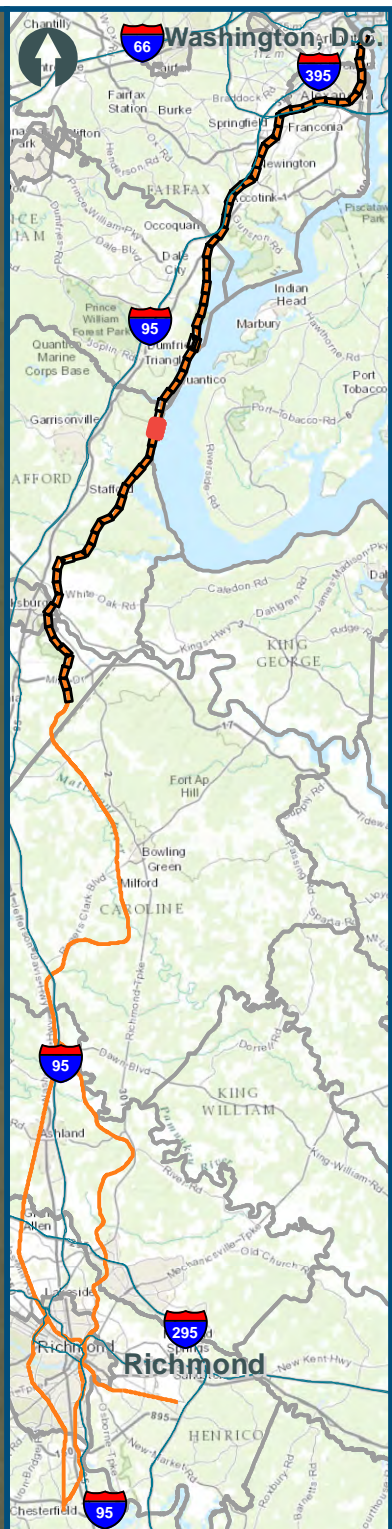
Figure G-39
Northern Virginia
Constrained
Alignment Option



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

Figure G-40
Northern Virginia
Constrained
Alignment Option

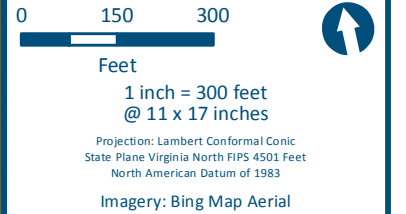
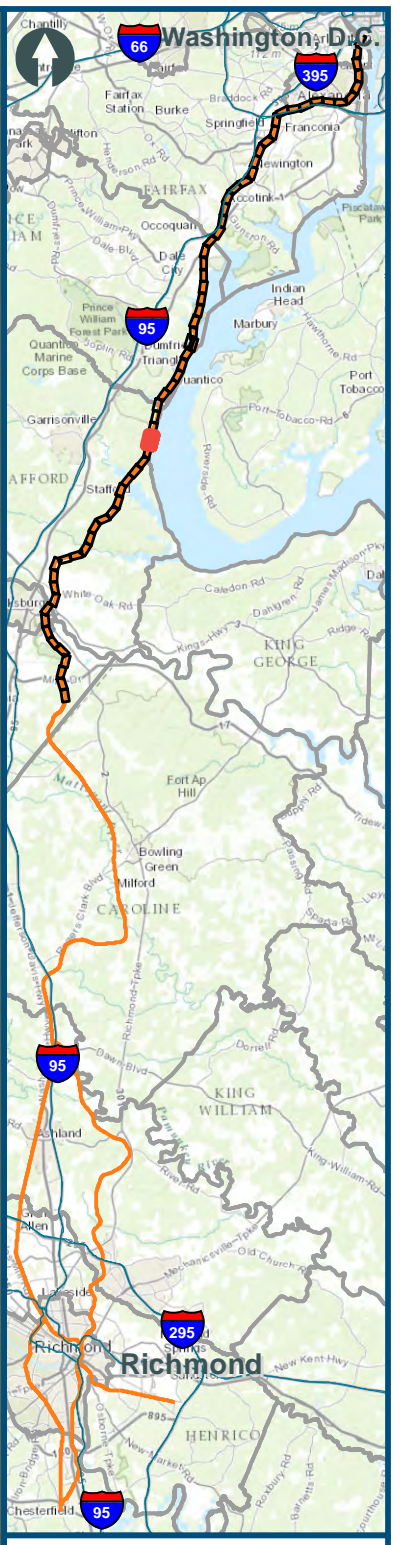
\\dlismain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AllDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.11.2015



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

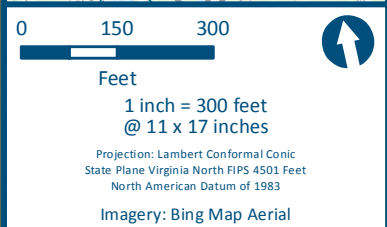
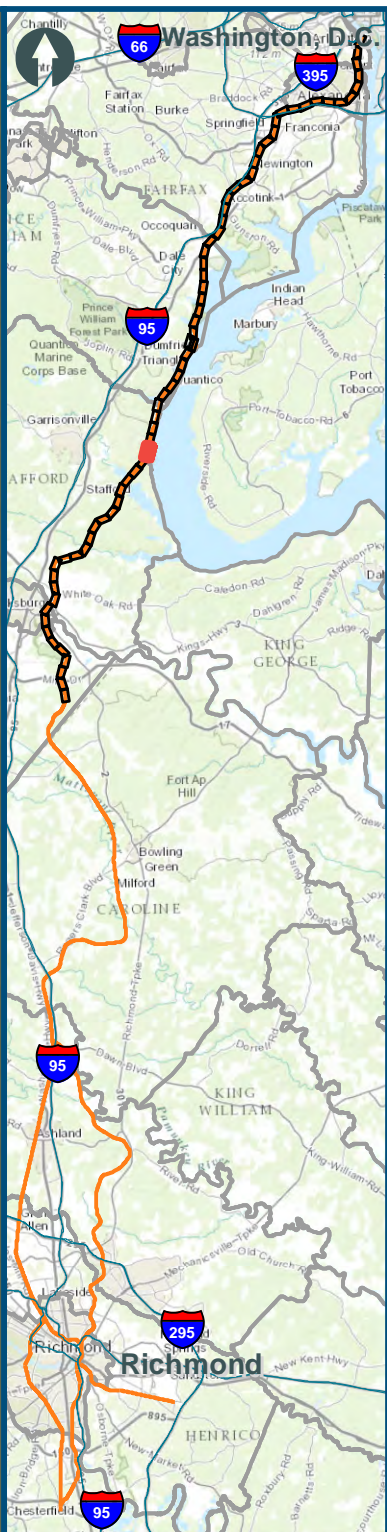
Figure G-42
Northern Virginia
Constrained
Alignment Option

\\dlismain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Cht6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.11.2015



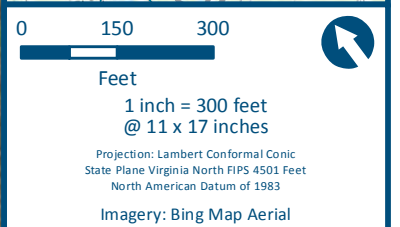
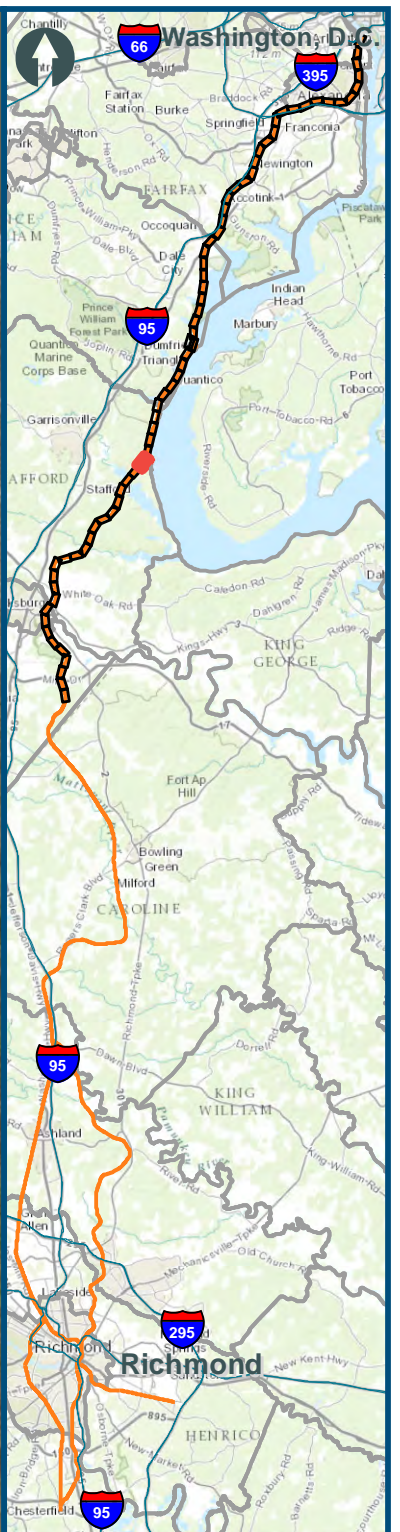
- Legend**
- CSXT Mileposts
 - Third Track Under Construction by CSXT
 - New Track
 - Shifted Track
 - Existing Track
 - CSXT Right-of-Way
 - Streams

Figure G-43
Northern Virginia
Constrained
Alignment Option



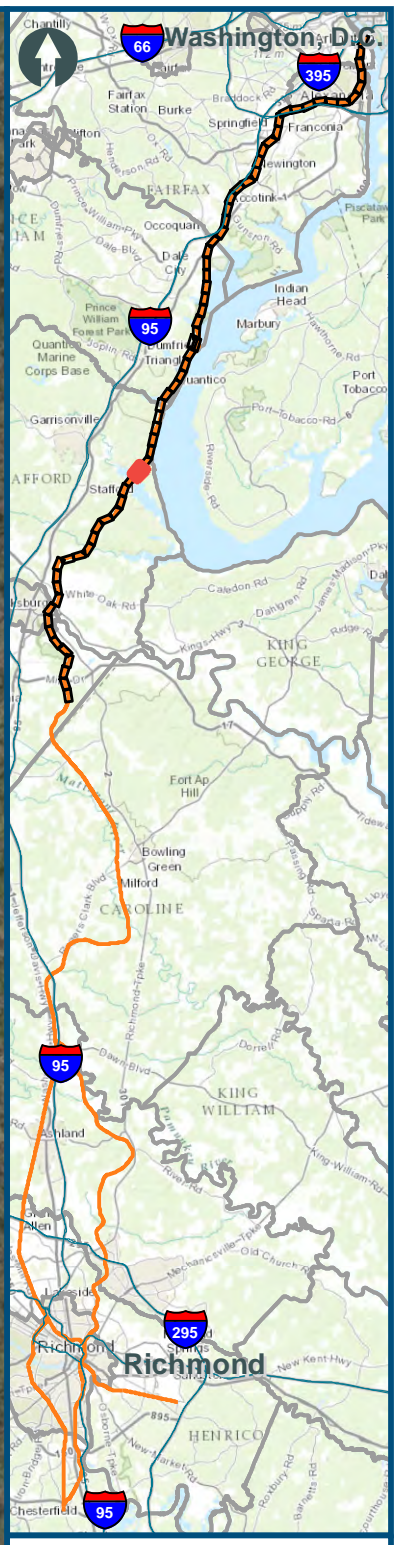
- Legend**
- CSXT Mileposts
 - Third Track Under Construction by CSXT
 - New Track
 - Shifted Track
 - Existing Track
 - CSXT Right-of-Way
 - Streams

Figure G-44
Northern Virginia
Constrained
Alignment Option



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

**Figure G-45
Northern 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
 - Third Track Under Construction by CSXT
 - New Track
 - Shifted Track
 - Existing Track
 - CSXT Right-of-Way
 - Streams

Figure G-46
Northern Virginia
Constrained
Alignment Option

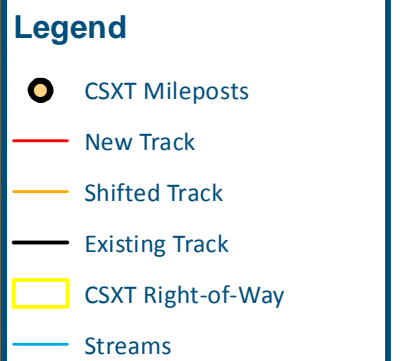
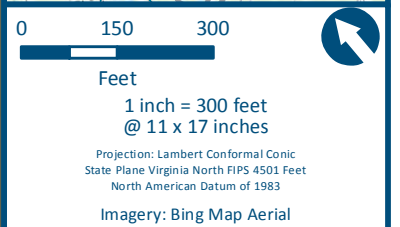
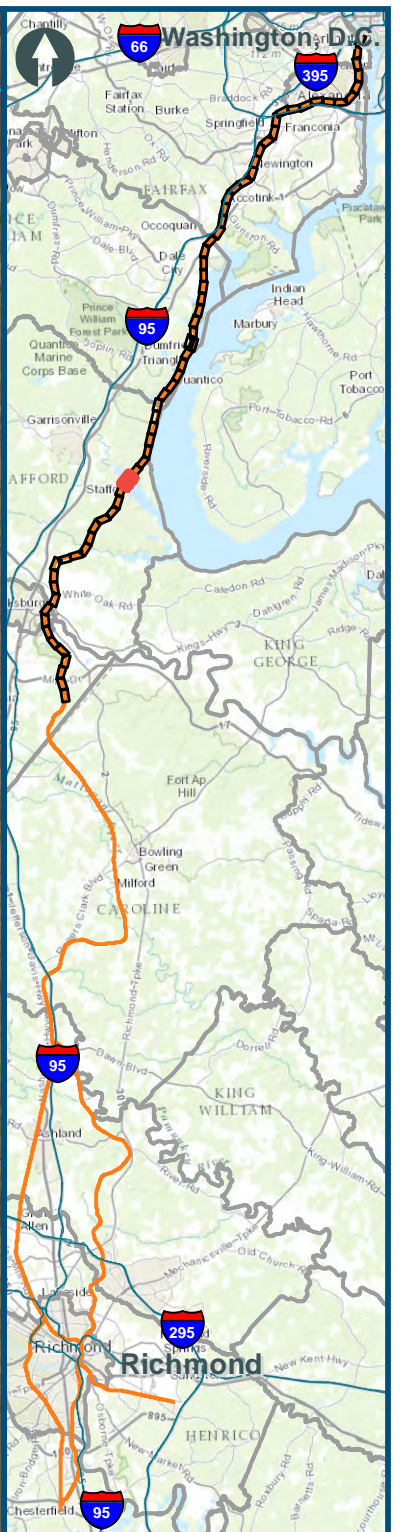
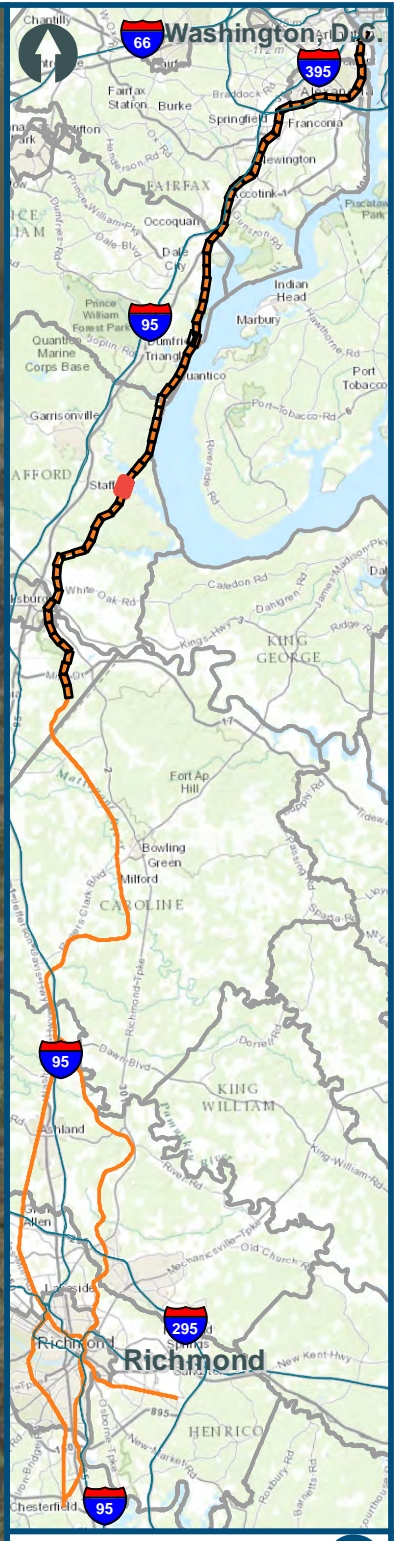
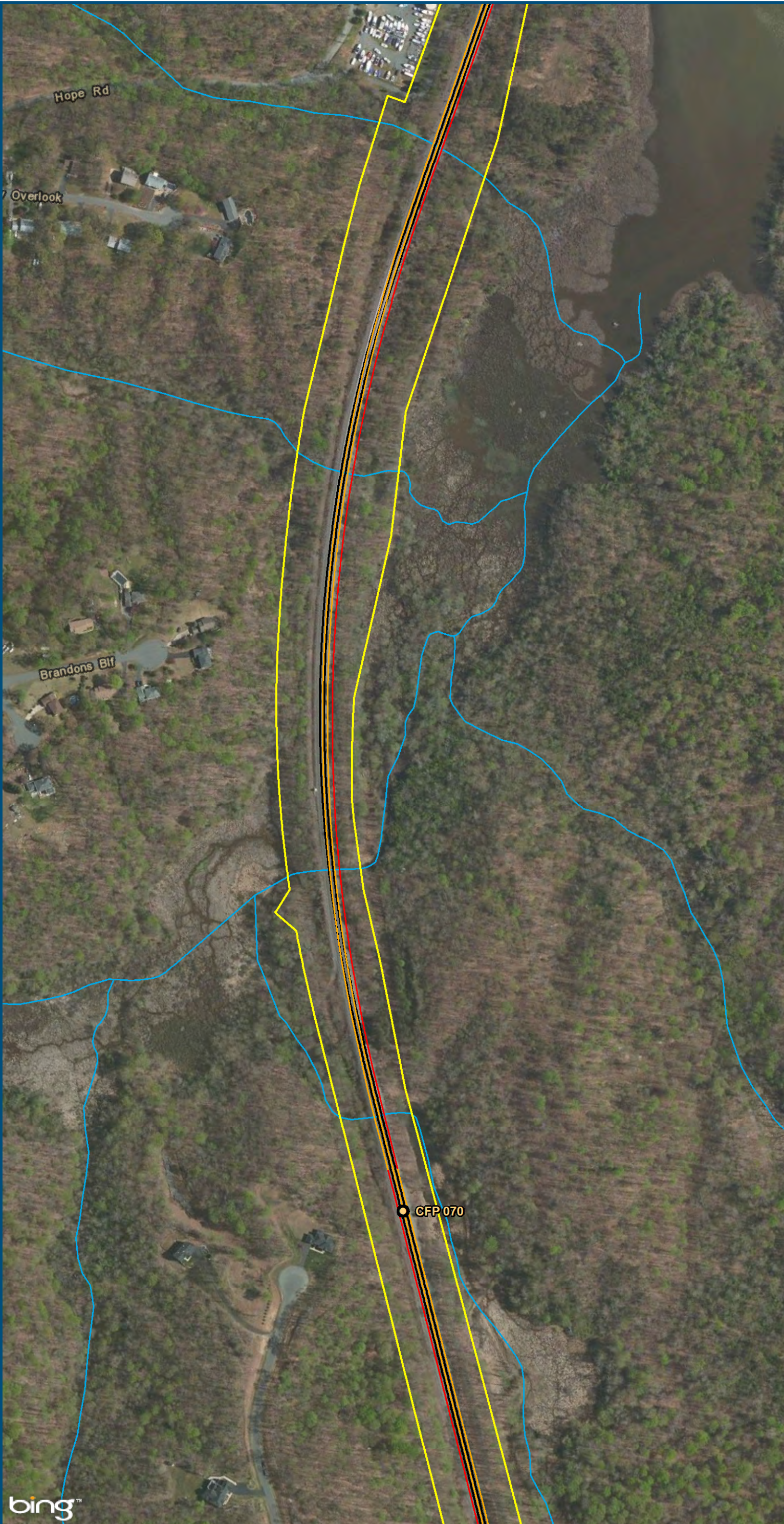


Figure G-47
Northern Virginia
Constrained
Alignment Option

\\slsmain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AllDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.04.2015

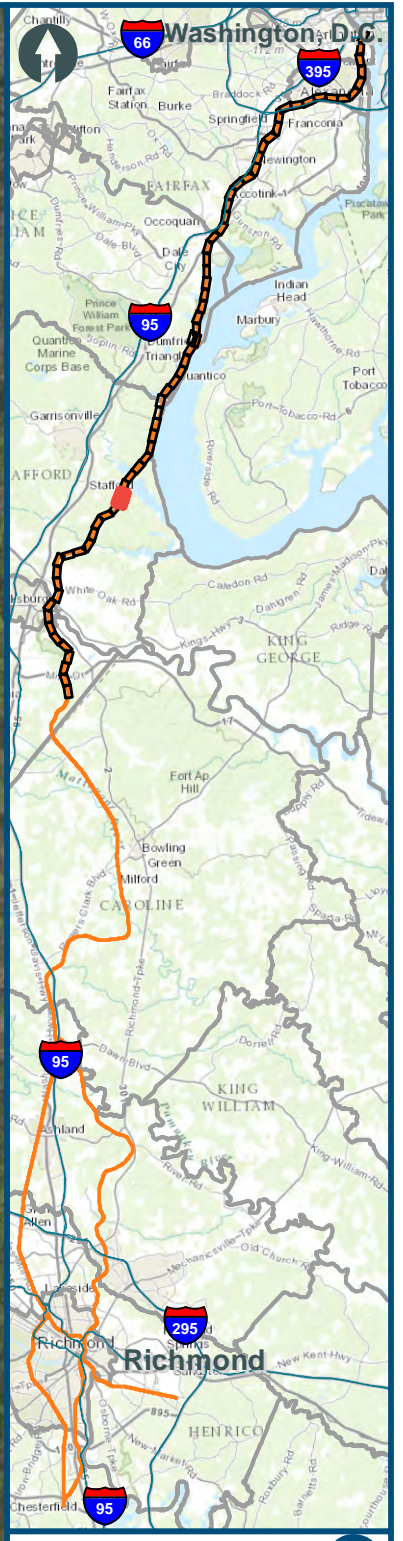
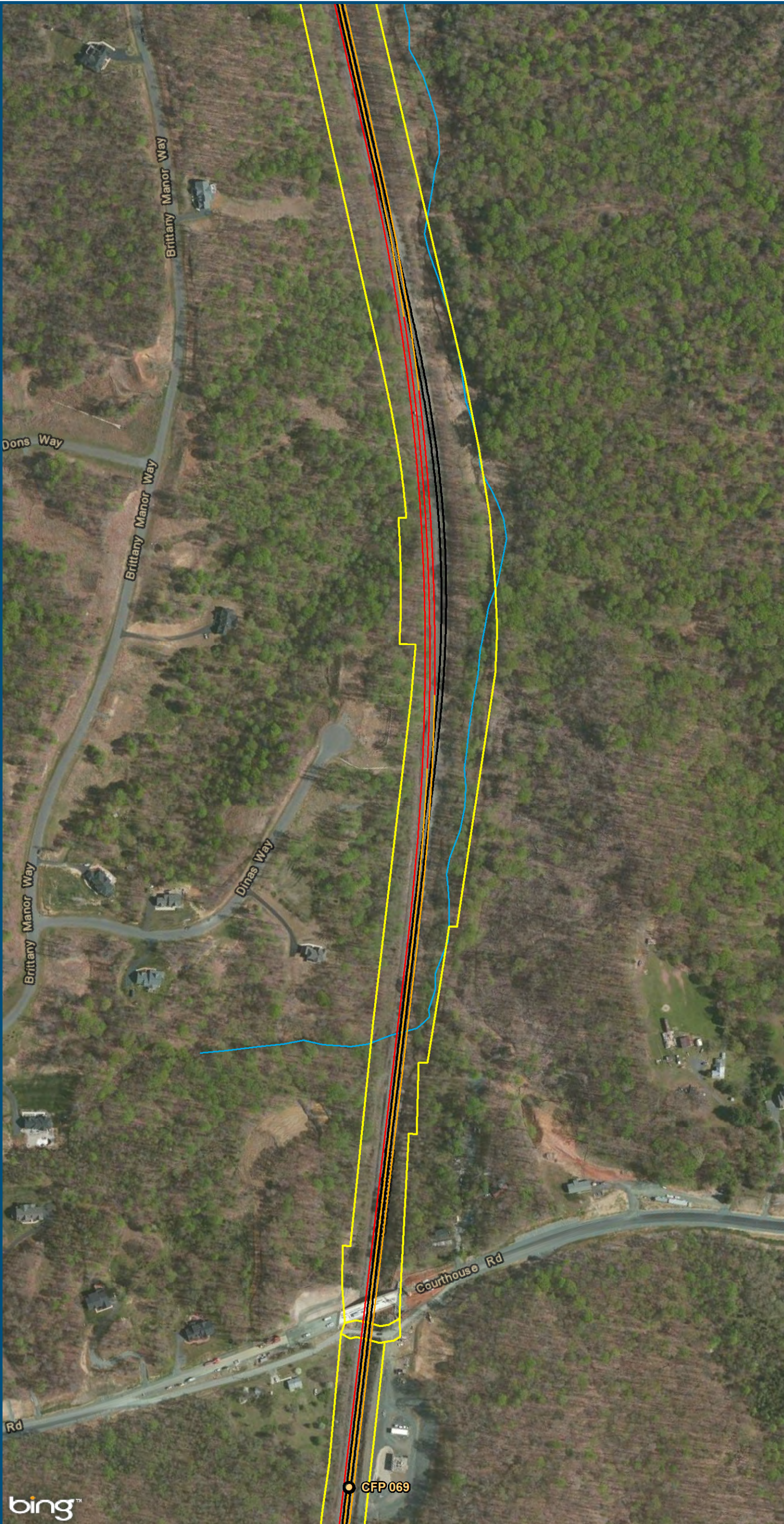


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure G-48
Northern 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_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.04.2015

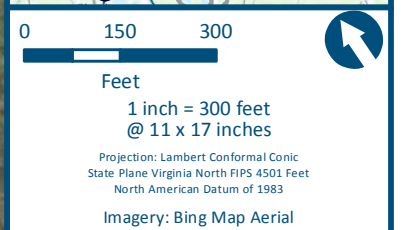
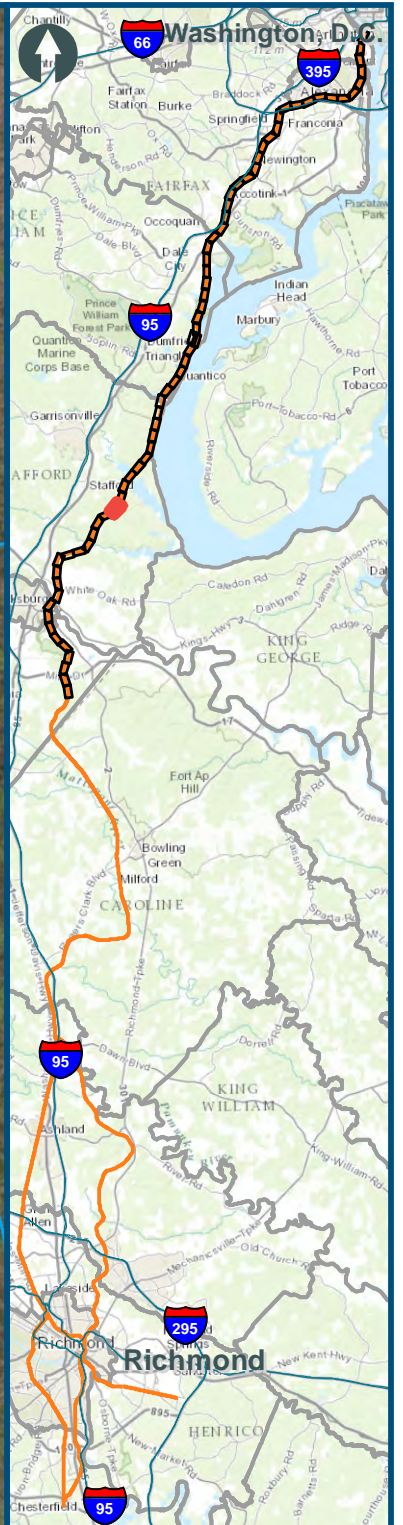
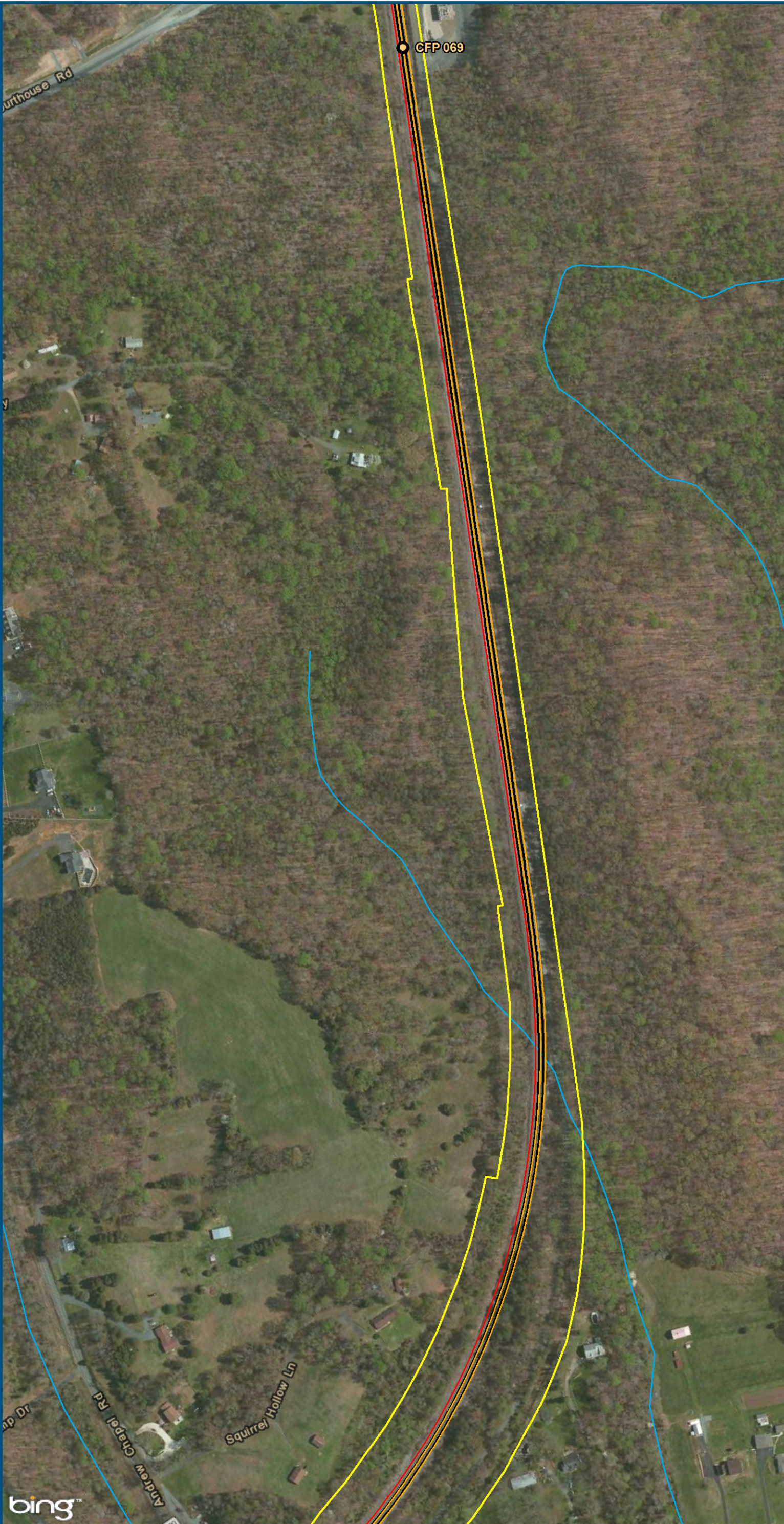


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure G-49
Northern 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_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.04.2015








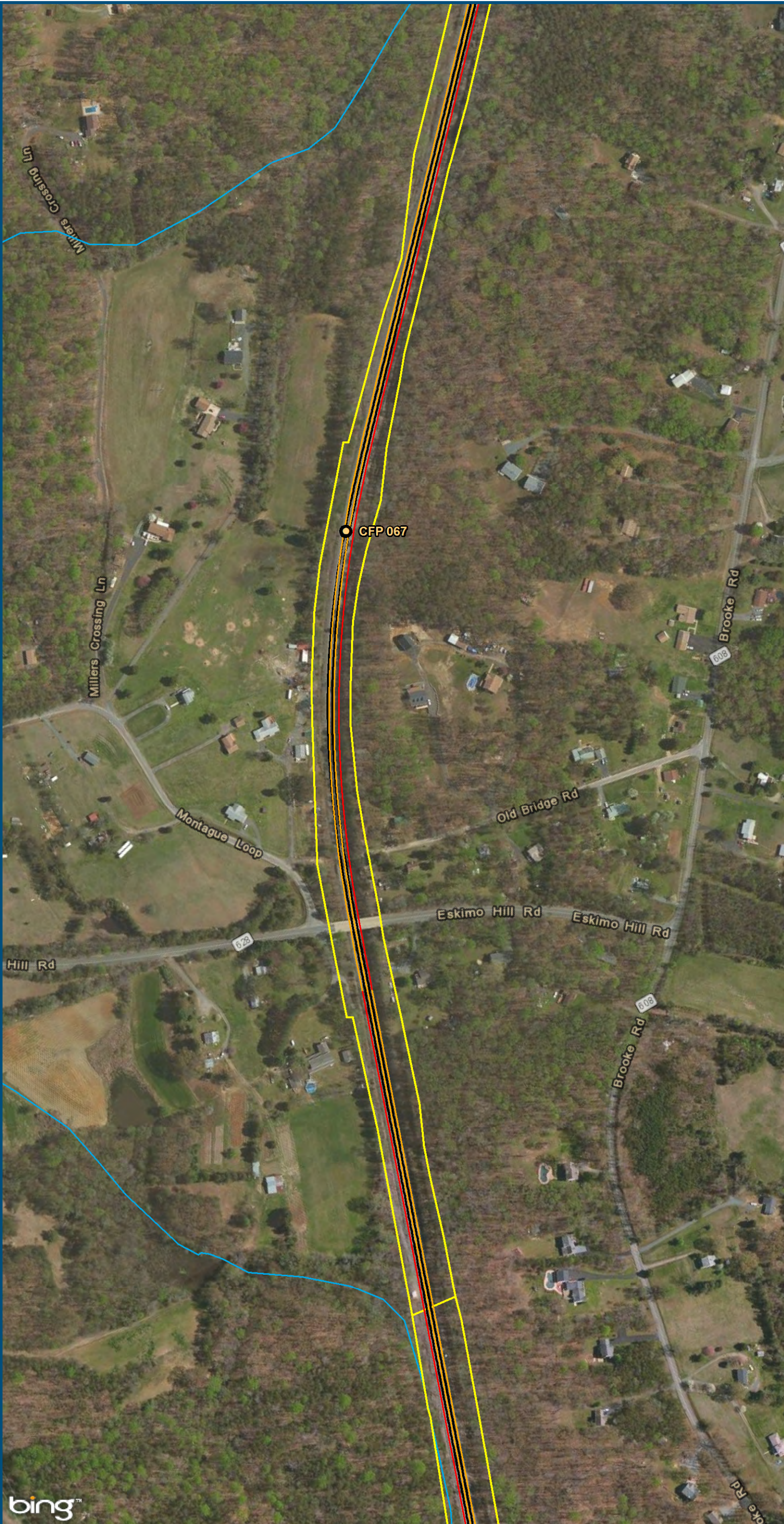
- Legend**
-  CSXT Mileposts
 -  New Track
 -  Shifted Track
 -  Existing Track
 -  CSXT Right-of-Way
 -  Streams

Figure G-50
Northern 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_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.04.2015

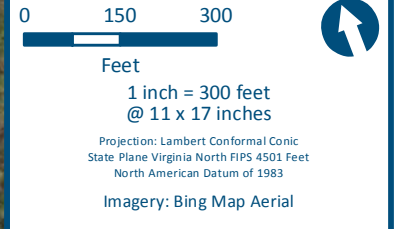
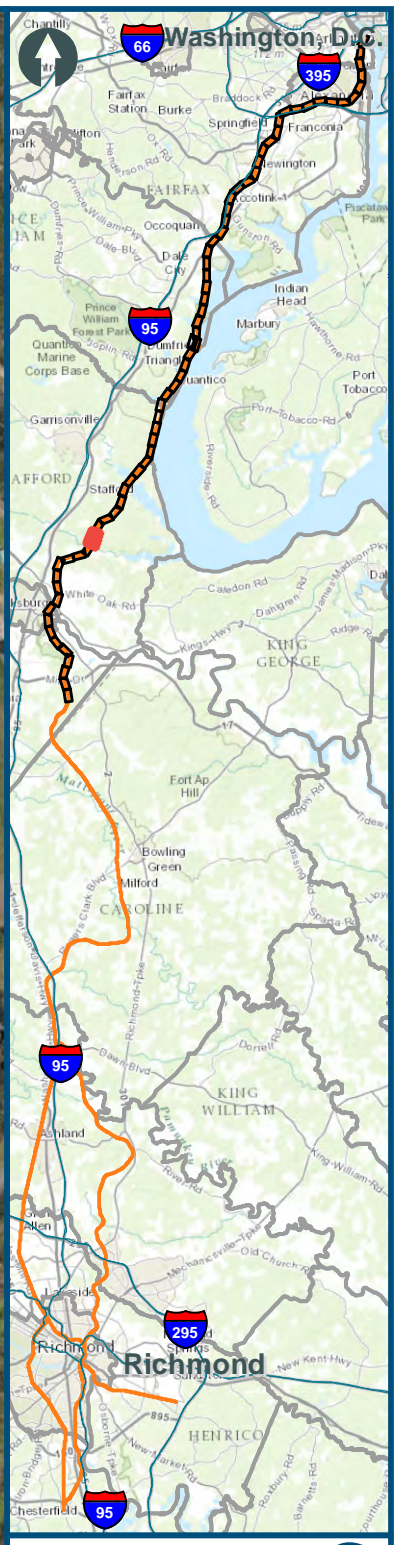
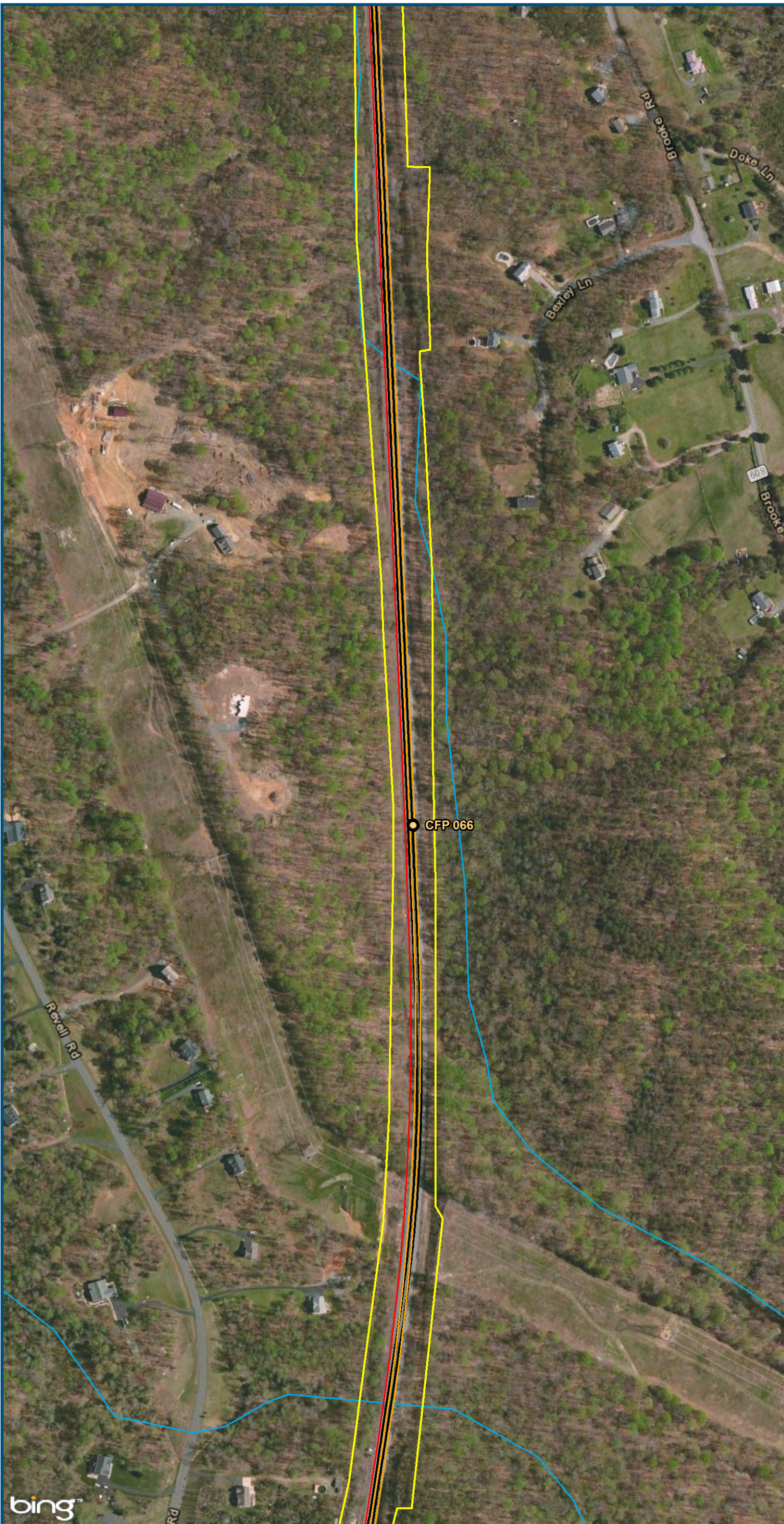


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure G-52
Northern Virginia
Constrained
Alignment Option

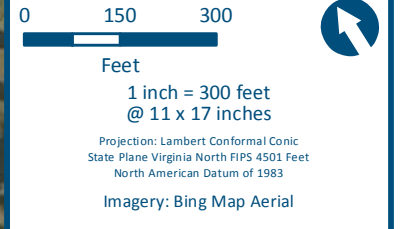
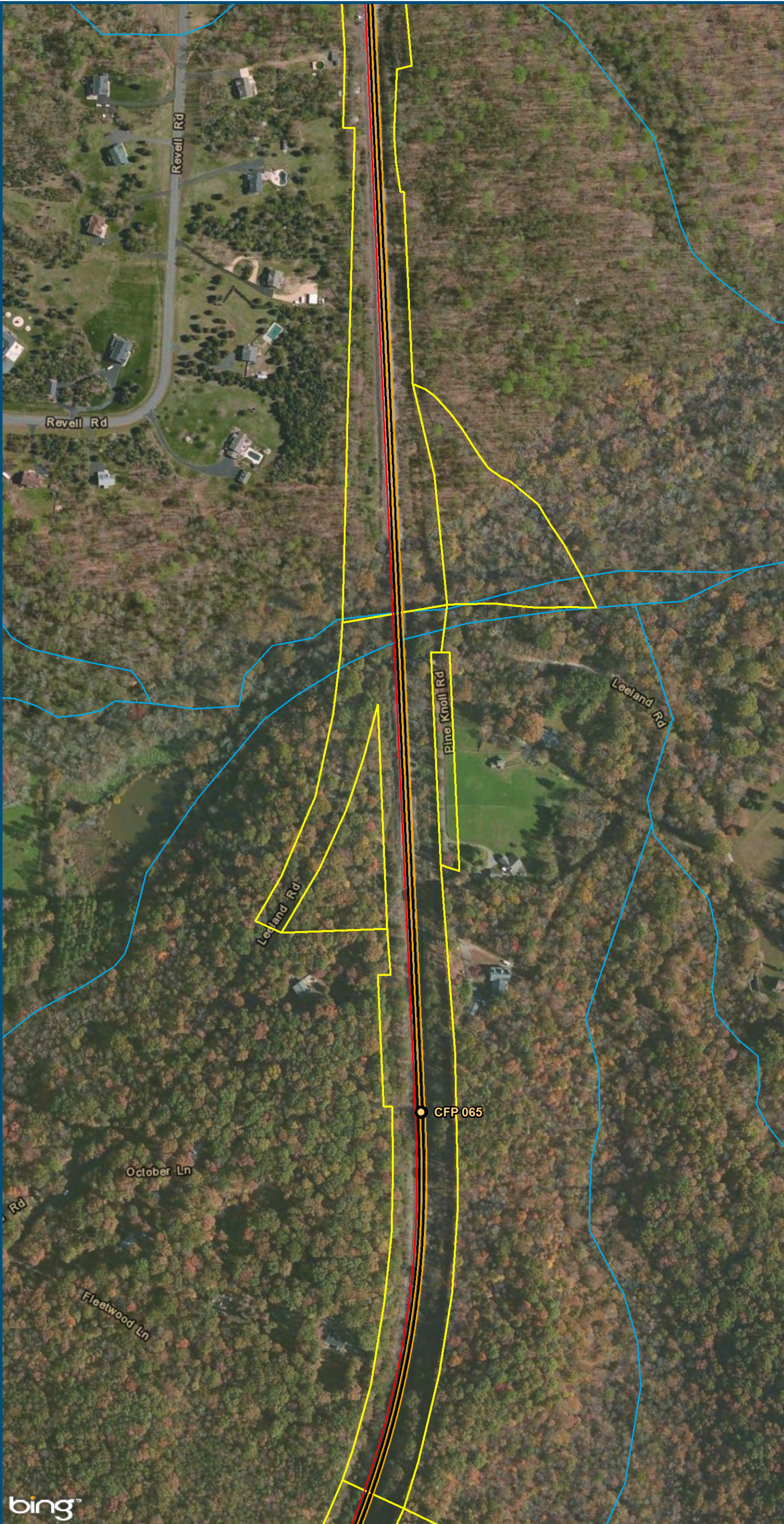
\\dlismain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-Public\Transportation\0239056_RAPS-4\AIDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Cht6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.04.2015



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

Figure G-53
Northern Virginia
Constrained
Alignment Option

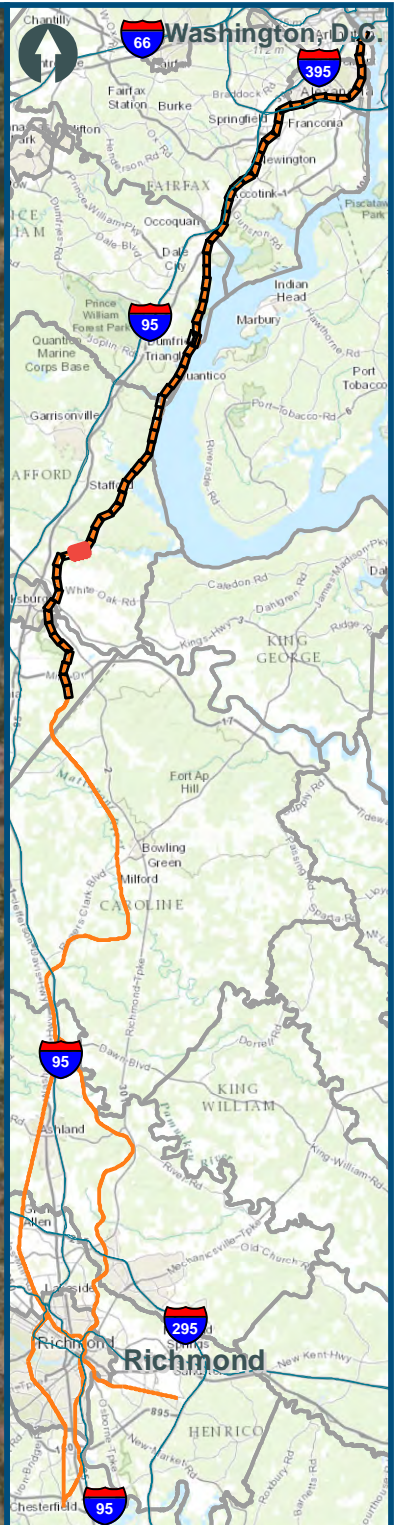
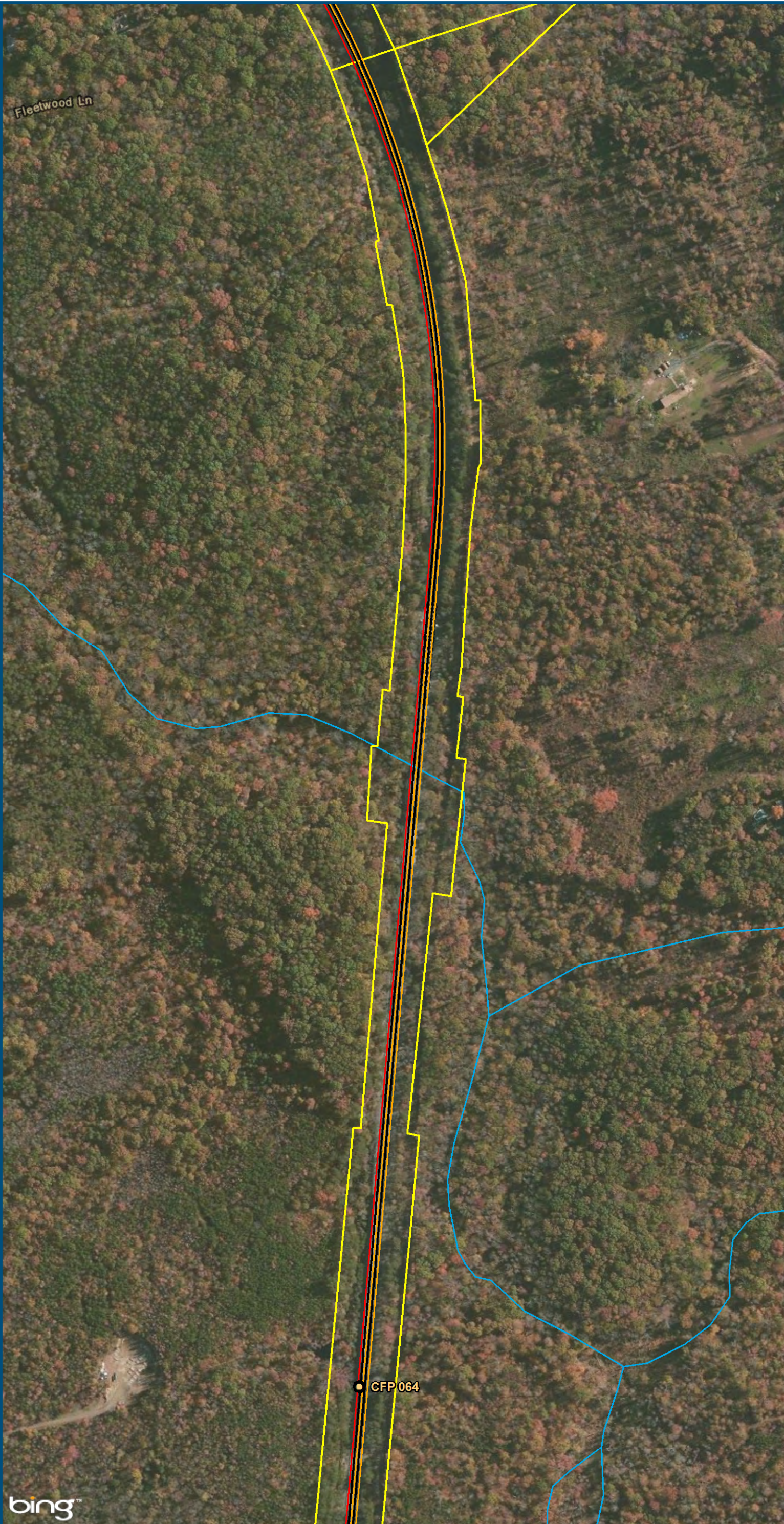
\\dlismain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-Public\Transportation\0239056_RAPS-4\AllDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Cht6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.04.2015



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

Figure G-54
Northern 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_Cht6_Appendices_NOV_Constrained_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
 - New Track
 - Shifted Track
 - Existing Track
 - CSXT Right-of-Way
 - Streams

Figure G-55
Northern Virginia
Constrained
Alignment Option

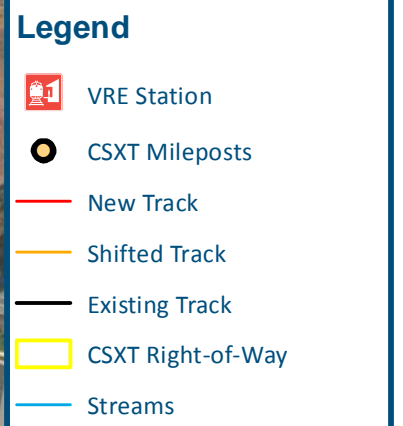
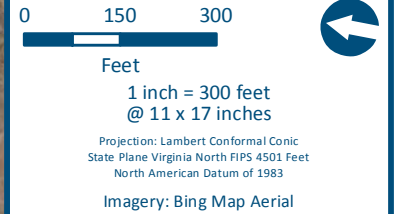
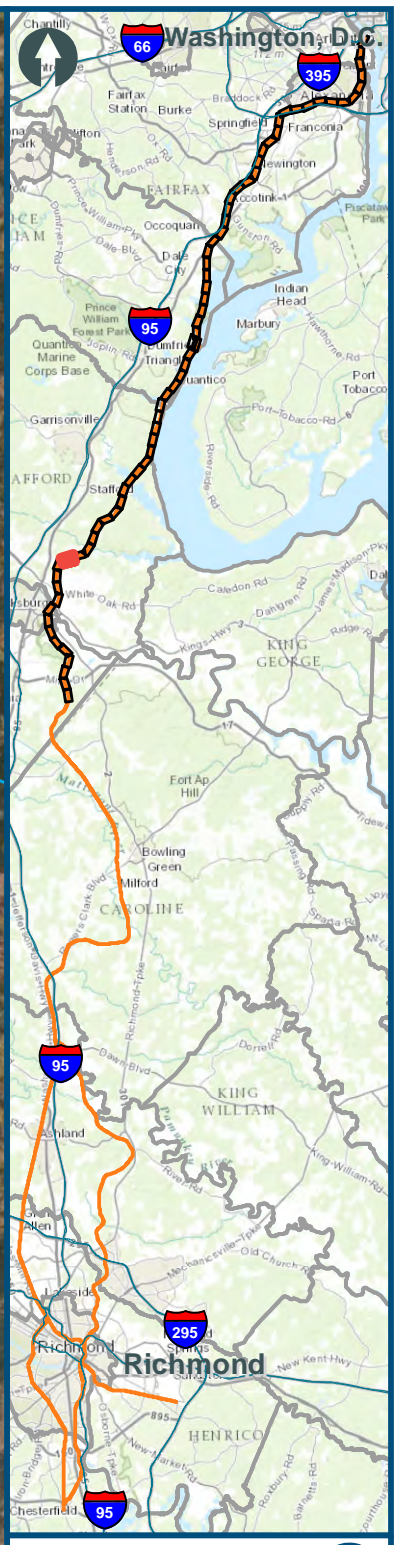
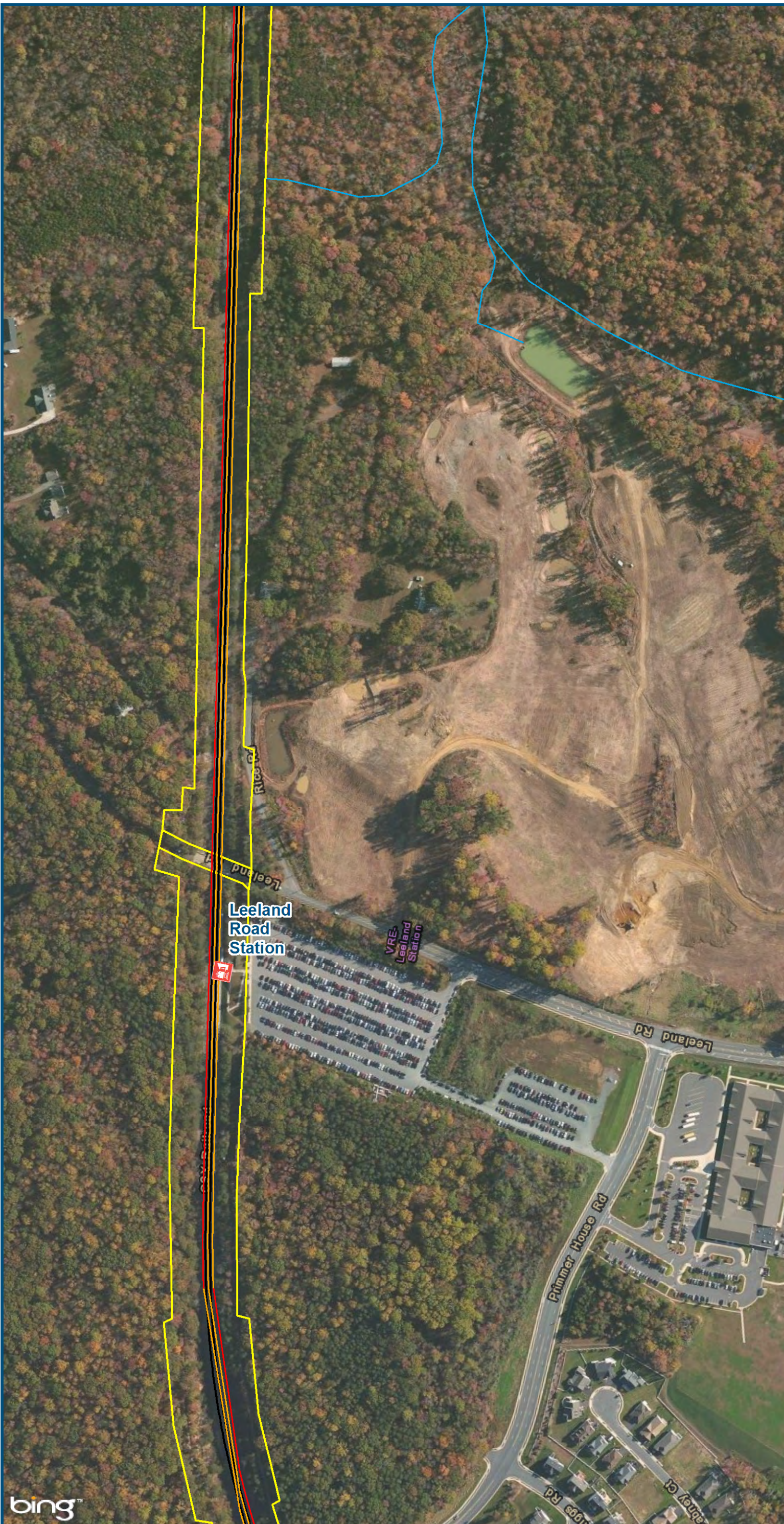
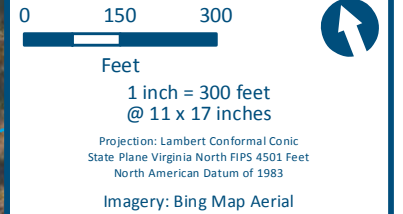
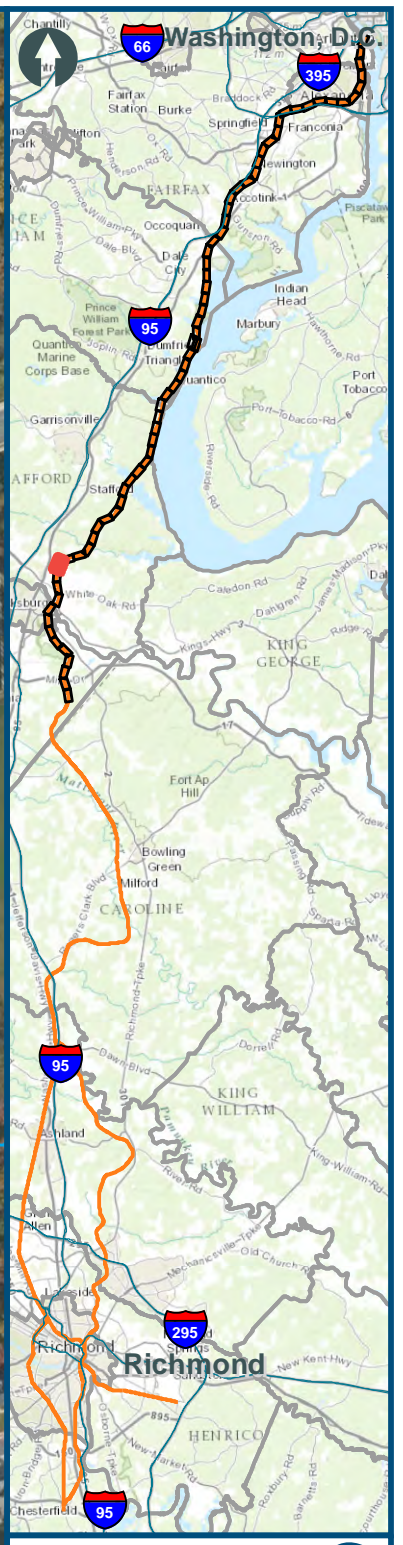


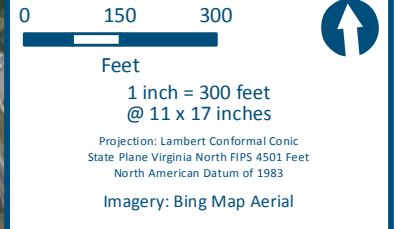
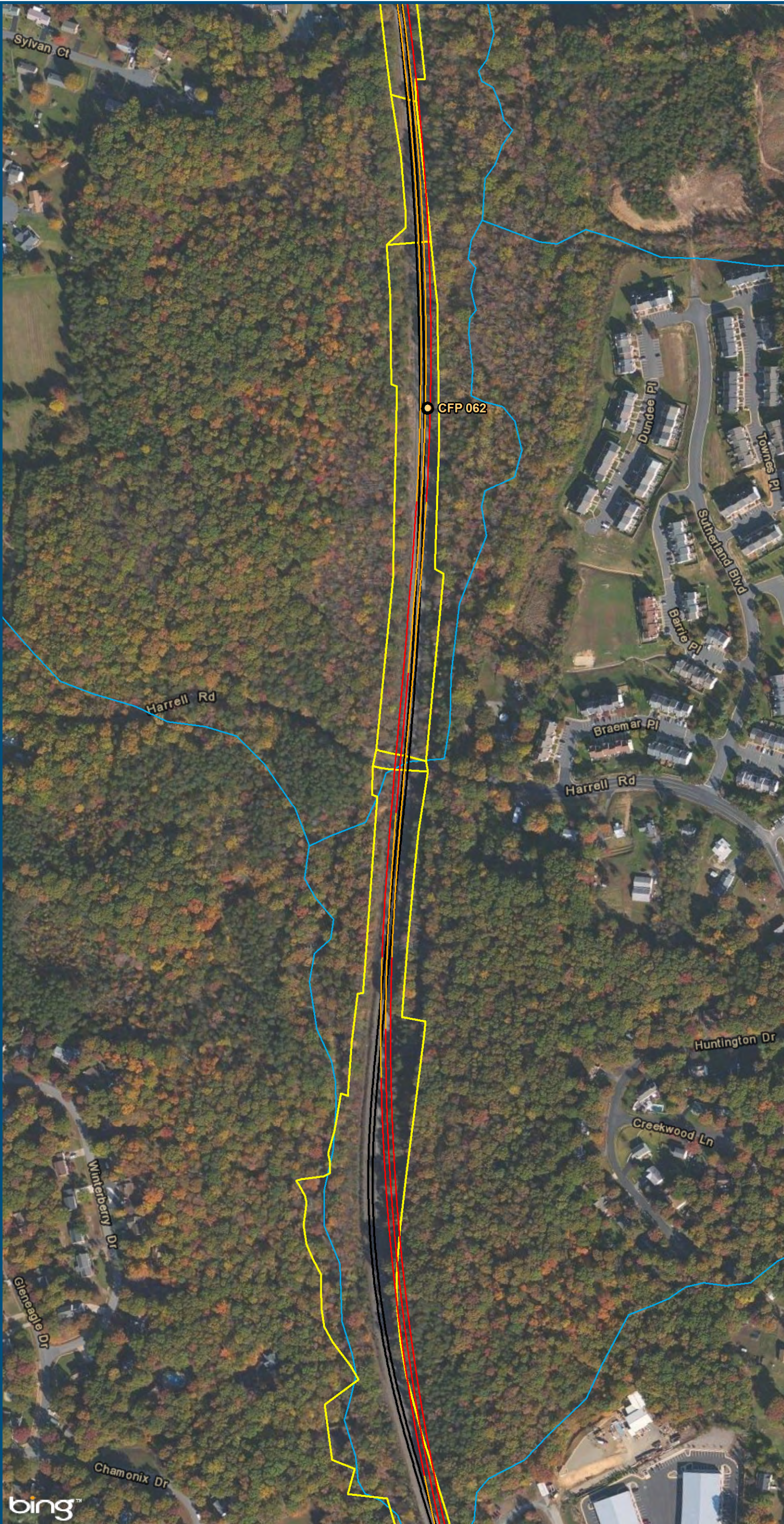
Figure G-56
Northern Virginia
Constrained
Alignment Option



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

Figure G-57
Northern Virginia
Constrained
Alignment Option

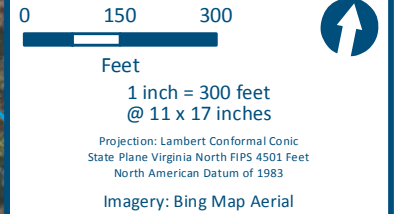
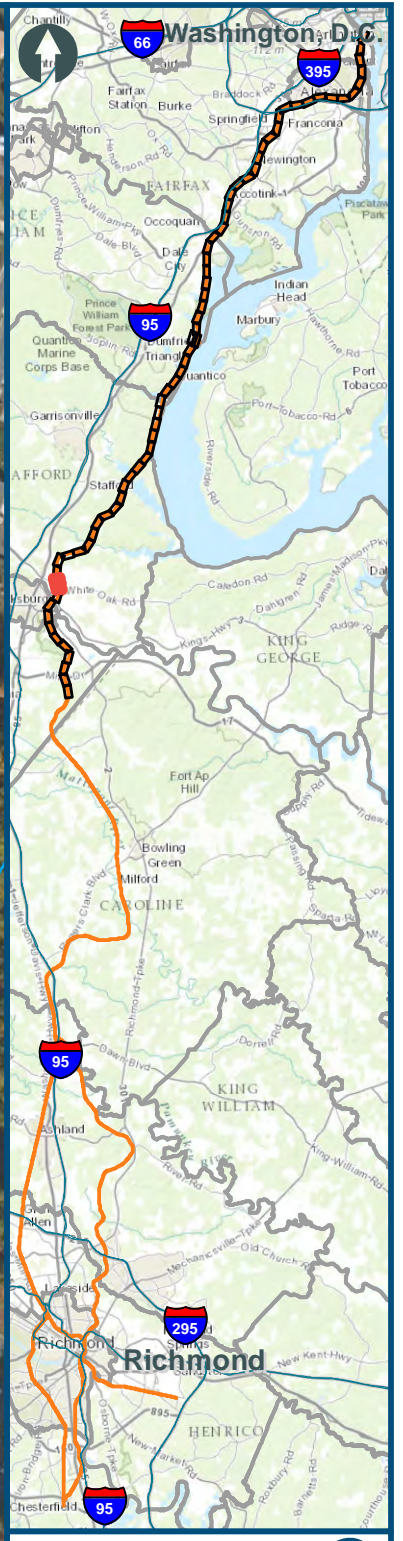
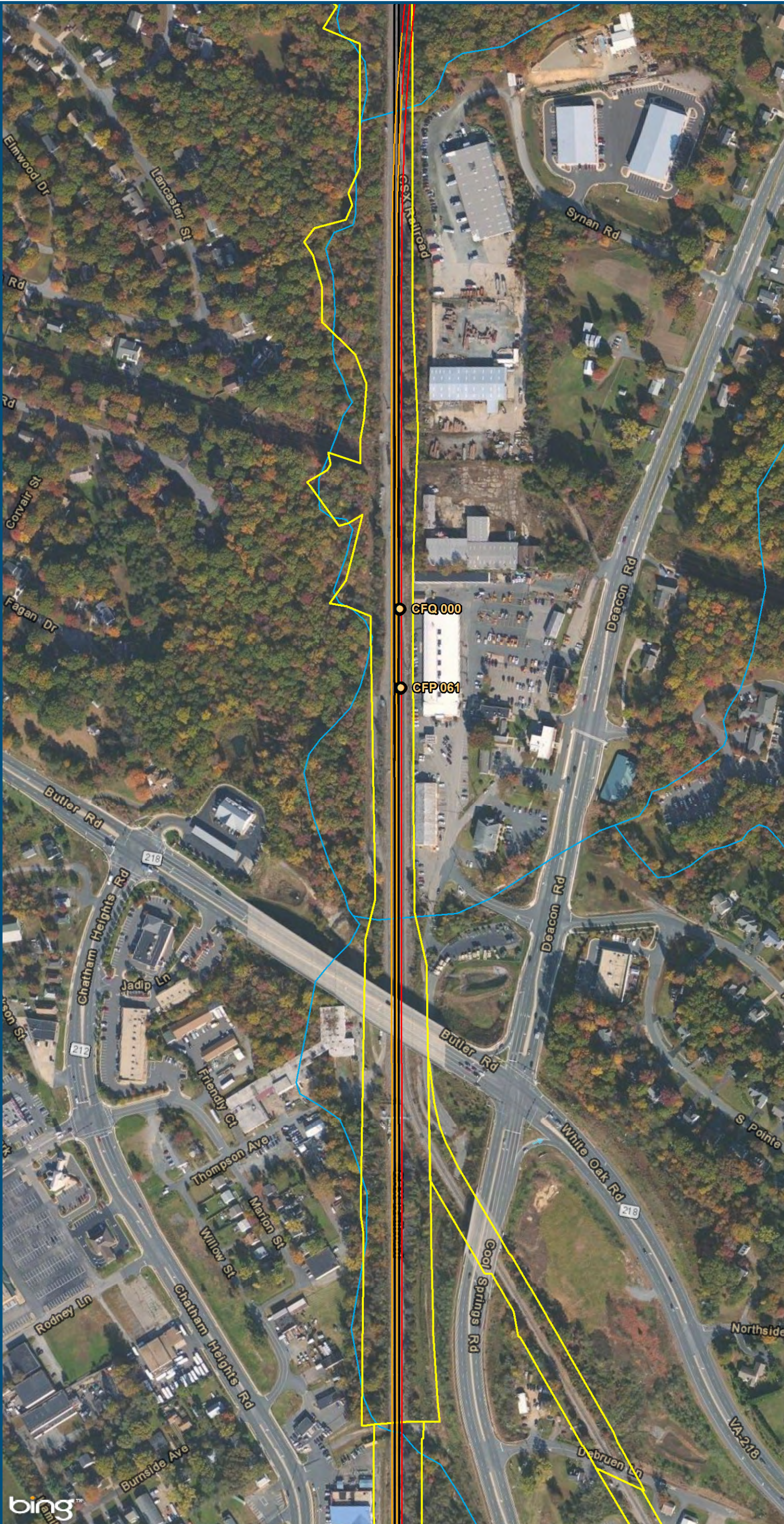
\\dlismain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AllDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Cht6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.04.2015



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

Figure G-58
Northern 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_Ch6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.04.2015



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

Figure G-59
Northern Virginia
Constrained
Alignment Option

\\dlismain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AllDev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Cht6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.04.2015

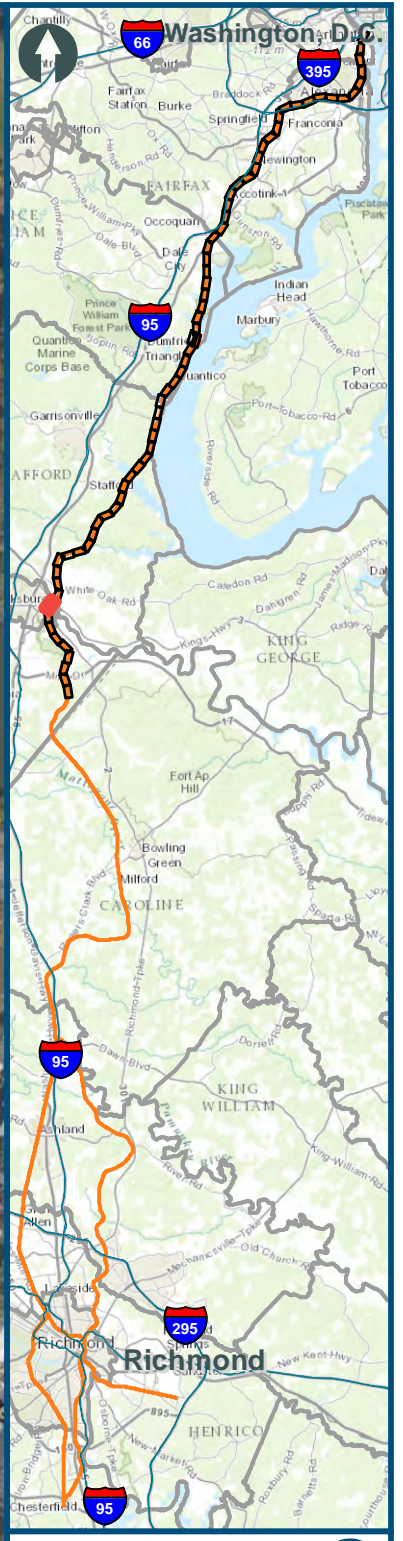
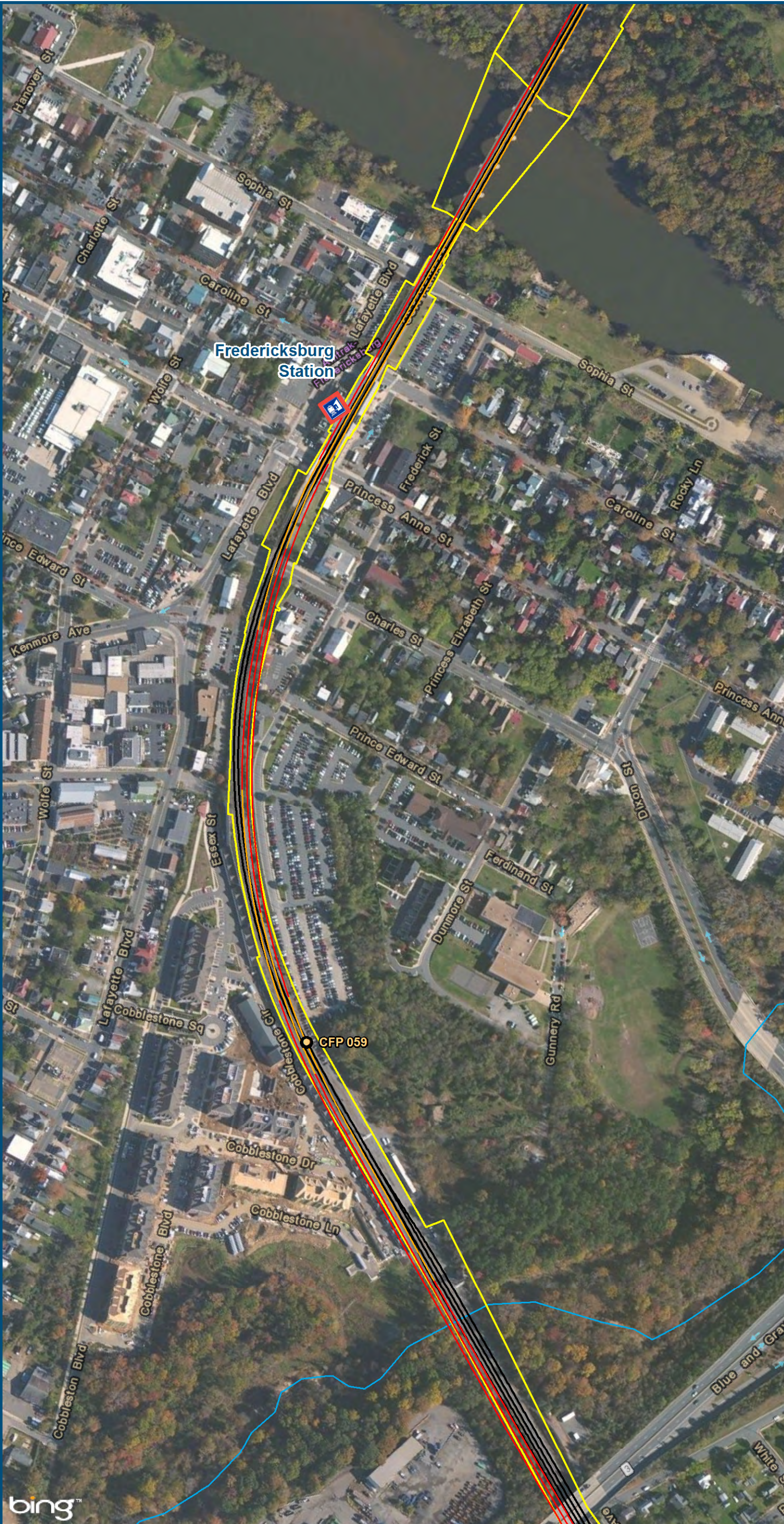


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure G-60
Northern Virginia
Constrained
Alignment Option

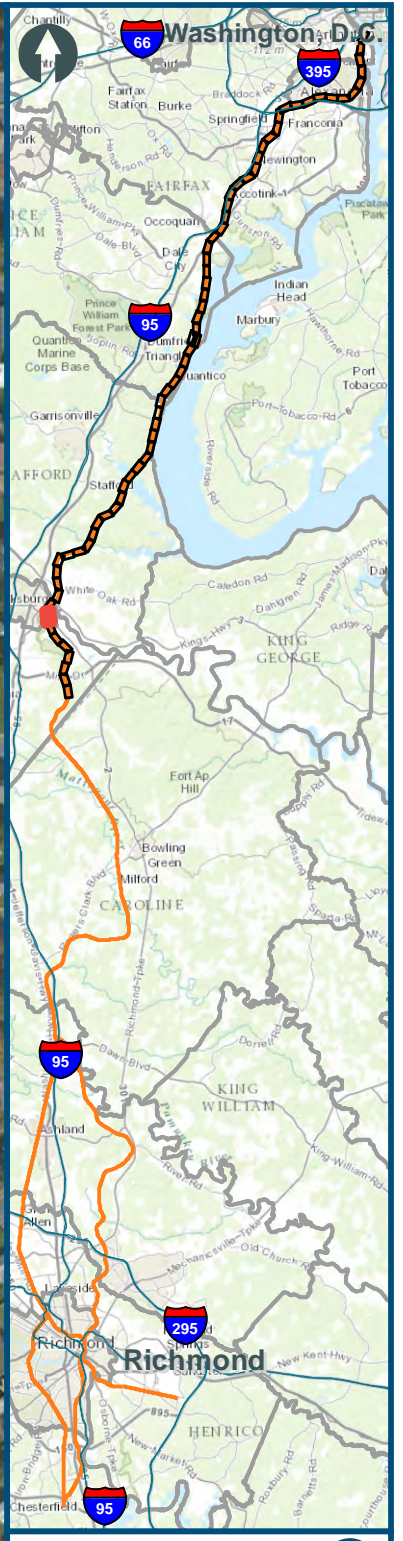
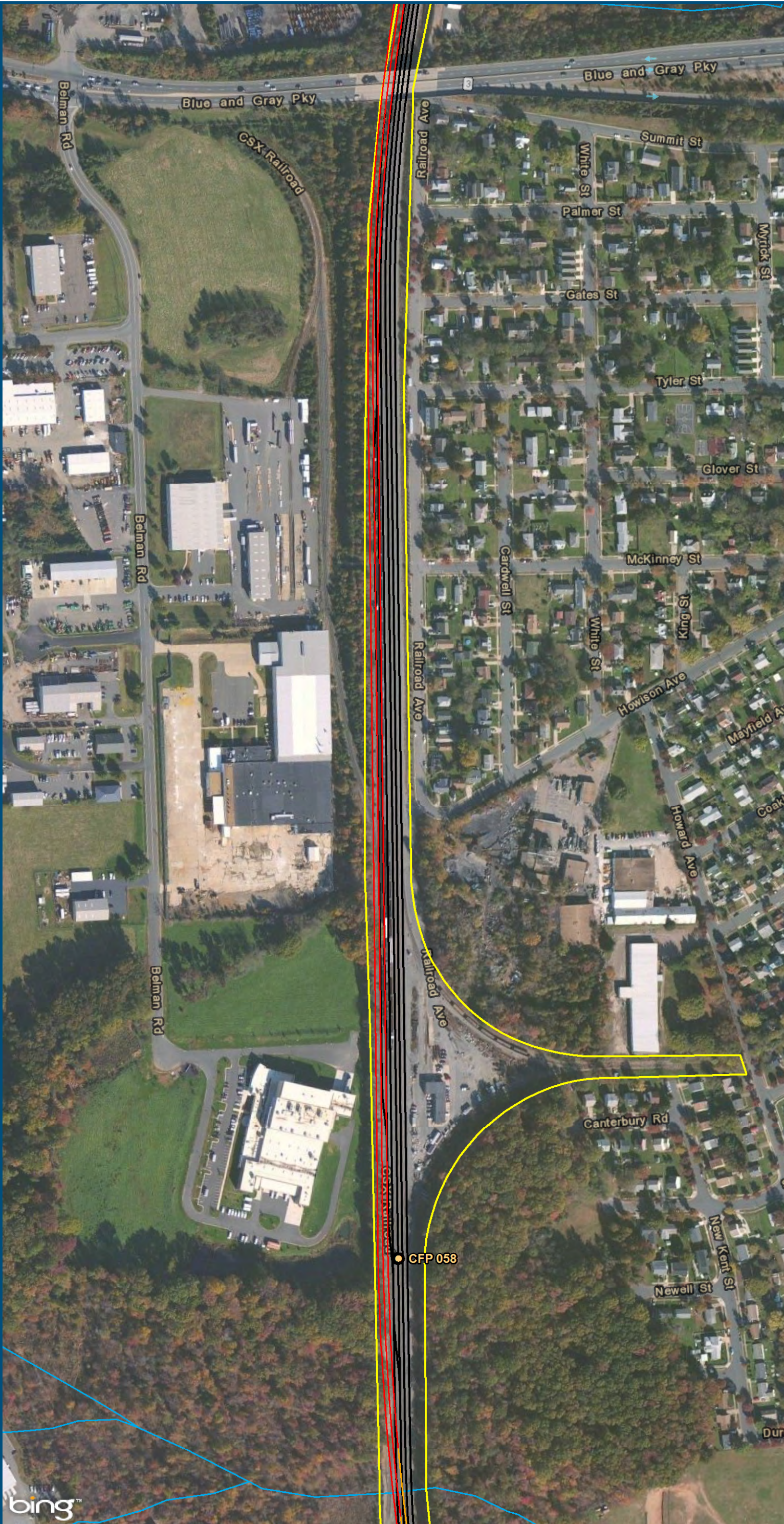
\\dlismain\GIS_DATA\GIS\Projects\11545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4A\Dev-Concept\Eng\map_docs\mxd\Alt_Tech_Report\DC2RVA_Ch6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.04.2015



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

Figure G-61
Northern Virginia
Constrained
Alignment Option

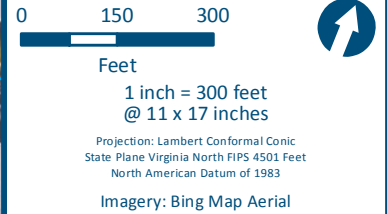
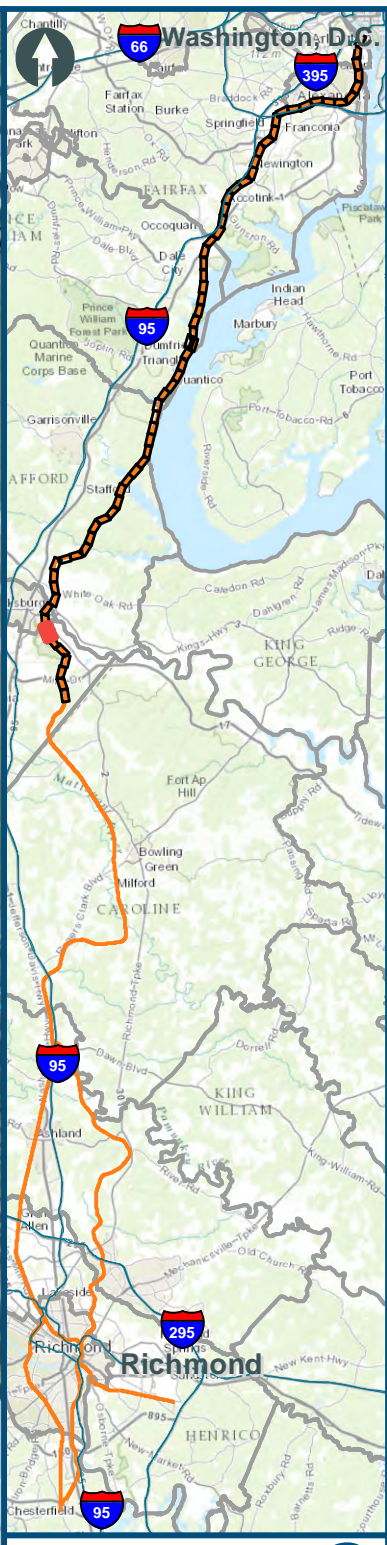
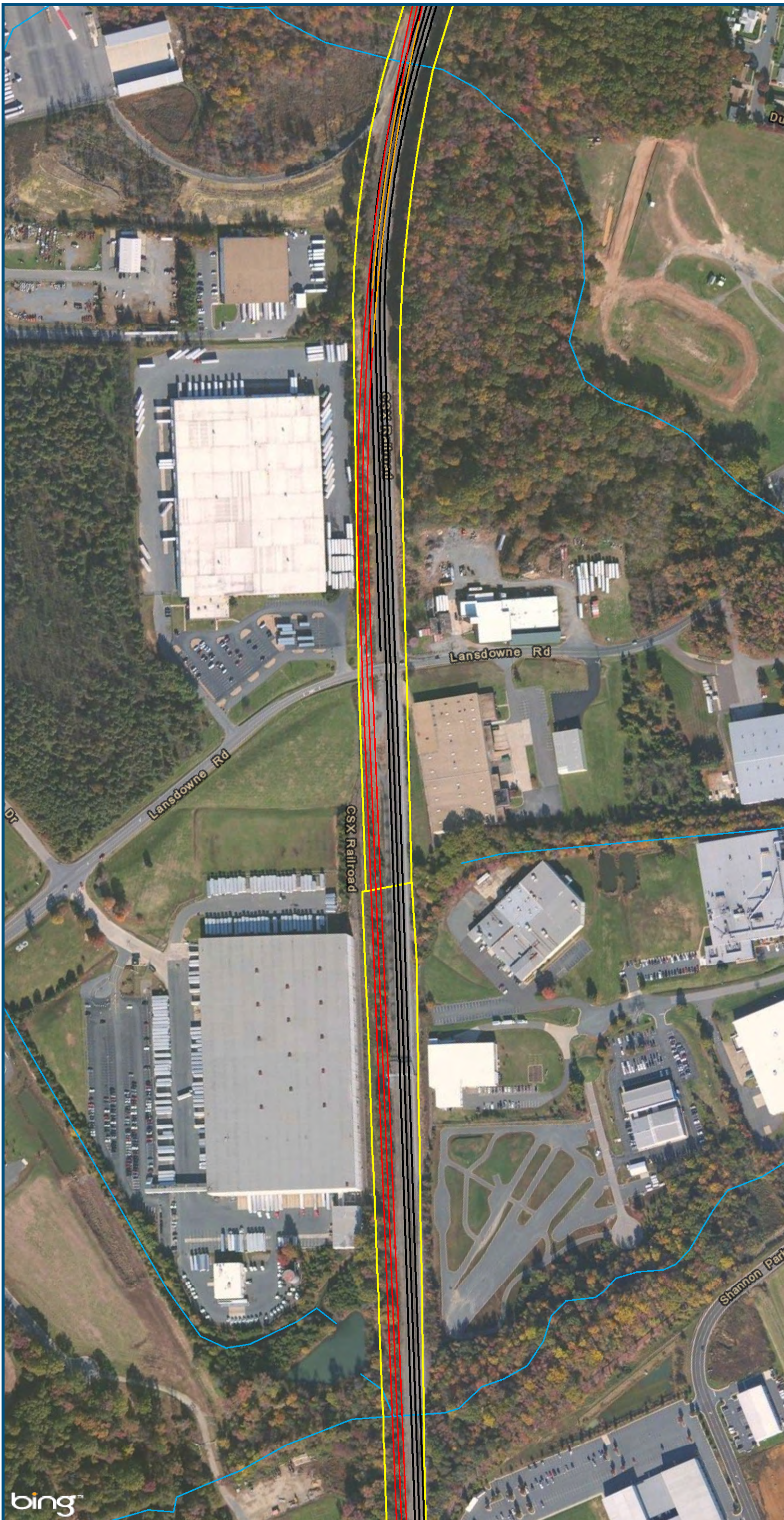


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

Legend

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

Figure G-62
Northern Virginia
Constrained
Alignment Option



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

Figure G-63
Northern 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_NOV_Constrained_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
 - New Track
 - Shifted Track
 - Existing Track
 - CSXT Right-of-Way
 - Streams

Figure G-64
Northern Virginia
Constrained
Alignment Option

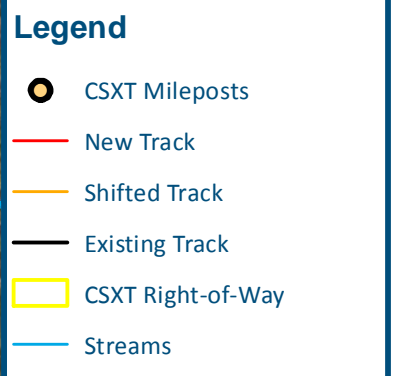
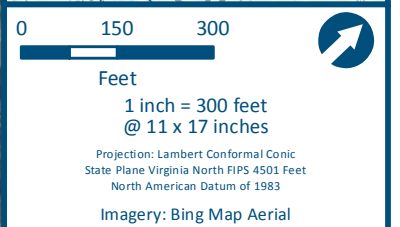
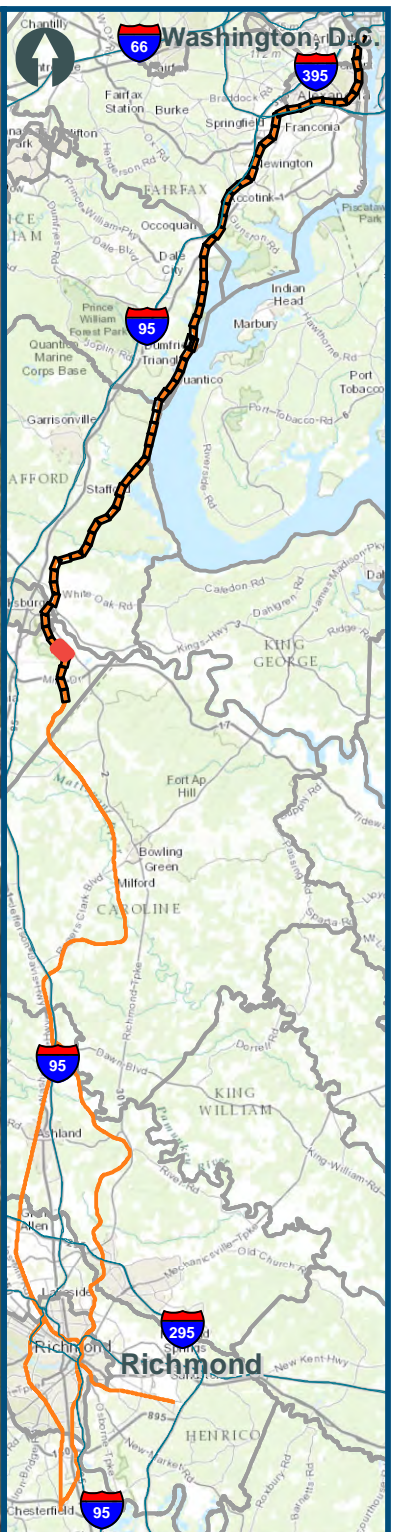
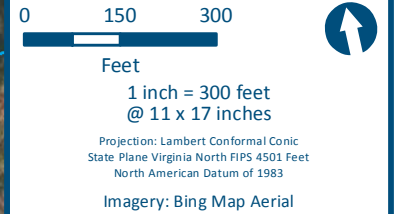
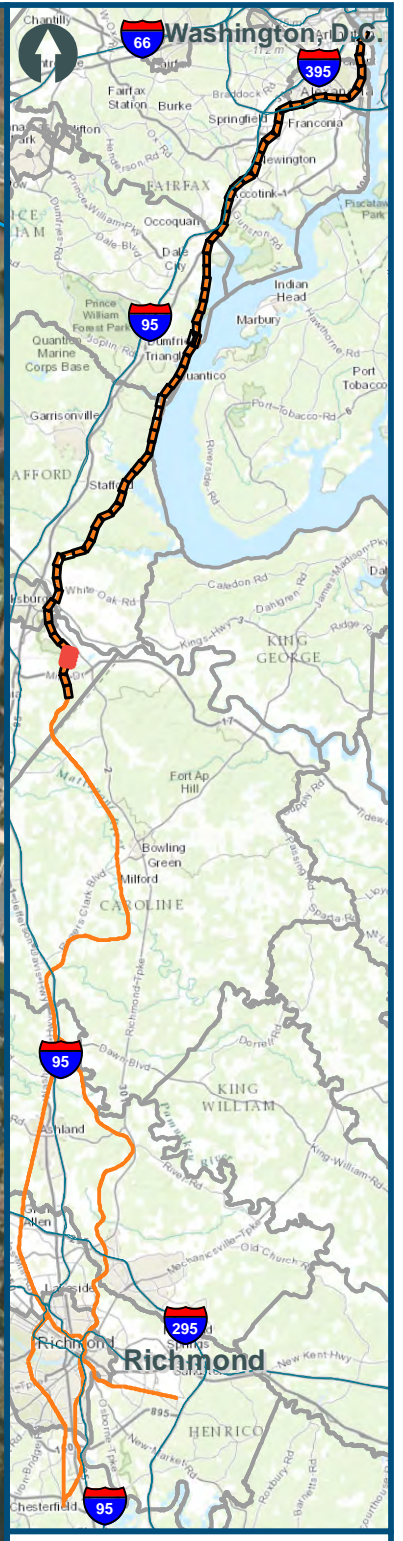


Figure G-65
Northern Virginia
Constrained
Alignment Option

\\dlismain\GIS_DATA\GIS\Projects\011545_VA\DeptofRails-PublicTransportation\0239056_RAPS-4\AIDev-ConceptEnginemap_docs\mxd\Alt_Tech_Report\DC2RVA_Chr6_Appendices_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.11.2015










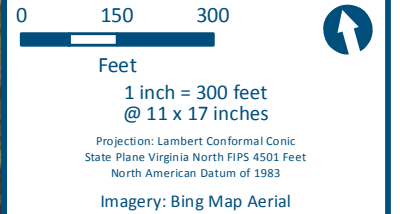
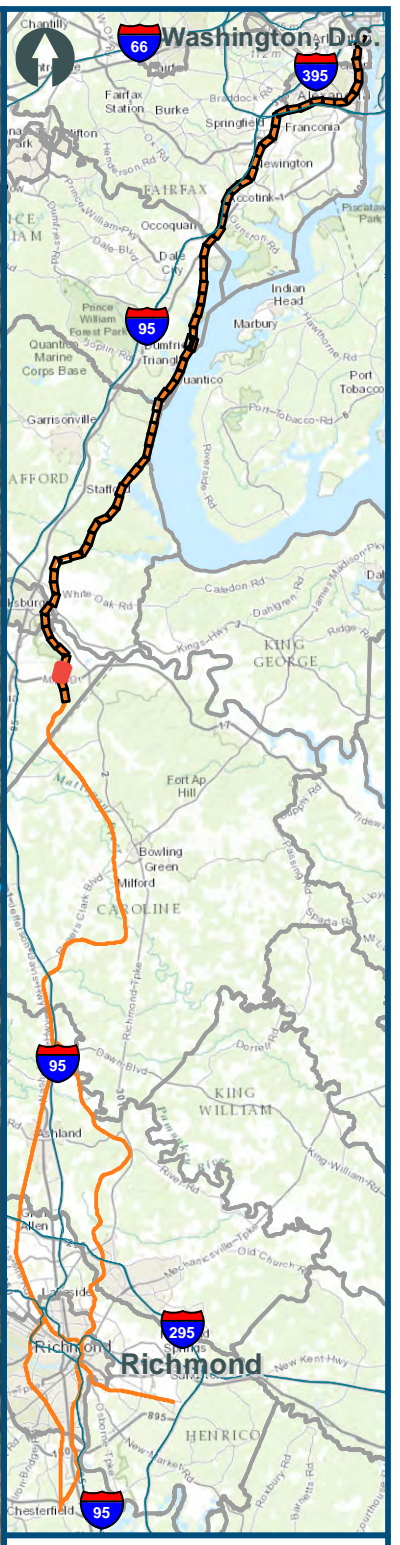
- Legend**
-  CSXT Mileposts
 -  Third Track Under Construction by CSXT
 -  New Track
 -  Shifted Track
 -  Existing Track
 -  CSXT Right-of-Way
 -  Streams

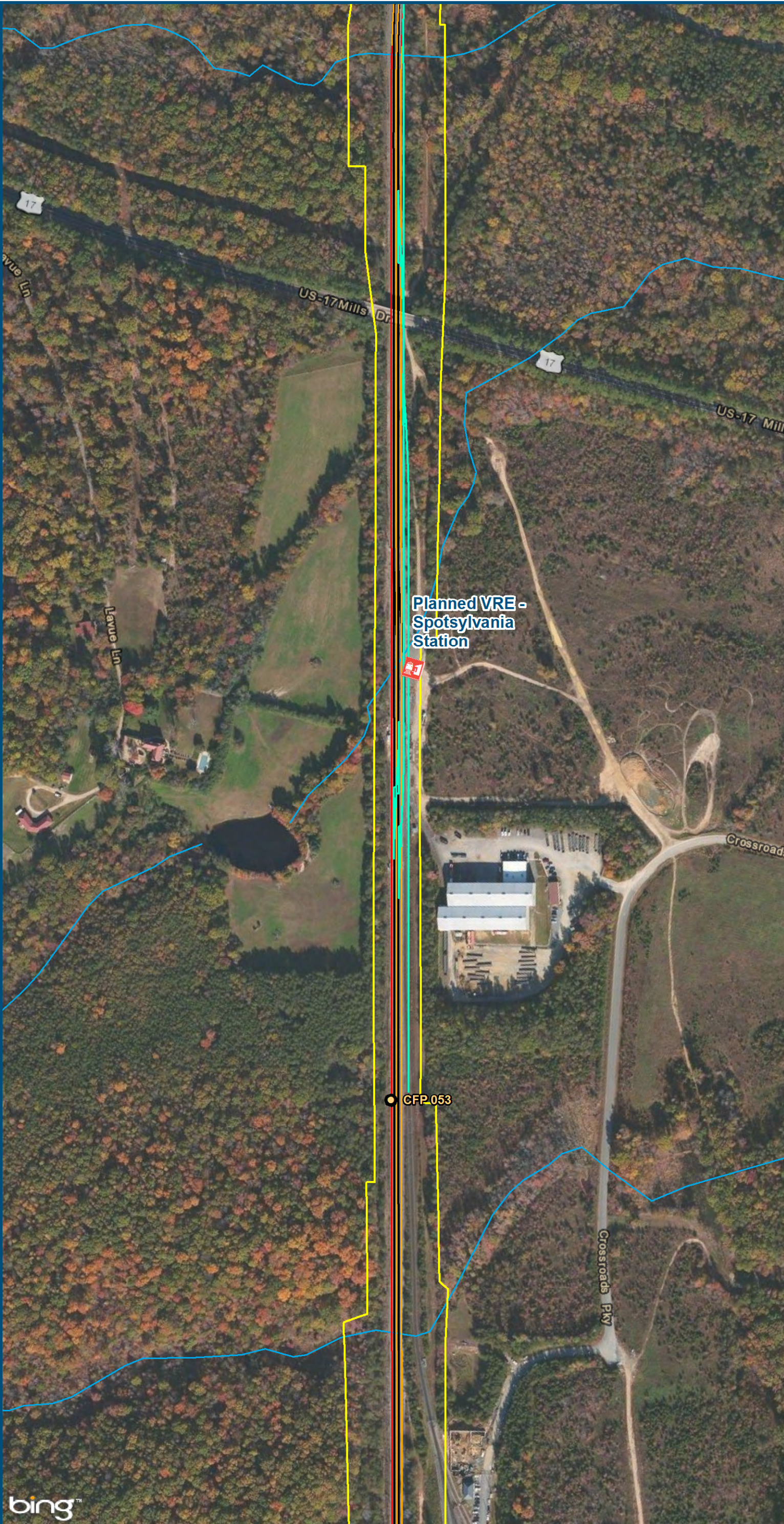
Figure G-66
Northern Virginia
Constrained
Alignment Option



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

Figure G-67
Northern 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_NOV_Constrained_Alignments_11x17.mxd | Last Updated: 11.11.2015

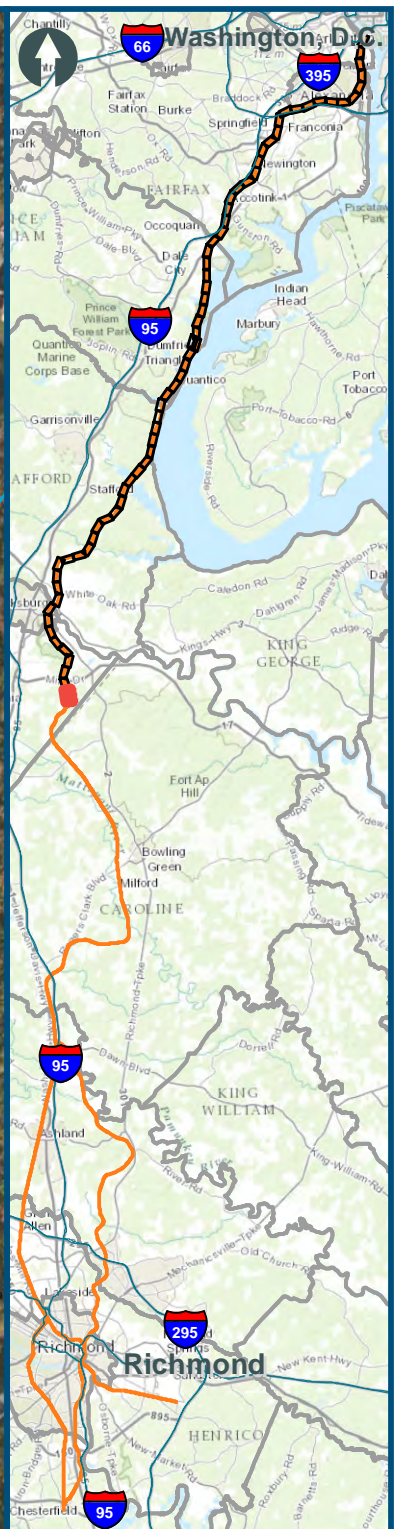
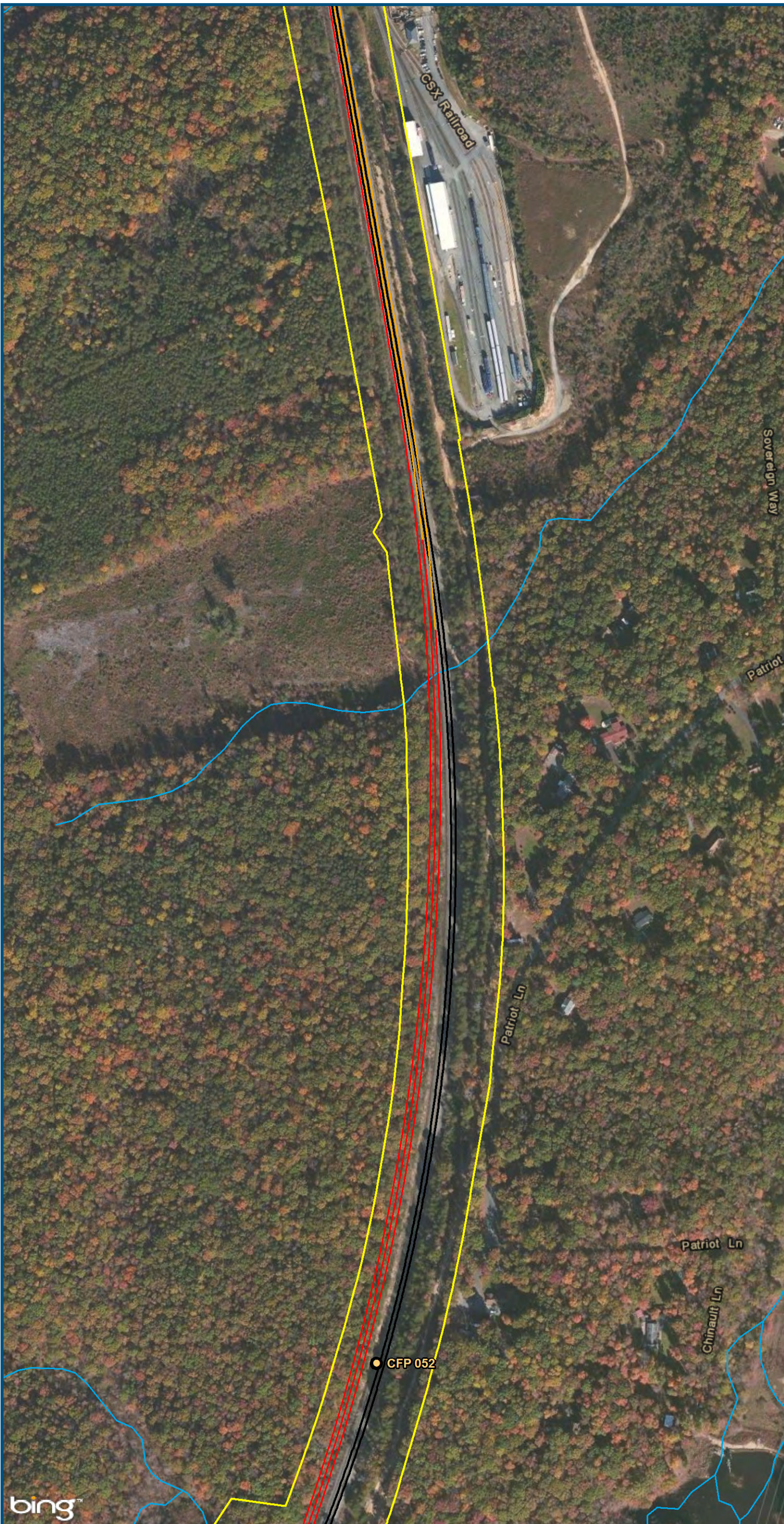


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

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

Figure G-68
Northern 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_NOV_Constrained_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
 - New Track
 - Shifted Track
 - Existing Track
 - CSXT Right-of-Way
 - Streams

Figure G-69
Northern Virginia
Constrained
Alignment Option