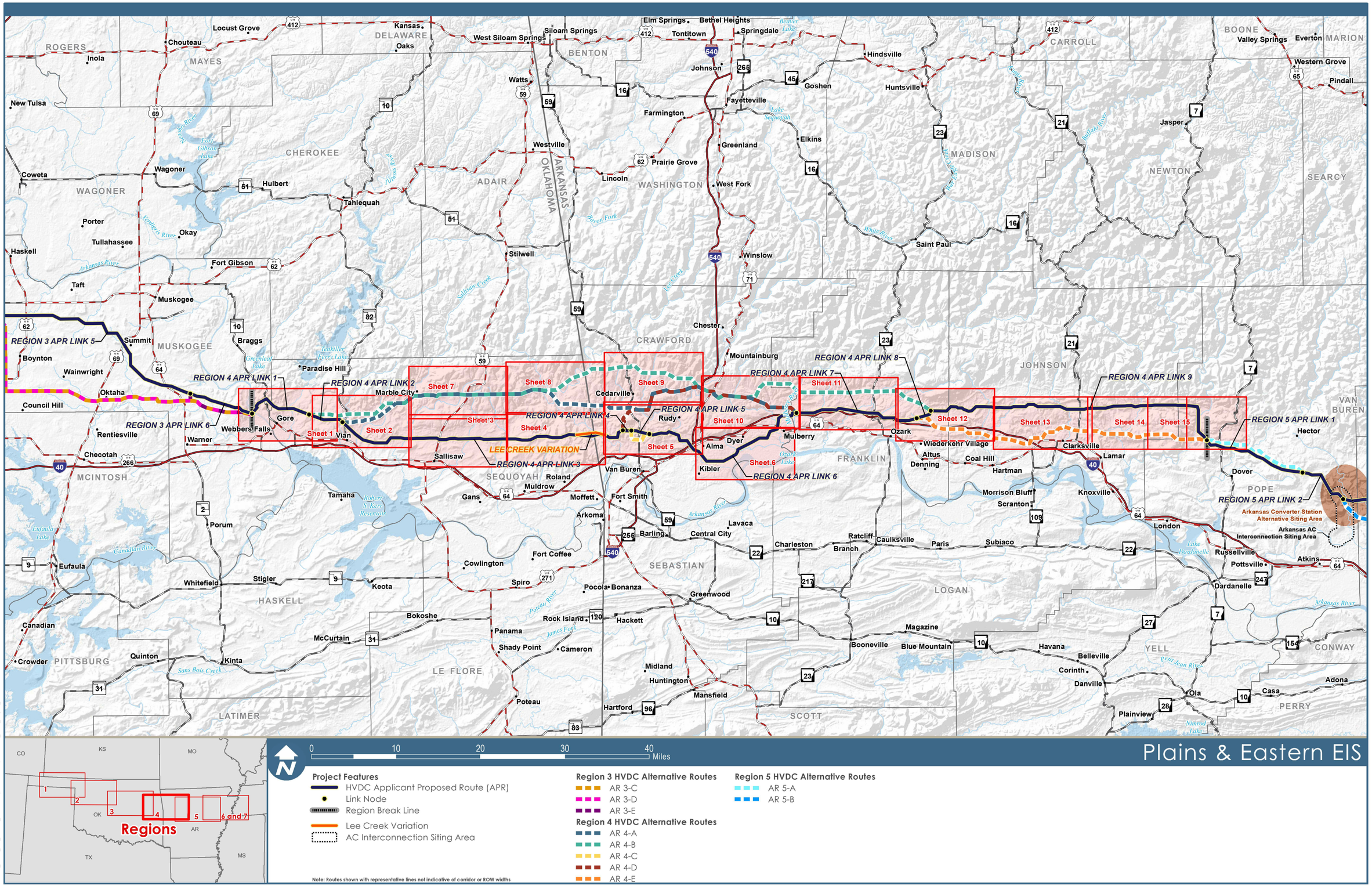
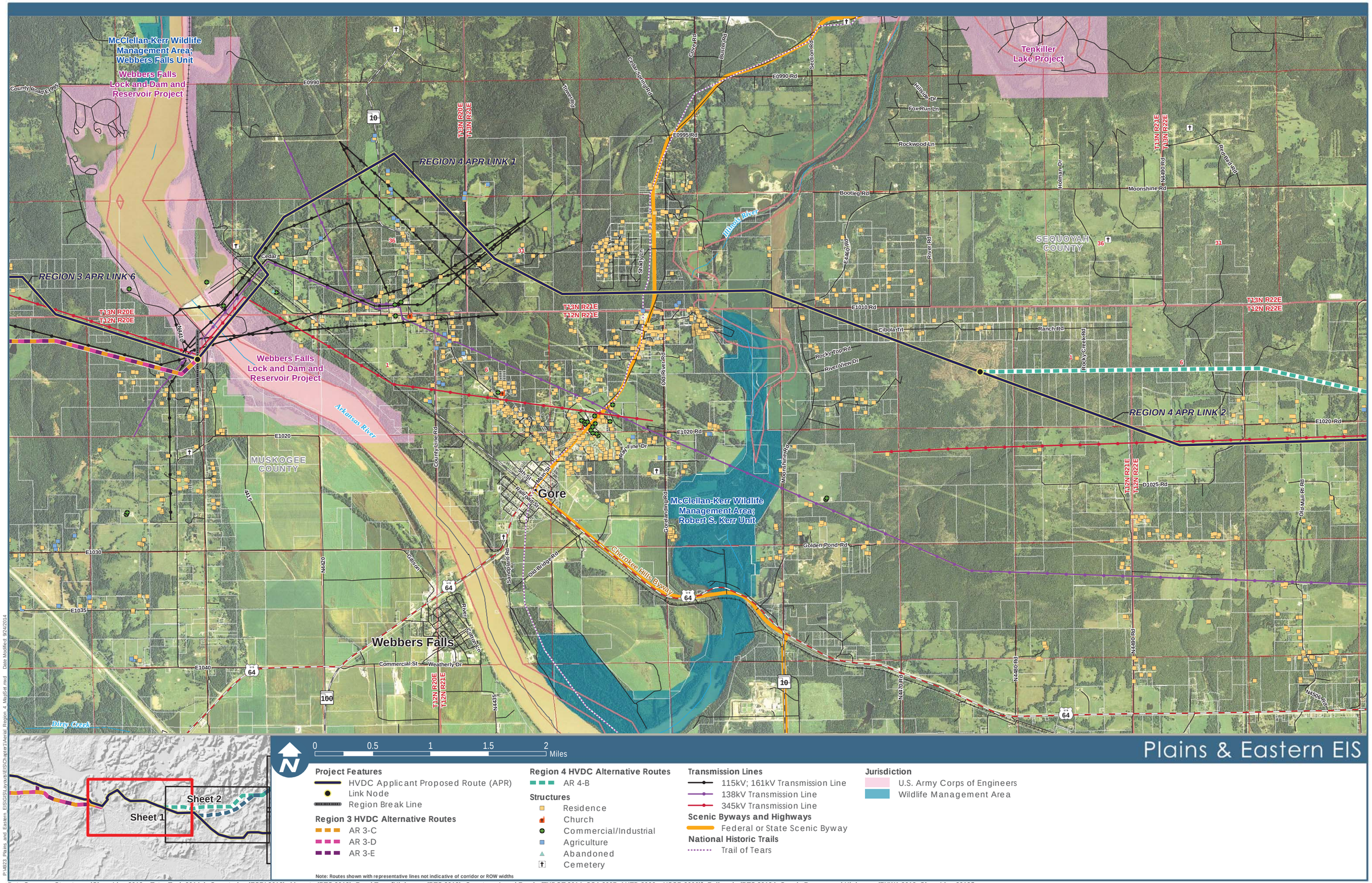



Figure 1.0-2: Aerial Map Index Region 4

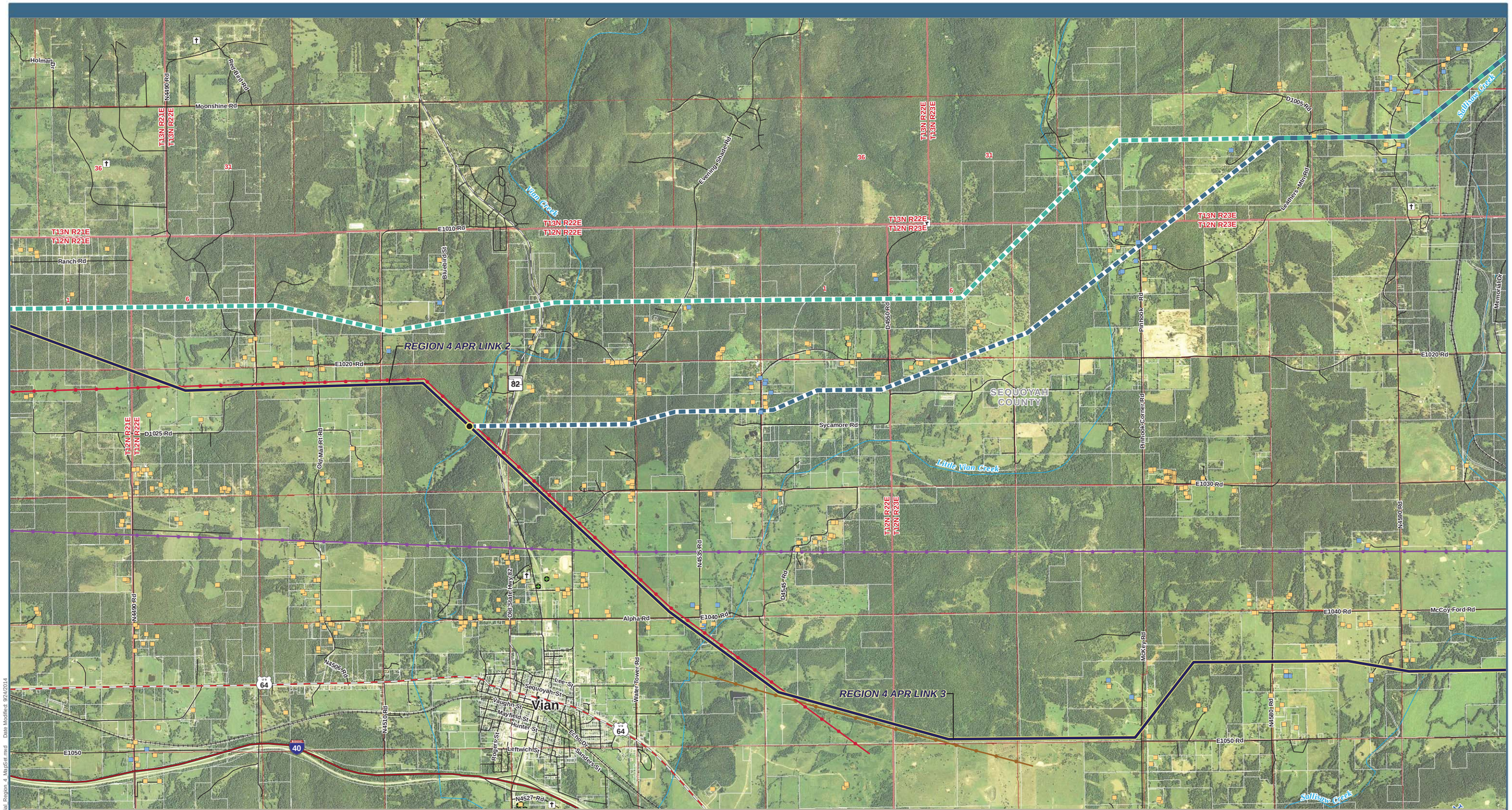
P:\4923_Plains_and_Eastern_EIS\GIS\Layouts\EIS\Chapter1\Aerial_Index_Region_4.mxd Date Modified: 9/25/2014

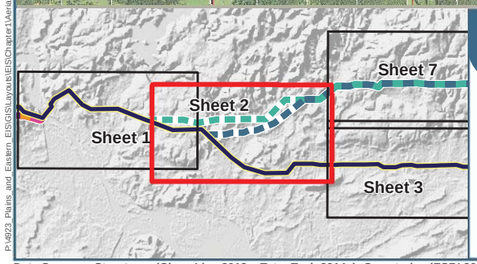



Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

**Figure 1.0-2: Aerial Map Region 4, Sheet 1**




0 0.5 1 1.5 2 Miles

**Project Features**
- HVDC Applicant Proposed Route (APR)
- Link Node

**Region 4 HVDC Alternative Routes**
- AR 4-A
- AR 4-B

**Structures**
- Residence
- Commercial/Industrial
- Agriculture
- Cemetery

**Airports**
- Private Airport

**Transmission Lines**
- 69kV Transmission Line
- 138kV Transmission Line
- 345kV Transmission Line

Note: Routes shown with representative lines not indicative of corridor or ROW widths

Plains & Eastern EIS

Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

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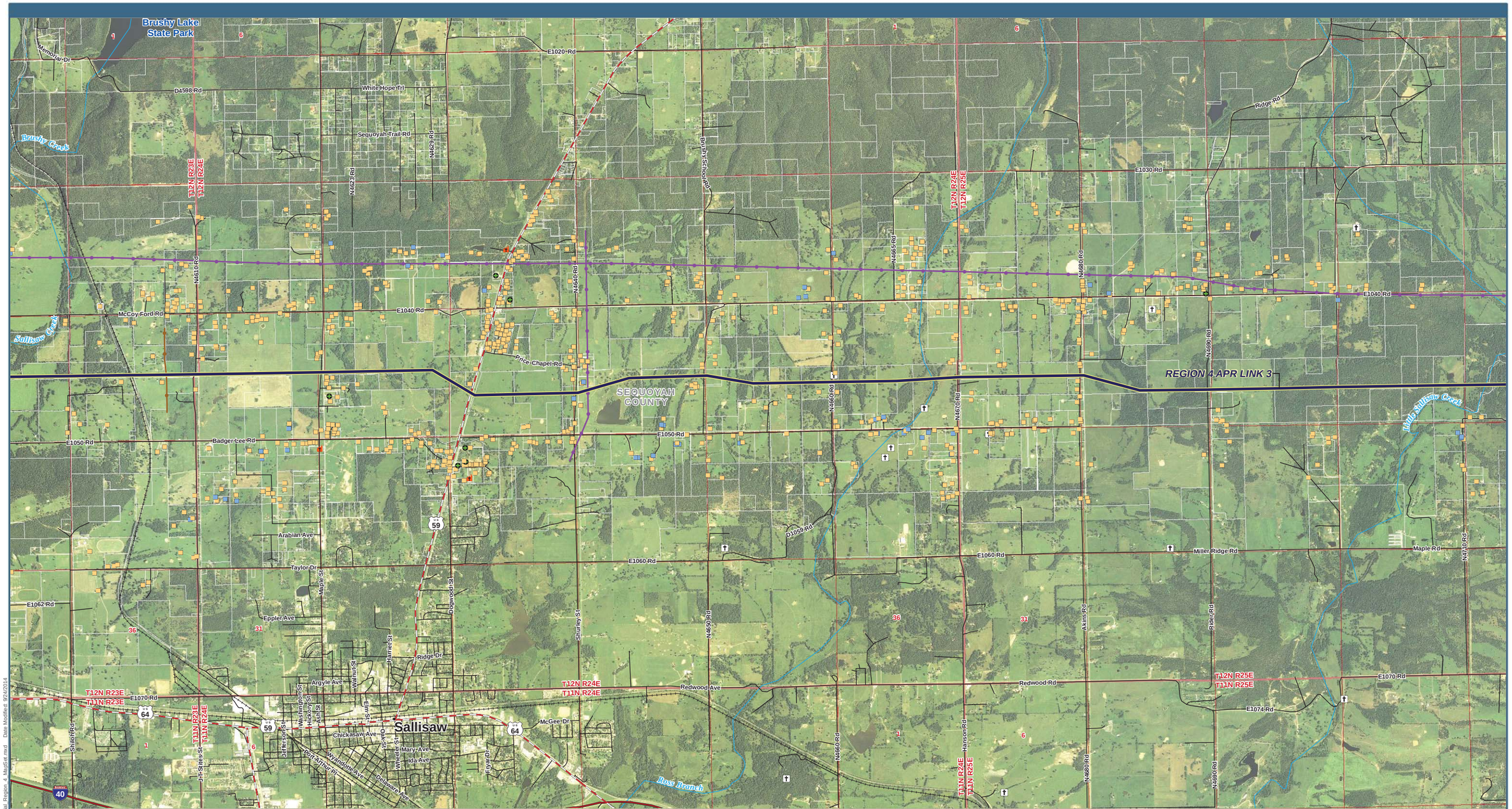
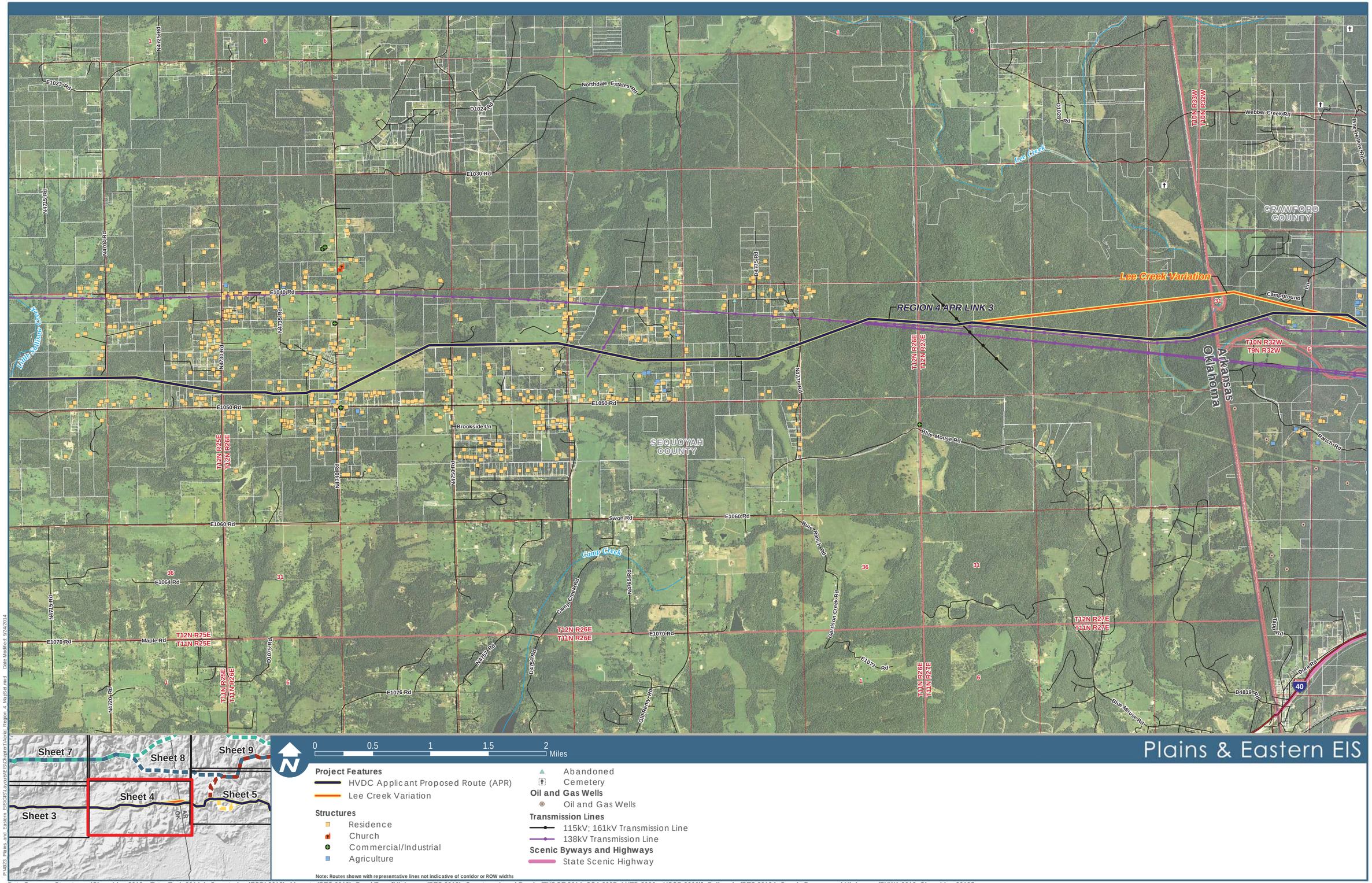
**Figure 1.0-2: Aerial Map Region 4, Sheet 2**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

**Figure 1.0-2: Aerial Map Region 4, Sheet 3**

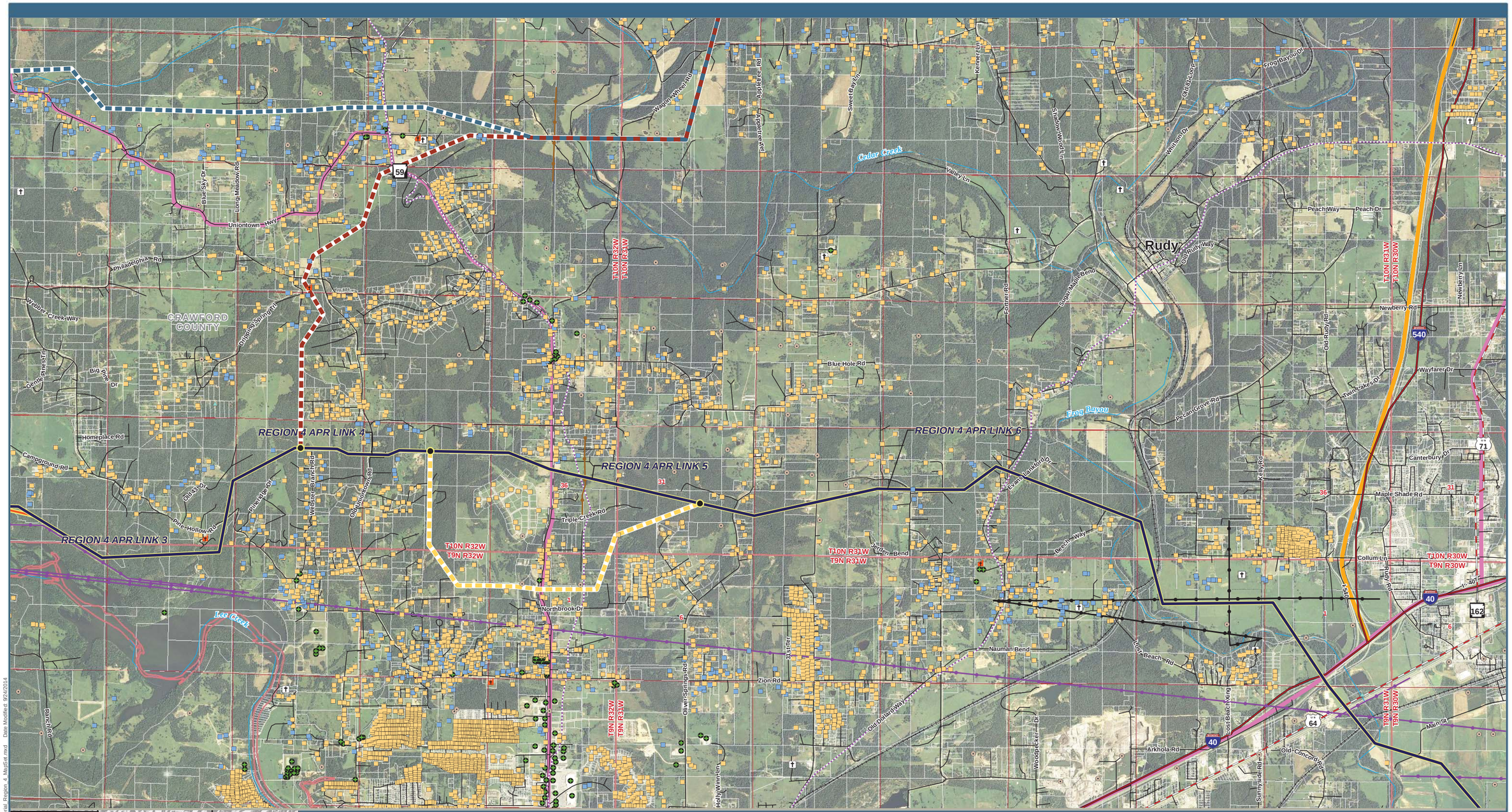


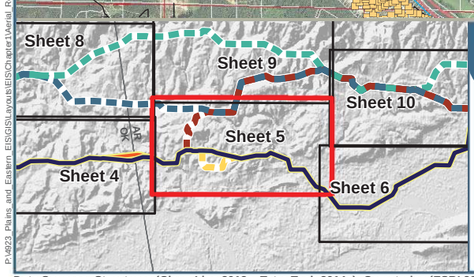

Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

**Figure 1.0-2: Aerial Map Region 4, Sheet 4**

P14823_Plains_and_Eastern_EIS\GIS\Layouts\EIS\Chapter1\Aerial_Region_4_MapSet.mxd Date Modified: 9/24/2014




0 0.5 1 1.5 2 Miles

Plains & Eastern EIS

**Project Features**
- HVDC Applicant Proposed Route (APR)
- Link Node
- Lee Creek Variation

**Region 4 HVDC Alternative Routes**
- AR 4-A
- AR 4-C
- AR 4-D

**Structures**
- Residence
- Church
- Commercial/Industrial
- Agriculture
- Abandoned
- Cemetery

**Oil and Gas Wells**
- Oil and Gas Wells

**Transmission Lines**
- 69kV Transmission Line
- 115kV; 161kV Transmission Line
- 138kV Transmission Line

**Scenic Byways and Highways**
- Federal or State Scenic Byway
- State Scenic Highway

**National Historic Trails**
- Trail of Tears

**Jurisdiction**
- City/County/Local Park

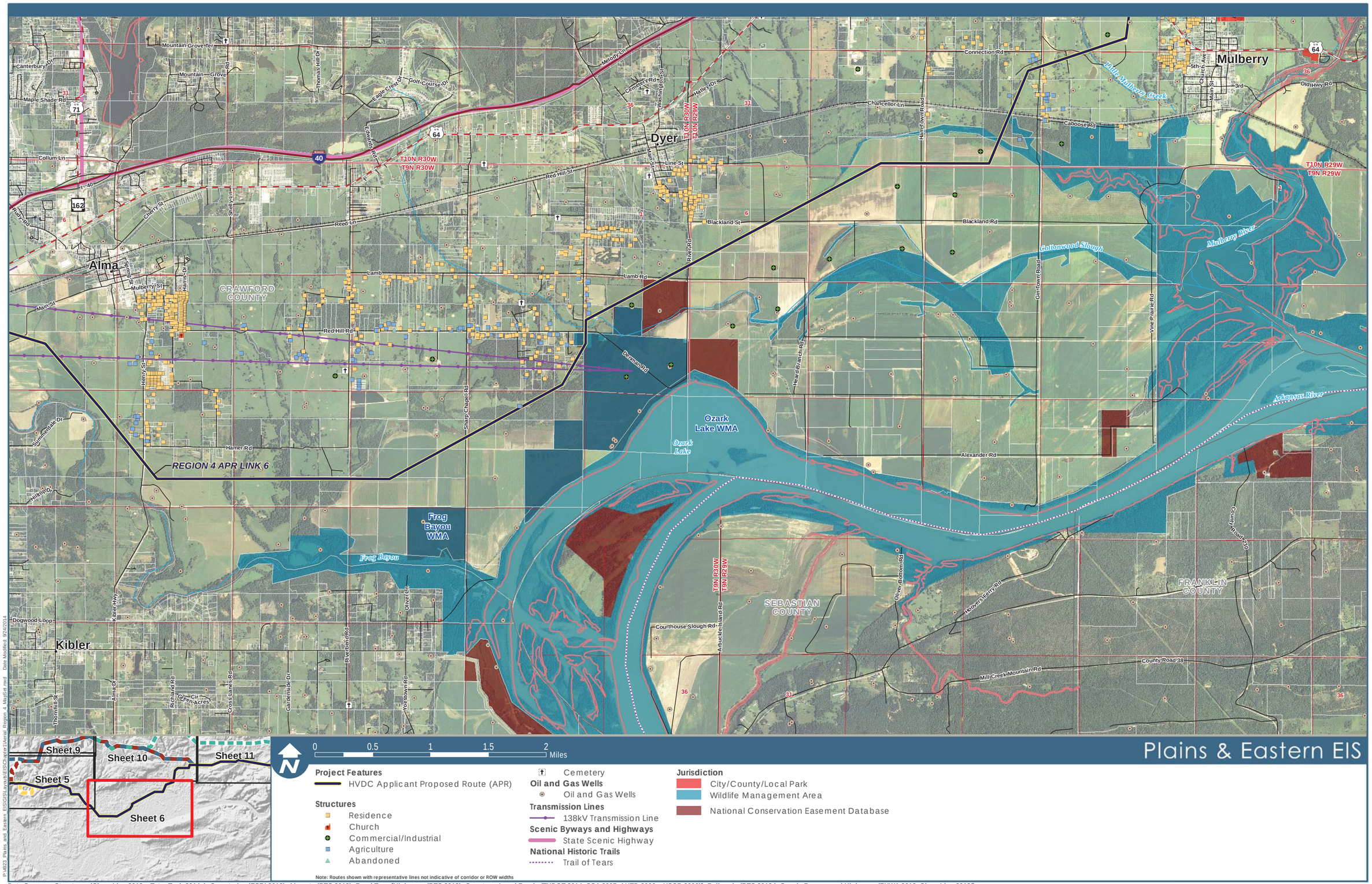
Note: Routes shown with representative lines not indicative of corridor or ROW widths

P14923_Plains and Eastern_EIS\GIS\Layouts\EIS\Chapter1\Aerial_Region_4_Map\R4.mxd Date Modified: 9/24/2014

Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

**Figure 1.0-2: Aerial Map Region 4, Sheet 5**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

**Figure 1.0-2: Aerial Map Region 4, Sheet 6**

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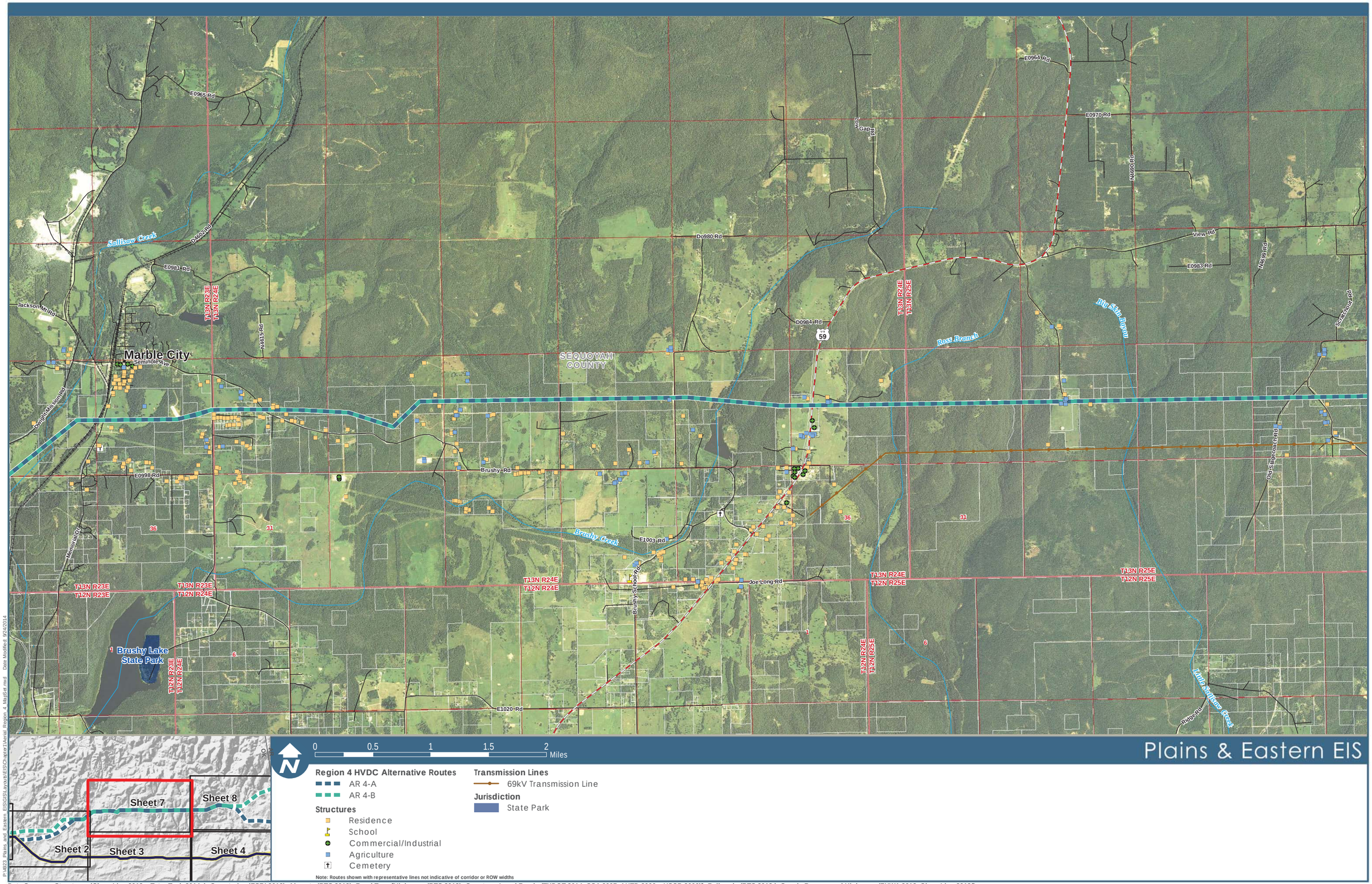
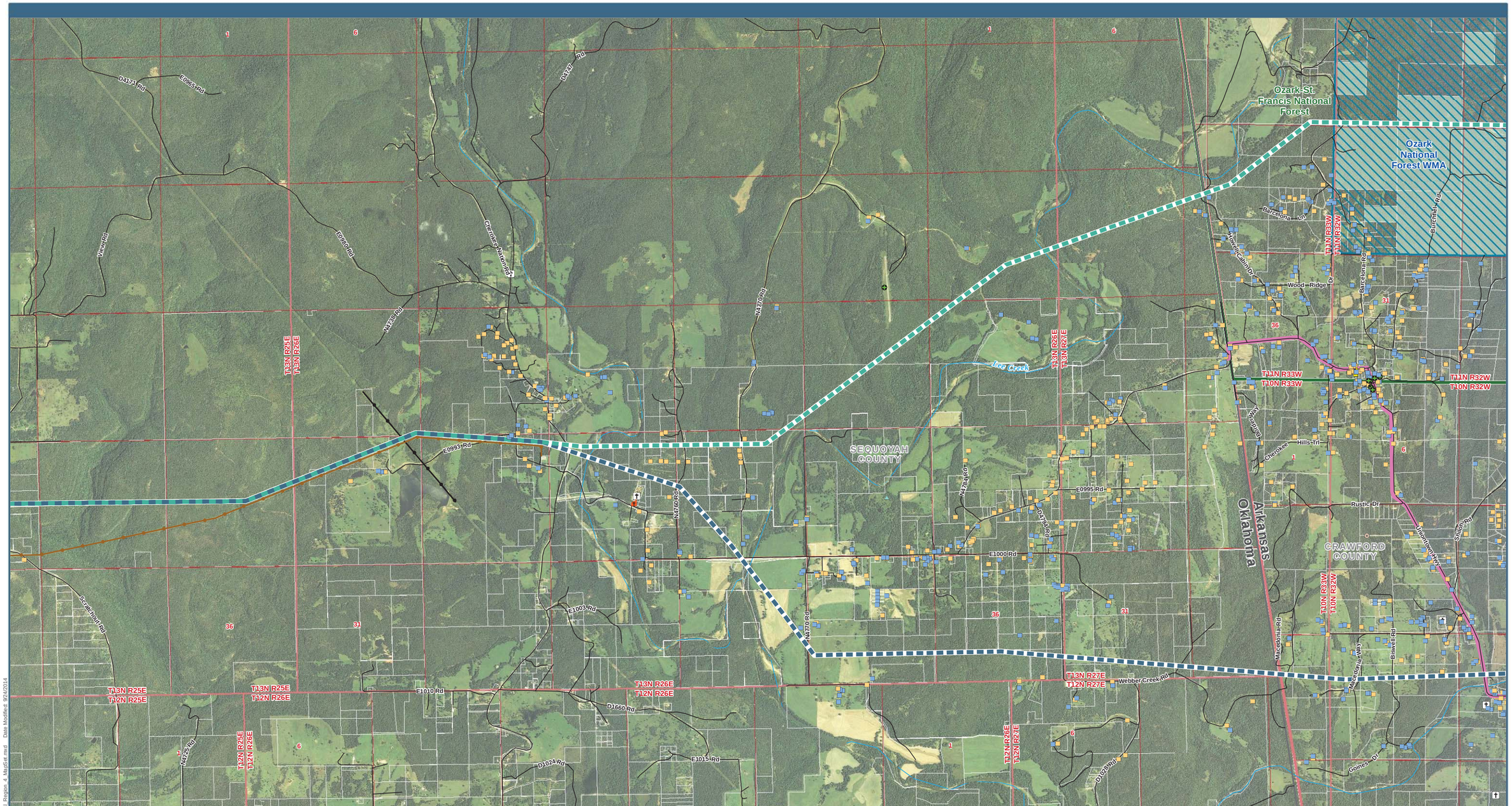
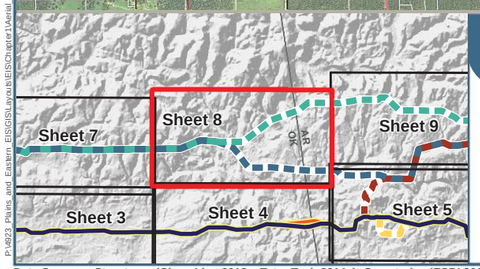



Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

**Figure 1.0-2: Aerial Map Region 4, Sheet 7**




0 0.5 1 1.5 2 Miles

# Plains & Eastern EIS

**Region 4 HVDC Alternative Routes**
- AR 4-A
- AR 4-B

**Structures**
- Residence
- School
- Church
- Commercial/Industrial
- Agriculture
- Abandoned
- Cemetery

**Oil and Gas Wells**
- Oil and Gas Wells

**Transmission Lines**
- 69kV Transmission Line
- 115kV; 161kV Transmission Line

**Scenic Byways and Highways**
- State Scenic Highway

- Wildlife Management Area within Federally-designated Land
- USFS Administrative Forest Boundary
- USFS-owned Land

Note: Routes shown with representative lines not indicative of corridor or ROW widths

Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

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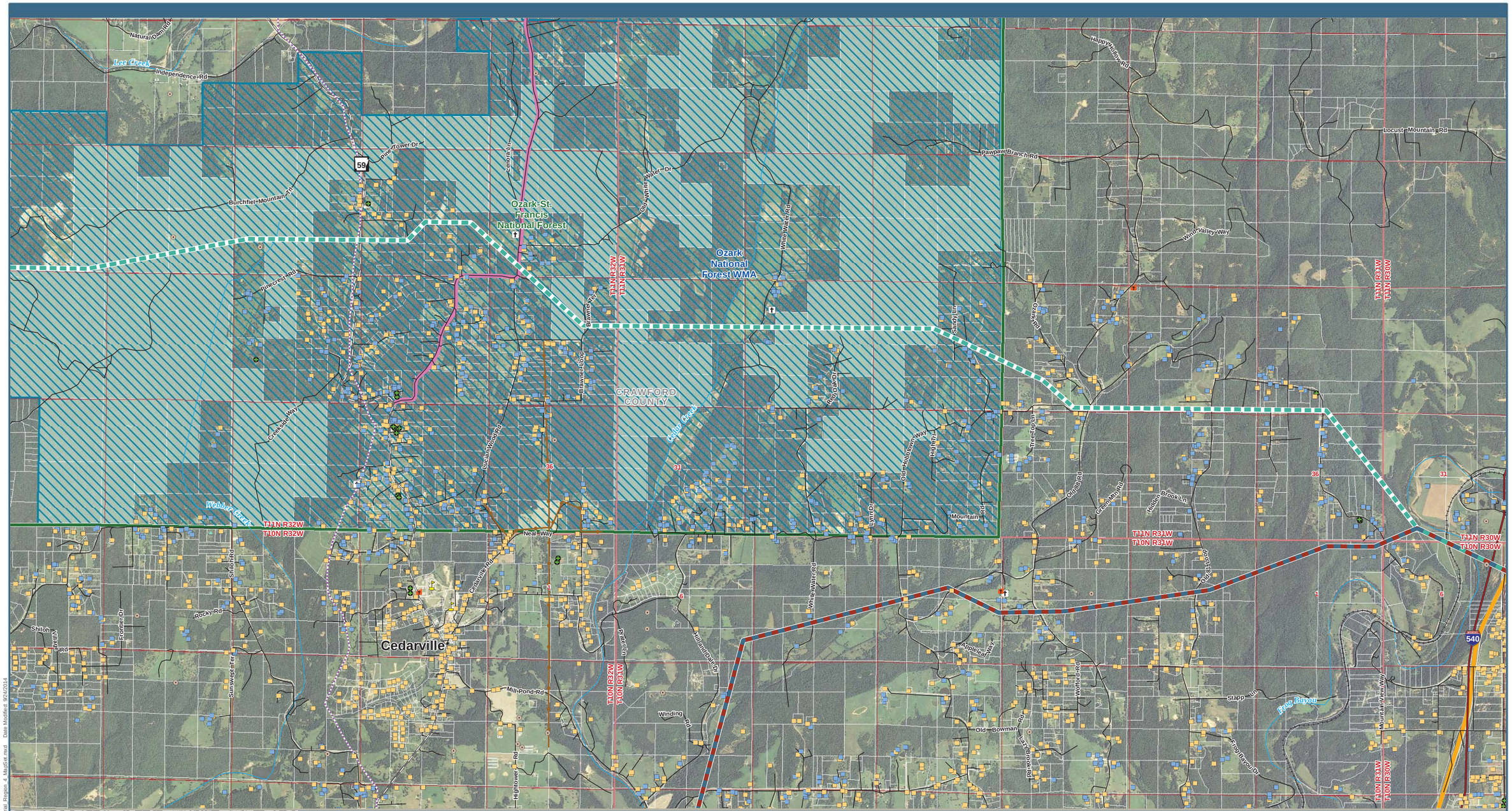
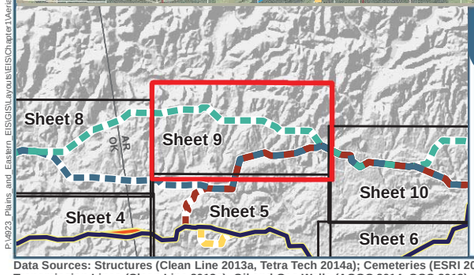
**Figure 1.0-2: Aerial Map Region 4, Sheet 8**




0 0.5 1 1.5 2 Miles

Plains & Eastern EIS

**Region 4 HVDC Alternative Routes**
- AR 4-A
- AR 4-B
- AR 4-D

**Structures**
- Residence
- School
- Church
- Commercial/Industrial
- Agriculture
- Abandoned
- Cemetery

**Oil and Gas Wells**
- Oil and Gas Wells

**Transmission Lines**
- 69kV Transmission Line

**Scenic Byways and Highways**
- Federal or State Scenic Byway
- State Scenic Highway

**National Historic Trails**
- Trail of Tears

- Wildlife Management Area within Federally-designated Land
- USFS Administrative Forest Boundary
- USFS-owned Land

Note: Routes shown with representative lines not indicative of corridor or ROW widths

Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

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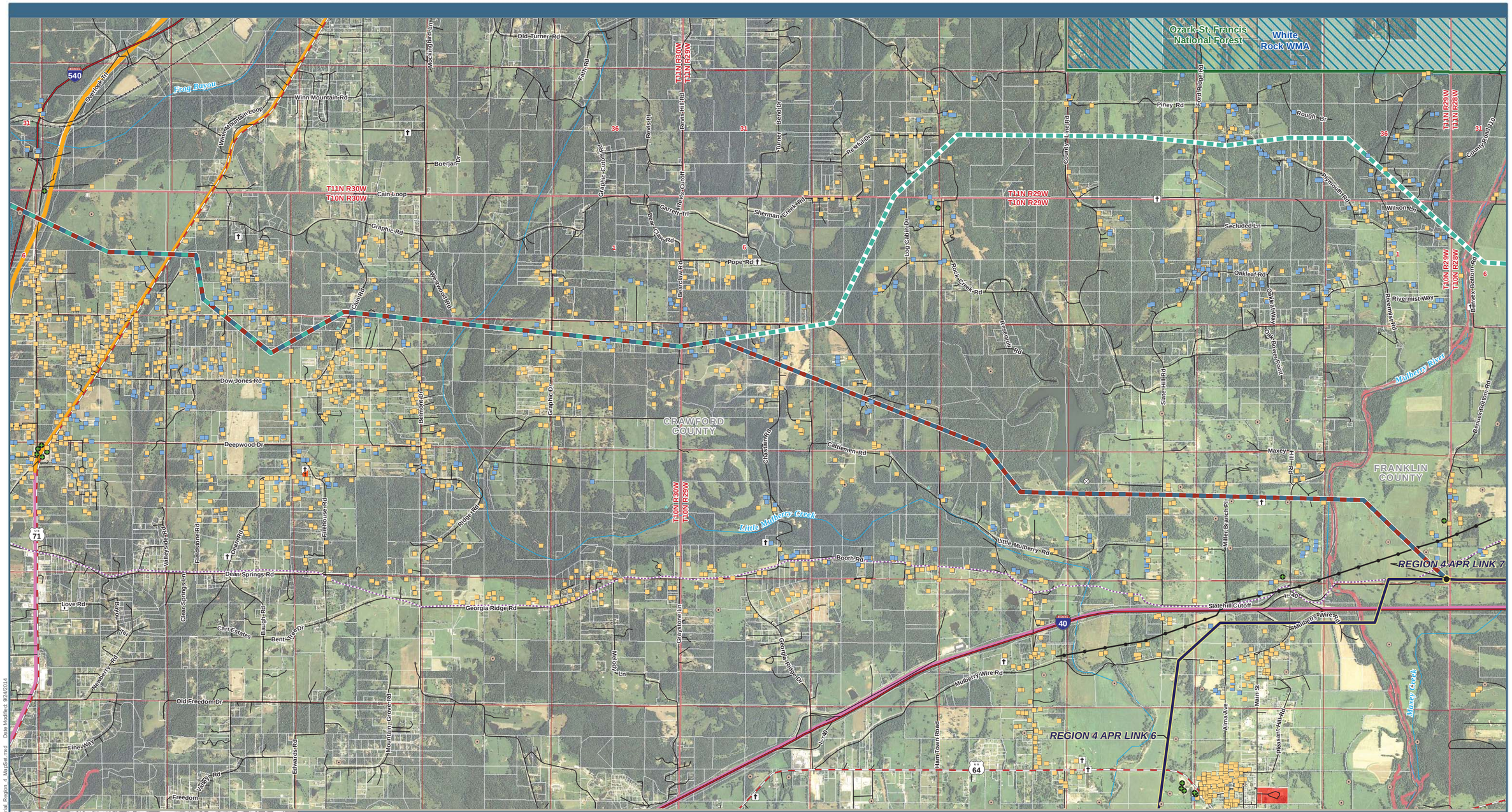
**Figure 1.0-2: Aerial Map Region 4, Sheet 9**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

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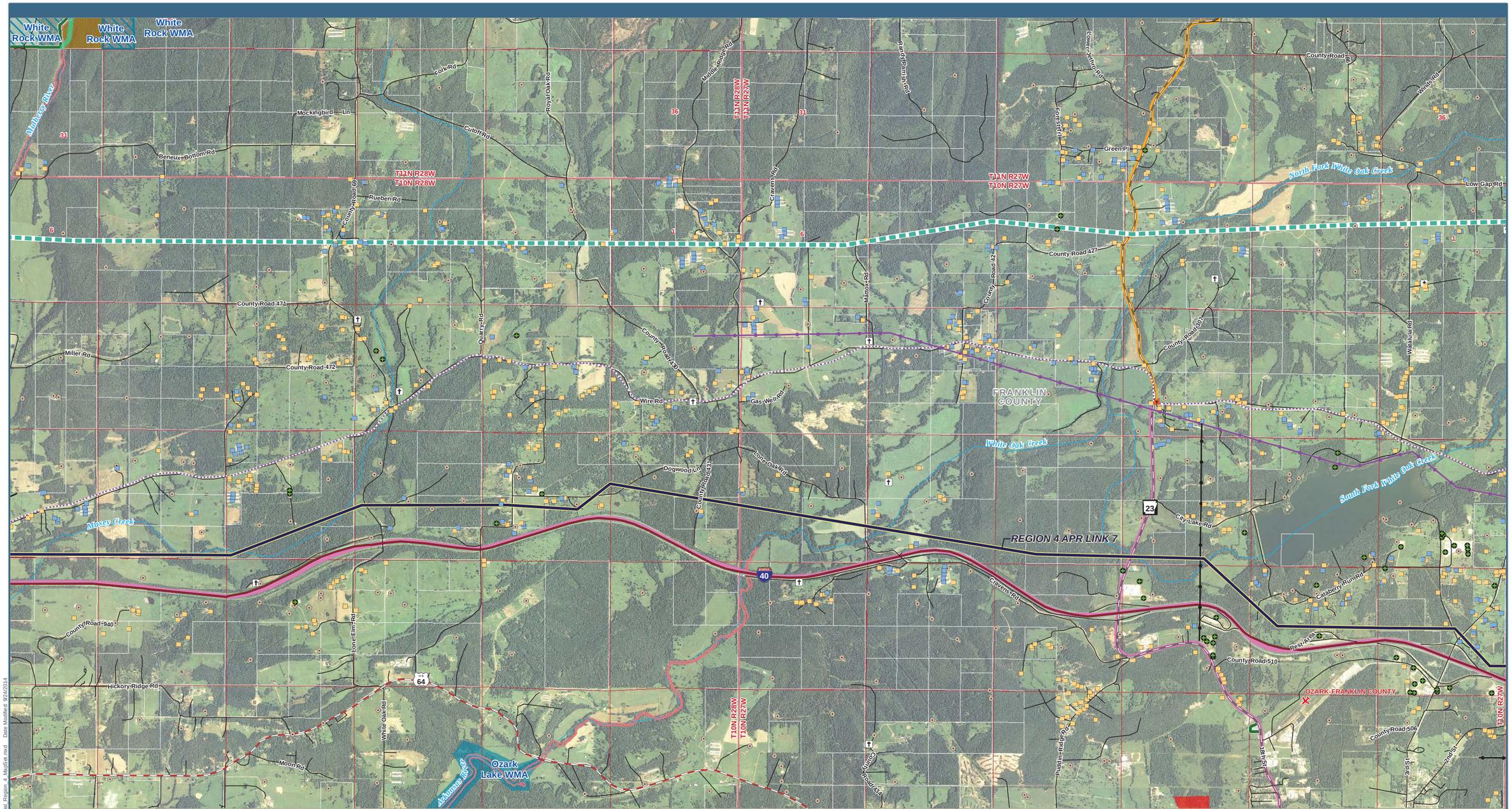
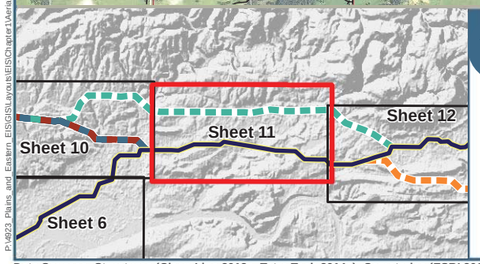
**Figure 1.0-2: Aerial Map Region 4, Sheet 10**




0 0.5 1 1.5 2 Miles

# Plains & Eastern EIS

**Project Features**
- HVDC Applicant Proposed Route (APR)

**Region 4 HVDC Alternative Routes**
- AR 4-B

**Structures**
- Residence
- Church
- Commercial/Industrial
- Agriculture
- Abandoned
- Cemetery

**Oil and Gas Wells**
- Oil and Gas Wells

**Airports**
- Public Airport

**Transmission Lines**
- 115kV; 161kV Transmission Line
- 138kV Transmission Line

**Scenic Byways and Highways**
- Federal or State Scenic Byway
- State Scenic Highway

**National Historic Trails**
- Trail of Tears

**Wild and Scenic Rivers**
- Wild and Scenic River

**Jurisdiction**
- City/County/Local Park
- Wildlife Management Area
- Wildlife Management Area within Federally-designated Land
- USFS Administrative Forest Boundary
- USFS-owned Land
- The Nature Conservancy

Note: Routes shown with representative lines not indicative of corridor or ROW widths

Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

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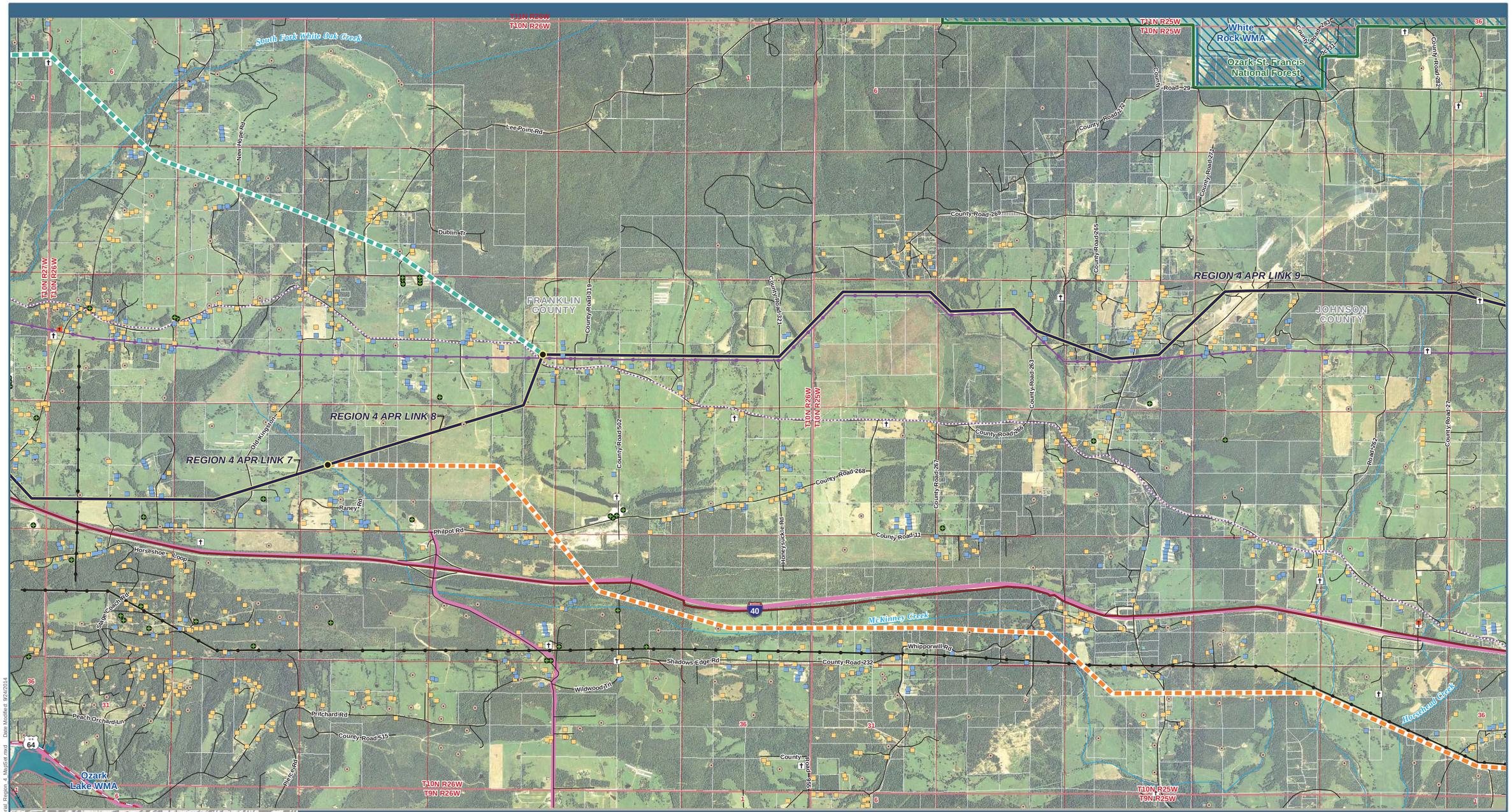
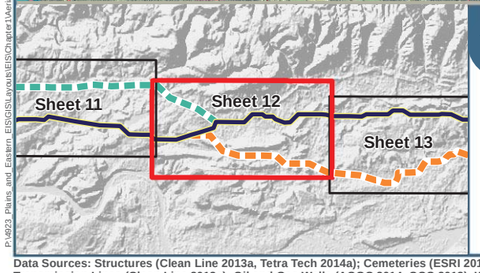
**Figure 1.0-2: Aerial Map Region 4, Sheet 11**




0 0.5 1 1.5 2 Miles

Plains & Eastern EIS

**Project Features**
- HVDC Applicant Proposed Route (APR)
- Link Node

**Region 4 HVDC Alternative Routes**
- AR 4-B
- AR 4-E

**Structures**
- Residence
- Church
- Commercial/Industrial
- Agriculture
- Abandoned
- Cemetery

**Oil and Gas Wells**
- Oil and Gas Wells

**Transmission Lines**
- 115kV; 161kV Transmission Line
- 138kV Transmission Line

**Scenic Byways and Highways**
- State Scenic Highway

**National Historic Trails**
- Trail of Tears

**Jurisdiction**
- City/County/Local Park
- Wildlife Management Area
- Wildlife Management Area within Federally-designated Land
- USFS Administrative Forest Boundary
- USFS-owned Land

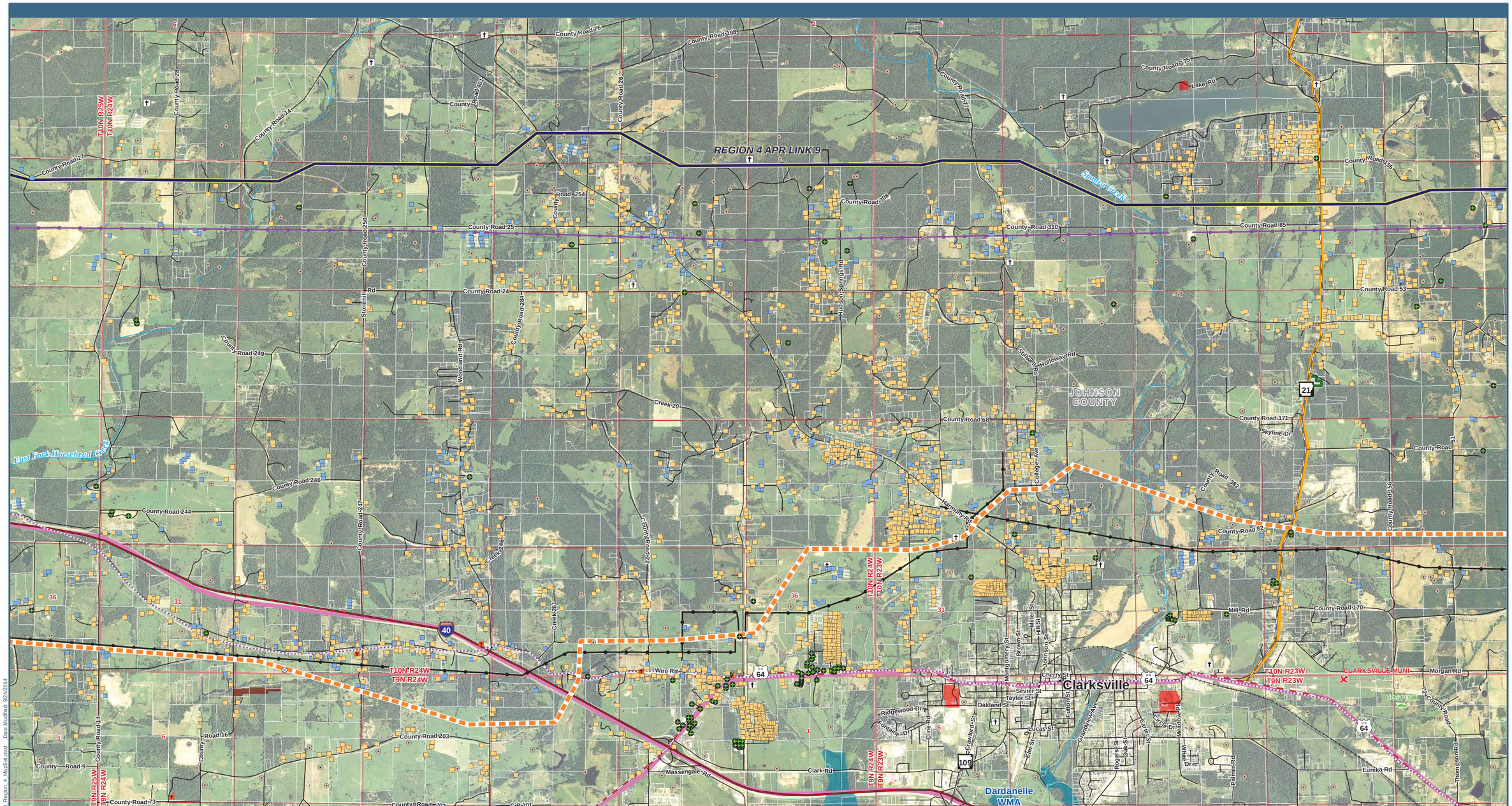
Note: Routes shown with representative lines not indicative of corridor or ROW widths

P:\4923_Plains_and_Eastern_EIS\GIS\Layouts\EIS\Chapter1\Aerial_Region_4_Map\Est.mxd Date Modified: 9/24/2014

Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

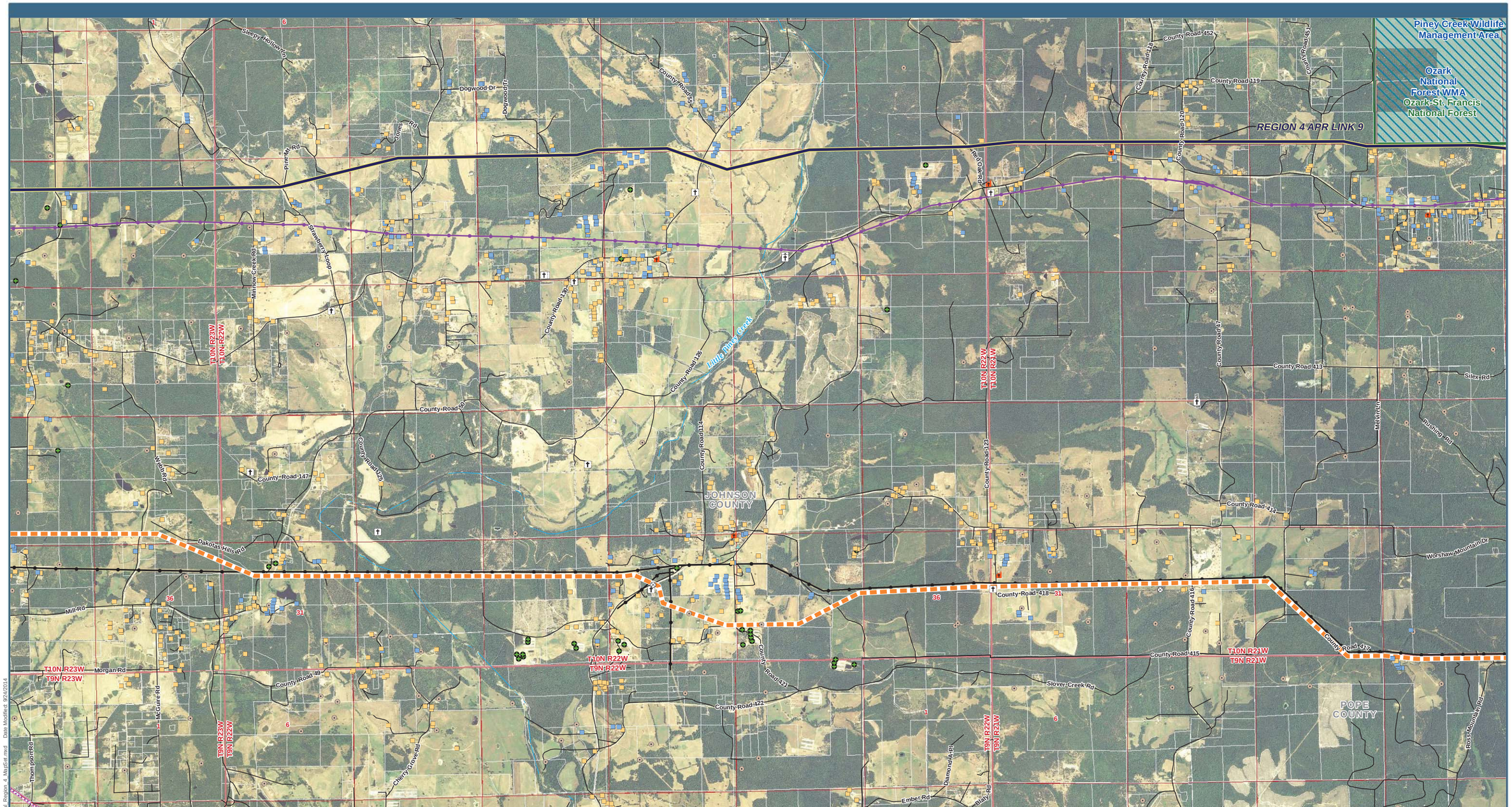
**Figure 1.0-2: Aerial Map Region 4, Sheet 12**

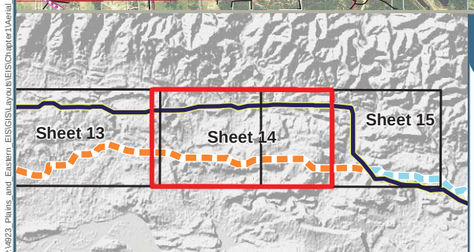



Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

**Figure 1.0-2: Aerial Map Region 4, Sheet 13**




0 0.5 1 1.5 2 Miles

# Plains & Eastern EIS

**Project Features**
- HVDC Applicant Proposed Route (APR)

**Region 4 HVDC Alternative Routes**
- AR 4-E

**Structures**
- Residence
- Church
- Commercial/Industrial
- Agriculture
- Abandoned
- Other
- Cemetery

**Oil and Gas Wells**
- Oil and Gas Wells

**Transmission Lines**
- 115kV; 161kV Transmission Line
- 138kV Transmission Line

**Scenic Byways and Highways**
- State Scenic Highway

**National Historic Trails**
- Trail of Tears
- Wildlife Management Area within Federally-designated Land
- USFS Administrative Forest Boundary
- USFS-owned Land

Note: Routes shown with representative lines not indicative of corridor or ROW widths

Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

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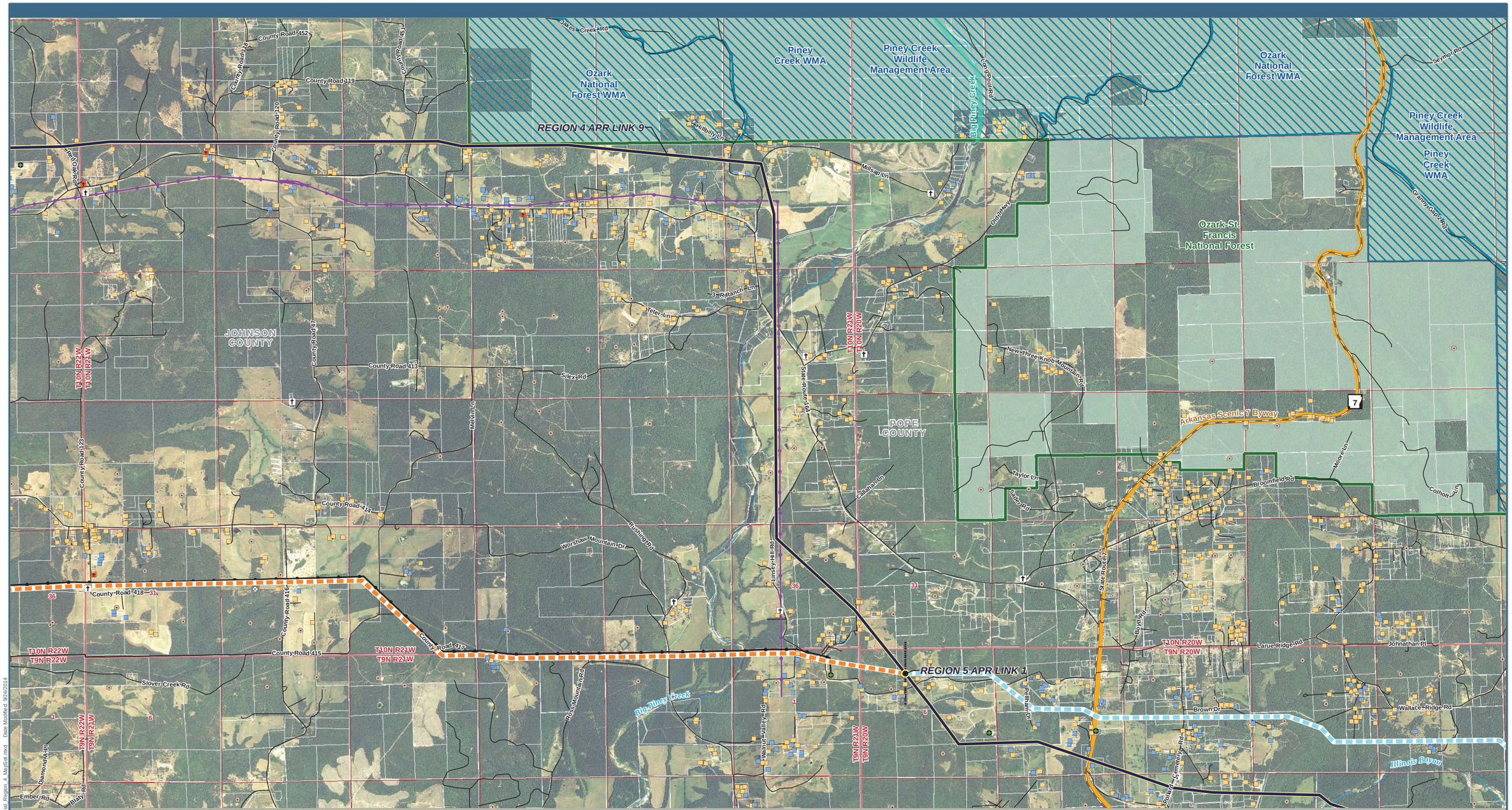
**Figure 1.0-2: Aerial Map Region 4, Sheet 14**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

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**Figure 1.0-2: Aerial Map Region 4, Sheet 15**

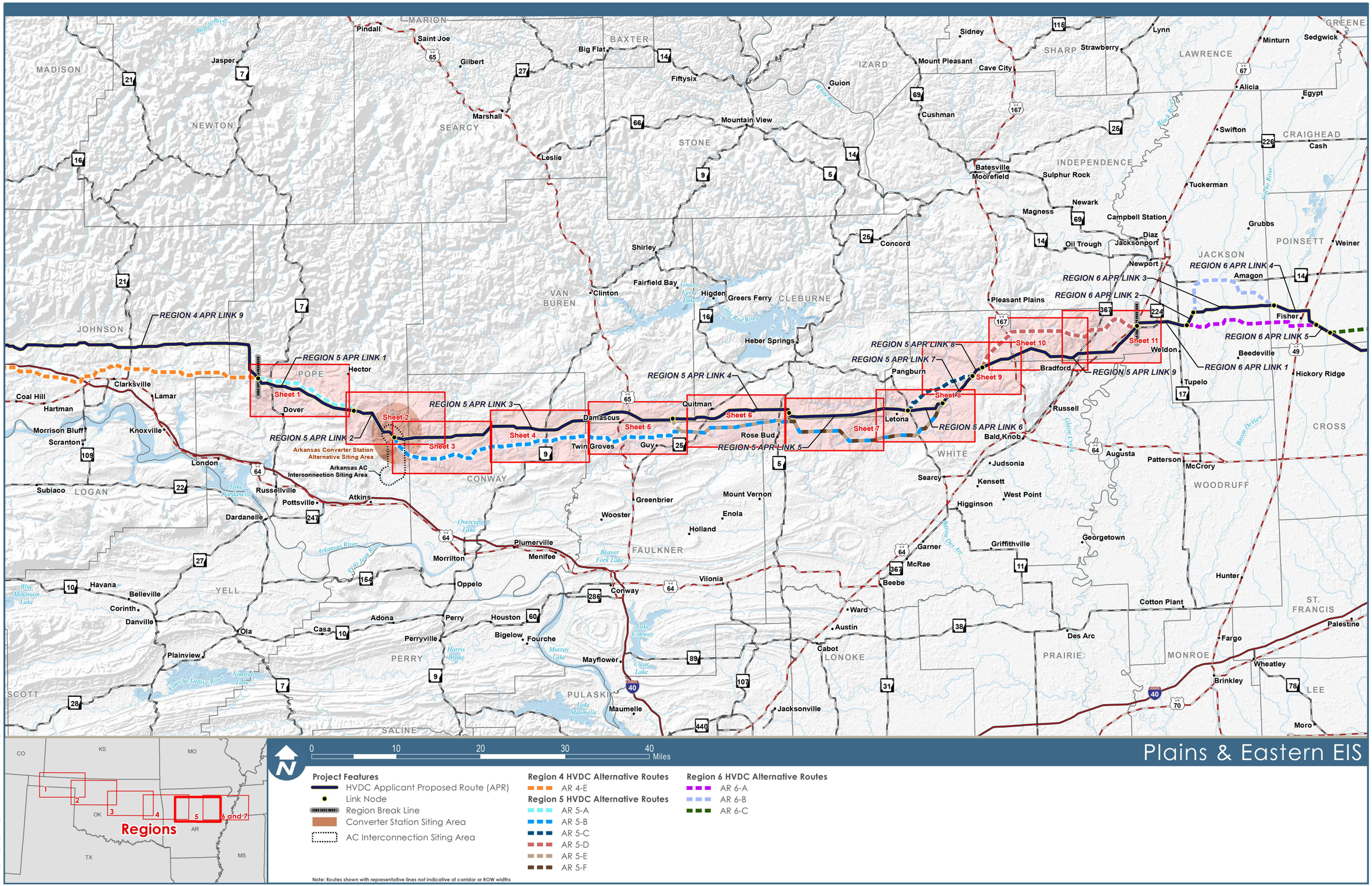
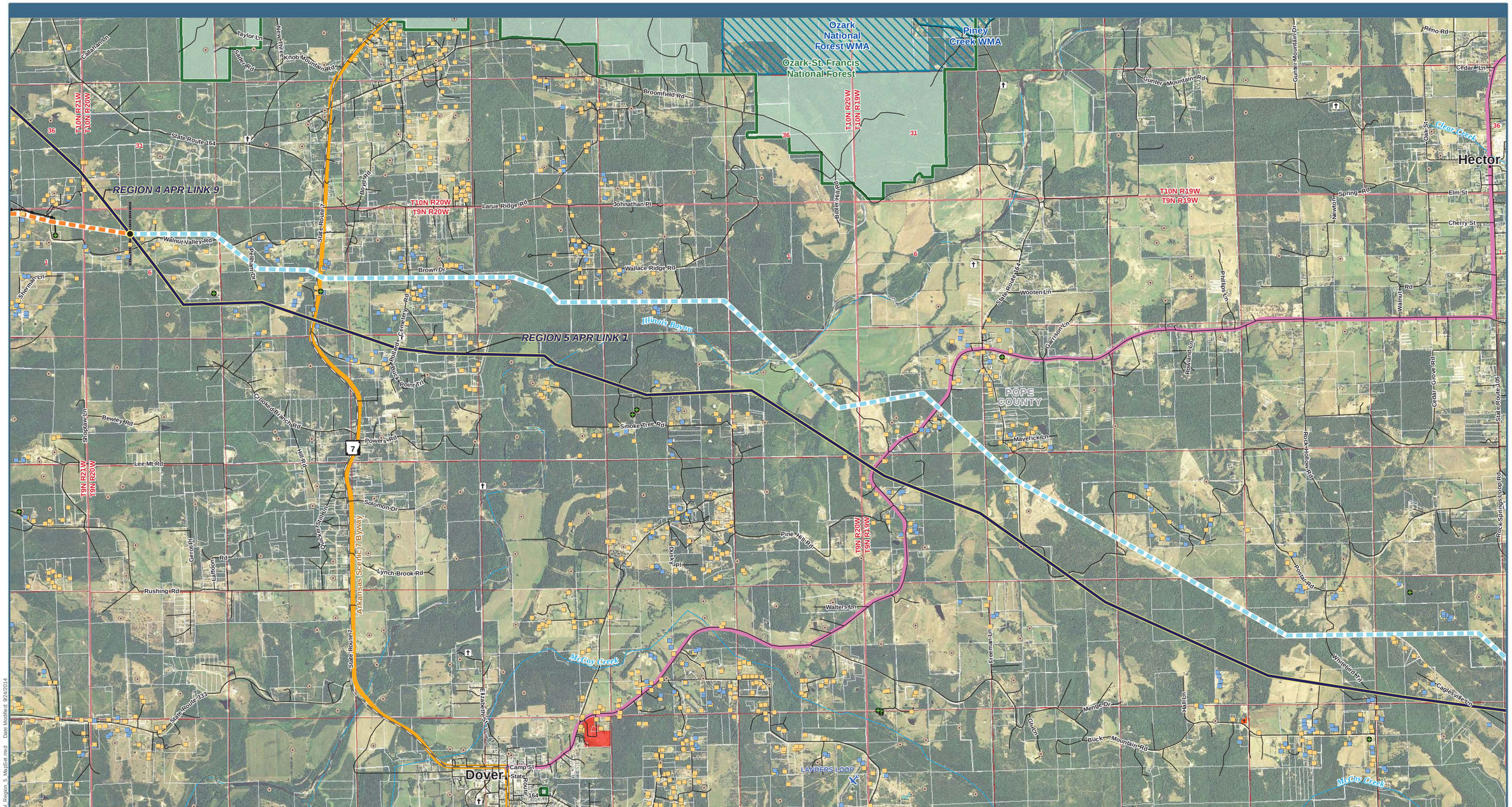


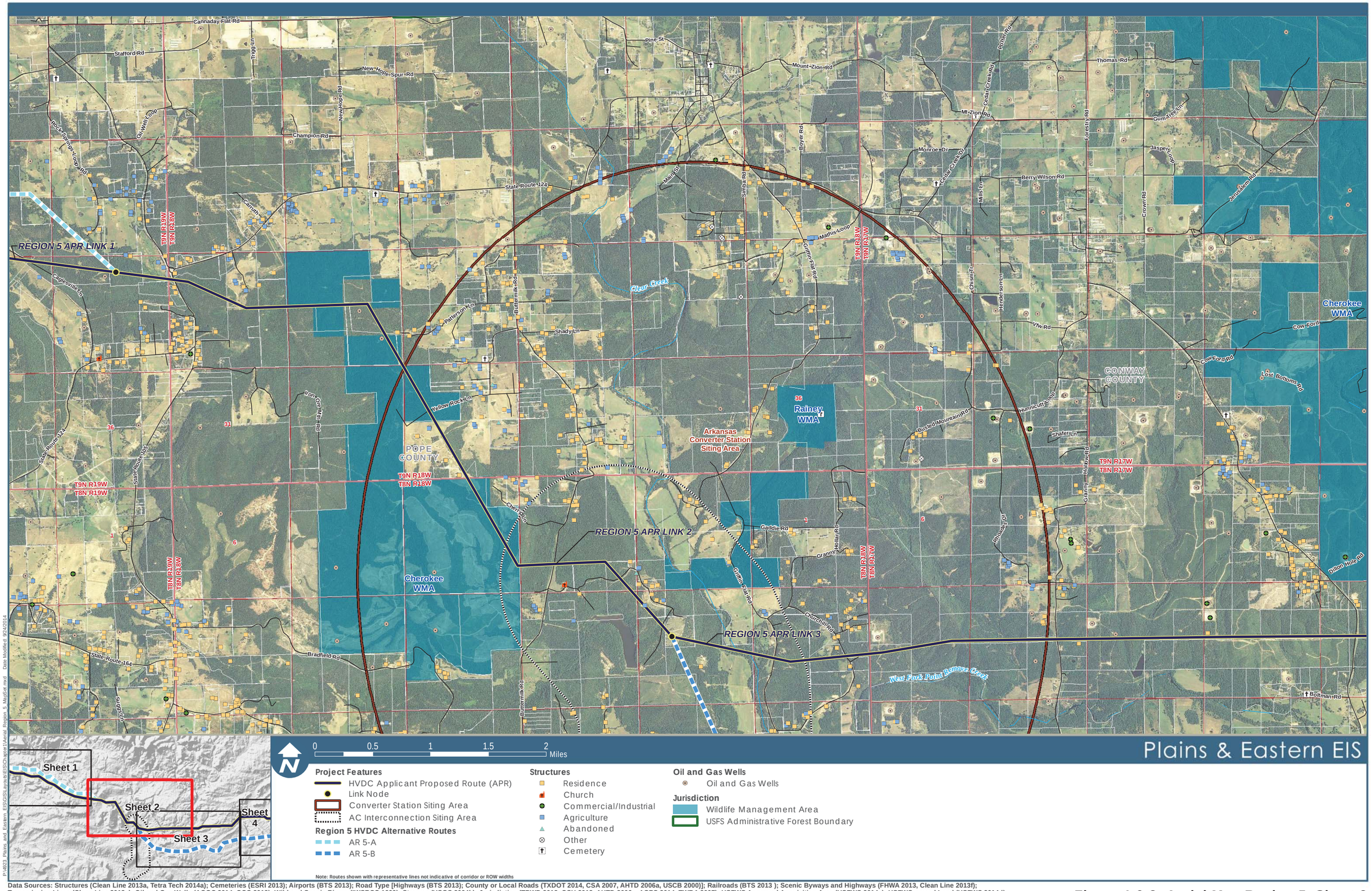

**Figure 1.0-2: Aerial Map Index Region 5**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

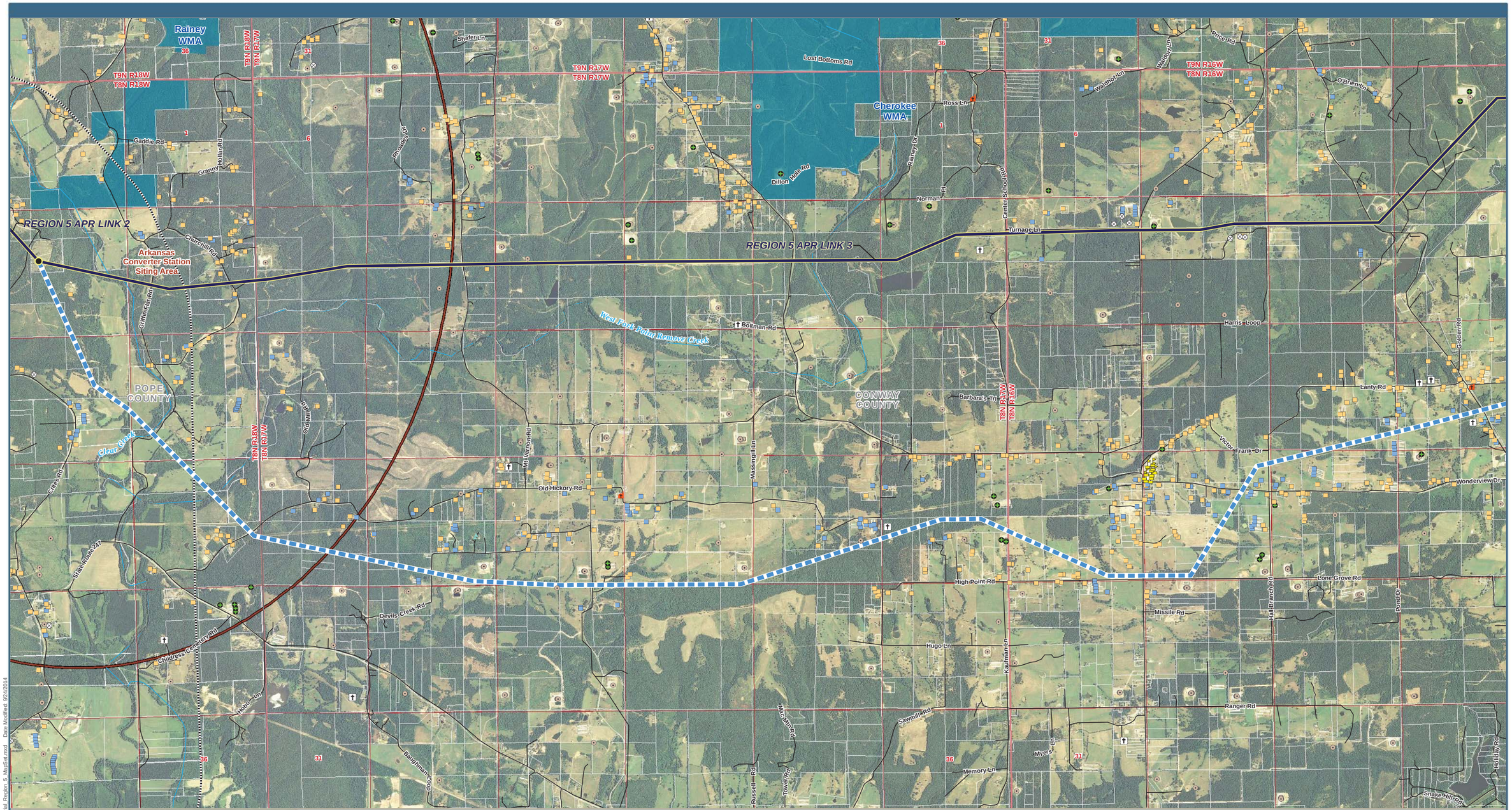
**Figure 1.0-2: Aerial Map Region 5, Sheet 1**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

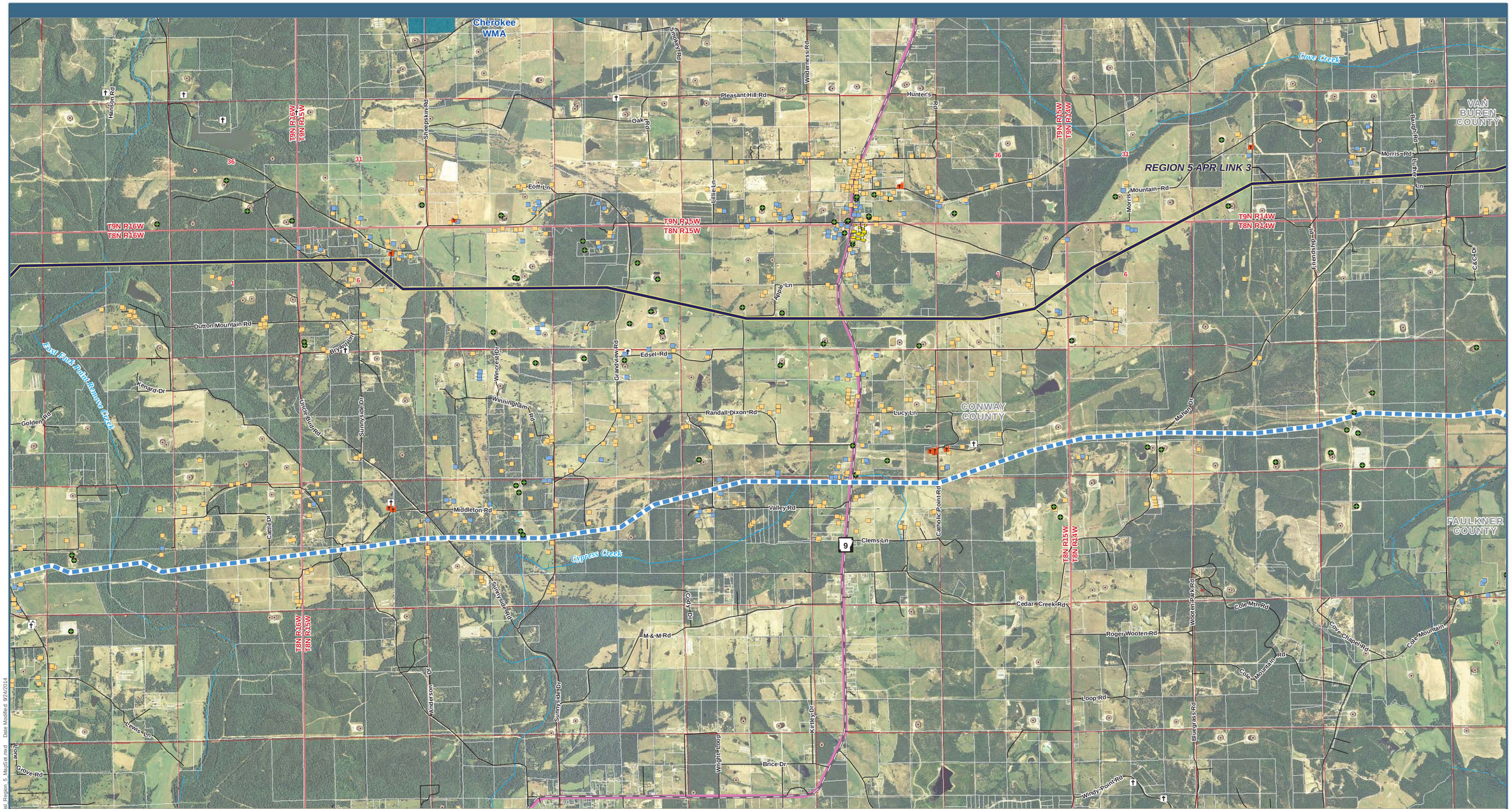
**Figure 1.0-2: Aerial Map Region 5, Sheet 2**

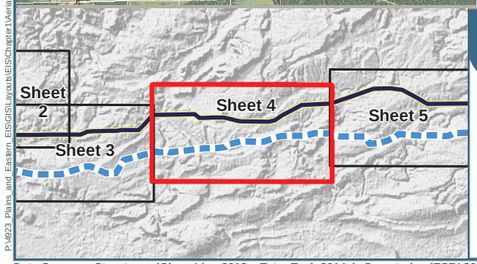



Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

**Figure 1.0-2: Aerial Map Region 5, Sheet 3**




0 0.5 1 1.5 2 Miles

Plains & Eastern EIS

**Project Features**
- HVDC Applicant Proposed Route (APR)

**Region 5 HVDC Alternative Routes**
- AR 5-B

**Structures**
- Residence
- School
- Church
- Commercial/Industrial
- Agriculture
- Abandoned
- Cemetery

**Oil and Gas Wells**
- Oil and Gas Wells

**Scenic Byways and Highways**
- State Scenic Highway

**Jurisdiction**
- City/County/Local Park
- Wildlife Management Area

Note: Routes shown with representative lines not indicative of corridor or ROW widths

Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

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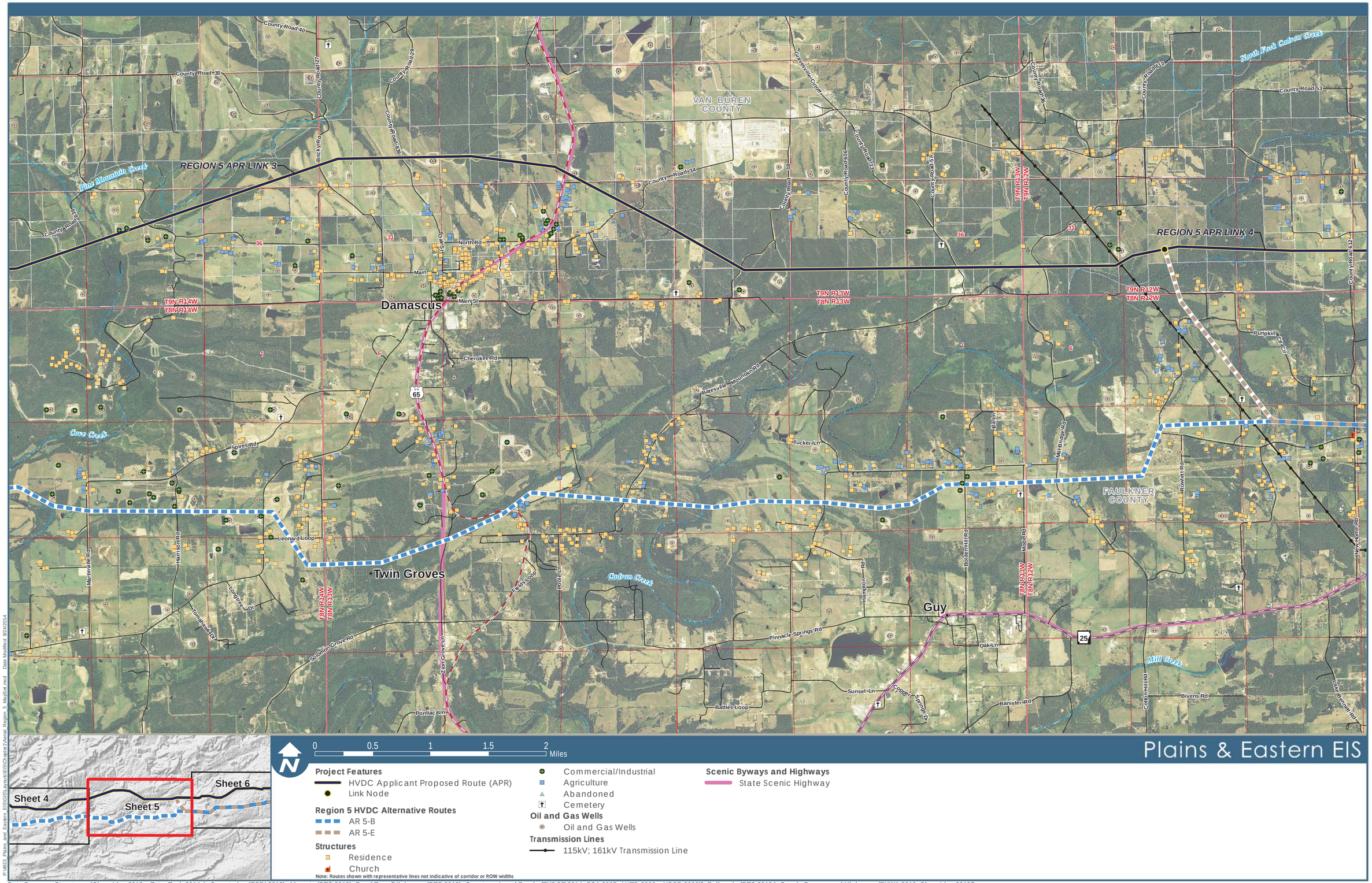
**Figure 1.0-2: Aerial Map Region 5, Sheet 4**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

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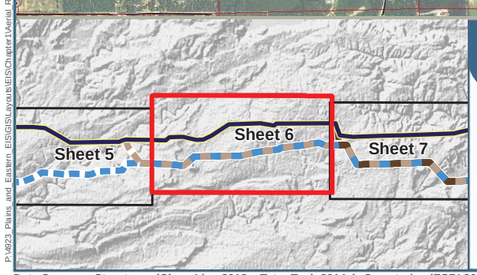
**Figure 1.0-2: Aerial Map Region 5, Sheet 5**




0 0.5 1 1.5 2 Miles

Plains & Eastern EIS

**Project Features**
- HVDC Applicant Proposed Route (APR)

**Region 5 HVDC Alternative Routes**
- AR 5-B
- AR 5-E

**Structures**
- Residence
- Church
- Commercial/Industrial
- Agriculture
- Abandoned
- Cemetery

**Oil and Gas Wells**
- Oil and Gas Wells

**Transmission Lines**
- 115kV; 161kV Transmission Line
- 138kV Transmission Line

**Scenic Byways and Highways**
- State Scenic Highway

**Jurisdiction**
- City/County/Local Park

Note: Routes shown with representative lines not indicative of corridor or ROW widths

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Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

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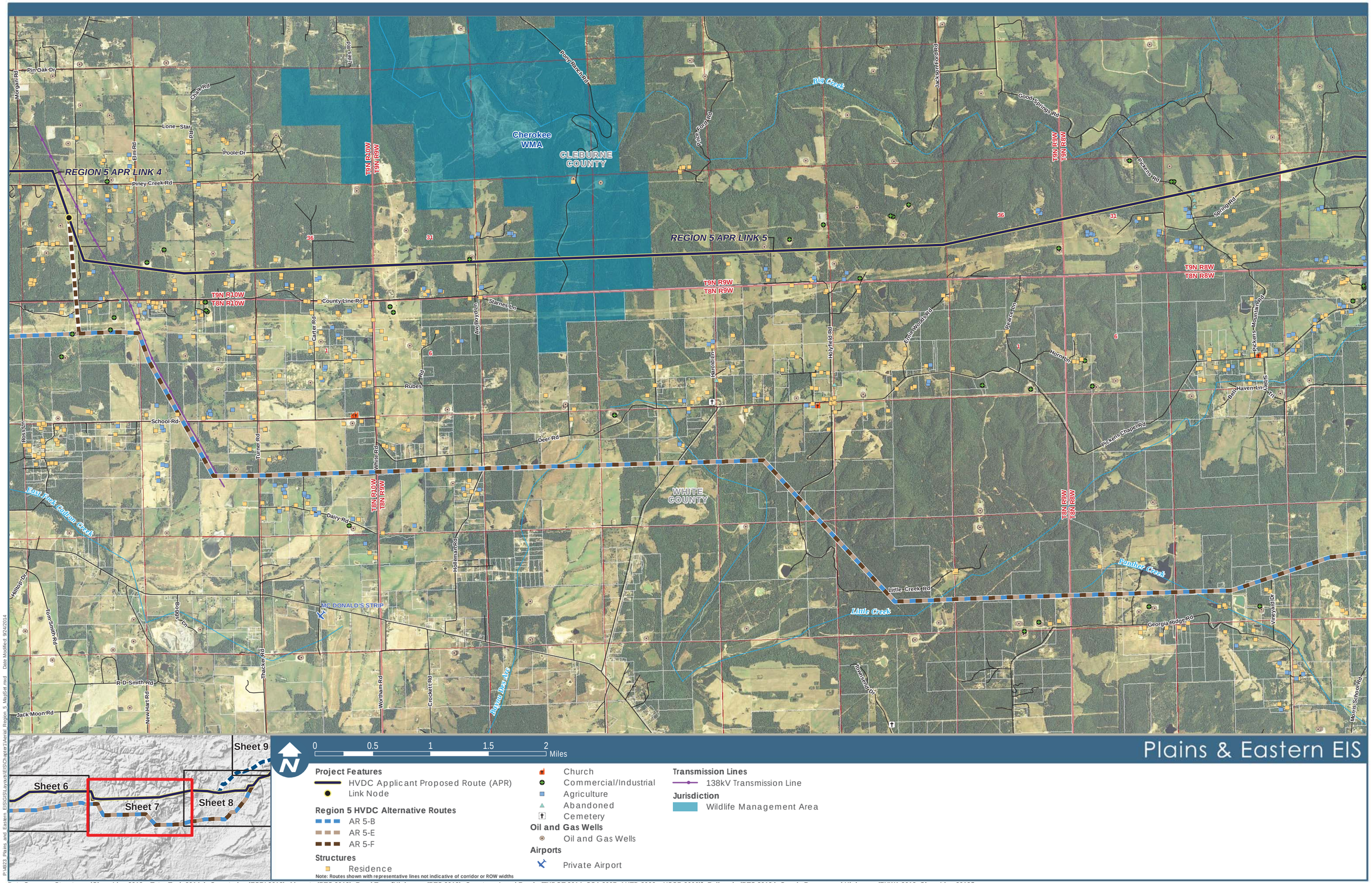
**Figure 1.0-2: Aerial Map Region 5, Sheet 6**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

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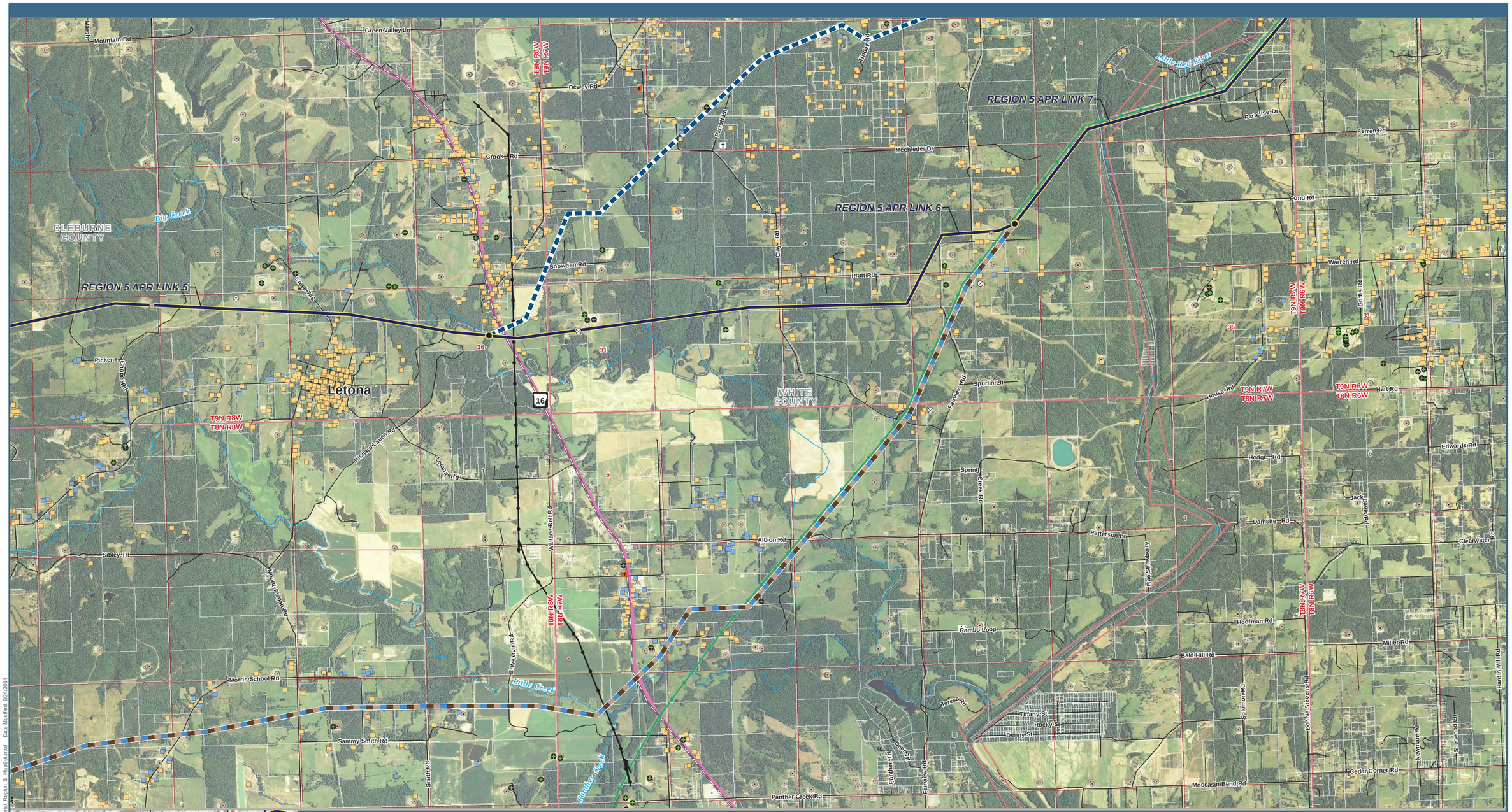
**Figure 1.0-2: Aerial Map Region 5, Sheet 7**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

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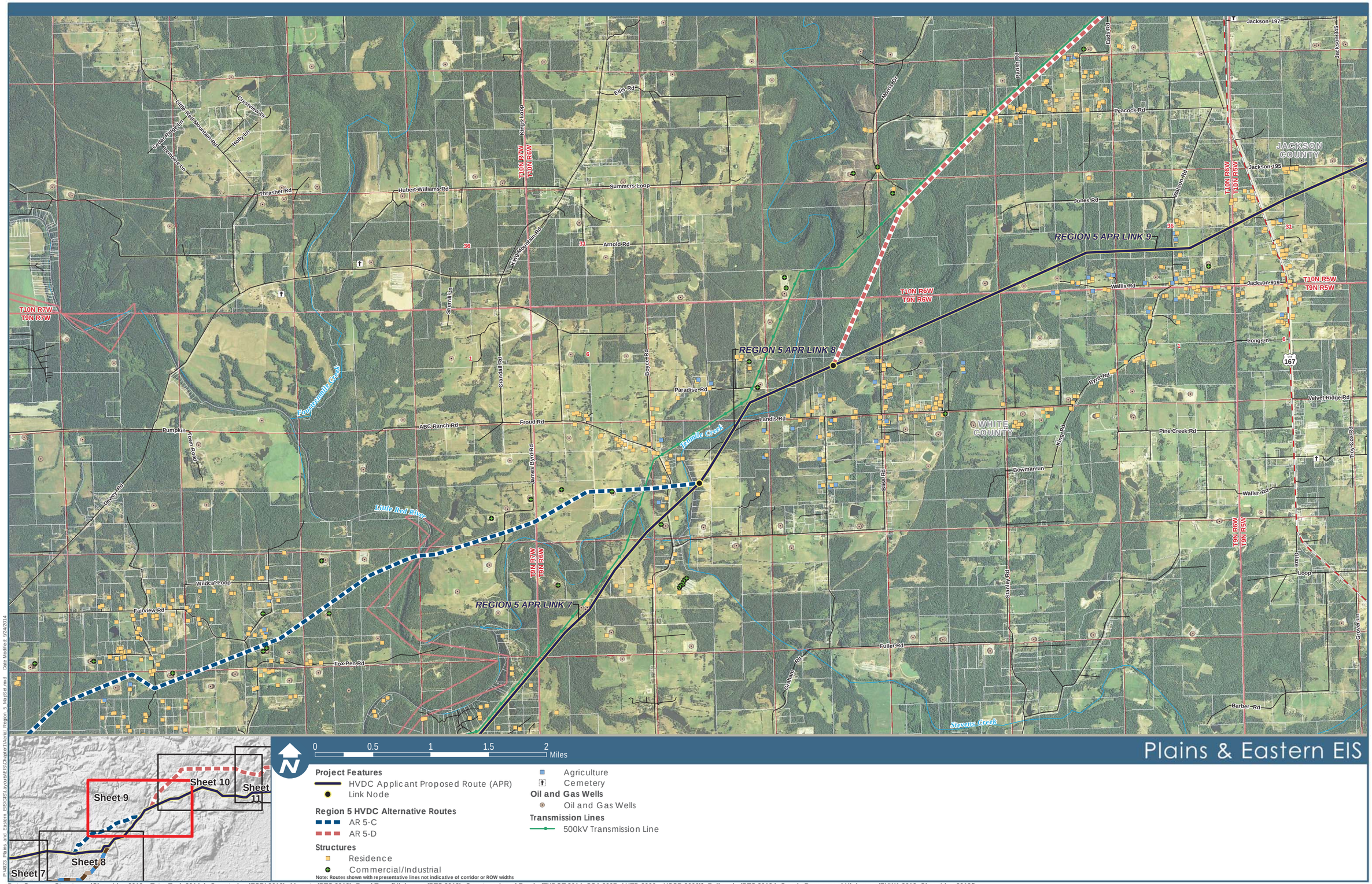
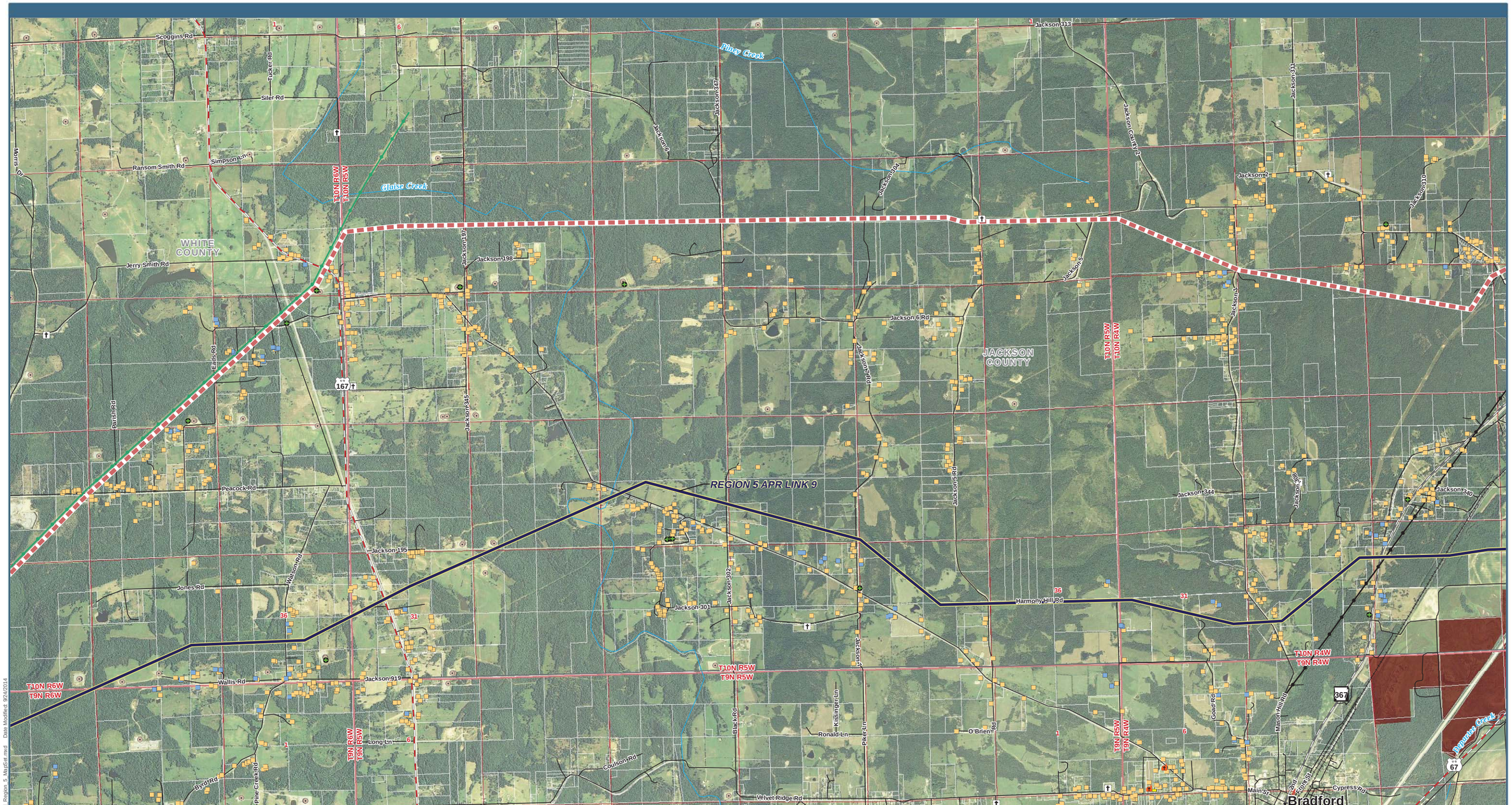
**Figure 1.0-2: Aerial Map Region 5, Sheet 8**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

**Figure 1.0-2: Aerial Map Region 5, Sheet 9**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

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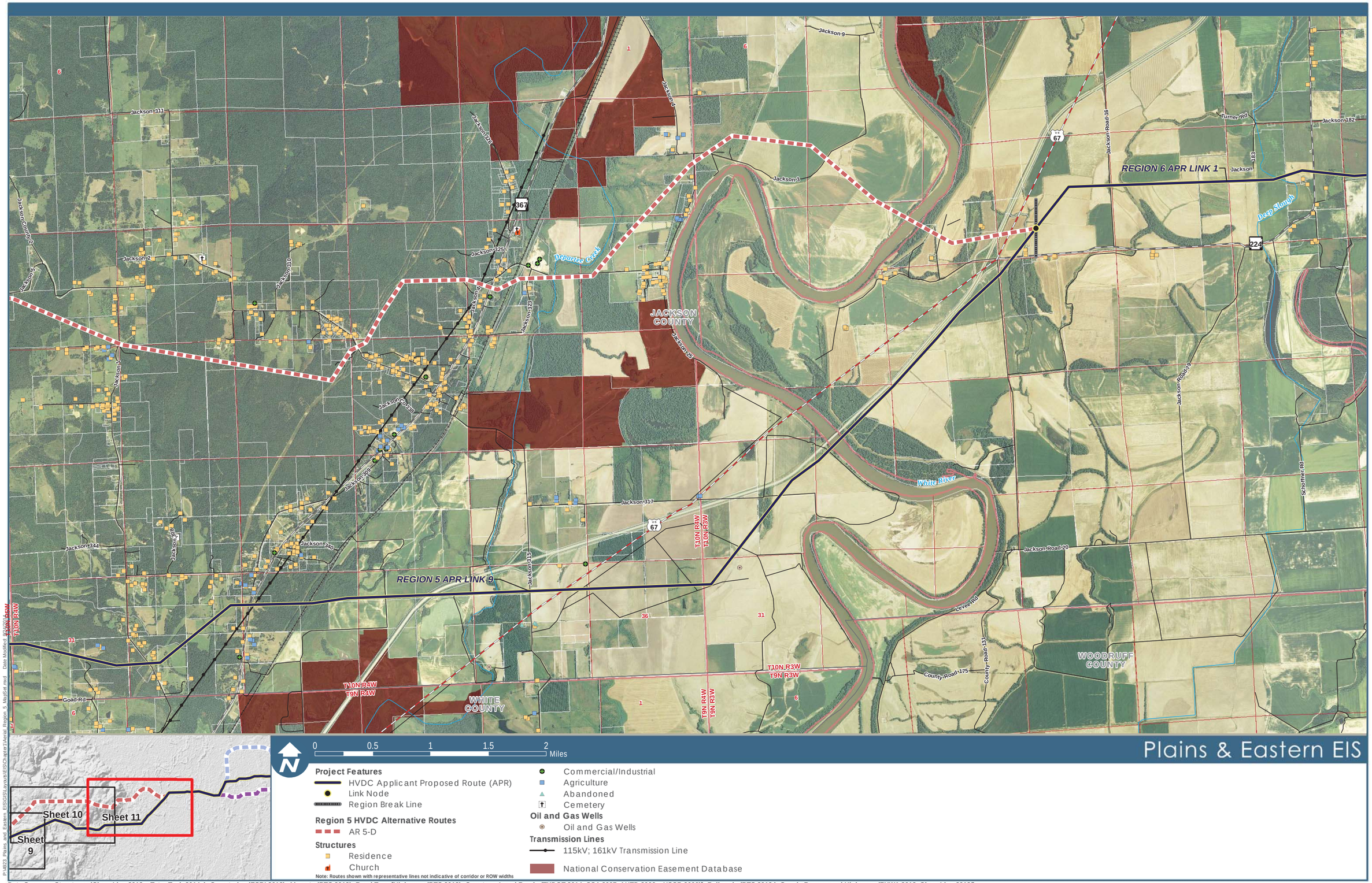
**Figure 1.0-2: Aerial Map Region 5, Sheet 10**




Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013 ); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission Lines (Clean Line 2013c); Oil and Gas Wells (AOGC 2014, OCC 2013); Wild and Scenic Rivers (IWSRCC 1999); Streams (USGS 2004b); Jurisdiction (TPWD 2012, OSU 2013, AHTD 2006c, AGFC 2014, TWRA 2007); USFWS Approved Acquisition Area (USFWS 2014c); USFWS-owned Land (USFWS 2014d); USFS Administrative Forest Boundary (USFS 2014a); USFS-owned Land (USFS 2014c); Wilderness Area (USFS 2014b); The Nature Conservancy (TNC 2013); National Conservation Easement Database (NCED 2014); Historic Trails (NPS 2013); Aerial Photography (NAIP 2012a, NAIP 2012b, NAIP 2013a, NAIP 2013b)*

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**Figure 1.0-2: Aerial Map Region 5, Sheet 11**

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