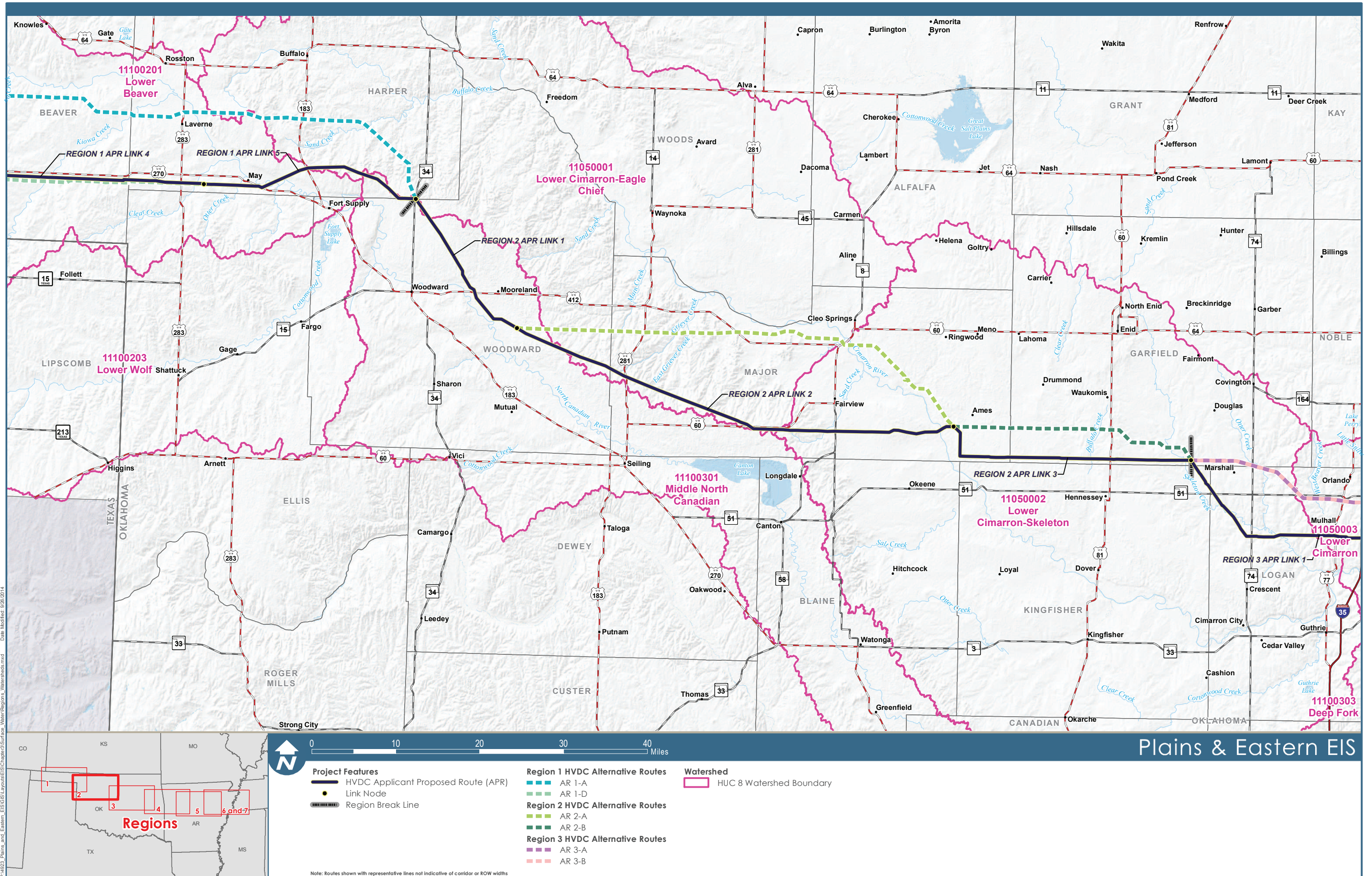
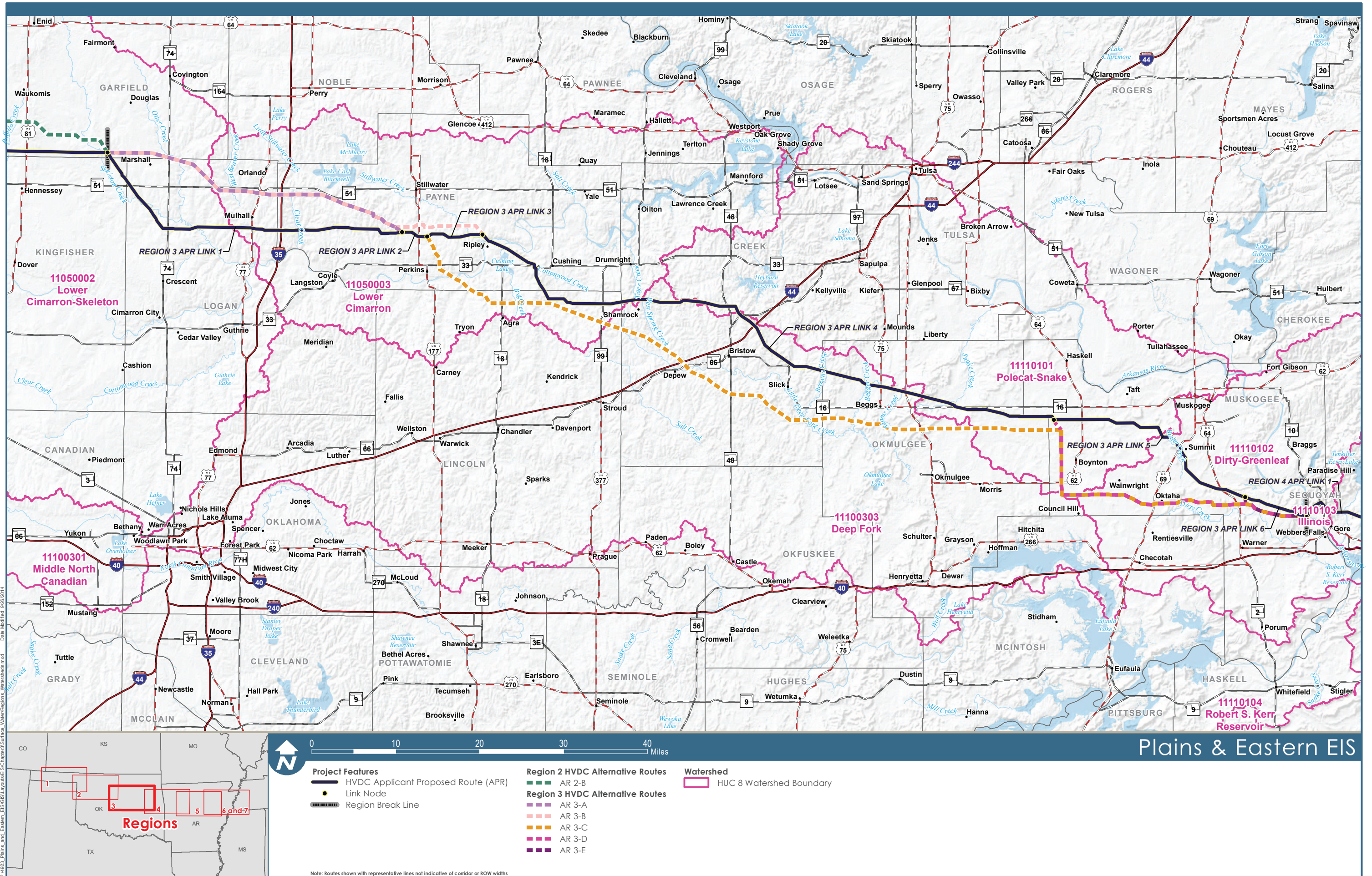


Figure 3.15-1a: Watersheds in Region 1



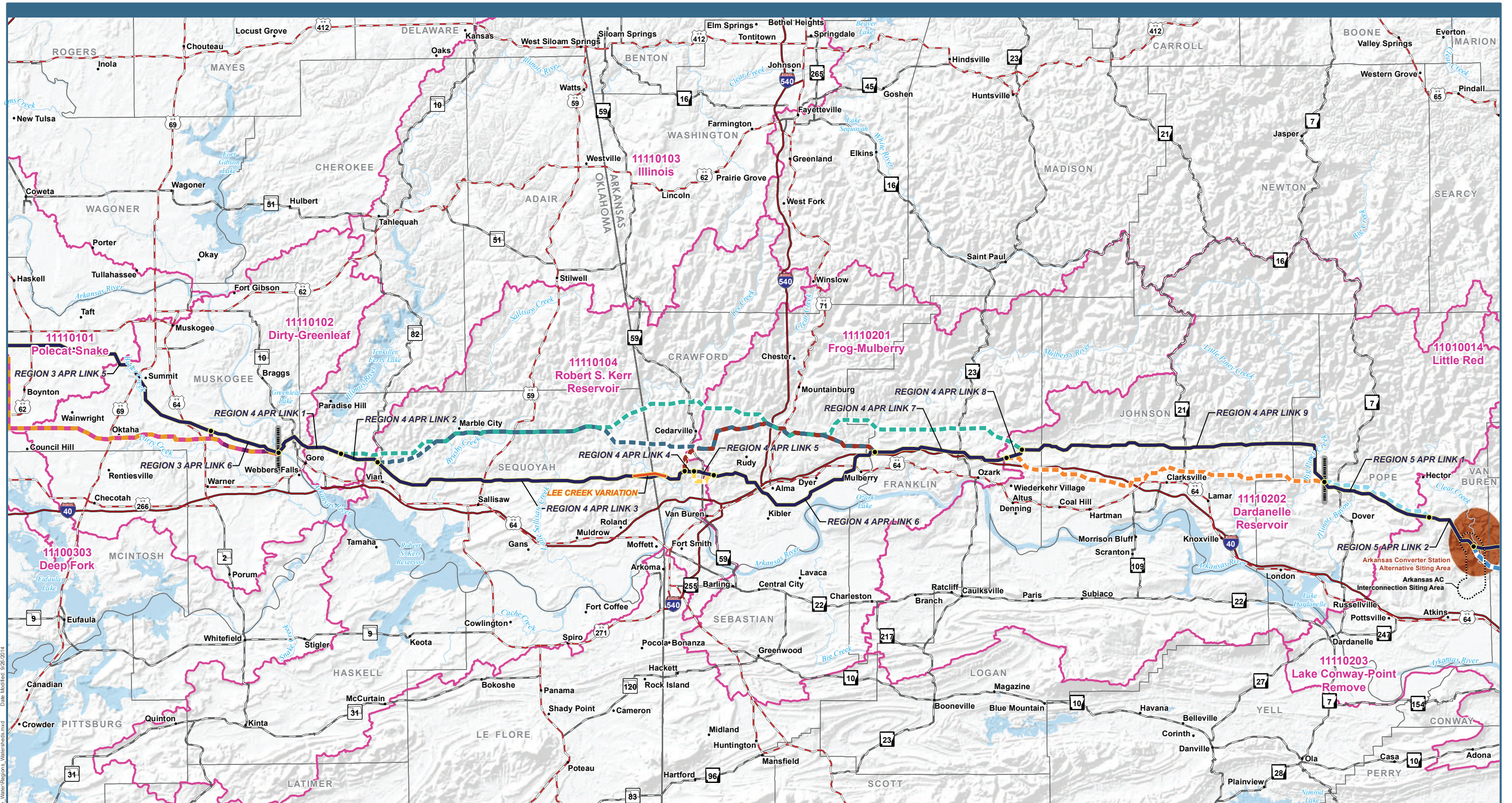
P:\4823_Plains_and_Eastern_EIS\GIS\Layouts\EIS\Chapter3\Surface_Water\Regions_Watersheds.mxd Date Modified: 9/26/2014

Data Sources: Watershed (USGS 2014)

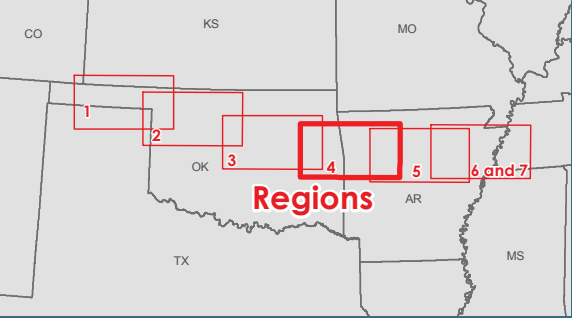


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Figure 3.15-1c: Watersheds in Region 3



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 Date Modified: 9/26/2014



Project Features

- HVDC Applicant Proposed Route (APR)
- Link Node
- Region Break Line
- Converter Station Siting Area
- Lee Creek Variation
- AC Interconnection Siting Area

Region 3 HVDC Alternative Routes

- AR 3-C
- AR 3-D
- AR 3-E

Region 4 HVDC Alternative Routes

- AR 4-A
- AR 4-B
- AR 4-C
- AR 4-D
- AR 4-E

Region 5 HVDC Alternative Routes

- AR 5-A
- AR 5-B

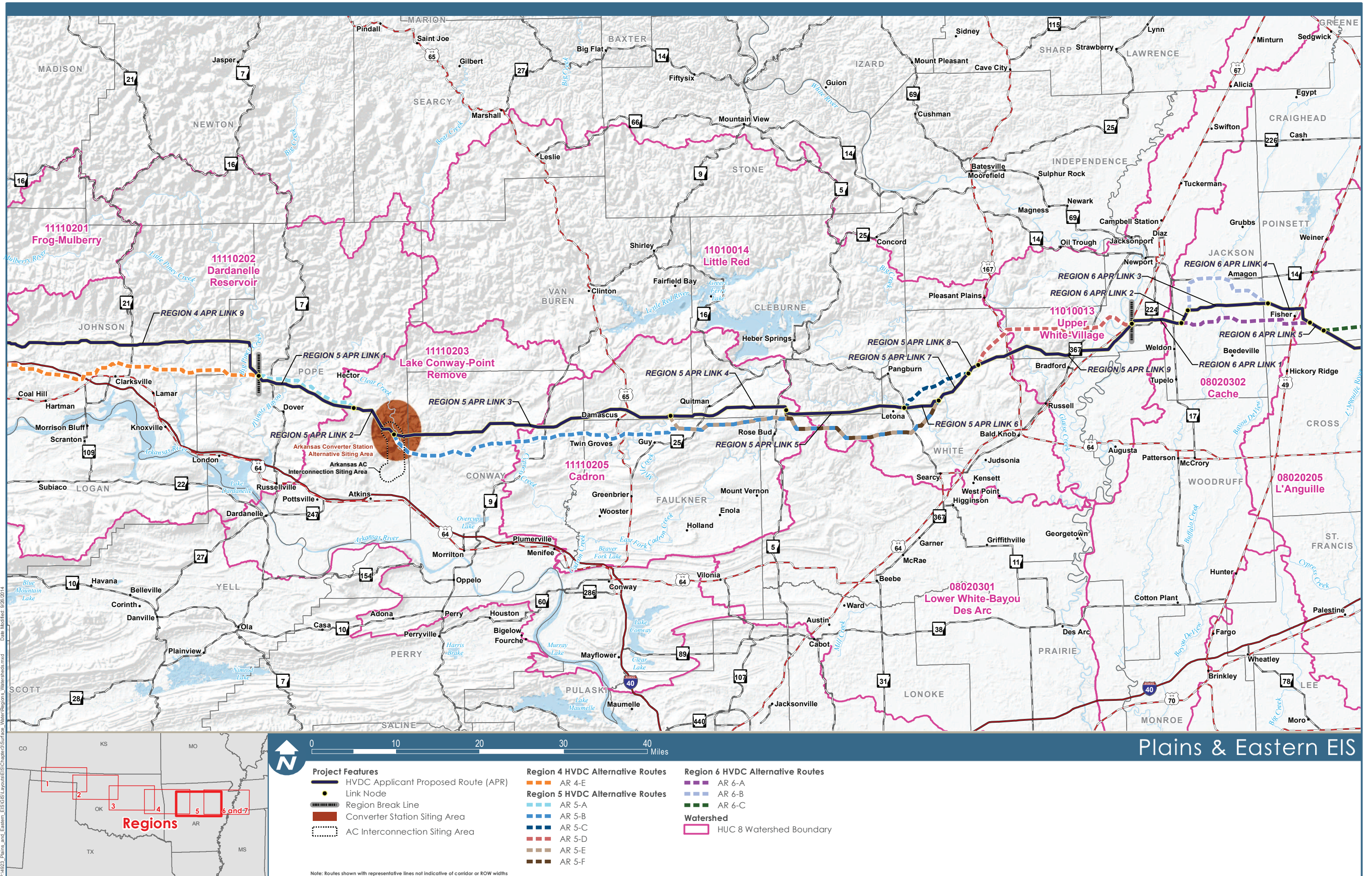
Watershed

- HUC 8 Watershed Boundary

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

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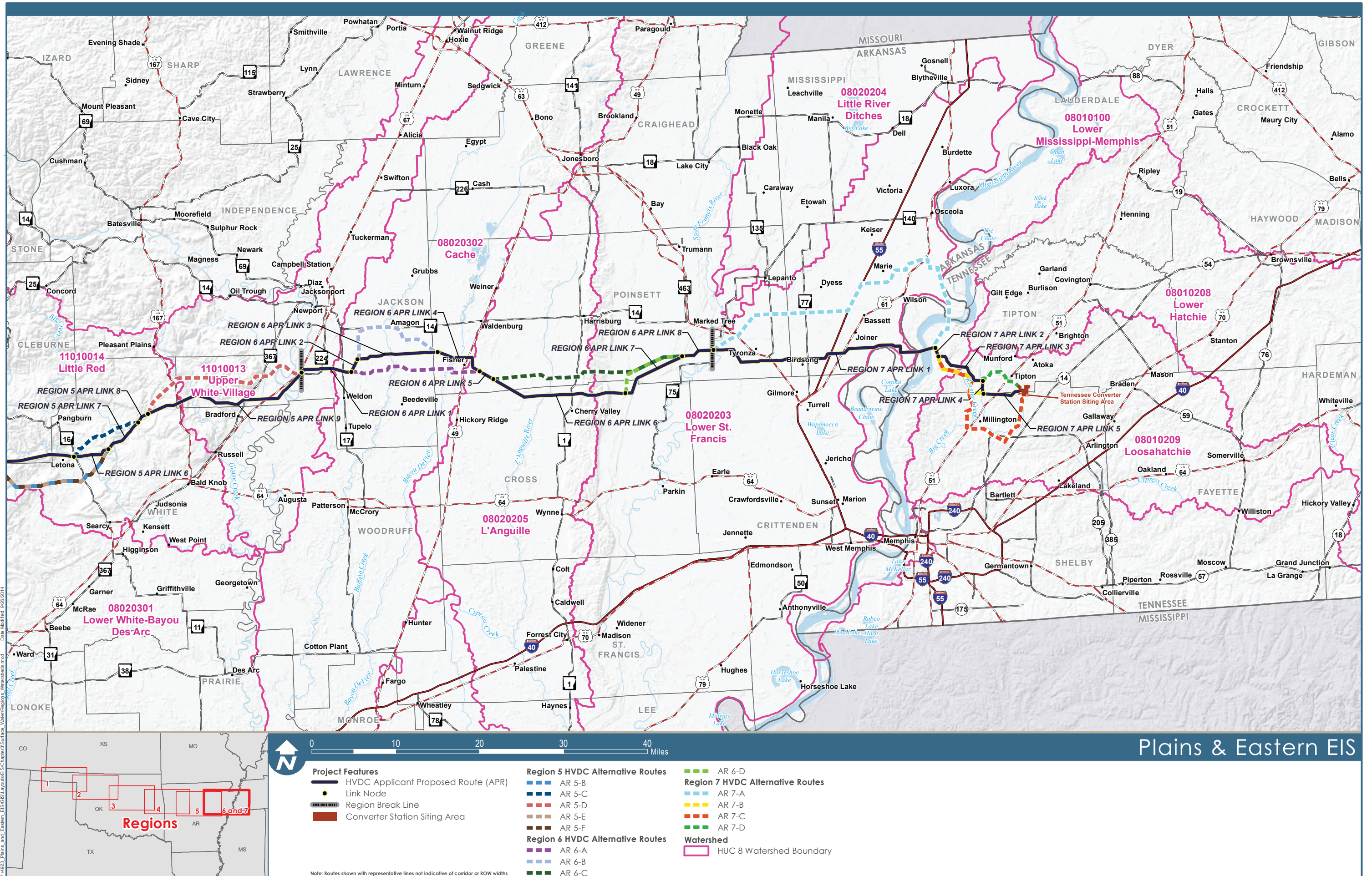
Figure 3.15-1d: Watersheds in Region 4



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 Date Modified: 9/26/2014

Data Sources: Watershed (USGS 2014)

Figure 3.15-1e: Watersheds in Region 5

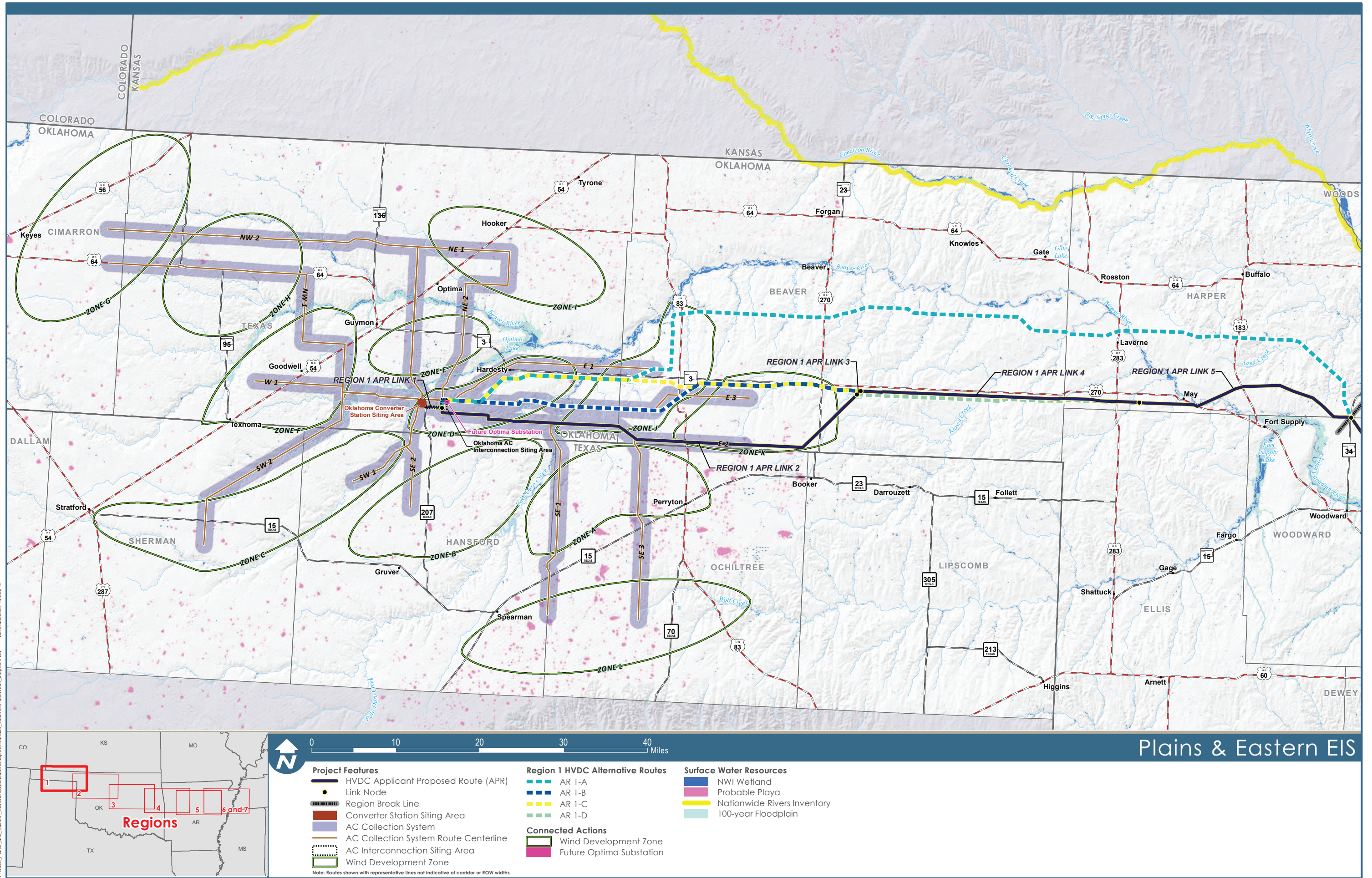


P:\4823_Plains_and_Eastern_EIS\GIS\Layouts\EIS\Chapter3\Surface_Water\Regions_Watersheds.mxd
 Date Modified: 9/26/2014

Data Sources: Watershed (USGS 2014)

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Figure 3.15-1f: Watersheds in Regions 6 & 7



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0 10 20 30 40 Miles

<p>Project Features</p> <ul style="list-style-type: none"> HVDC Applicant Proposed Route (APR) Link Node Region Break Line Converter Station Siting Area AC Collection System AC Collection System Route Centerline AC Interconnection Siting Area Wind Development Zone 	<p>Region 1 HVDC Alternative Routes</p> <ul style="list-style-type: none"> AR 1-A AR 1-B AR 1-C AR 1-D <p>Connected Actions</p> <ul style="list-style-type: none"> Wind Development Zone Future Optima Substation 	<p>Surface Water Resources</p> <ul style="list-style-type: none"> NWI Wetland Probable Playa Nationwide Rivers Inventory 100-year Floodplain
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Note: Routes shown with representative lines not indicative of corridor or ROW widths

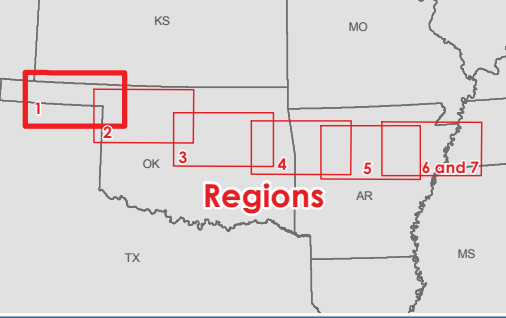


Figure 3.15-2a: Surface Water in Region 1

Data Sources: Surface Water Resources [NWI Wetland (USFWS 2014g); Probable Playa (PLJV 2011); Nationwide Rivers Inventory (USGS 1996); Wild and Scenic River (IWSRCC 1999); 100-year Floodplain (FEMA 2014)]

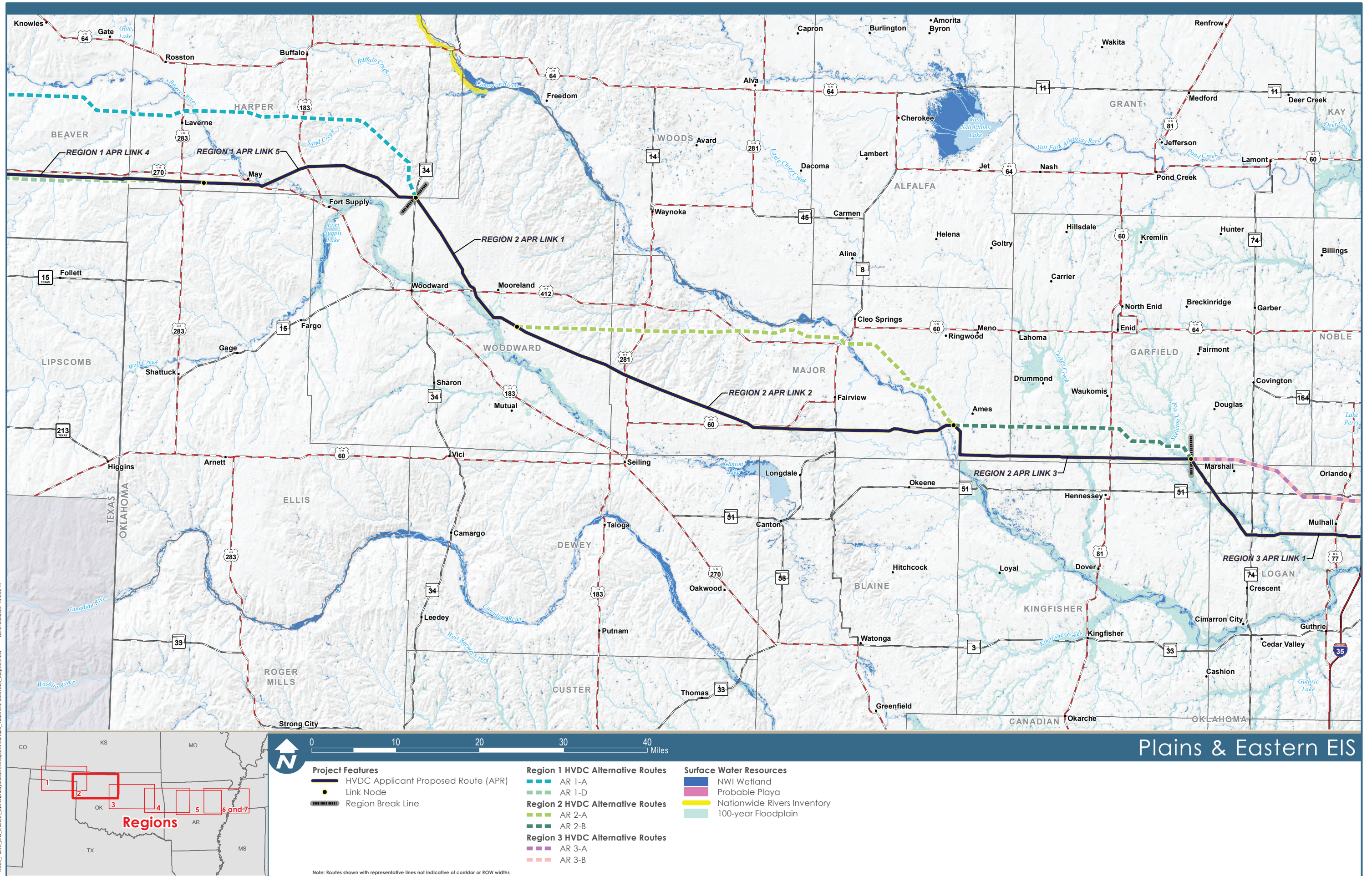
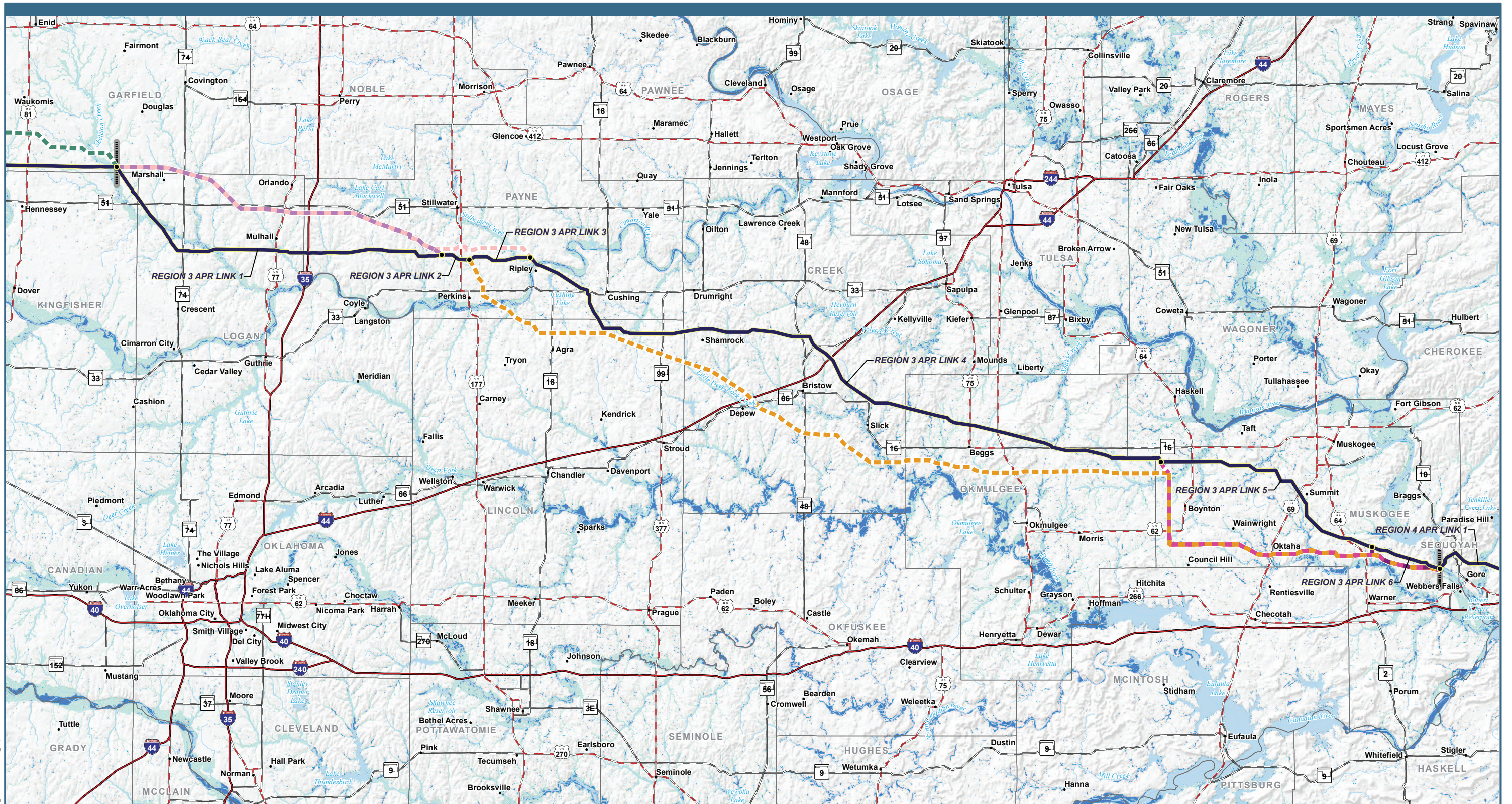
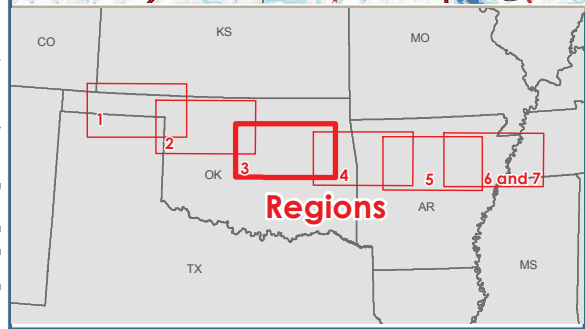


Figure 3.15-2b: Surface Water in Region 2



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 Date Modified: 10/2/2014



- Project Features**
- HVDC Applicant Proposed Route (APR)
 - Link Node
 - Region Break Line
- Region 2 HVDC Alternative Routes**
- AR 2-B
- Region 3 HVDC Alternative Routes**
- AR 3-A
 - AR 3-B
 - AR 3-C
 - AR 3-D
 - AR 3-E

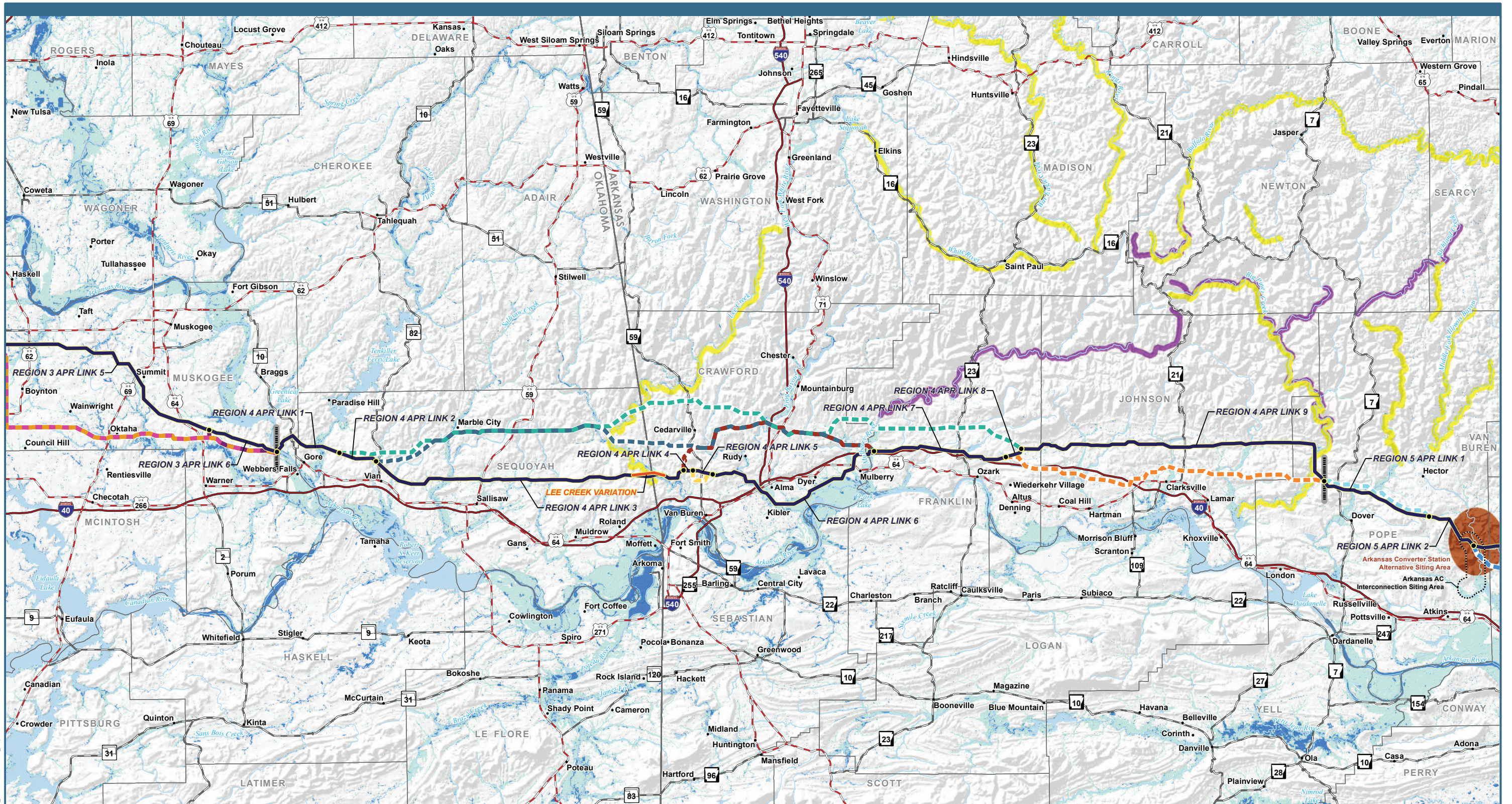
- Surface Water Resources**
- NWI Wetland
 - 100-year Floodplain

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

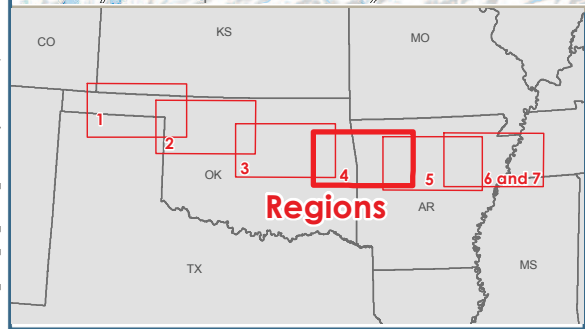
Data Sources: Surface Water Resources [NWI Wetland (USFWS 2014g); Probable Playa (PLJV 2011); Nationwide Rivers Inventory (USGS 1996); Wild and Scenic River (IWSRCC 1999); 100-year Floodplain (FEMA 2014)]

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Figure 3.15-2c: Surface Water in Region 3



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 Date Modified: 10/22/2014



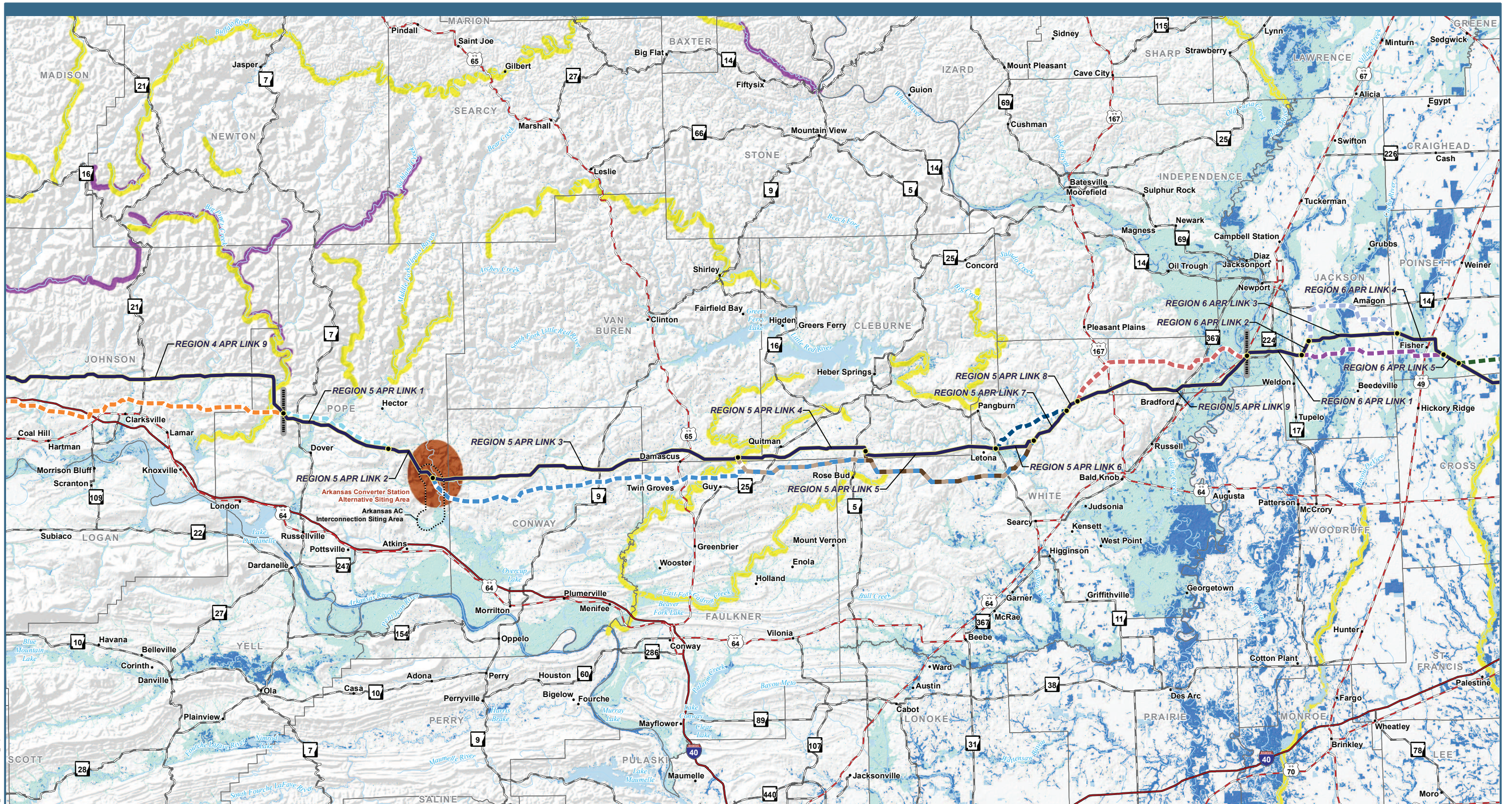
Plains & Eastern EIS

<p>Project Features</p> <ul style="list-style-type: none"> HVDC Applicant Proposed Route (APR) Link Node Region Break Line Converter Station Siting Area Lee Creek Variation AC Interconnection Siting Area 	<p>Region 3 HVDC Alternative Routes</p> <ul style="list-style-type: none"> AR 3-C AR 3-D AR 3-E <p>Region 4 HVDC Alternative Routes</p> <ul style="list-style-type: none"> AR 4-A AR 4-B AR 4-C AR 4-D AR 4-E 	<p>Region 5 HVDC Alternative Routes</p> <ul style="list-style-type: none"> AR 5-A AR 5-B <p>Surface Water Resources</p> <ul style="list-style-type: none"> NWI Wetland Nationwide Rivers Inventory 100-year Floodplain <p>Wild and Scenic Rivers</p> <ul style="list-style-type: none"> Wild and Scenic River
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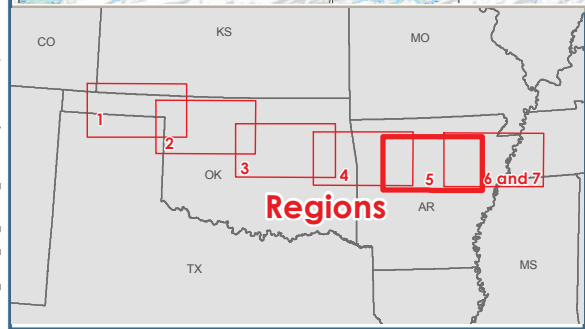
Note: Routes shown with representative lines not indicative of corridor or ROW widths

Data Sources: Surface Water Resources [NWI Wetland (USFWS 2014g); Probable Playa (PLJV 2011); Nationwide Rivers Inventory (USGS 1996); Wild and Scenic River (IWSRCC 1999); 100-year Floodplain (FEMA 2014)]

Figure 3.15-2d: Surface Water in Region 4



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 Date Modified: 10/22/2014



0 10 20 30 40 Miles

Project Features

- HVDC Applicant Proposed Route (APR)
- Link Node
- Region Break Line
- Converter Station Siting Area
- ⋯ AC Interconnection Siting Area

Region 4 HVDC Alternative Routes

- AR 4-E

Region 5 HVDC Alternative Routes

- AR 5-A
- AR 5-B
- AR 5-C
- AR 5-D
- AR 5-E
- AR 5-F

Region 6 HVDC Alternative Routes

- AR 6-A
- AR 6-B
- AR 6-C

Surface Water Resources

- NWI Wetland
- Nationwide Rivers Inventory
- 100-year Floodplain

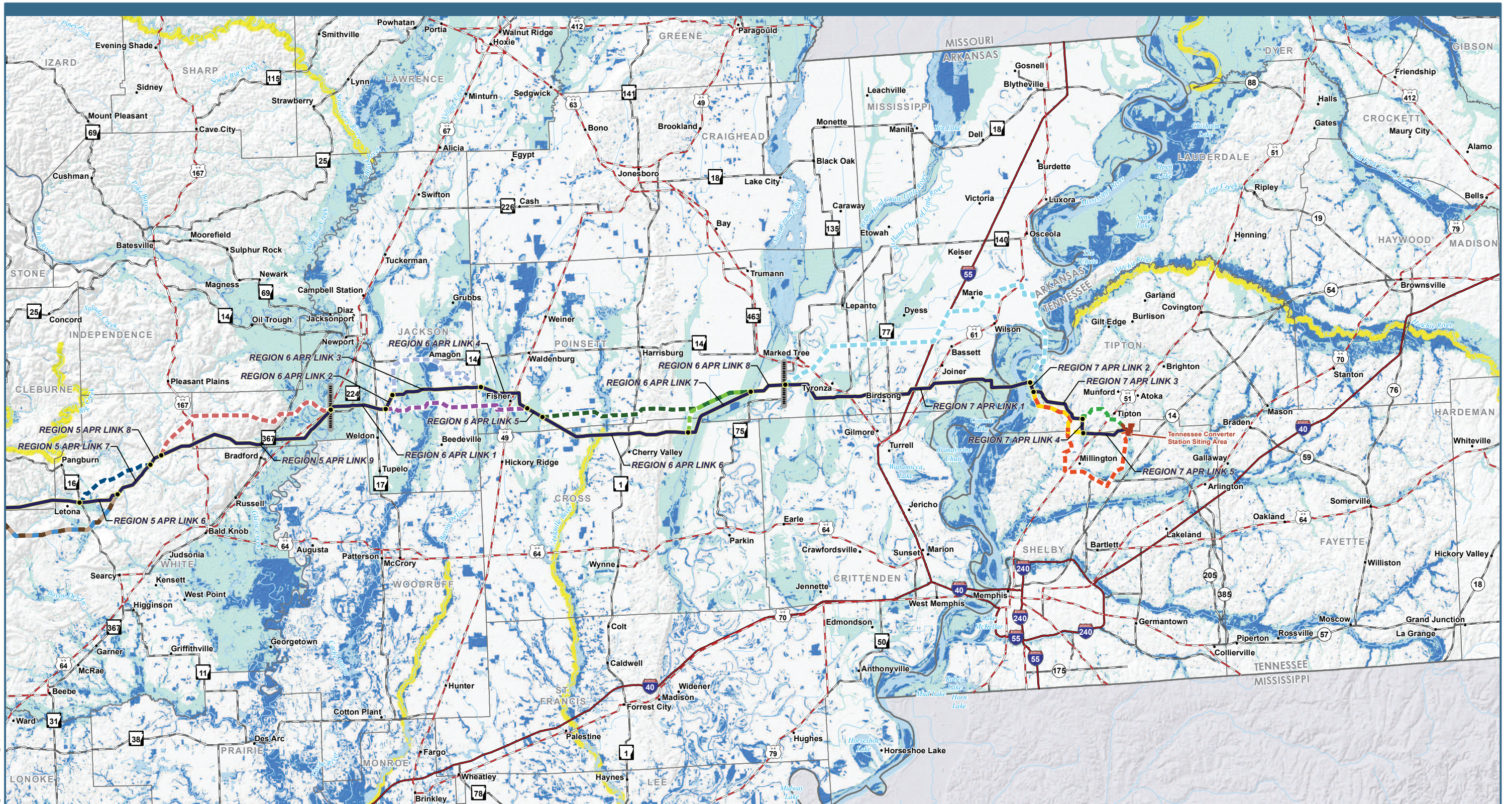
Wild and Scenic Rivers

- Wild and Scenic River

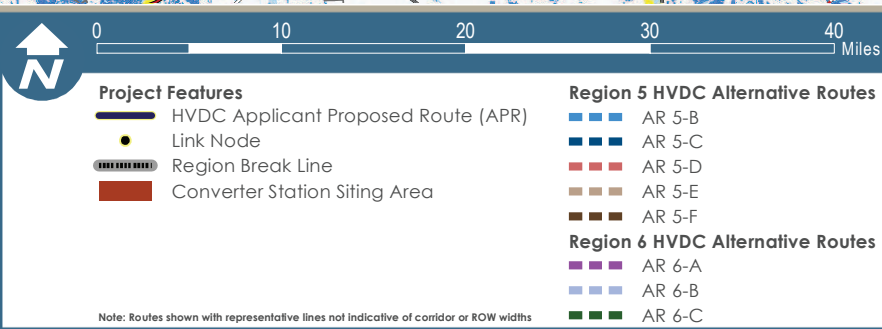
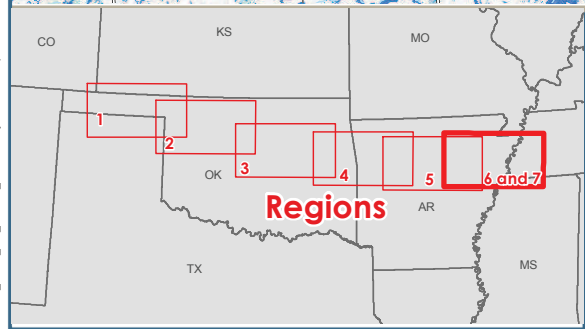
Note: Routes shown with representative lines not indicative of corridor or ROW widths

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Figure 3.15-2e: Surface Water in Region 5



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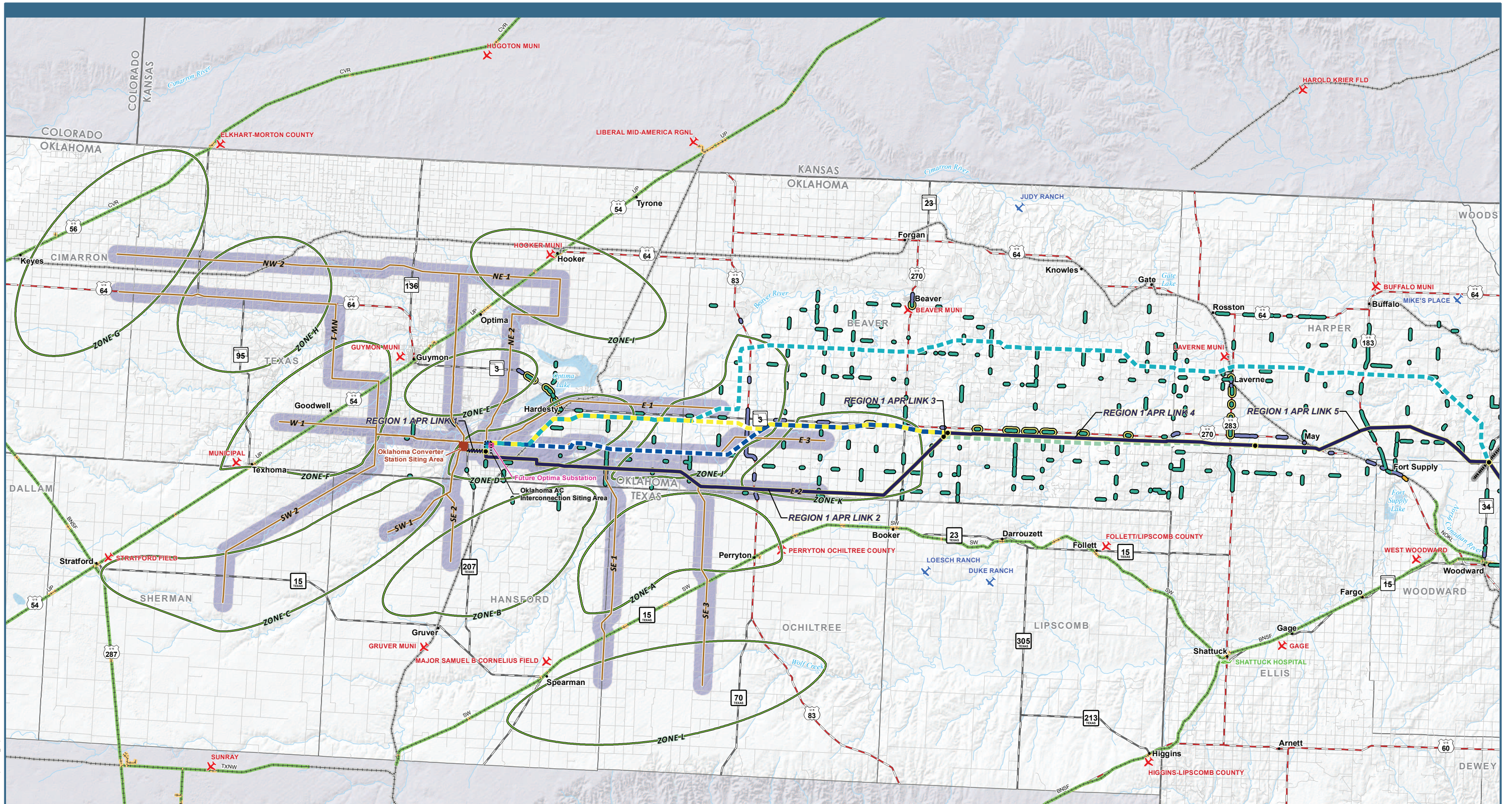
- | | | | | | |
|-------------------------|-------------------------------------|---|---|---|-----------------------------|
| Project Features | | Region 5 HVDC Alternative Routes | | AR 6-D | |
| | HVDC Applicant Proposed Route (APR) | | AR 5-B | Region 7 HVDC Alternative Routes | |
| | Link Node | | AR 5-C | | AR 7-A |
| | Region Break Line | | AR 5-D | | AR 7-B |
| | Converter Station Siting Area | | AR 5-E | | AR 7-C |
| | | | AR 5-F | | AR 7-D |
| | | | Region 6 HVDC Alternative Routes | Surface Water Resources | |
| | | | AR 6-A | | NWI Wetland |
| | | | AR 6-B | | Nationwide Rivers Inventory |
| | | | AR 6-C | | 100-year Floodplain |

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

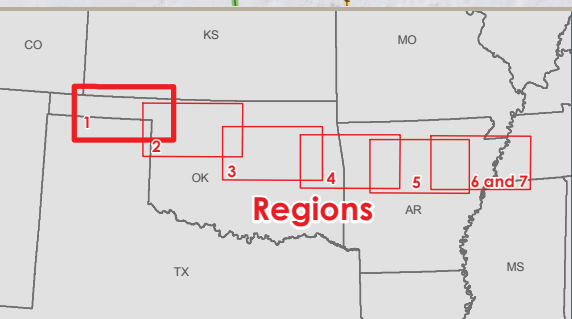
Plains & Eastern EIS

Data Sources: Surface Water Resources [NWI Wetland (USFWS 2014g); Probable Playa (PLJV 2011); Nationwide Rivers Inventory (USGS 1996); Wild and Scenic River (IWSRCC 1999); 100-year Floodplain (FEMA 2014)]

Figure 3.15-2f: Surface Water in Regions 6 & 7



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0 10 20 30 40 Miles

Project Features

- HVDC Applicant Proposed Route (APR)
- Link Node
- Region Break Line
- Converter Station Siting Area
- AC Collection System
- AC Collection System Route Centerline
- AC Interconnection Siting Area

Connected Actions

- Wind Development Zone
- Future Optima Substation

Existing Level of Service Class

- A
- B
- C

Level of Service Decrease

- Decrease

Airports

- ✕ Public Airport
- ✕ Private Airport
- ✕ Heliport

Railroad

- Abandoned Track
- Main Network Track
- Non-main Active Track

Road Type

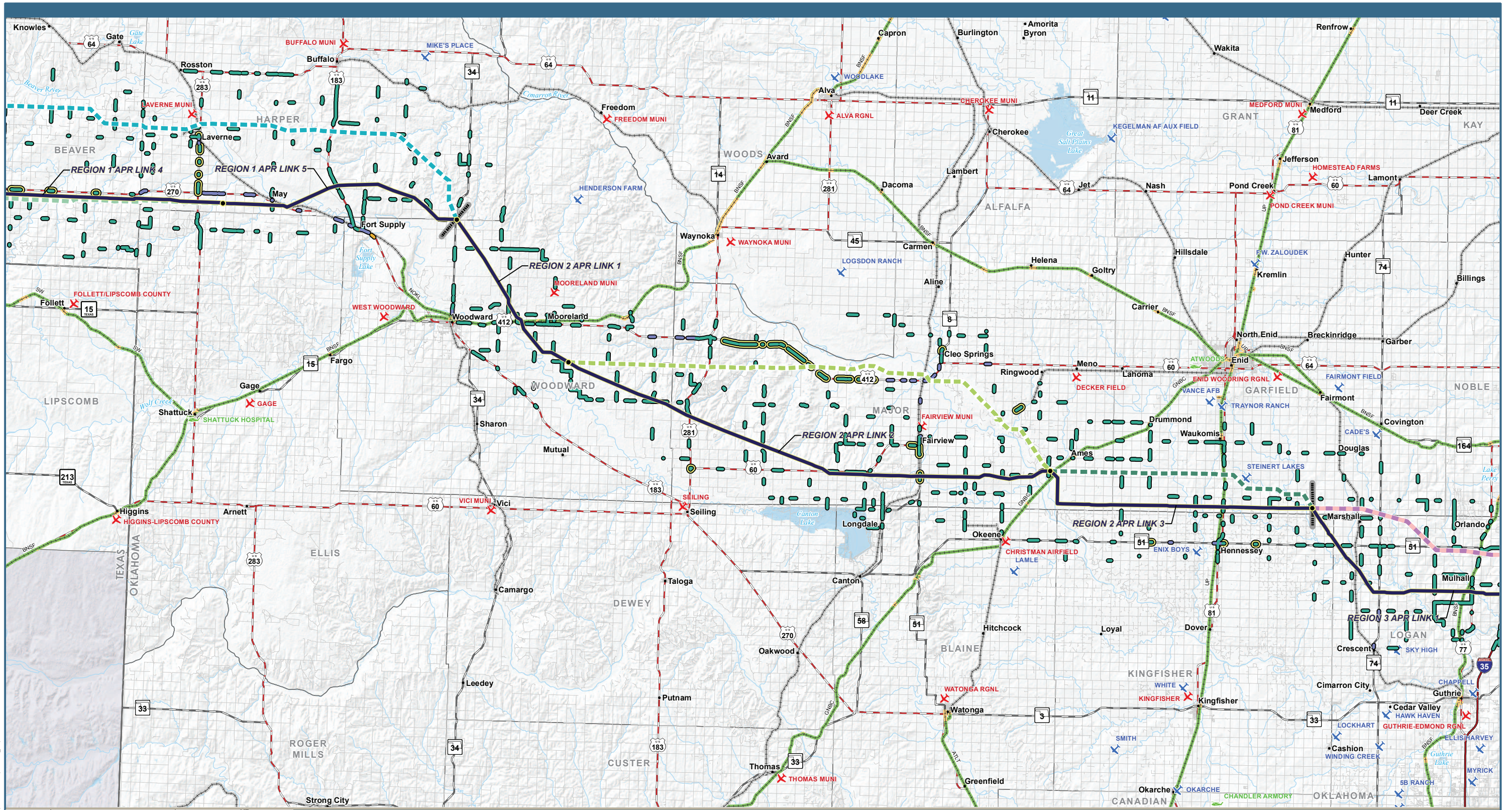
- U.S. Highway
- State Highway
- County or Local Road

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

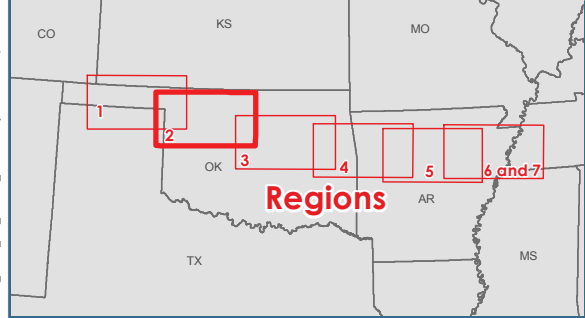
Plains & Eastern EIS

Data Sources: Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Existing Level of Service Class / Level of Service Decrease (Clean Line 2013g); Airports (BTS 2013); Railroad (BTS 2013); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f)

Figure 3.16-1a: Transportation Resources in Region 1



Plains & Eastern EIS



0 10 20 30 40 Miles

Project Features

- HVDC Applicant Proposed Route (APR)
- Link Node
- Region Break Line

Region 1 HVDC Alternative Routes

- AR 1-A
- AR 1-D

Region 2 HVDC Alternative Routes

- AR 2-A
- AR 2-B

Region 3 HVDC Alternative Routes

- AR 3-A
- AR 3-B

Existing Level of Service Class

- A
- B
- C

Level of Service Decrease

- Decrease

Airports

- Public Airport
- Private Airport
- Heliport

Railroad

- Abandoned Track
- Main Network Track
- Non-main Active Track

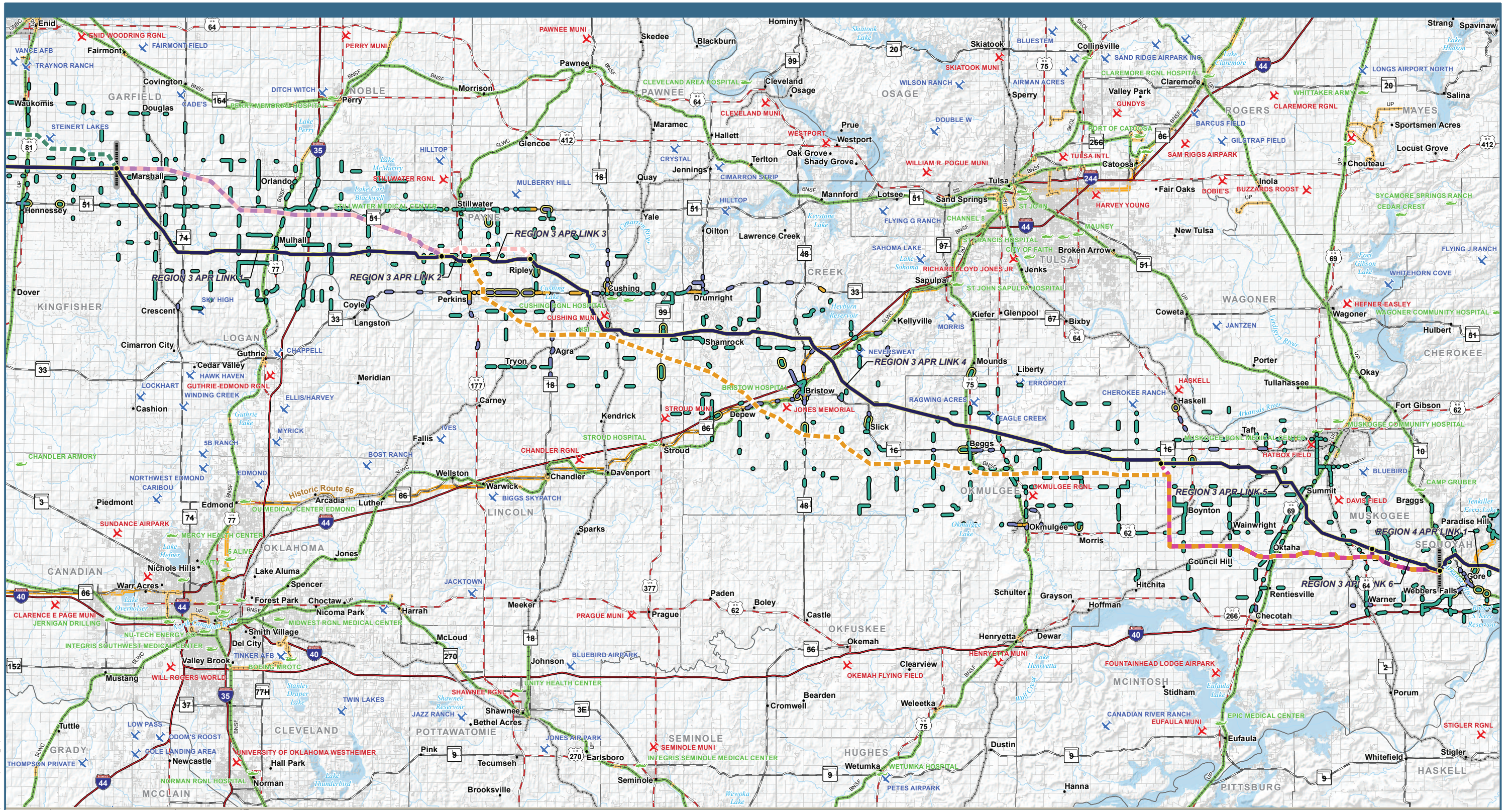
Road Type

- Interstate Highway
- U.S. Highway
- State Highway
- County or Local Road

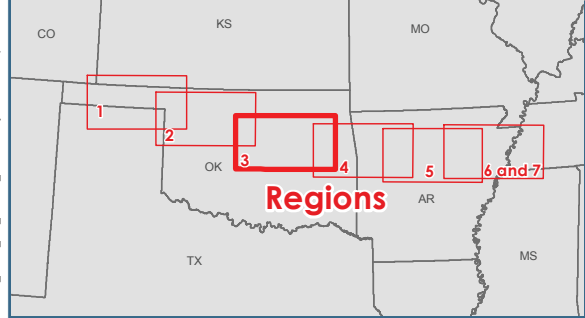
Note: Routes shown with representative lines not indicative of corridor or ROW widths

Data Sources: Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Existing Level of Service Class / Level of Service Decrease (Clean Line 2013g); Airports (BTS 2013); Railroad (BTS 2013); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f)

Figure 3.16-1b: Transportation Resources in Region 2



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0 10 20 30 40 Miles

Project Features

- HVDC Applicant Proposed Route (APR)
- Link Node
- Region Break Line

Region 2 HVDC Alternative Routes

- AR 2-B

Region 3 HVDC Alternative Routes

- AR 3-A
- AR 3-B
- AR 3-C
- AR 3-D
- AR 3-E

Existing Level of Service Class

- A
- B
- C

Level of Service Decrease

- Decrease

Airports

- ✕ Public Airport
- ✕ Private Airport
- ✕ Heliport

Railroad

- Abandoned Track
- Main Network Track
- Non-main Active Track

Road Type

- Interstate Highway
- U.S. Highway
- State Highway
- County or Local Road

Scenic Byways and Highways

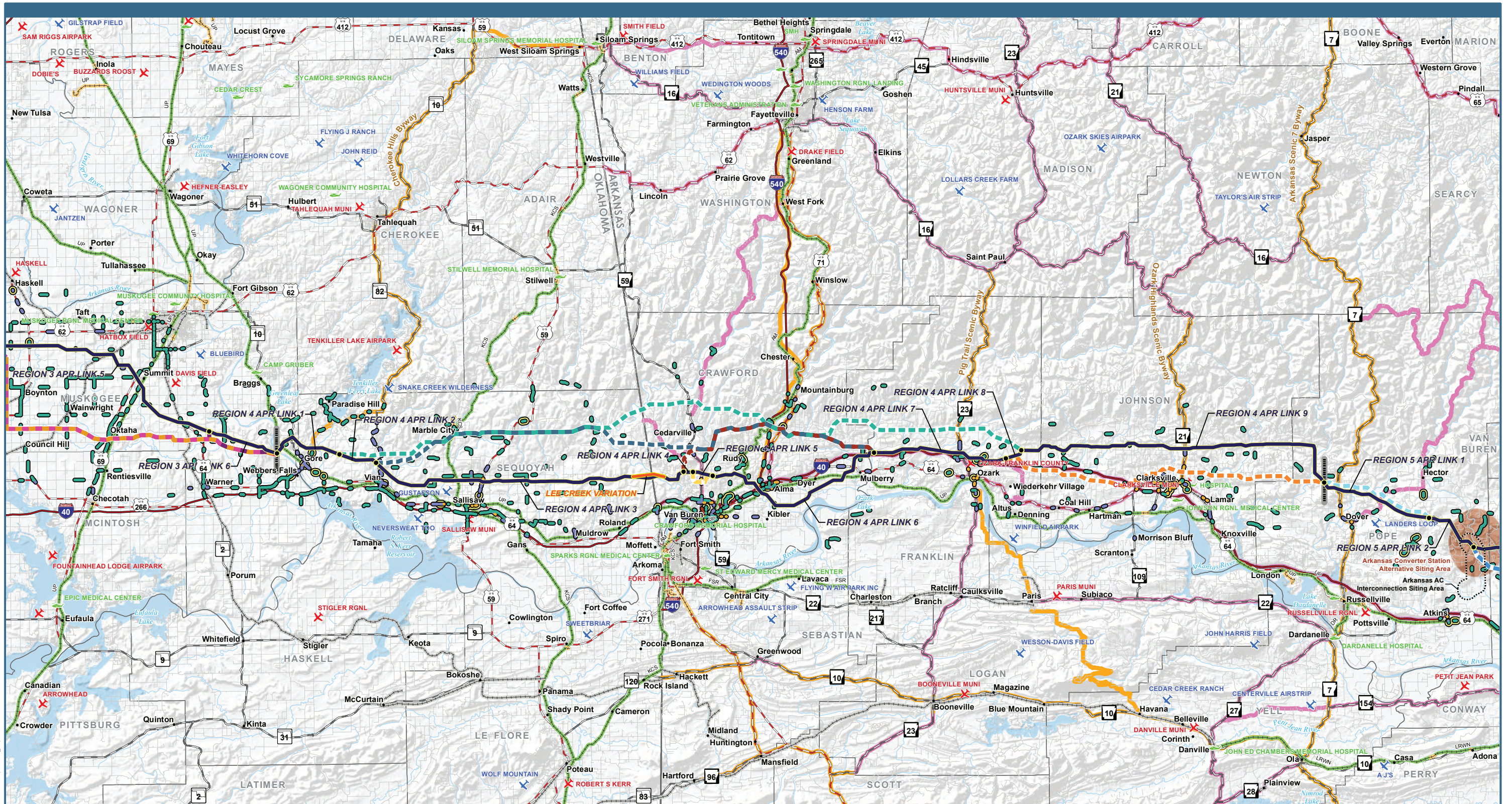
- Federal or State Scenic Byway

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

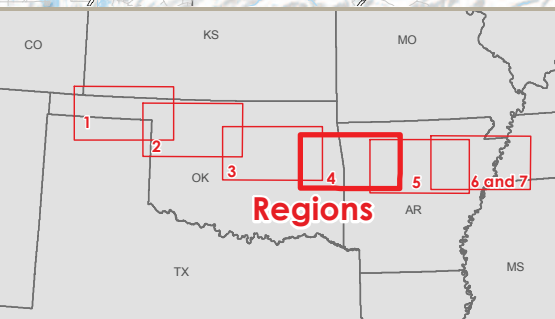
Plains & Eastern EIS

Data Sources: Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Existing Level of Service Class / Level of Service Decrease (Clean Line 2013g); Airports (BTS 2013); Railroad (BTS 2013); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f)

Figure 3.16-1c: Transportation Resources in Region 3



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 Date Modified: 10/2/2014



Project Features

- HVDC Applicant Proposed Route (APR)
- Link Node
- Region Break Line
- Converter Station Siting Area
- Lee Creek Variation
- AC Interconnection Siting Area

Region 3 HVDC Alternative Routes

- AR 3-C
- AR 3-D
- AR 3-E

Region 4 HVDC Alternative Routes

- AR 4-A
- AR 4-B
- AR 4-C
- AR 4-D
- AR 4-E

Region 5 HVDC Alternative Routes

- AR 5-A
- AR 5-B

Existing Level of Service Class

- A
- B
- C
- D

Level of Service Decrease

- Decrease

Airports

- ✕ Public Airport
- ✕ Private Airport
- ✕ Heliport

Railroad

- Abandoned Track

- Main Network Track
- Non-main Active Track

Road Type

- Interstate Highway
- U.S. Highway
- State Highway
- County or Local Road

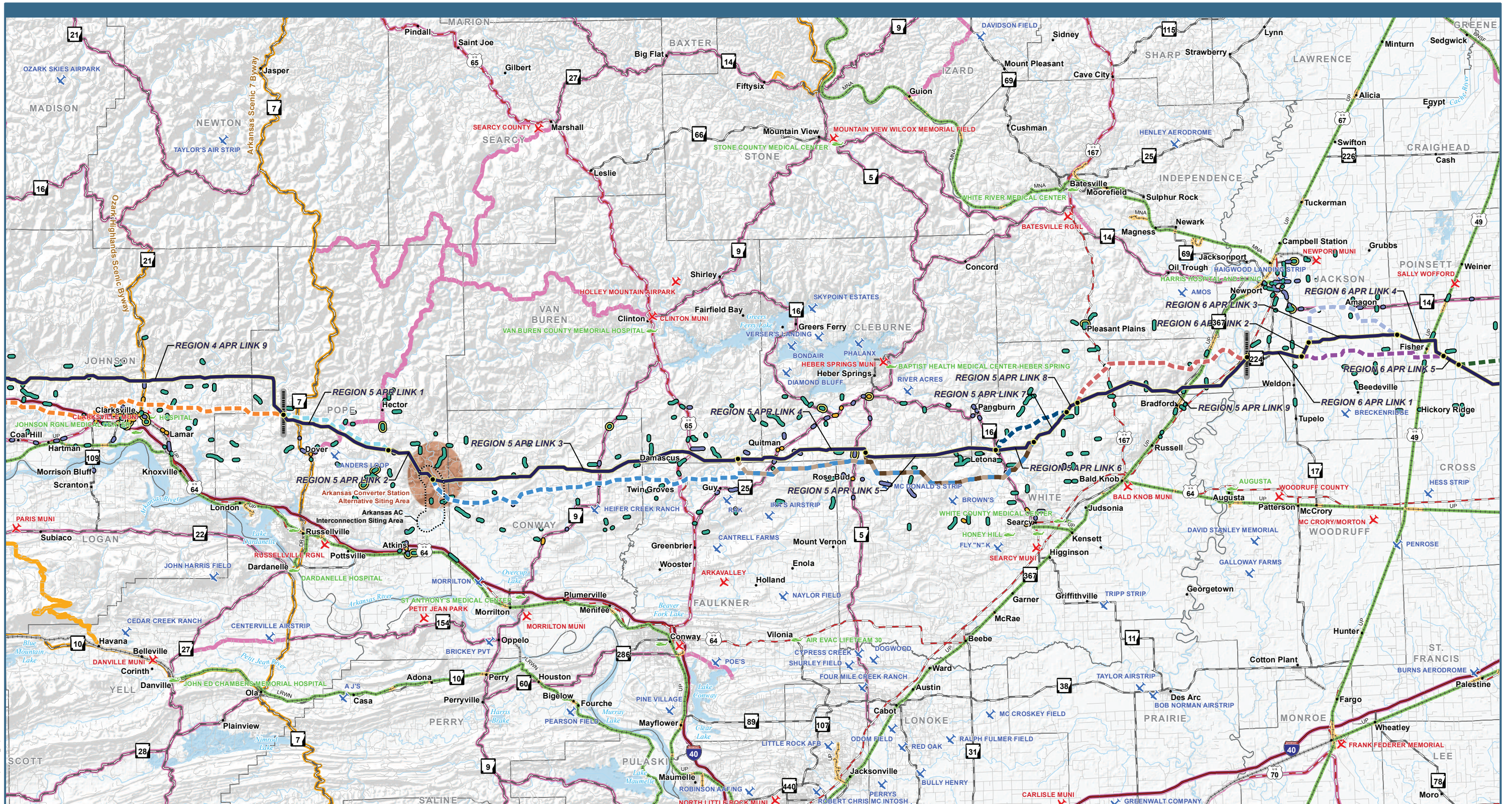
Scenic Byways and Highways

- Federal or State Scenic Byway
- State Scenic Highway

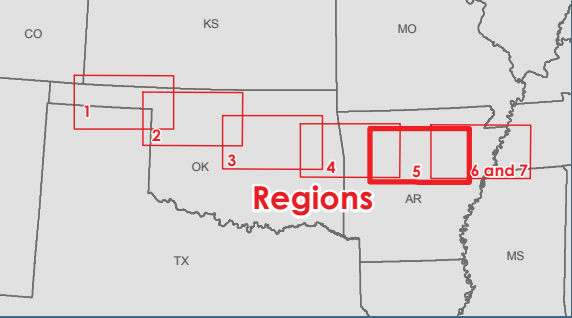
Note: Routes shown with representative lines not indicative of corridor or ROW widths

Data Sources: Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Existing Level of Service Class / Level of Service Decrease (Clean Line 2013g); Airports (BTS 2013); Railroad (BTS 2013); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f)

Figure 3.16-1d: Transportation Resources in Region 4



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Project Features

- HVDC Applicant Proposed Route (APR)
- Link Node
- Region Break Line
- Converter Station Siting Area
- AC Interconnection Siting Area

Region 4 HVDC Alternative Routes

- AR 4-E

Region 5 HVDC Alternative Routes

- AR 5-A
- AR 5-B
- AR 5-C
- AR 5-D
- AR 5-E
- AR 5-F

Region 6 HVDC Alternative Routes

- AR 6-A
- AR 6-B
- AR 6-C

Existing Level of Service Class

- A
- B
- C
- D

Level of Service Decrease

- Decrease

Airports

- ✕ Public Airport
- ✕ Private Airport
- ✕ Heliport

Railroad

- Abandoned Track

- Main Network Track
- Non-main Active Track

Road Type

- Interstate Highway
- U.S. Highway
- State Highway
- County or Local Road

Scenic Byways and Highways

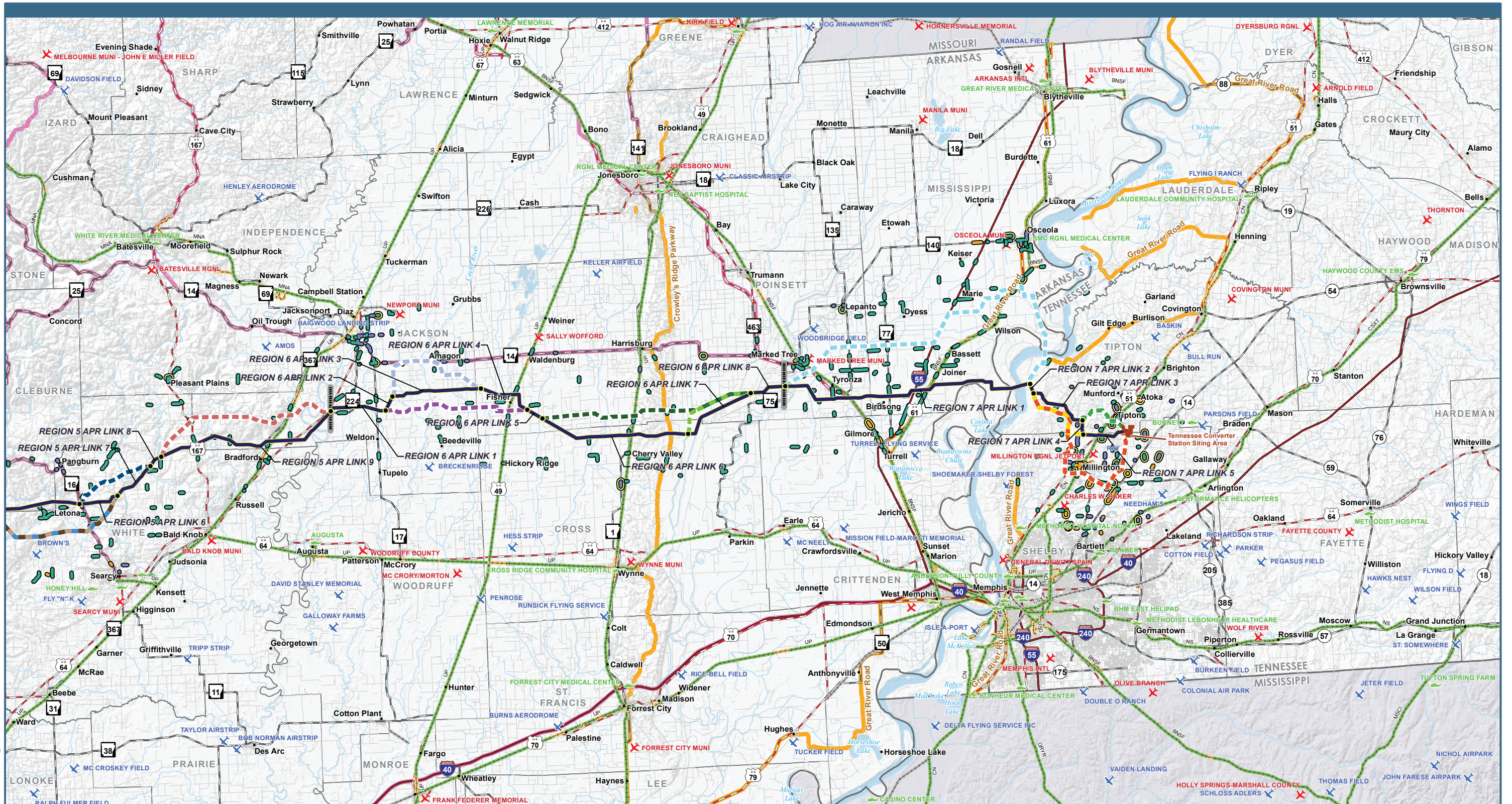
- Federal or State Scenic Byway
- State Scenic Highway

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

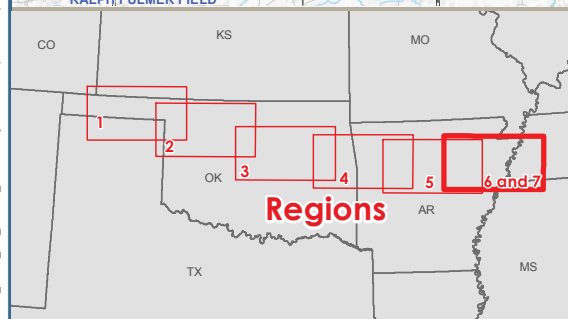
Plains & Eastern EIS

Data Sources: Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Existing Level of Service Class / Level of Service Decrease (Clean Line 2013g); Airports (BTS 2013); Railroad (BTS 2013); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f)

Figure 3.16-1e: Transportation Resources in Region 5



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Project Features		Region 5 HVDC Alternative Routes		Region 6 HVDC Alternative Routes		Region 7 HVDC Alternative Routes		Level of Service Decrease		Railroad		Scenic Byways and Highways	
	HVDC Applicant Proposed Route (APR)		AR 5-B		AR 6-A		AR 7-A		Decrease		Abandoned Track		Federal or State Scenic Byway
	Link Node		AR 5-C		AR 6-B		AR 7-B		Decrease		Main Network Track		State Scenic Highway
	Region Break Line		AR 5-D		AR 6-C		AR 7-C		Decrease		Non-main Active Track		
	Converter Station Siting Area		AR 5-E		AR 6-D		AR 7-D		Decrease		Interstate Highway		
			AR 5-F		AR 6-E		AR 7-E		Decrease		U.S. Highway		
			AR 5-G		AR 6-F		AR 7-F		Decrease		State Highway		
			AR 5-H		AR 6-G		AR 7-G		Decrease		County or Local Road		
			AR 5-I		AR 6-H		AR 7-H		Decrease				
			AR 5-J		AR 6-I		AR 7-I		Decrease				
			AR 5-K		AR 6-J		AR 7-J		Decrease				
			AR 5-L		AR 6-K		AR 7-K		Decrease				
			AR 5-M		AR 6-L		AR 7-L		Decrease				
			AR 5-N		AR 6-M		AR 7-M		Decrease				
			AR 5-O		AR 6-N		AR 7-N		Decrease				
			AR 5-P		AR 6-O		AR 7-O		Decrease				
			AR 5-Q		AR 6-P		AR 7-P		Decrease				
			AR 5-R		AR 6-Q		AR 7-Q		Decrease				
			AR 5-S		AR 6-R		AR 7-R		Decrease				
			AR 5-T		AR 6-S		AR 7-S		Decrease				
			AR 5-U		AR 6-T		AR 7-T		Decrease				
			AR 5-V		AR 6-U		AR 7-V		Decrease				
			AR 5-W		AR 6-V		AR 7-W		Decrease				
			AR 5-X		AR 6-W		AR 7-X		Decrease				
			AR 5-Y		AR 6-X		AR 7-Y		Decrease				
			AR 5-Z		AR 6-Y		AR 7-Z		Decrease				
			AR 6-1		AR 6-Z		AR 7-1		Decrease				
			AR 6-2		AR 6-1		AR 7-2		Decrease				
			AR 6-3		AR 6-2		AR 7-3		Decrease				
			AR 6-4		AR 6-3		AR 7-4		Decrease				
			AR 6-5		AR 6-4		AR 7-5		Decrease				
			AR 6-6		AR 6-5		AR 7-6		Decrease				
			AR 6-7		AR 6-6		AR 7-7		Decrease				
			AR 6-8		AR 6-7		AR 7-8		Decrease				
			AR 6-9		AR 6-8		AR 7-9		Decrease				
			AR 6-10		AR 6-9		AR 7-10		Decrease				
			AR 6-11		AR 6-10		AR 7-11		Decrease				
			AR 6-12		AR 6-11		AR 7-12		Decrease				
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			AR 6-14		AR 6-13		AR 7-14		Decrease				
			AR 6-15		AR 6-14		AR 7-15		Decrease				
			AR 6-16		AR 6-15		AR 7-16		Decrease				
			AR 6-17		AR 6-16		AR 7-17		Decrease				
			AR 6-18		AR 6-17		AR 7-18		Decrease				
			AR 6-19		AR 6-18		AR 7-19		Decrease				
			AR 6-20		AR 6-19		AR 7-20		Decrease				
			AR 6-21		AR 6-20		AR 7-21		Decrease				
			AR 6-22		AR 6-21		AR 7-22		Decrease				
			AR 6-23		AR 6-22		AR 7-23		Decrease				
			AR 6-24		AR 6-23		AR 7-24		Decrease				
			AR 6-25		AR 6-24		AR 7-25		Decrease				
			AR 6-26		AR 6-25		AR 7-26		Decrease				
			AR 6-27		AR 6-26		AR 7-27		Decrease				
			AR 6-28		AR 6-27		AR 7-28		Decrease				
			AR 6-29		AR 6-28		AR 7-29		Decrease				
			AR 6-30		AR 6-29		AR 7-30		Decrease				
			AR 6-31		AR 6-30		AR 7-31		Decrease				
			AR 6-32		AR 6-31		AR 7-32		Decrease				
			AR 6-33		AR 6-32		AR 7-33		Decrease				
			AR 6-34		AR 6-33		AR 7-34		Decrease				
			AR 6-35		AR 6-34		AR 7-35		Decrease				
			AR 6-36		AR 6-35		AR 7-36		Decrease				
			AR 6-37		AR 6-36		AR 7-37		Decrease				
			AR 6-38		AR 6-37		AR 7-38		Decrease				
			AR 6-39		AR 6-38		AR 7-39		Decrease				
			AR 6-40		AR 6-39		AR 7-40		Decrease				
			AR 6-41		AR 6-40		AR 7-41		Decrease				
			AR 6-42		AR 6-41		AR 7-42		Decrease				
			AR 6-43		AR 6-42		AR 7-43		Decrease				
			AR 6-44		AR 6-43		AR 7-44		Decrease				
			AR 6-45		AR 6-44		AR 7-45		Decrease				
			AR 6-46		AR 6-45		AR 7-46		Decrease				
			AR 6-47		AR 6-46		AR 7-47		Decrease				
			AR 6-48		AR 6-47		AR 7-48		Decrease				
			AR 6-49		AR 6-48		AR 7-49		Decrease				
			AR 6-50		AR 6-49		AR 7-50		Decrease				
			AR 6-51		AR 6-50		AR 7-51		Decrease				
			AR 6-52		AR 6-51		AR 7-52		Decrease				
			AR 6-53		AR 6-52		AR 7-53		Decrease				
			AR 6-54		AR 6-53		AR 7-54		Decrease				
			AR 6-55		AR 6-54		AR 7-55		Decrease				
			AR 6-56		AR 6-55		AR 7-56		Decrease				
			AR 6-57		AR 6-56		AR 7-57		Decrease				
			AR 6-58		AR 6-57		AR 7-58		Decrease				