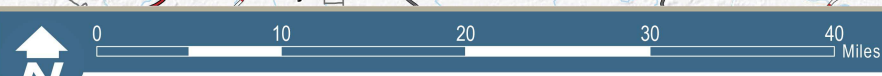
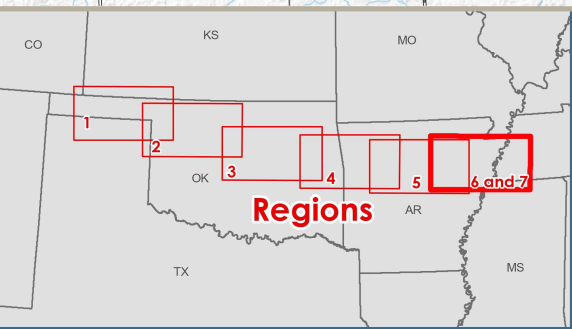
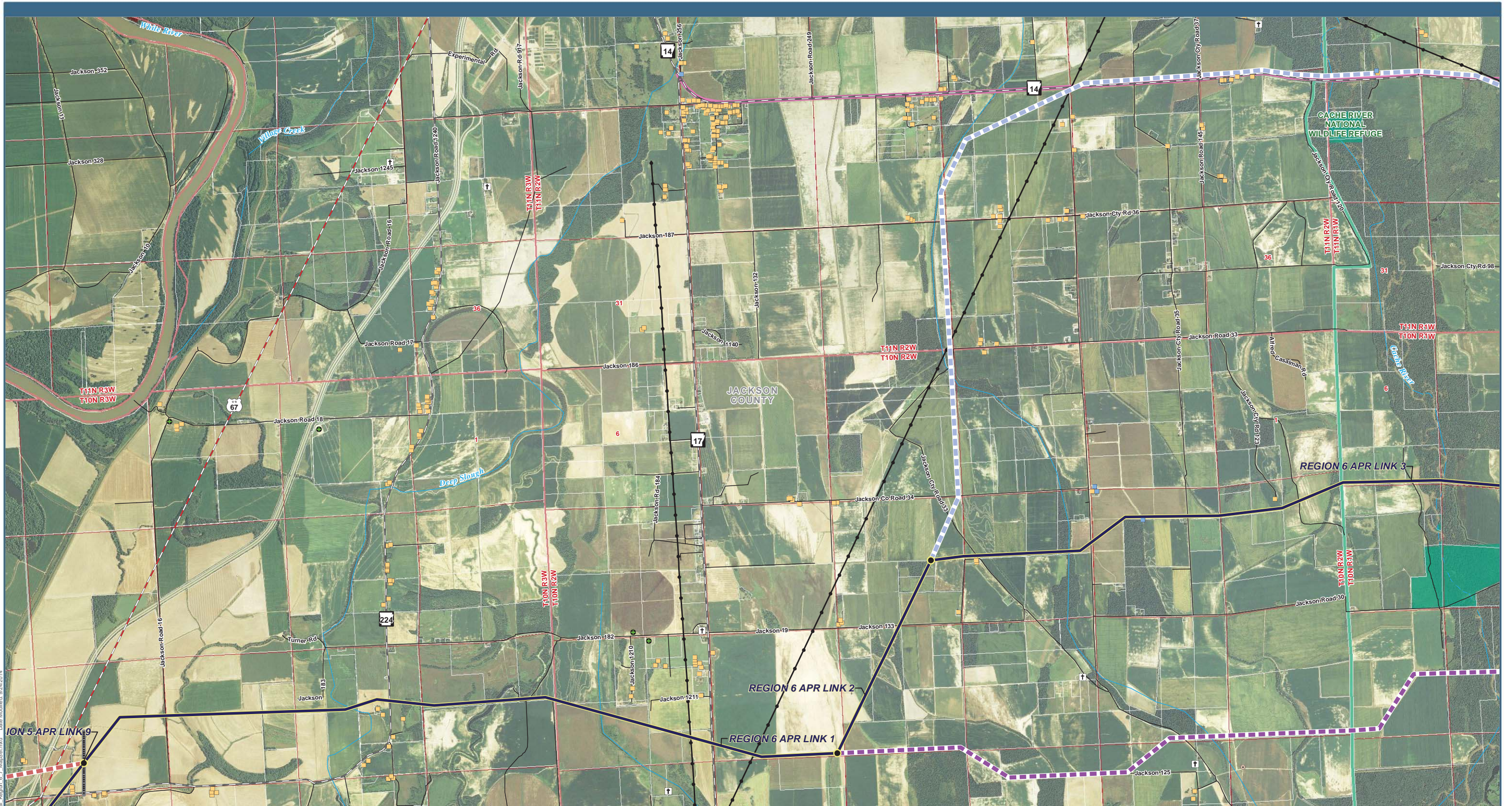


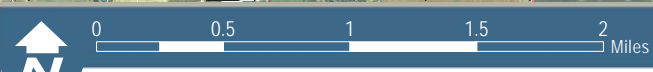
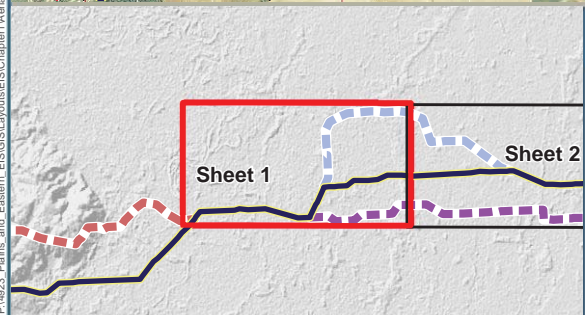
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Project Features		Region 5 HVDC Alternative Routes		Region 6 HVDC Alternative Routes	
	HVDC Applicant Proposed Route (APR)		AR 5-B		AR 6-A
	Link Node		AR 5-C		AR 6-B
	Region Break Line		AR 5-D		AR 6-C
	Converter Station Siting Area		AR 5-E		
			AR 5-F		
			AR 5-G		
			AR 5-H		
			AR 5-I		
			AR 5-J		
			AR 5-K		
			AR 5-L		
			AR 5-M		
			AR 5-N		
			AR 5-O		
			AR 5-P		
			AR 5-Q		
			AR 5-R		
			AR 5-S		
			AR 5-T		
			AR 5-U		
			AR 5-V		
			AR 5-W		
			AR 5-X		
			AR 5-Y		
			AR 5-Z		
			AR 5-AA		
			AR 5-AB		
			AR 5-AC		
			AR 5-AD		
			AR 5-AE		
			AR 5-AF		
			AR 5-AG		
			AR 5-AH		
			AR 5-AI		
			AR 5-AJ		
			AR 5-AK		
			AR 5-AL		
			AR 5-AM		
			AR 5-AN		
			AR 5-AO		
			AR 5-AP		
			AR 5-AQ		
			AR 5-AR		
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			AR 5-AT		
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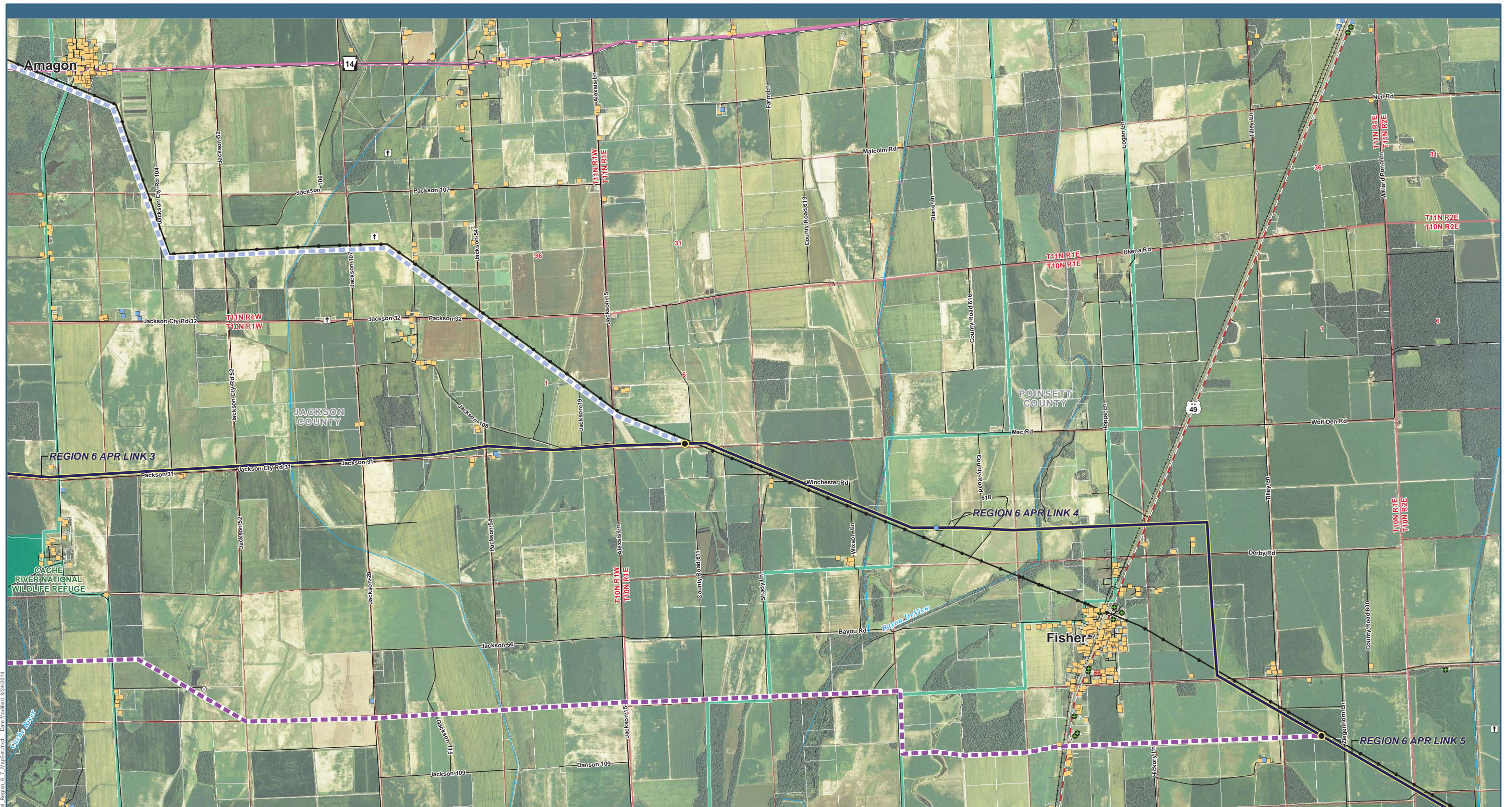
<p>Project Features</p> <ul style="list-style-type: none"> HVDC Applicant Proposed Route (APR) Link Node Region Break Line Region 5 HVDC Alternative Routes AR 5-D Region 6 HVDC Alternative Routes AR 6-A AR 6-B 	<p>Structures</p> <ul style="list-style-type: none"> Residence Commercial/Industrial Agriculture Cemetery Oil and Gas Wells Oil and Gas Wells Transmission Lines 115kV; 161kV Transmission Line 	<p>Scenic Byways and Highways</p> <ul style="list-style-type: none"> State Scenic Highway USFWS Approved Acquisition Area USFWS-owned Land National Conservation Easement Database
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Note: Routes shown with representative lines not indicative of corridor or ROW widths

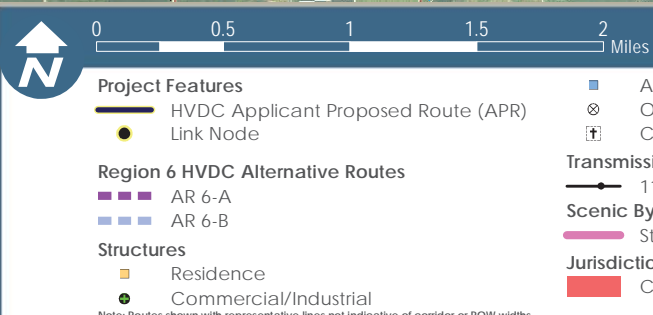
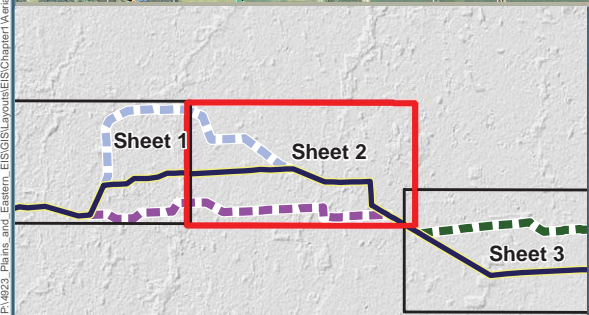
Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission 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)*

Plains & Eastern EIS

Figure 1.0-2: Aerial Map Regions 6 & 7, Sheet 1



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- | | | |
|---|--|---|
| Project Features
HVDC Applicant Proposed Route (APR)
Link Node | Agriculture
Other
Cemetery | USFWS Approved Acquisition Area
USFWS-owned Land |
| Region 6 HVDC Alternative Routes
AR 6-A
AR 6-B | Transmission Lines
115kV; 161kV Transmission Line
Scenic Byways and Highways
State Scenic Highway | |
| Structures
Residence
Commercial/Industrial | Jurisdiction
City/County/Local Park | |

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

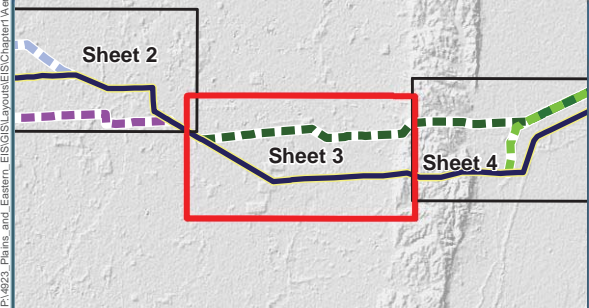
Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission 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)*

Plains & Eastern EIS

Figure 1.0-2: Aerial Map Regions 6 & 7, Sheet 2



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0 0.5 1 1.5 2 Miles

Project Features

- HVDC Applicant Proposed Route (APR)
- Link Node

Region 6 HVDC Alternative Routes

- AR 6-C

Structures

- Residence
- Commercial/Industrial
- Agriculture

Abandoned Cemetery

- Abandoned Cemetery

Transmission Lines

- 115kV; 161kV Transmission Line

Jurisdiction

- City/County/Local Park
- Wildlife Management Area
- National Conservation Easement Database

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)*

Figure 1.0-2: Aerial Map Regions 6 & 7, Sheet 3



REGION 6 AP

St. Francis Sunken Lands WMA
Singer Forest Natural Area (easement)

REGION 6 APR LINK 7

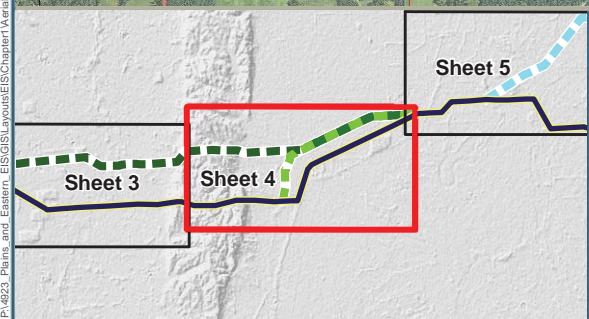
REGION 6 APR LINK 6

CROSS COUNTY

POINSETT COUNTY

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0 0.5 1 1.5 2 Miles

Project Features

- HVDC Applicant Proposed Route (APR)
- Link Node

Region 6 HVDC Alternative Routes

- AR 6-C
- AR 6-D

Structures

- Residence
- Church

Commercial/Industrial

- Commercial/Industrial
- Agriculture
- Cemetery

Scenic Byways and Highways

- Federal or State Scenic Byway

Jurisdiction

- Natural Area
- Wildlife Management Area
- National Conservation Easement Database

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)*

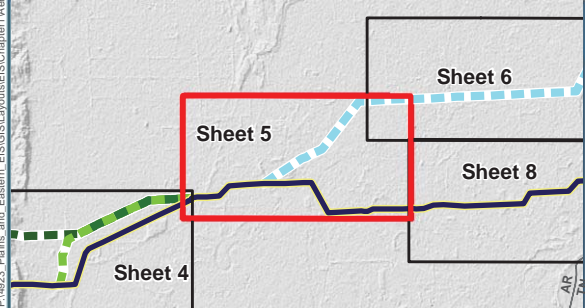
*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

Figure 1.0-2: Aerial Map Regions 6 & 7, Sheet 4



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<p>Project Features</p> <ul style="list-style-type: none"> — HVDC Applicant Proposed Route (APR) ● Link Node - - - Region Break Line <p>Region 6 HVDC Alternative Routes</p> <ul style="list-style-type: none"> — AR 6-C — AR 6-D <p>Region 7 HVDC Alternative Routes</p> <ul style="list-style-type: none"> — AR 7-A <p><small>Note: Routes shown with representative lines not indicative of corridor or ROW widths</small></p>	<p>Structures</p> <ul style="list-style-type: none"> ■ Residence ■ Commercial/Industrial ■ Agriculture ■ Other † Cemetery <p>Airports</p> <ul style="list-style-type: none"> ✕ Public Airport 	<p>Transmission Lines</p> <ul style="list-style-type: none"> — 115kV; 161kV Transmission Line <p>Scenic Byways and Highways</p> <ul style="list-style-type: none"> — State Scenic Highway <p>Jurisdiction</p> <ul style="list-style-type: none"> ■ Wildlife Management Area
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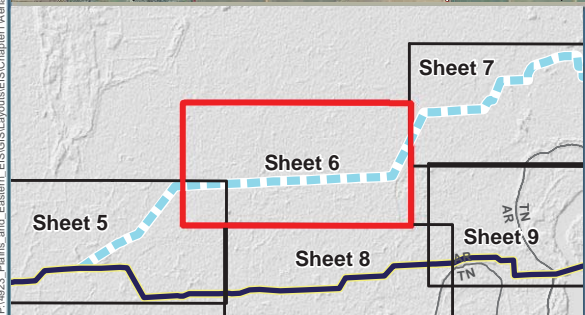
Figure 1.0-2: Aerial Map Regions 6 & 7, Sheet 5

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.



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0 0.5 1 1.5 2 Miles

Region 7 HVDC Alternative Routes
 AR 7-A

Structures

- Residence
- Commercial/Industrial
- Agriculture
- Abandoned
- Cemetery

Transmission Lines
 115kV; 161kV Transmission Line

Scenic Byways and Highways
 Federal or State Scenic Byway

Jurisdiction
 City/County/Local Park

Plains & Eastern EIS

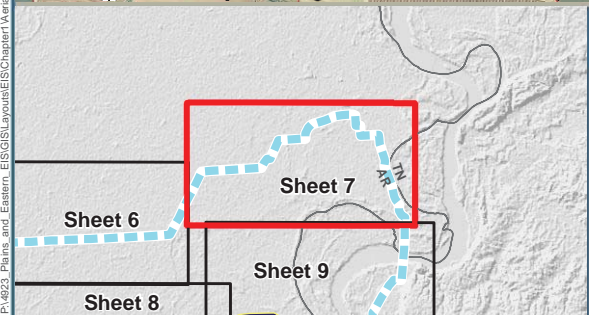
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*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

Figure 1.0-2: Aerial Map Regions 6 & 7, Sheet 6



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0 0.5 1 1.5 2 Miles

Region 7 HVDC Alternative Routes
 AR 7-A

Structures
 Residence
 Commercial/Industrial
 Agriculture
 Abandoned
 Cemetery

Transmission Lines
 115kV: 161kV Transmission Line
 500kV Transmission Line

Scenic Byways and Highways
 Federal or State Scenic Byway

Jurisdiction
 City/County/Local Park
 State Park
 National Conservation Easement Database

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

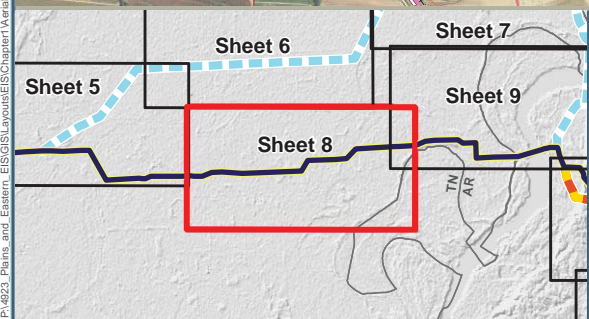
Plains & Eastern EIS

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)*

Figure 1.0-2: Aerial Map Regions 6 & 7, Sheet 7



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0 0.5 1 1.5 2 Miles

Project Features

- HVDC Applicant Proposed Route (APR)

Structures

- Residence
- Public
- Agriculture
- Cemetery

Transmission Lines

- 115kV: 161kV Transmission Line

Scenic Byways and Highways

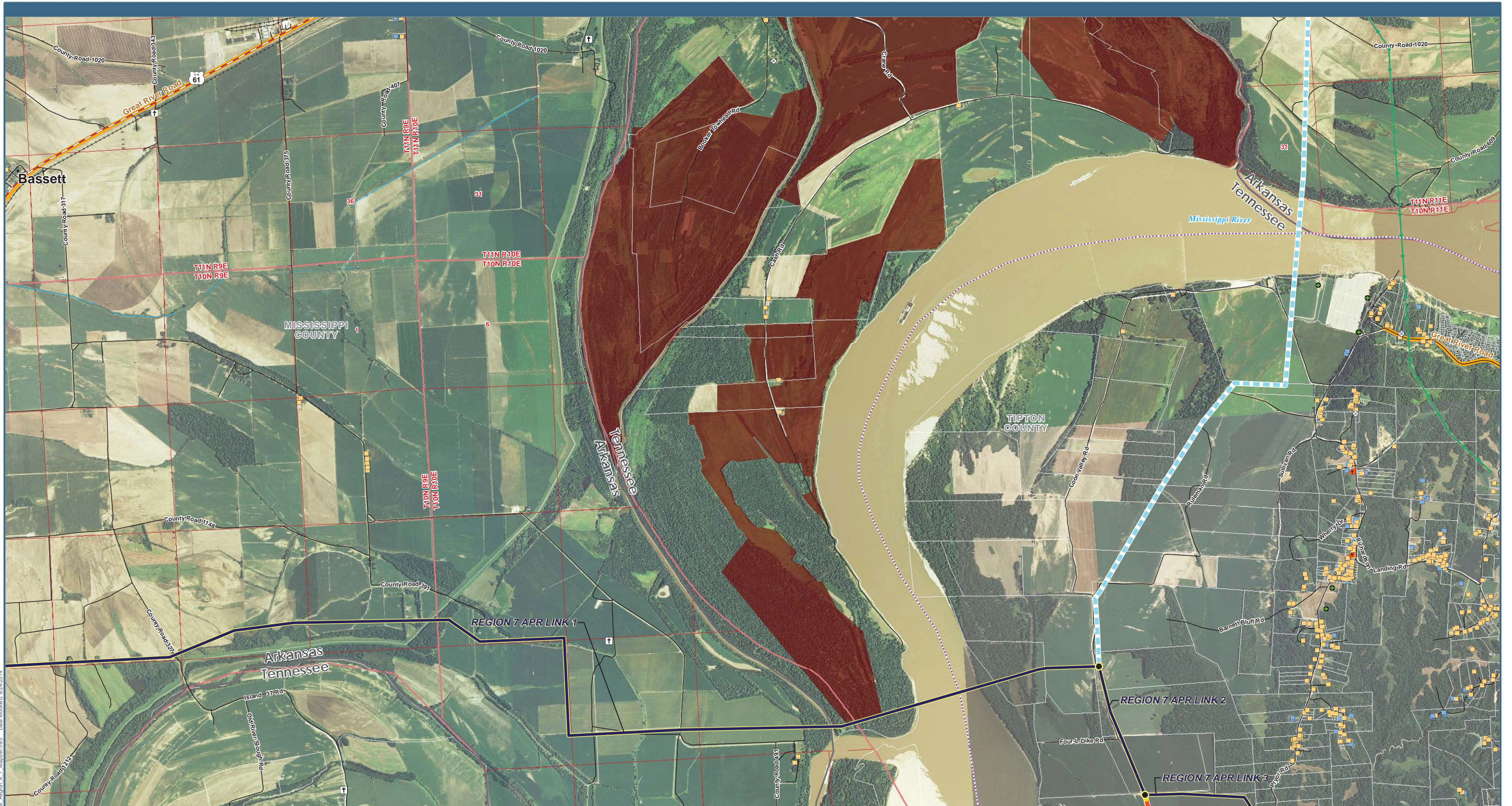
- Federal or State Scenic Byway
- State Scenic Highway
- National Conservation Easement Database

Plains & Eastern EIS

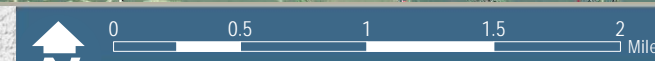
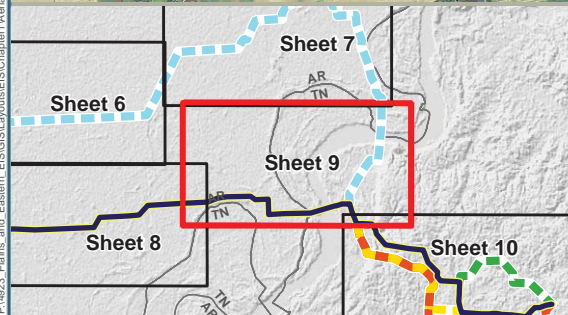
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*References have been provided for all data sources on the aerial maps. Not all data sources are contained within each region or on each map within a region.

Figure 1.0-2: Aerial Map Regions 6 & 7, Sheet 8



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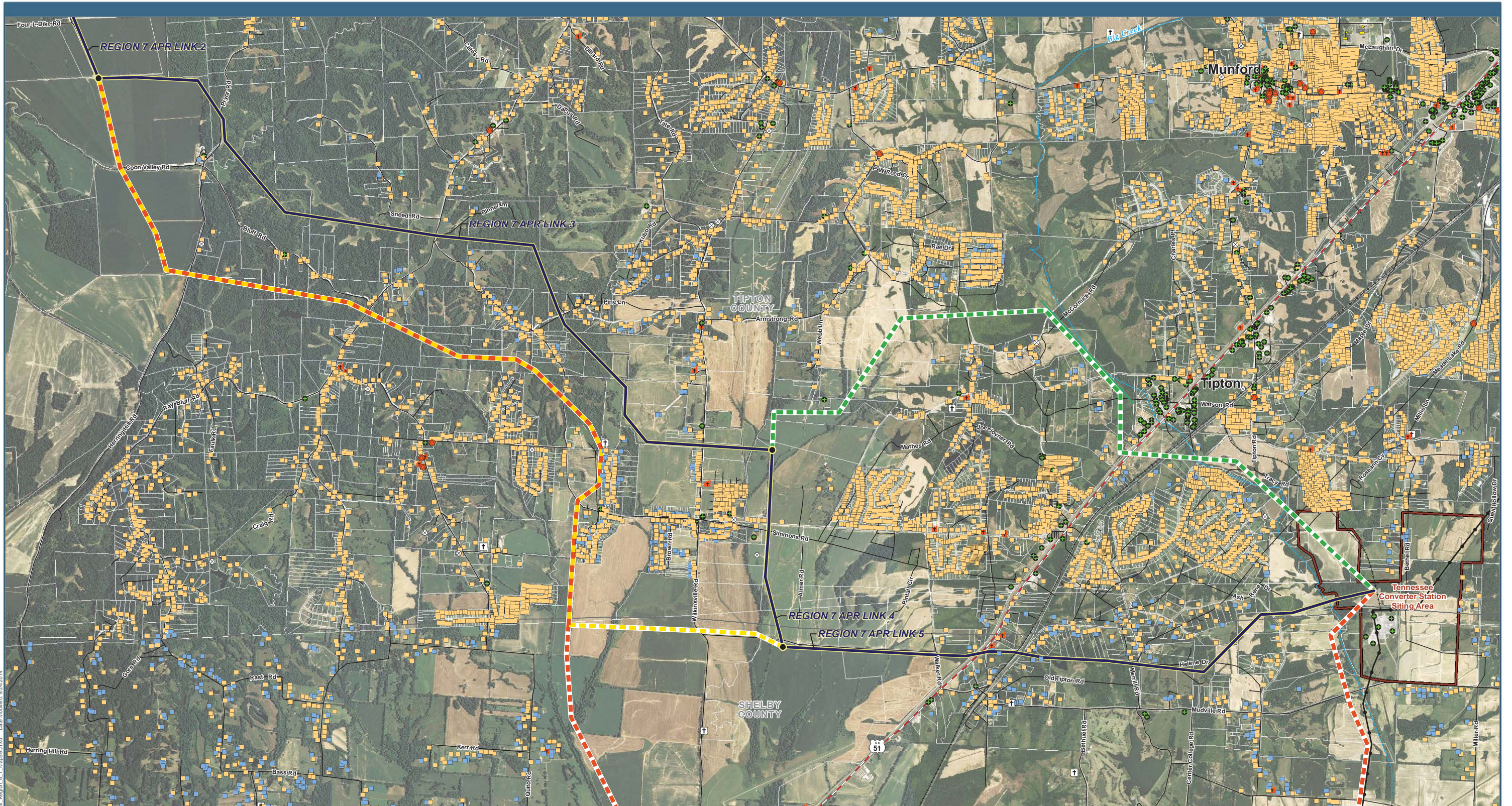
- | | | |
|---|--|--|
| <p>Project Features</p> <ul style="list-style-type: none"> — HVDC Applicant Proposed Route (APR) ● Link Node <p>Region 7 HVDC Alternative Routes</p> <ul style="list-style-type: none"> — AR 7-A — AR 7-B — AR 7-C <p>Structures</p> <ul style="list-style-type: none"> ■ Residence | <p>Church</p> <ul style="list-style-type: none"> ● Church <p>Commercial/Industrial</p> <ul style="list-style-type: none"> ■ Commercial/Industrial <p>Other</p> <ul style="list-style-type: none"> ■ Agriculture ■ Other ■ Cemetery <p>Transmission Lines</p> <ul style="list-style-type: none"> — 500kV Transmission Line <p>Scenic Byways and Highways</p> <ul style="list-style-type: none"> — Federal or State Scenic Byway | <p>National Historic Trails</p> <ul style="list-style-type: none"> - - - Trail of Tears <p>National Conservation Easement Database</p> <ul style="list-style-type: none"> ■ National Conservation Easement Database |
|---|--|--|

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

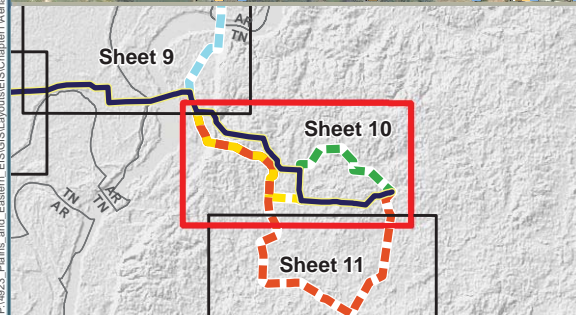
Data Sources: Structures (Clean Line 2013a, Tetra Tech 2014a); Cemeteries (ESRI 2013); Airports (BTS 2013); Road Type [Highways (BTS 2013); County or Local Roads (TXDOT 2014, CSA 2007, AHTD 2006a, USCB 2000)]; Railroads (BTS 2013); Scenic Byways and Highways (FHWA 2013, Clean Line 2013f); Transmission 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)*

Plains & Eastern EIS

Figure 1.0-2: Aerial Map Regions 6 & 7, Sheet 9



P:\4823_Plains and Eastern_EIS\GIS\Layouts\EIS\Chapter1\Merial_Region_6_7_MapSet.mxd Data Modified: 9/24/2014



0 0.5 1 1.5 2 Miles

Project Features

- HVDC Applicant Proposed Route (APR)
- Link Node
- Converter Station Siting Area

Region 7 HVDC Alternative Routes

- AR 7-B
- AR 7-C
- AR 7-D

Structures

- Residence
- School
- Church
- Commercial/Industrial
- Public
- Agriculture
- Abandoned
- Other

Transmission Lines

- 115kV; 161kV Transmission Line
- 500kV Transmission Line

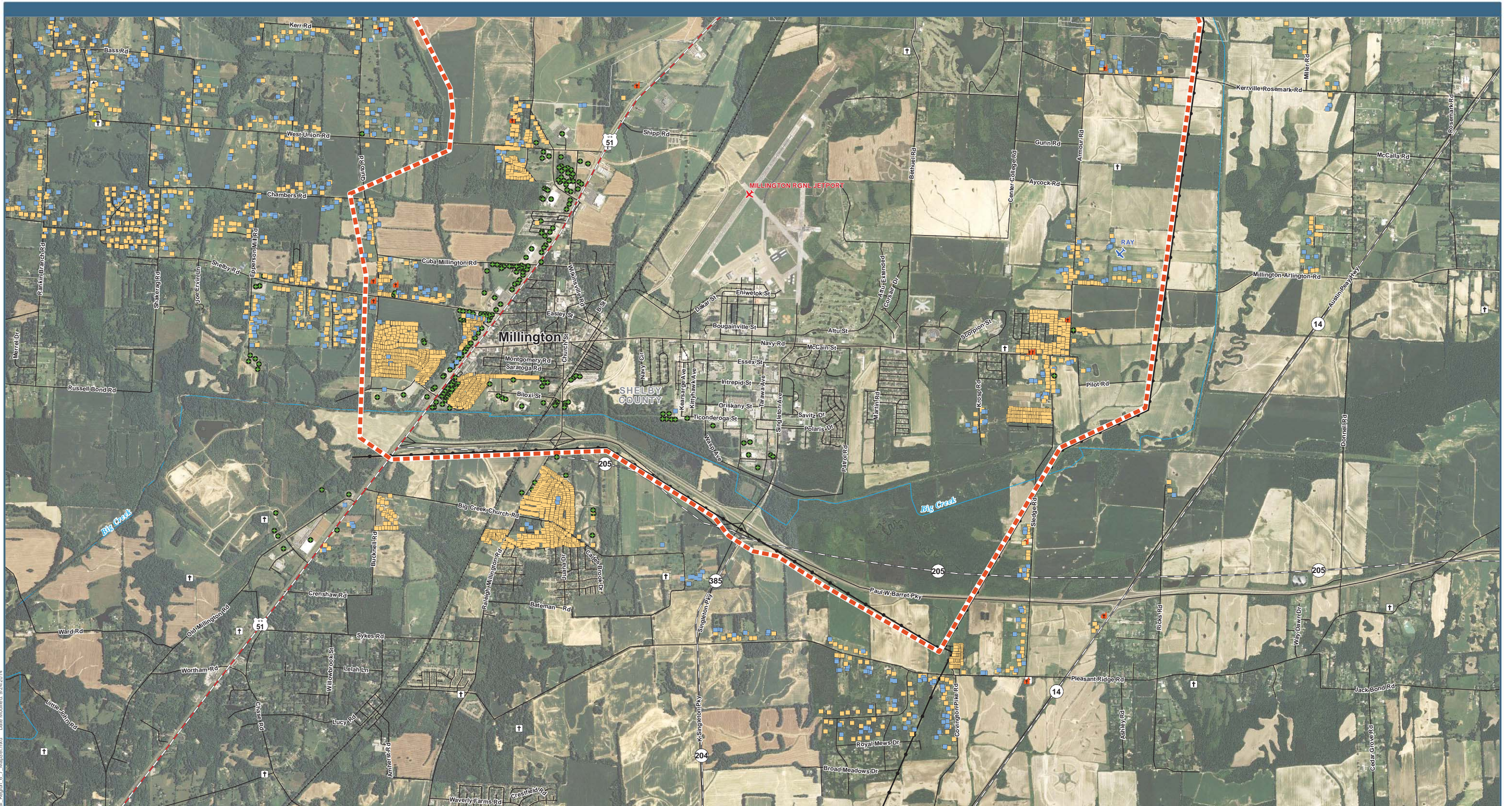
Cemeteries

- Cemetery

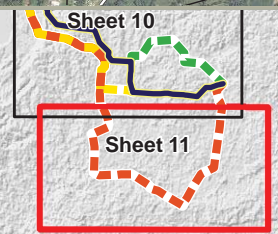
Note: Routes shown with representative lines not indicative of corridor or ROW widths

Plains & Eastern EIS

Figure 1.0-2: Aerial Map Regions 6 & 7, Sheet 10



P:\4823 Plains and Eastern EIS\GIS\LAYOUTS\EIS\Chapter1\Merial Region 6 7 MapSet.mxd Date Modified: 9/24/2014



0 0.5 1 1.5 2 Miles

Region 7 HVDC Alternative Routes
 - - - - - AR 7-C

Structures

- Residence
- School
- Church
- Commercial/Industrial
- Agriculture
- Abandoned

Airports

- ✕ Public Airport
- ✕ Private Airport

Transmission Lines

- 115kV; 161kV Transmission Line

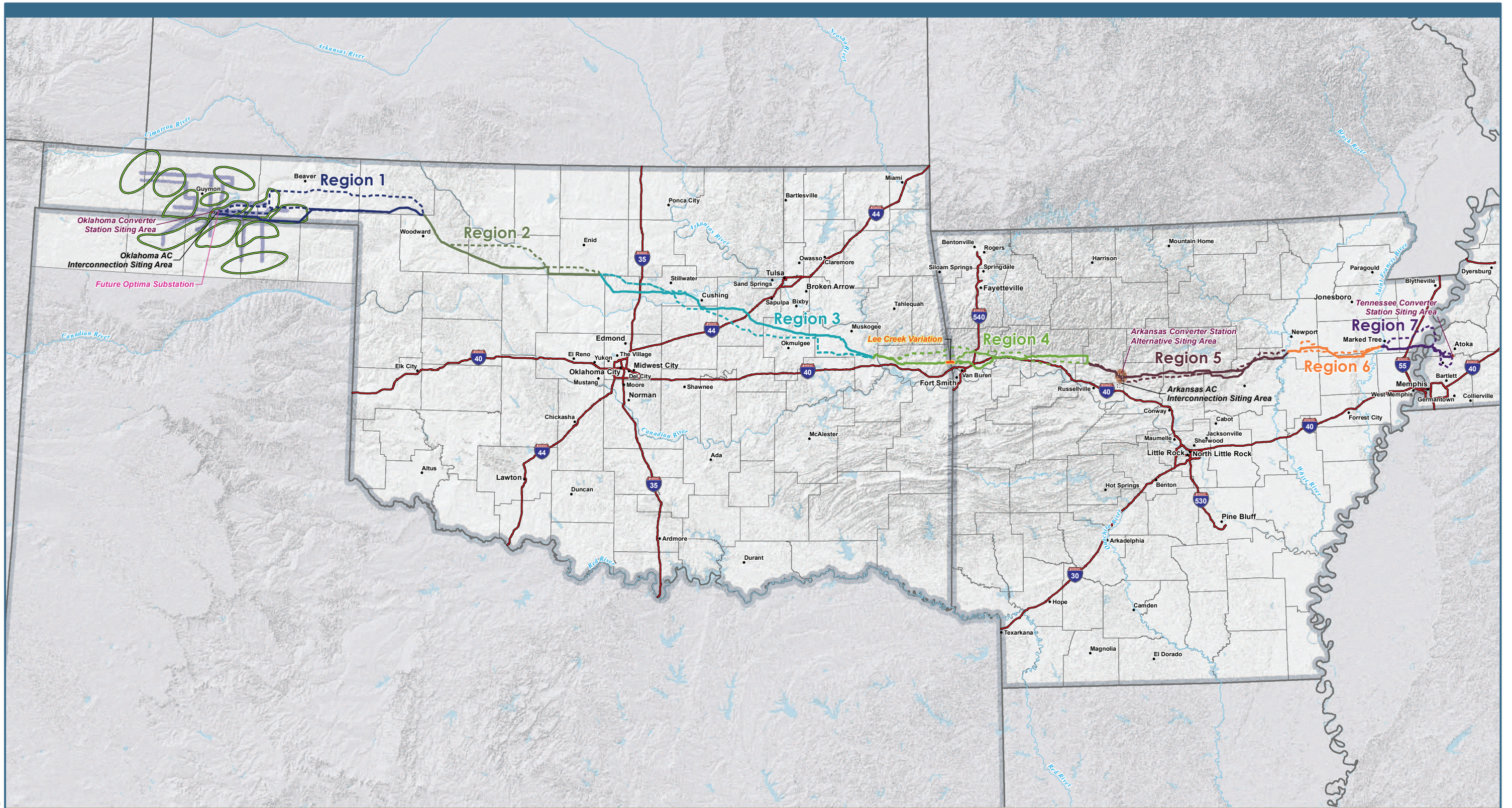
Cemetery

- † Cemetery

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); 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)*

Figure 1.0-2: Aerial Map Regions 6 & 7, Sheet 11



P:\4823_Plains_and_Eastern_EIS\GIS\Layouts\EIS\Chapter2\Project_Overview.mxd Date Modified: 9/24/2014



Project Features

- Converter Station Siting Area
- AC Collection System
- AC Interconnection Siting Area
- Lee Creek Variation

- Region 1 HVDC Routes**
- Applicant Proposed Route
 - Alternative Route

- Region 2 HVDC Routes**
- Applicant Proposed Route
 - Alternative Route

- Region 3 HVDC Routes**
- Applicant Proposed Route
 - Alternative Route

- Region 4 HVDC Routes**
- Applicant Proposed Route
 - Alternative Route

- Region 5 HVDC Routes**
- Applicant Proposed Route
 - Alternative Route

- Region 6 HVDC Routes**
- Applicant Proposed Route
 - Alternative Route

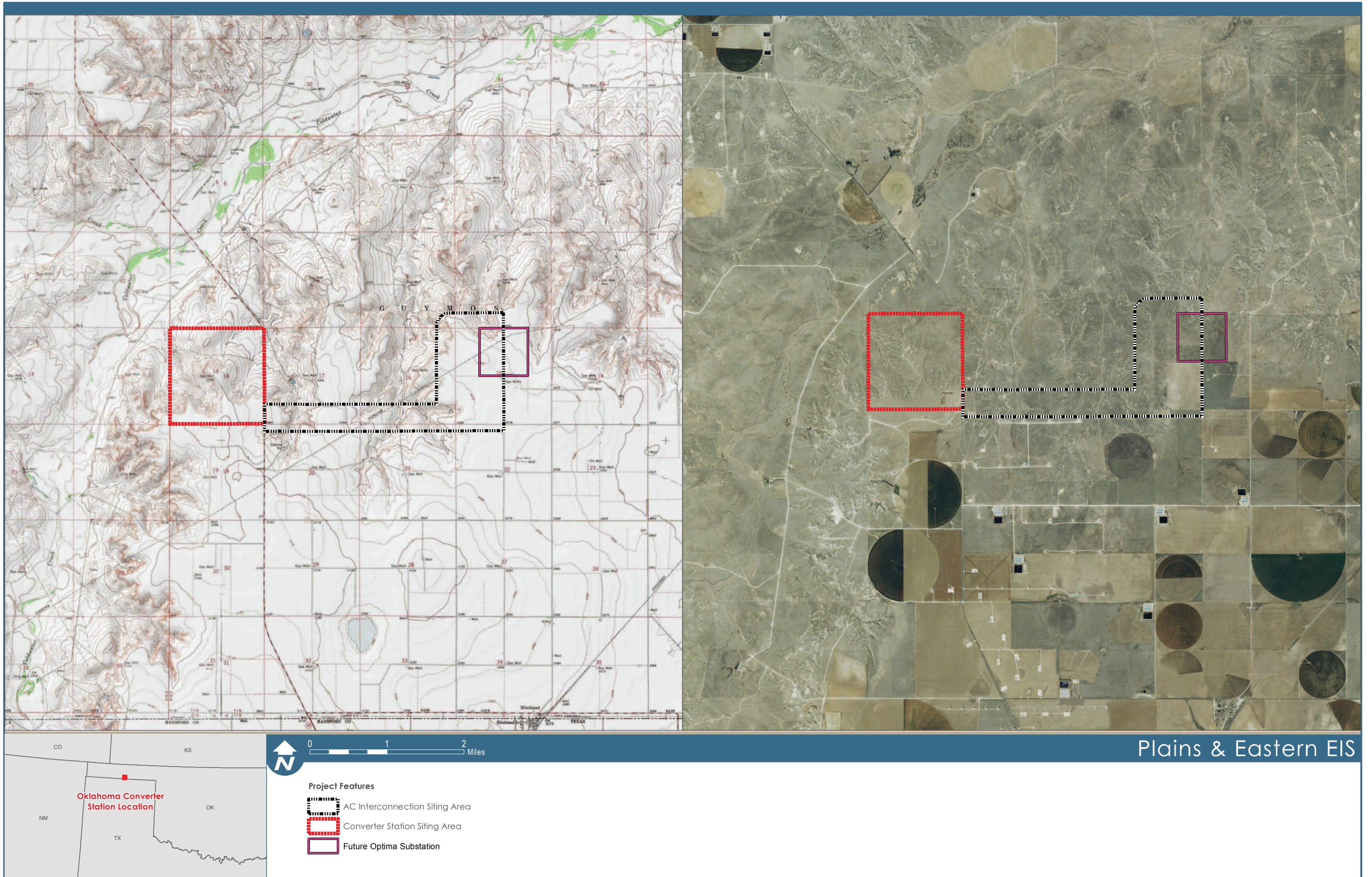
- Region 7 HVDC Routes**
- Applicant Proposed Route
 - Alternative Route

- Connected Actions**
- Wind Development Zone
 - Future Optima Substation

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

Plains & Eastern EIS

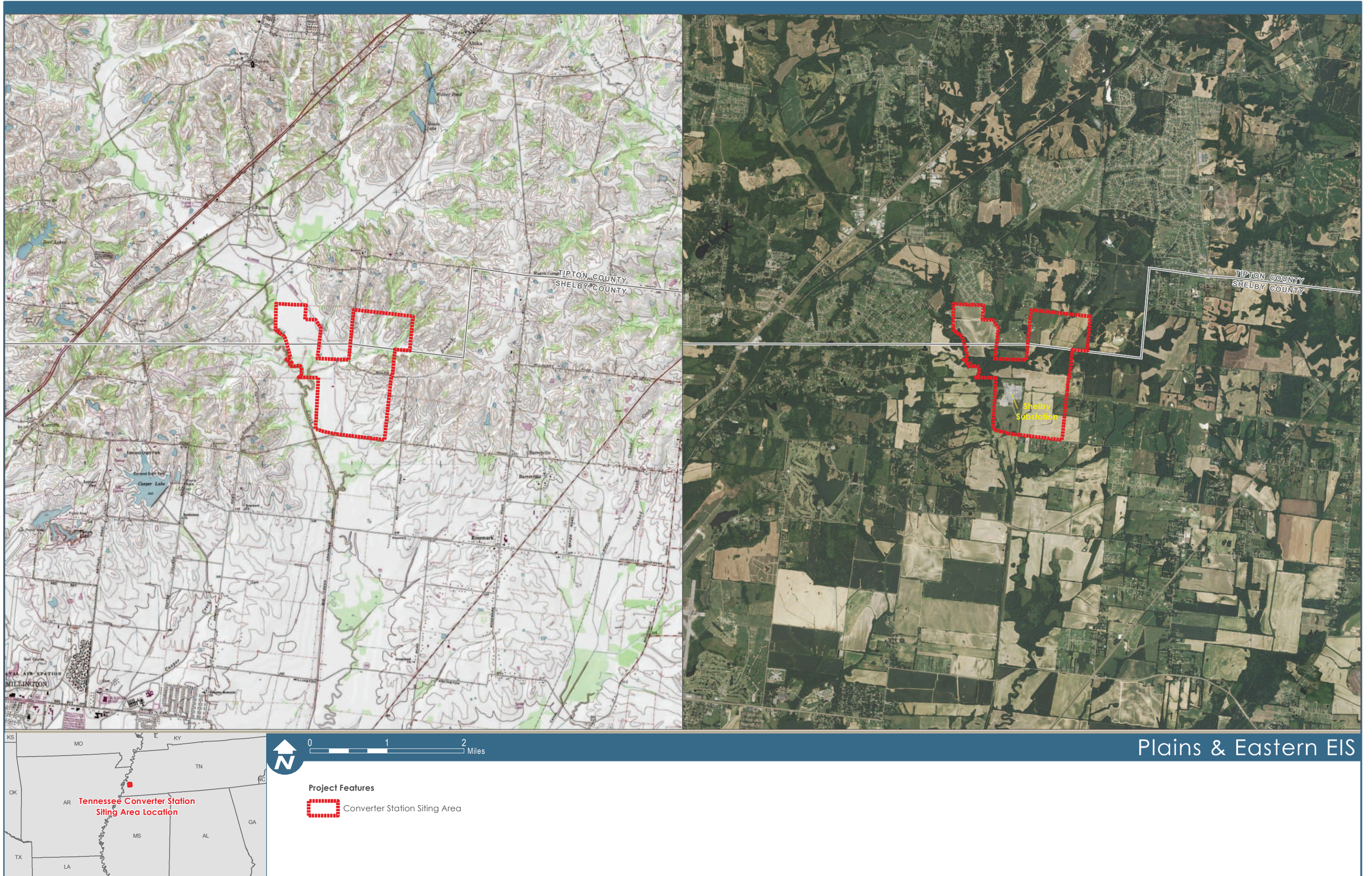
Figure 2.1-2: Project Overview



P:\4223_Plains_and_Eastern_EIS\GIS\Layouts\EIS\Chapter2\Texas\Oklahoma Converter.mxd Date Modified: 9/18/2014

Data Sources: US Topo Maps (USGS 2014b); Aerial Photography (NAIP 2013b)

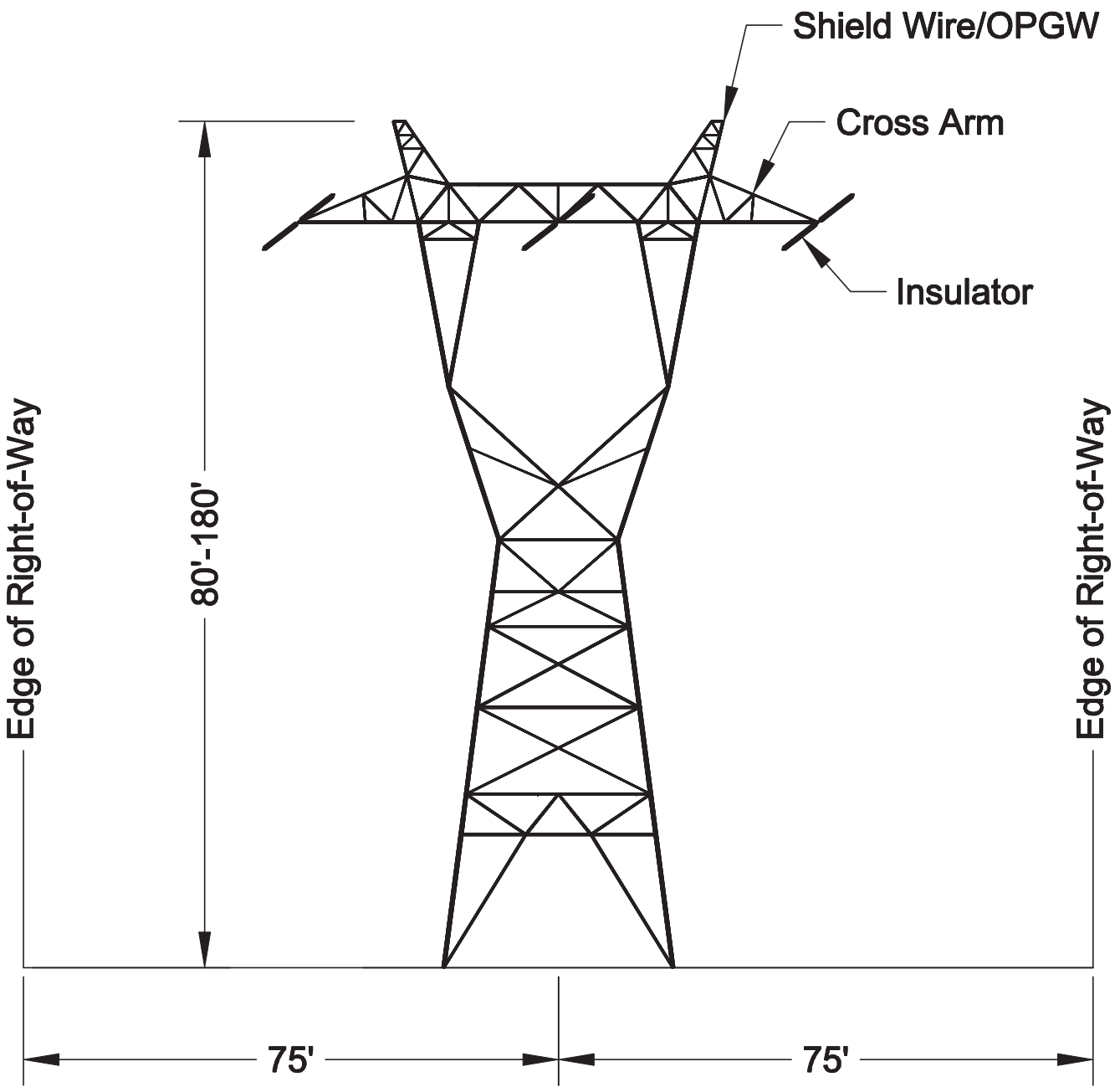
Figure 2.1-3: Oklahoma Converter Station Siting Area Property Location and Aerial



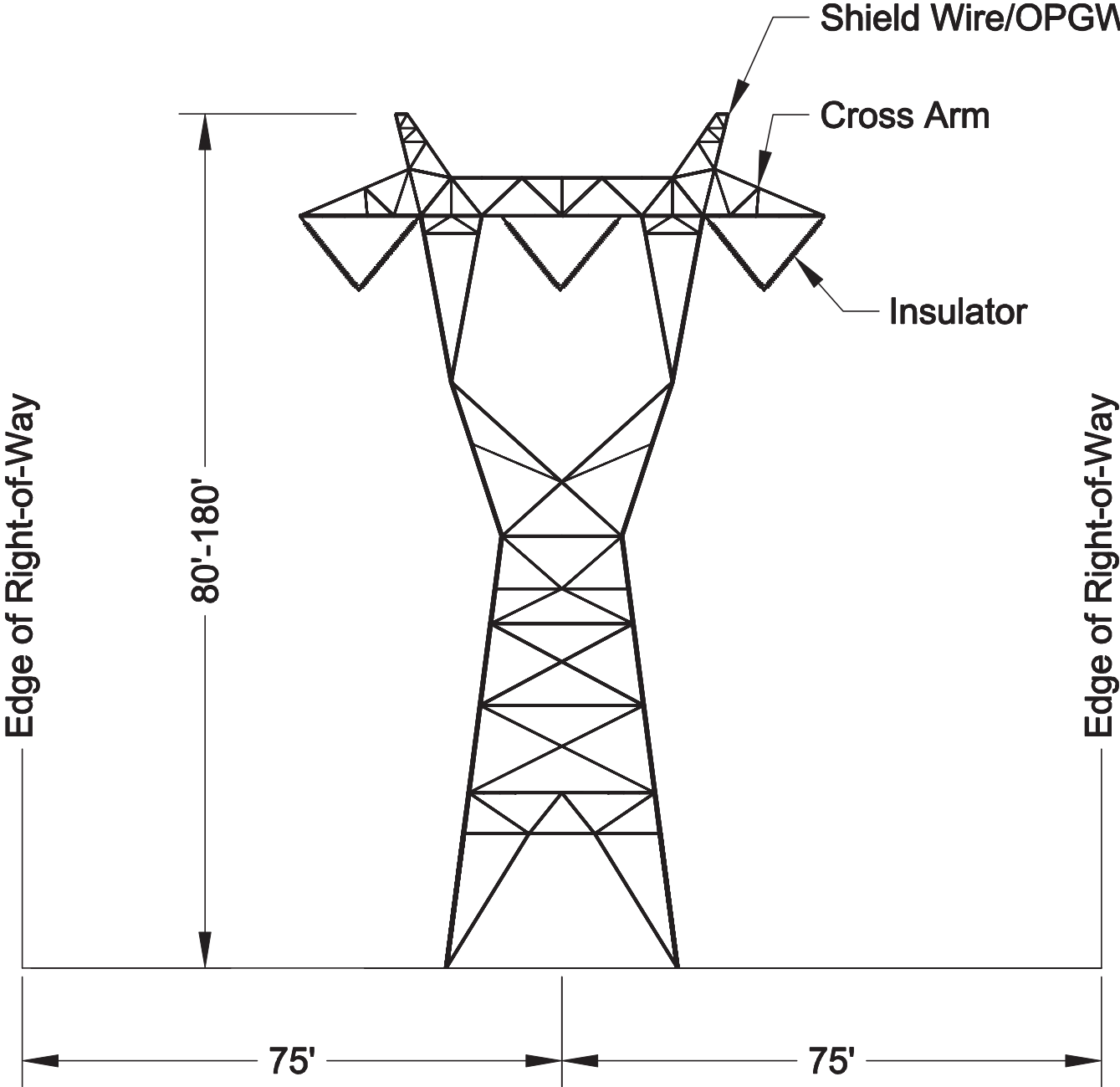
P:\4223_Plains_and_Eastern_EIS\GIS\Layouts\Chapter2\Shelby_Converter.mxd Date Modified: 9/18/2014
 P:\4223_Plains_and_Eastern_EIS\GIS\Layouts\Chapter2\Shelby_Converter.mxd

Data Sources: US Topo Maps (USGS 2014b); Aerial Photography (NAIP 2012a)

Figure 2.1-4: Tennessee Converter Station Siting Area Property Location and Aerial



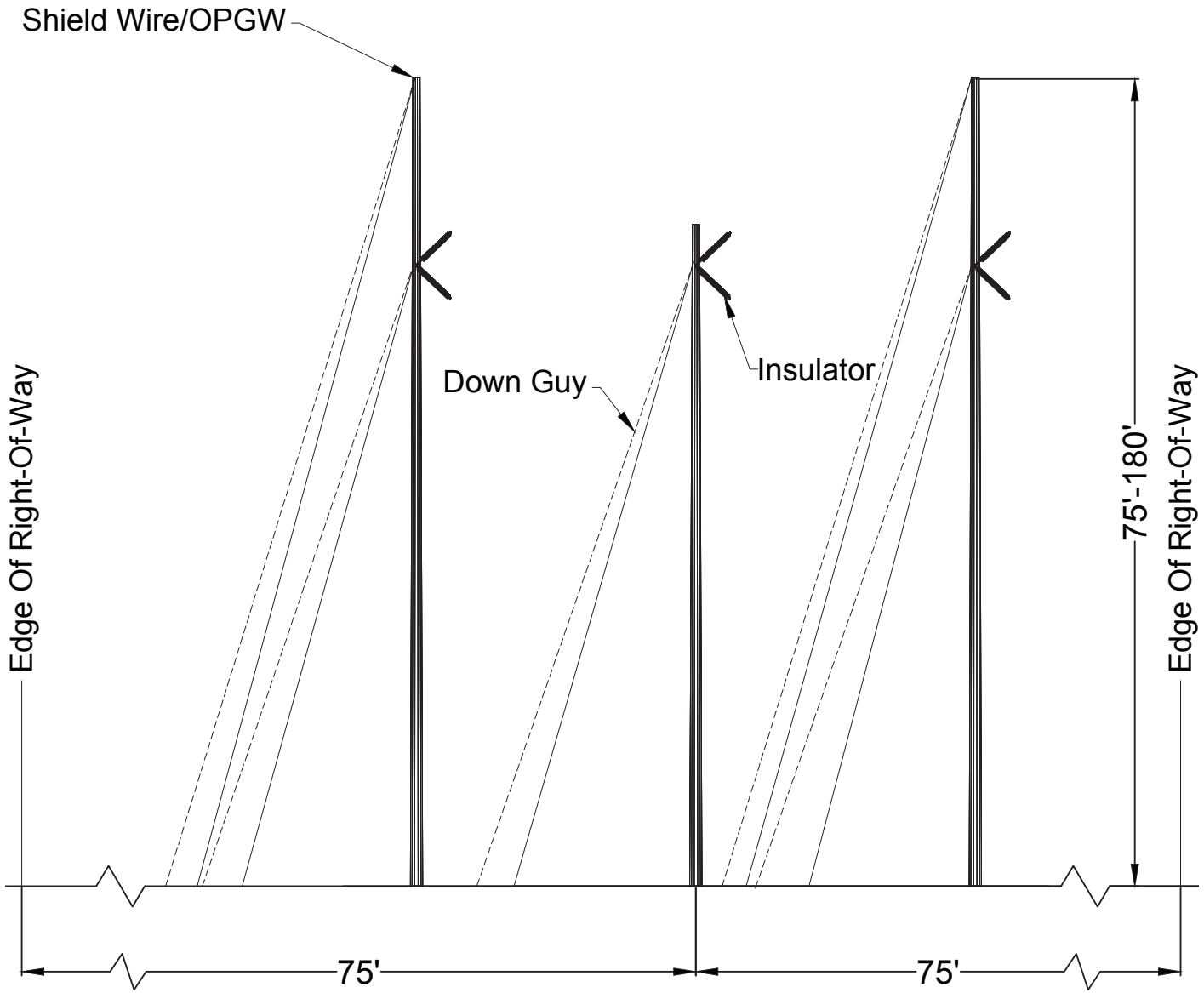
345kV Lattice Deadend



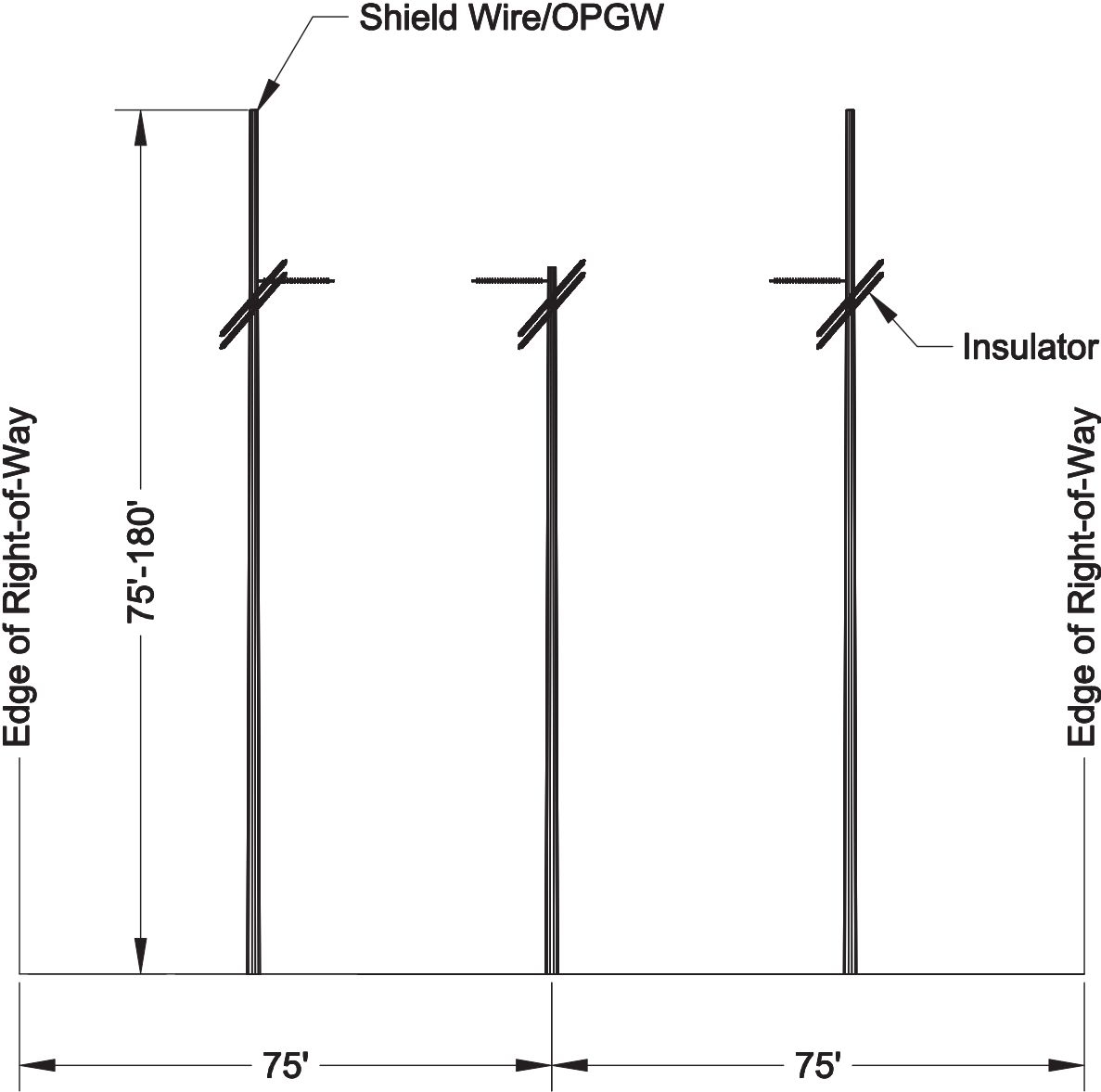
345kV Lattice V-string

Figure 2.1-5: 345kV Lattice Deadend and V-string

Note: Depending on structure height and line angle, guy easements may be required beyond the project 200 foot right-of-way.



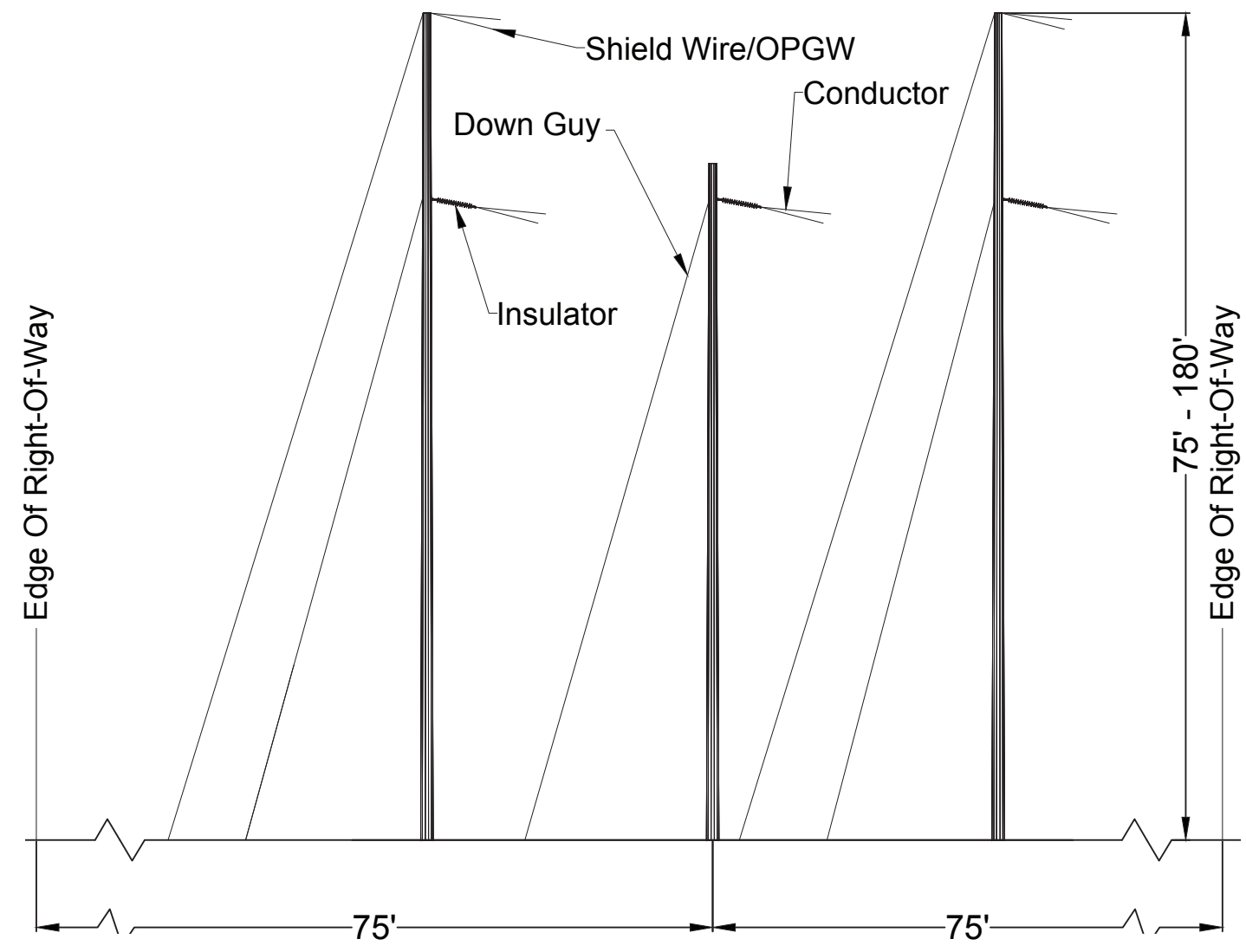
345kV 3-Pole Guyed Deadend



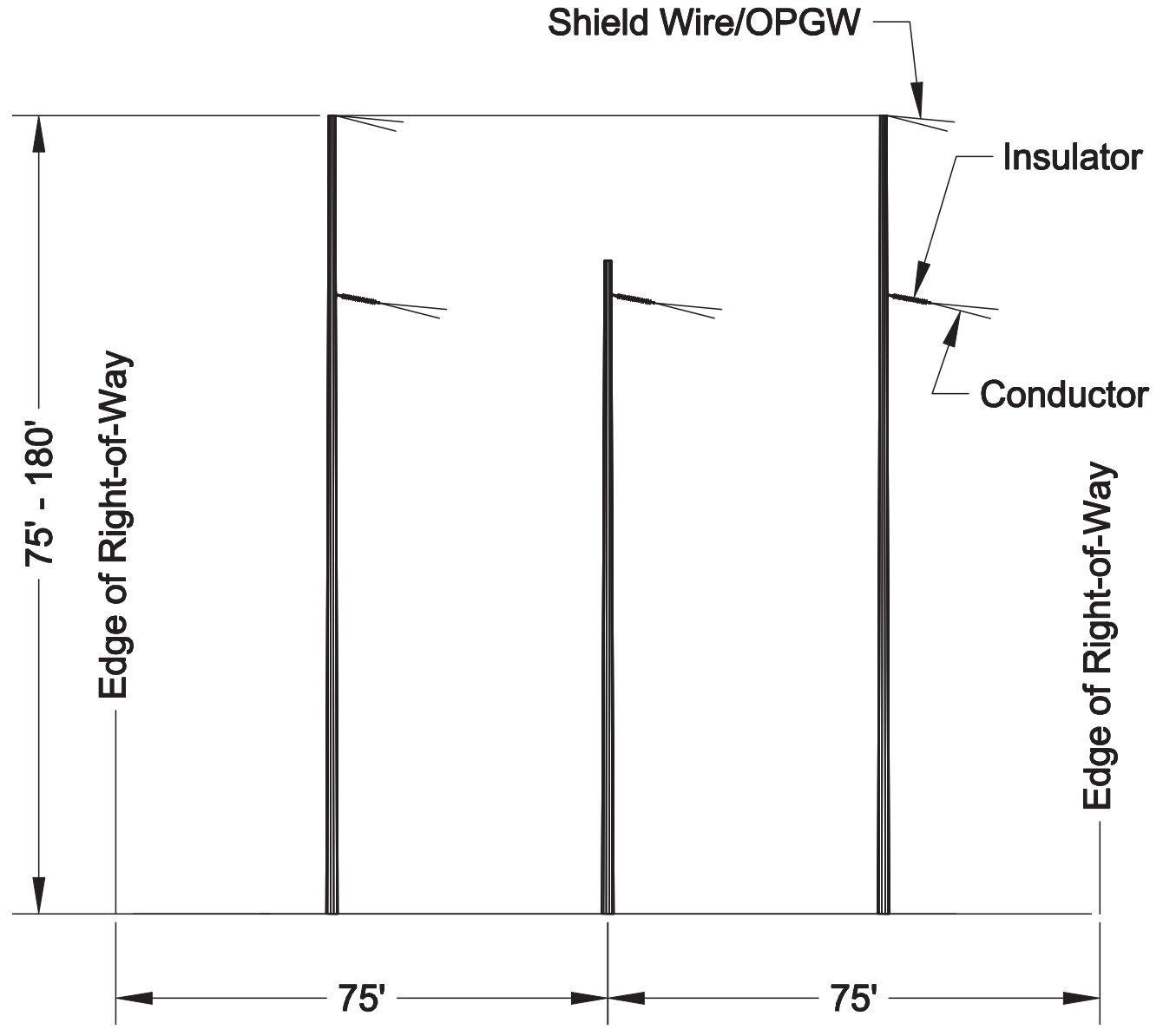
345kV 3-Pole Deadend

Figure 2.1-6: 345kV 3-Pole Guyed Deadend and Deadend

Note: Depending on structure height and line angle, guy easements may be required beyond the project 200 foot right-of-way.



345kV 3-Pole Guyed Running Angle



345kV 3-Pole Running Angle

Figure 2.1-7: 345kV 3-Pole Guyed Running Angle and Running Angle

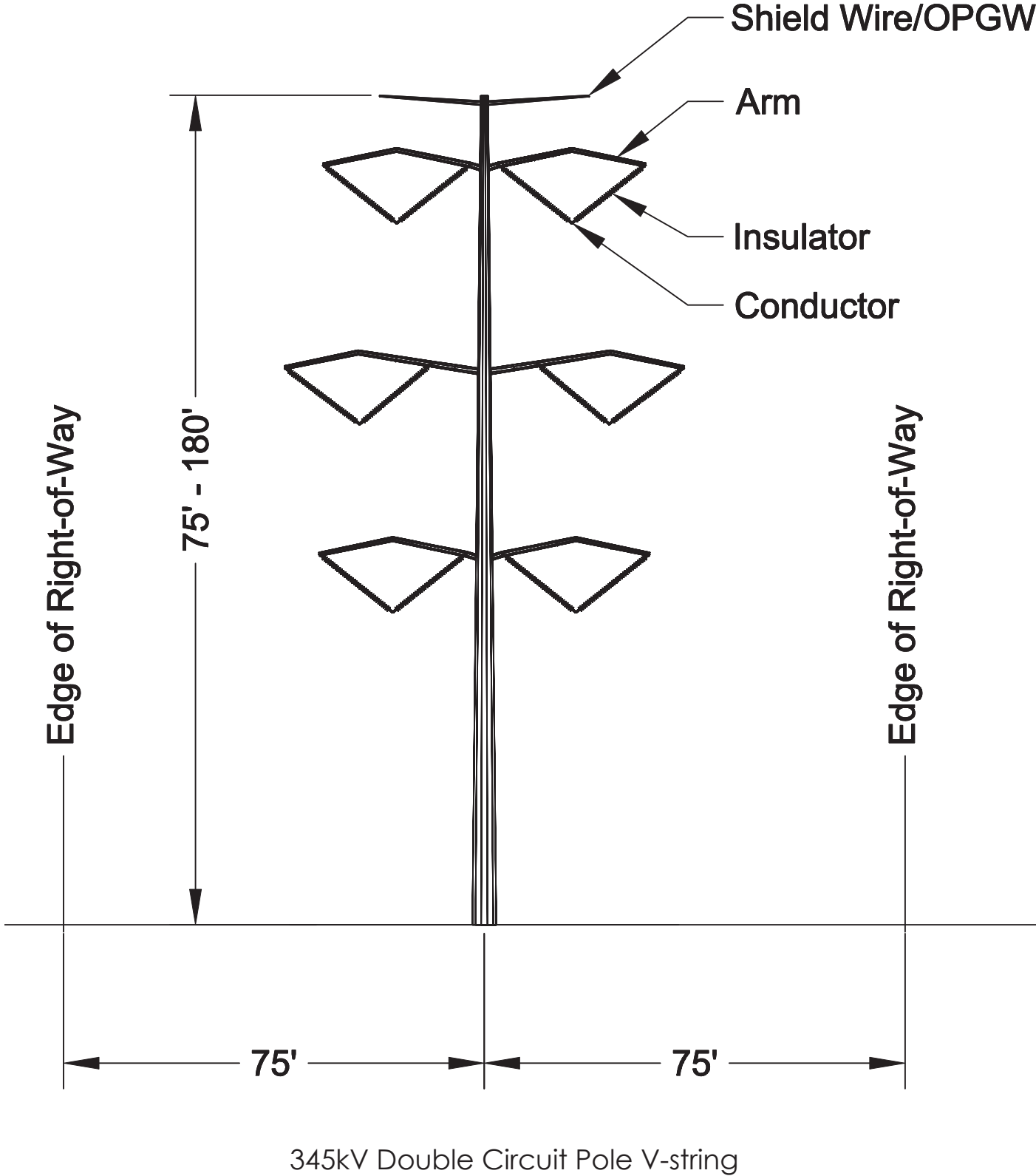
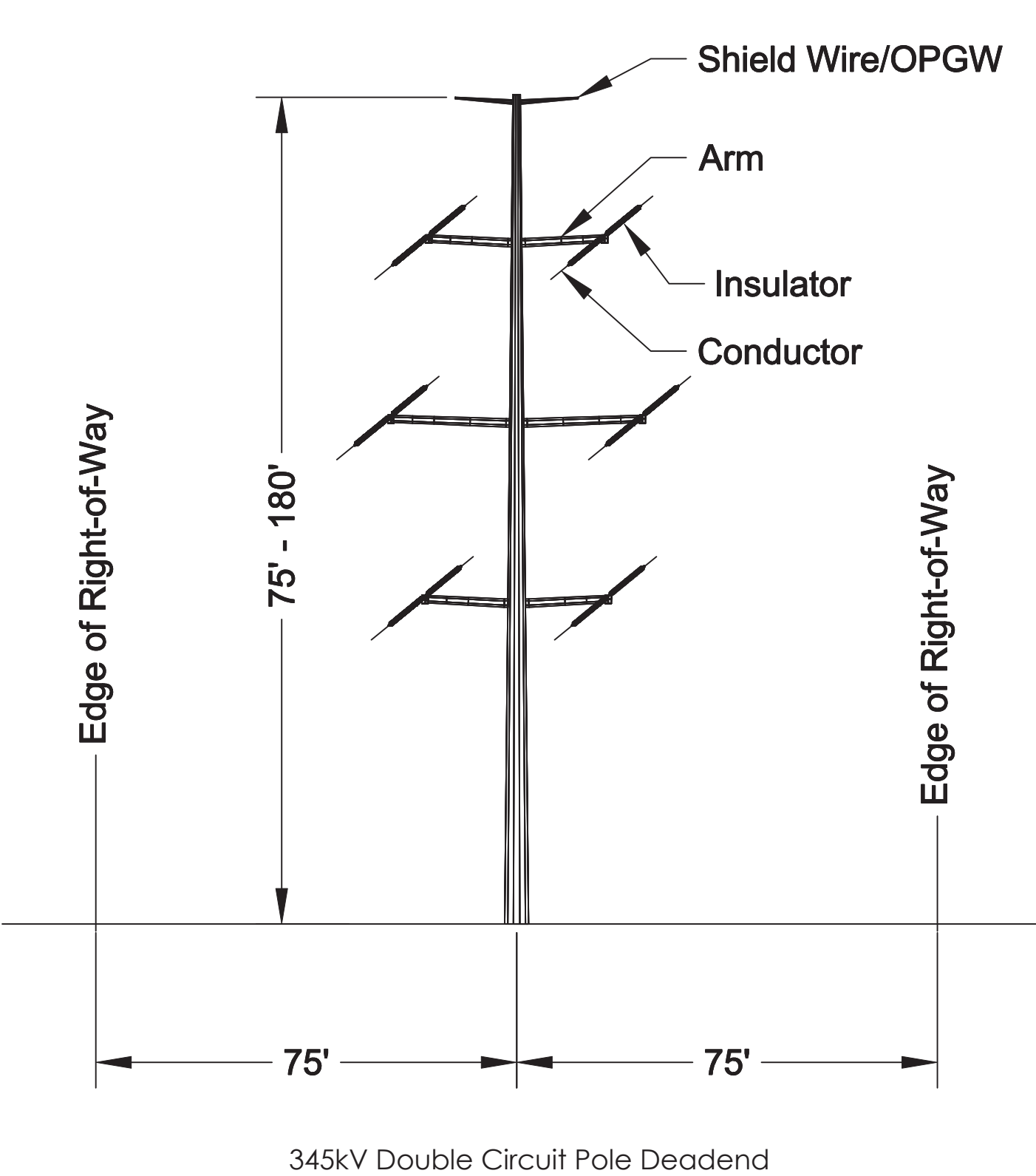
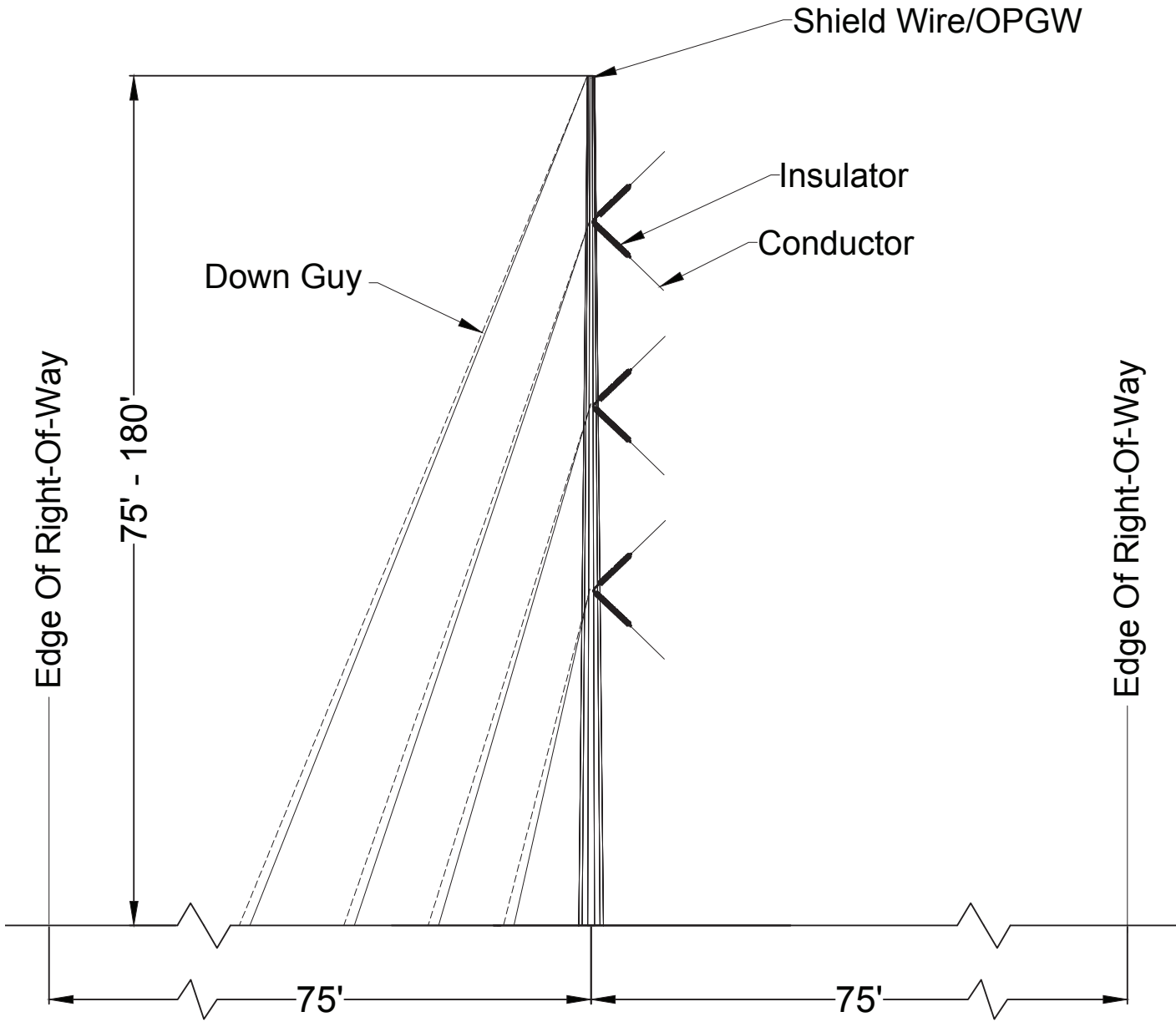
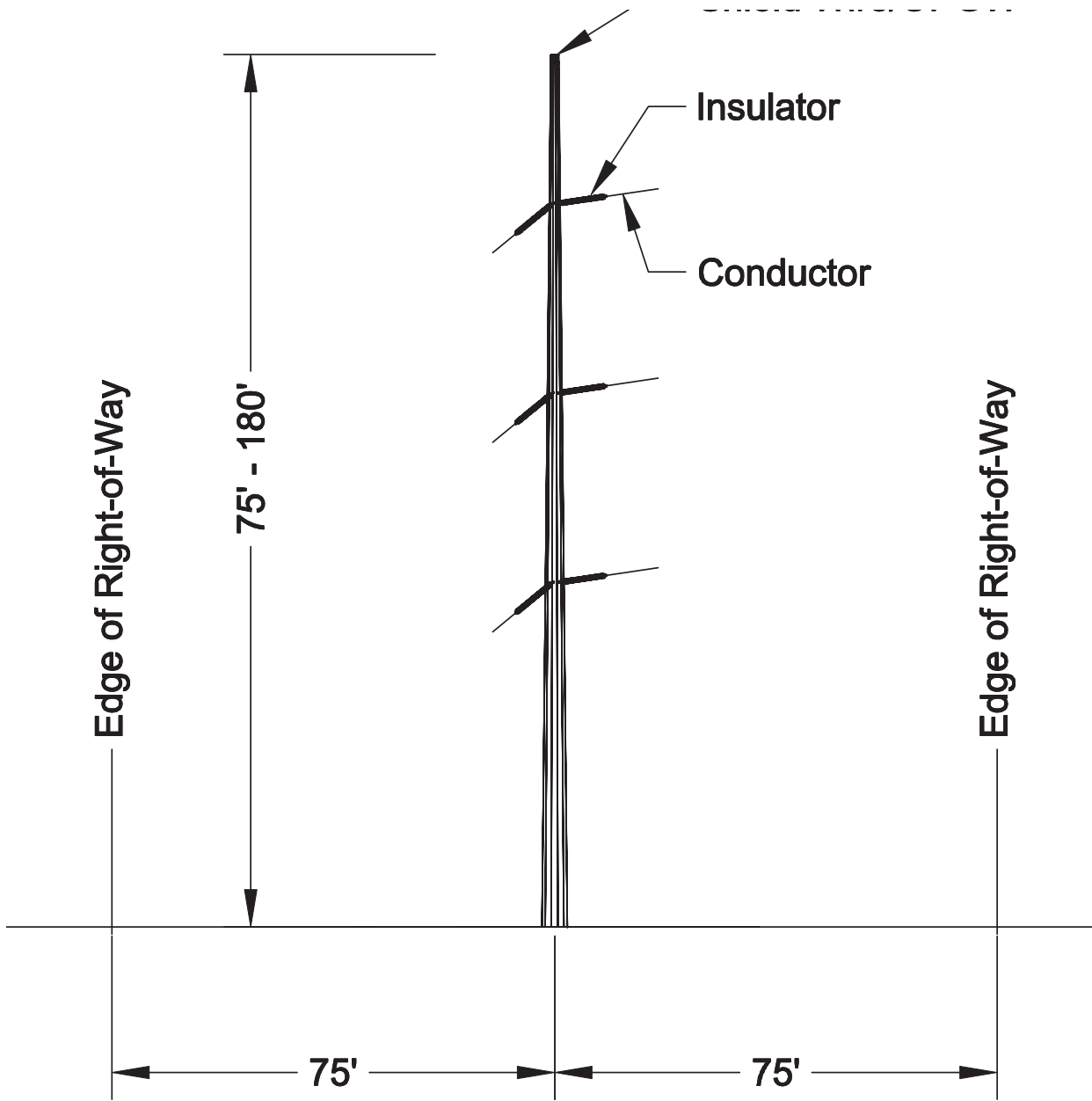


Figure 2.1-8: 345kV Double Circuit Pole Deadend and V-string

Note: Depending on structure height and line angle, guy easements may be required beyond the project 200 foot right-of-way.



345kV Single Circuit Guyed Pole Deadend



345kV Single Circuit Pole Deadend

Figure 2.1-9: 345kV Lattice Single Circuit Guyed Pole Deadend and Deadend

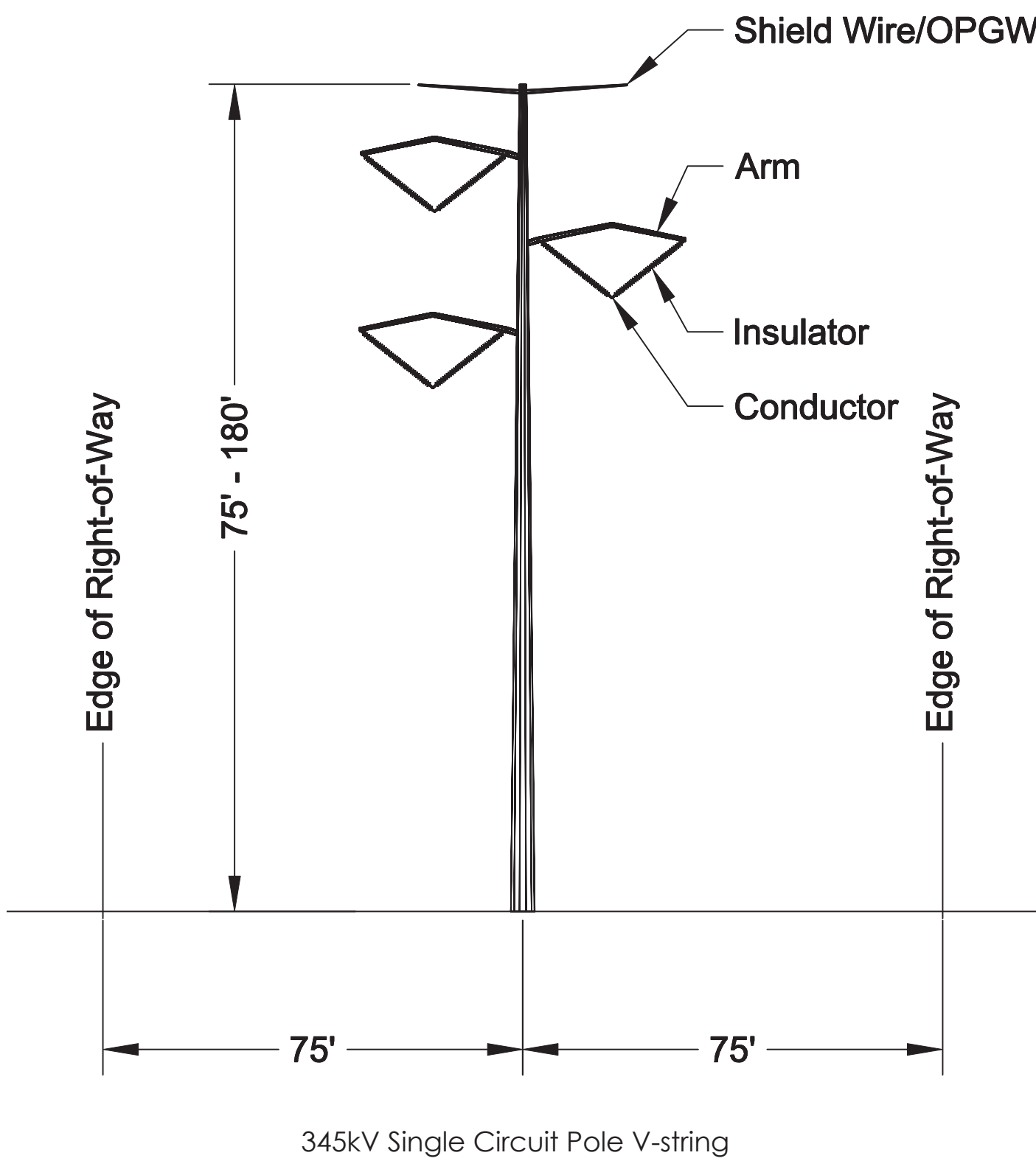
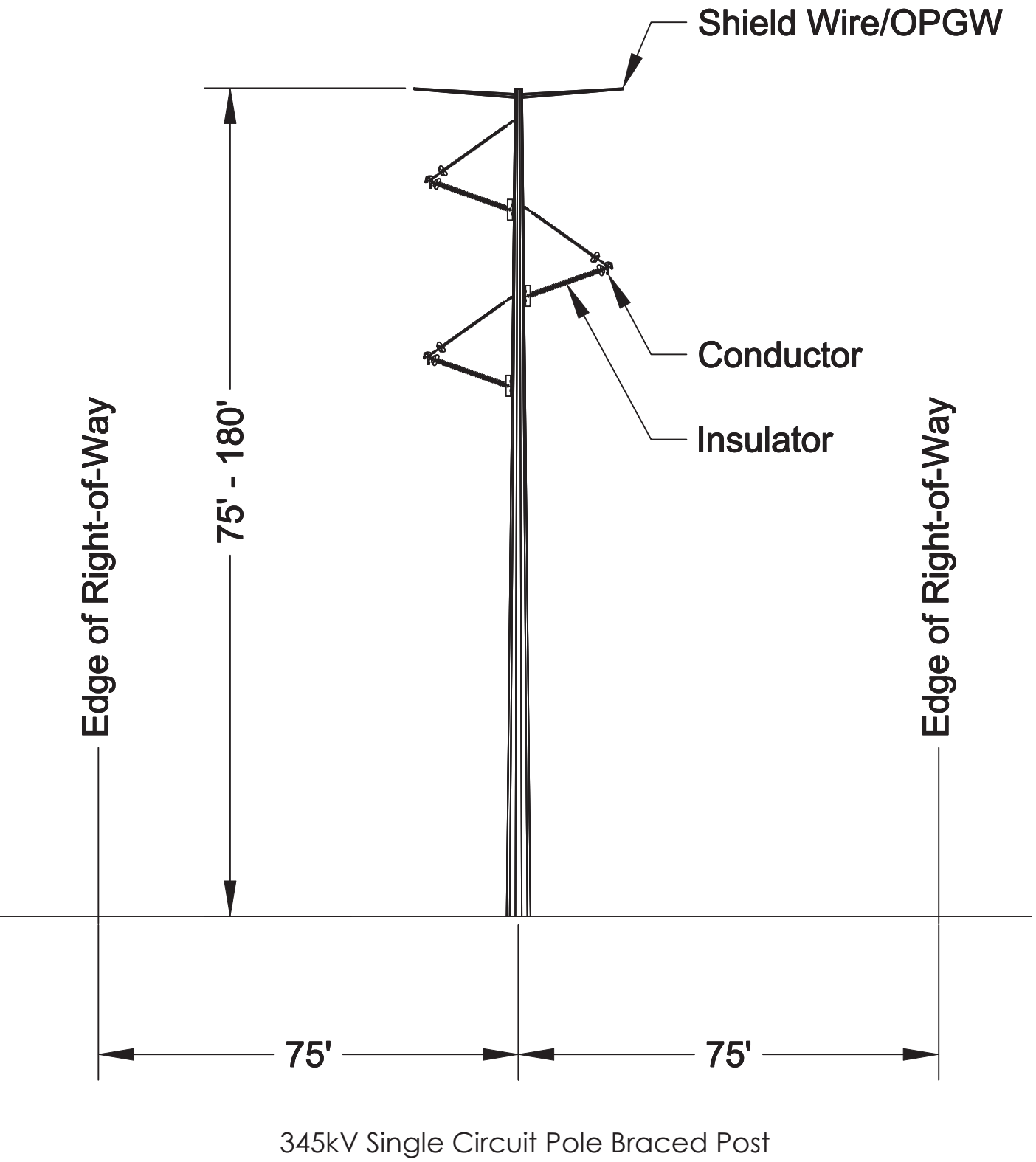
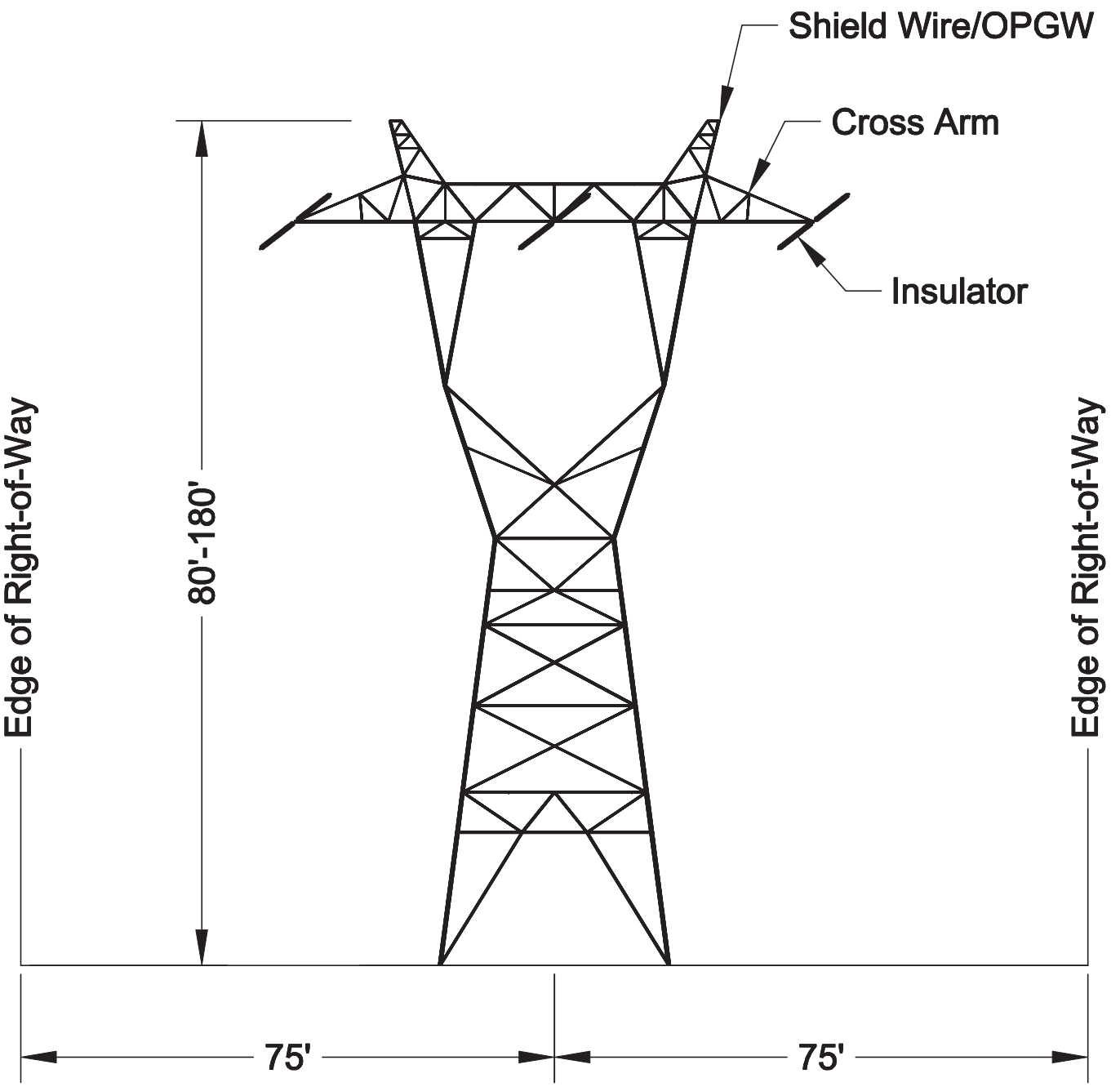
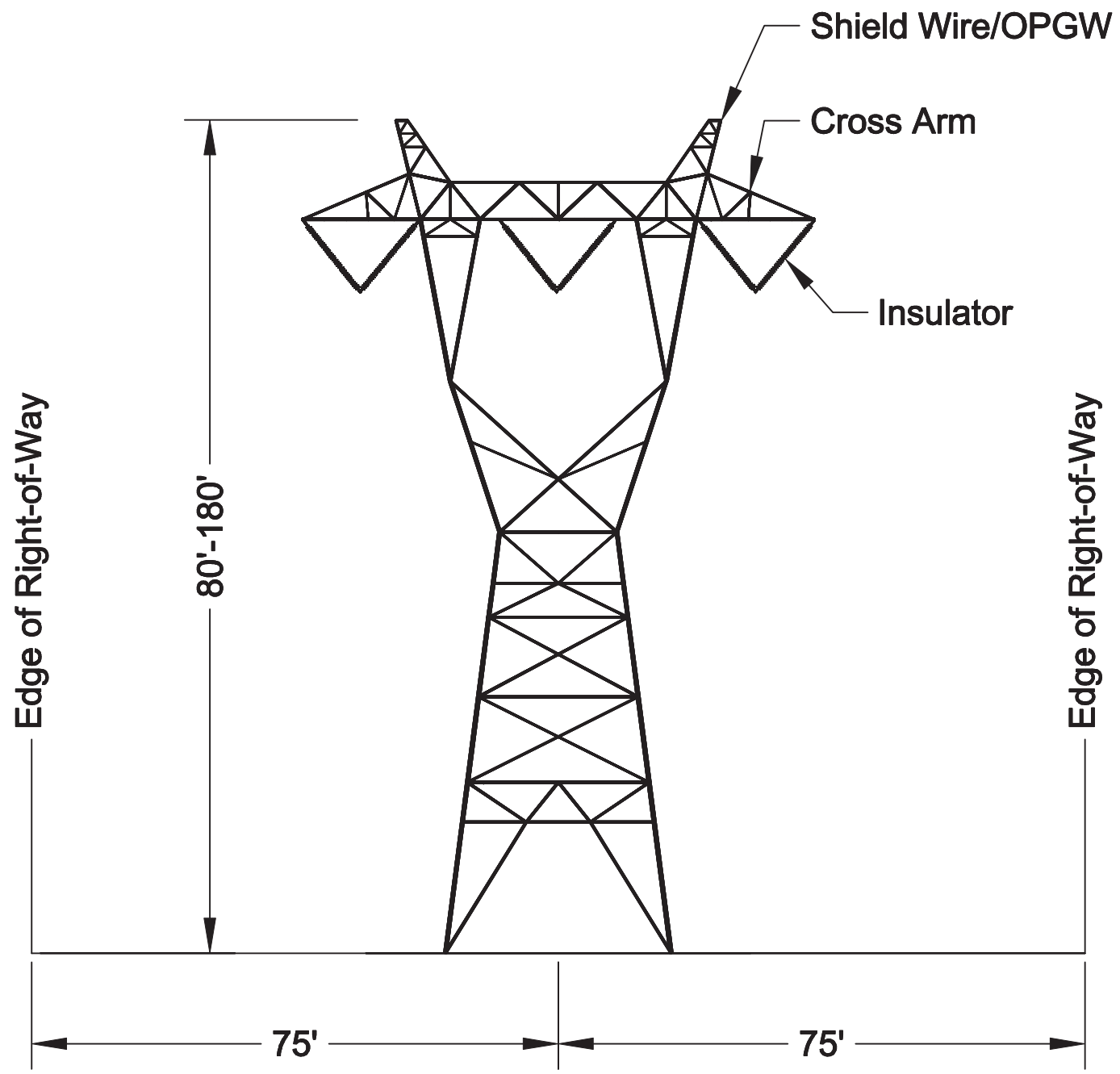


Figure 2.1-10: 345kV Lattice Single Circuit Pole Braced Post and V-string



500kV Lattice Deadend



500kV Lattice V-string

Figure 2.1-11: 500kV Lattice Deadend and V-string

Note: Depending on structure height and line angle, guy easements may be required beyond the project 200 foot right-of-way.

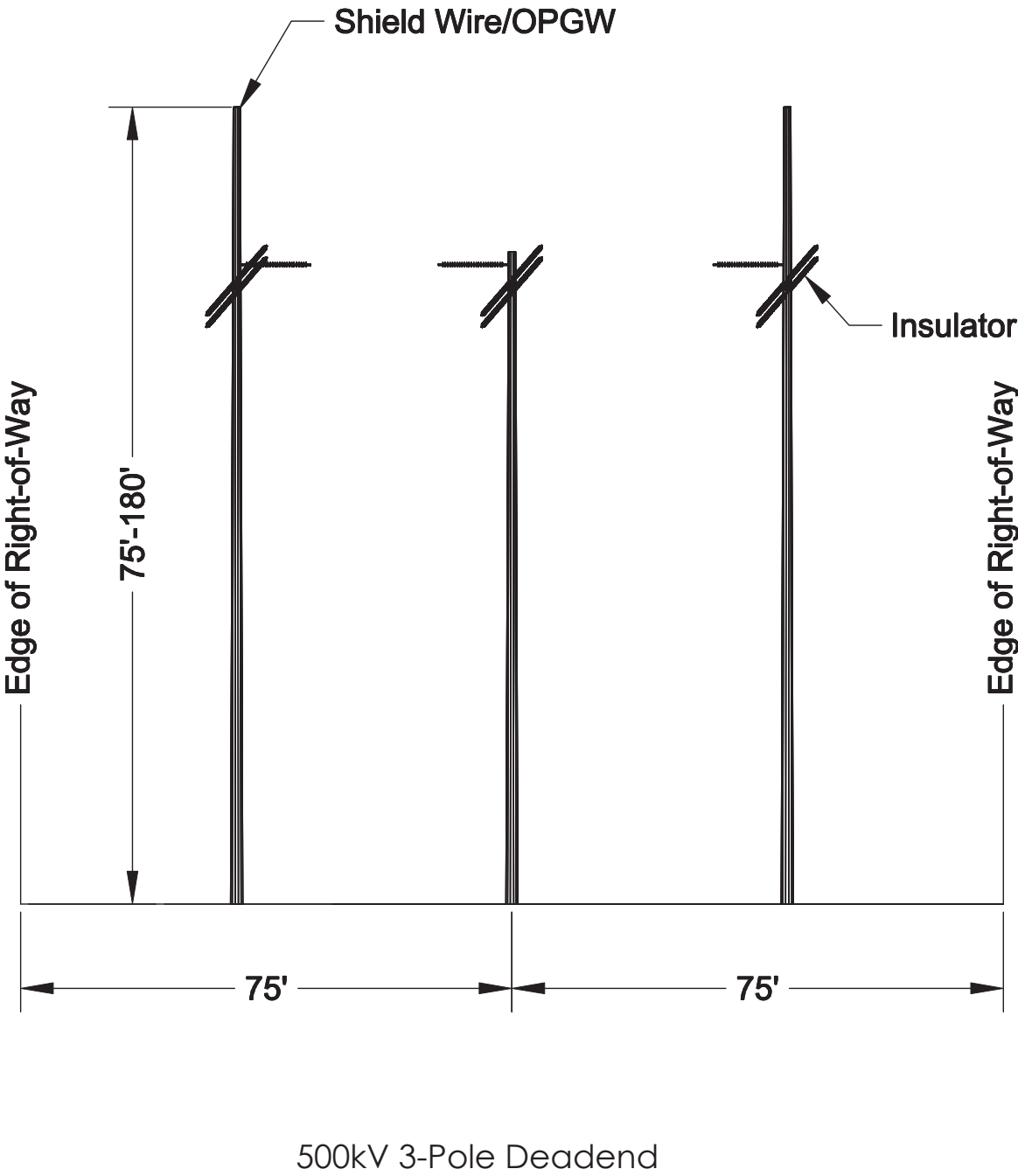
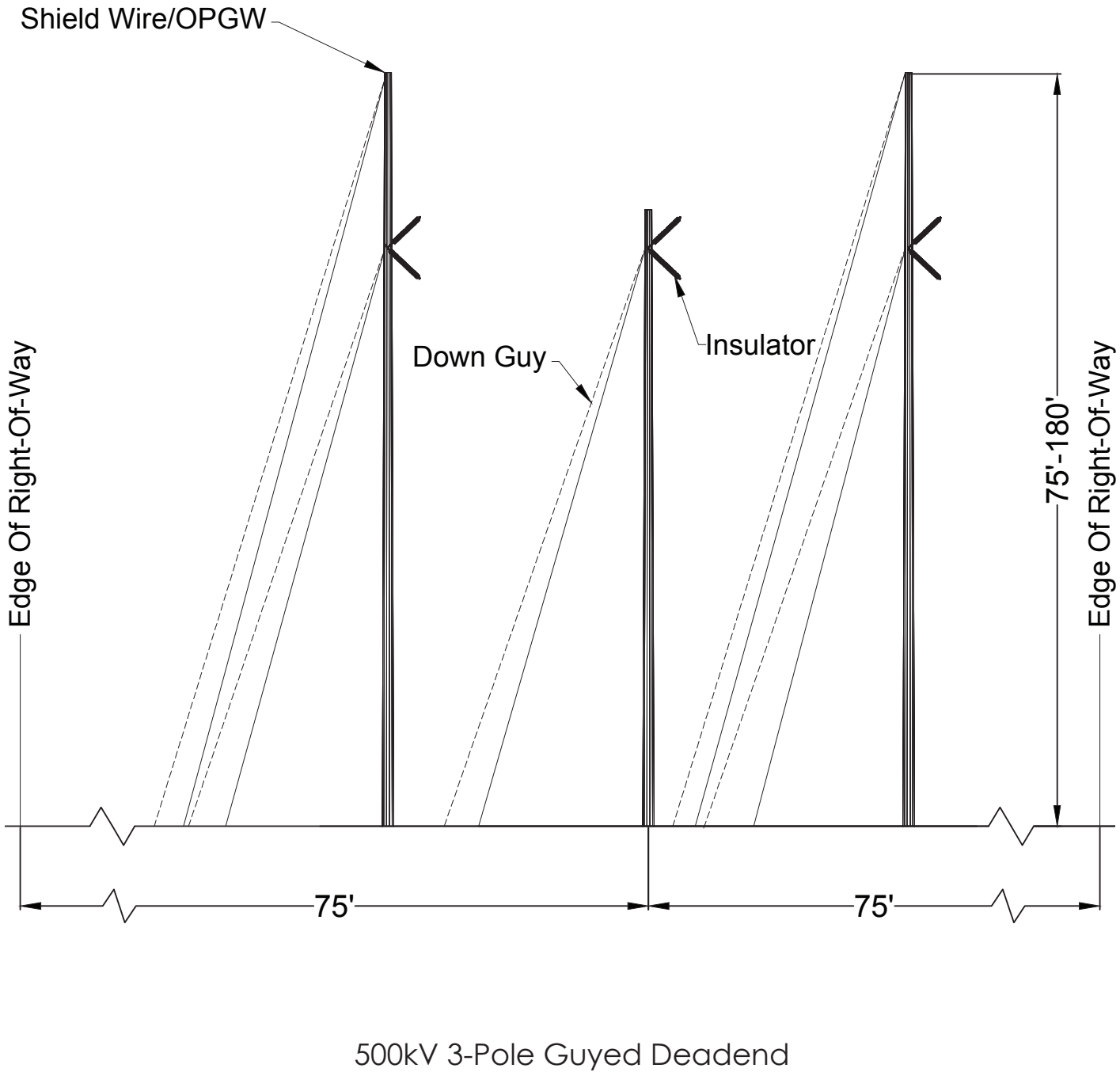
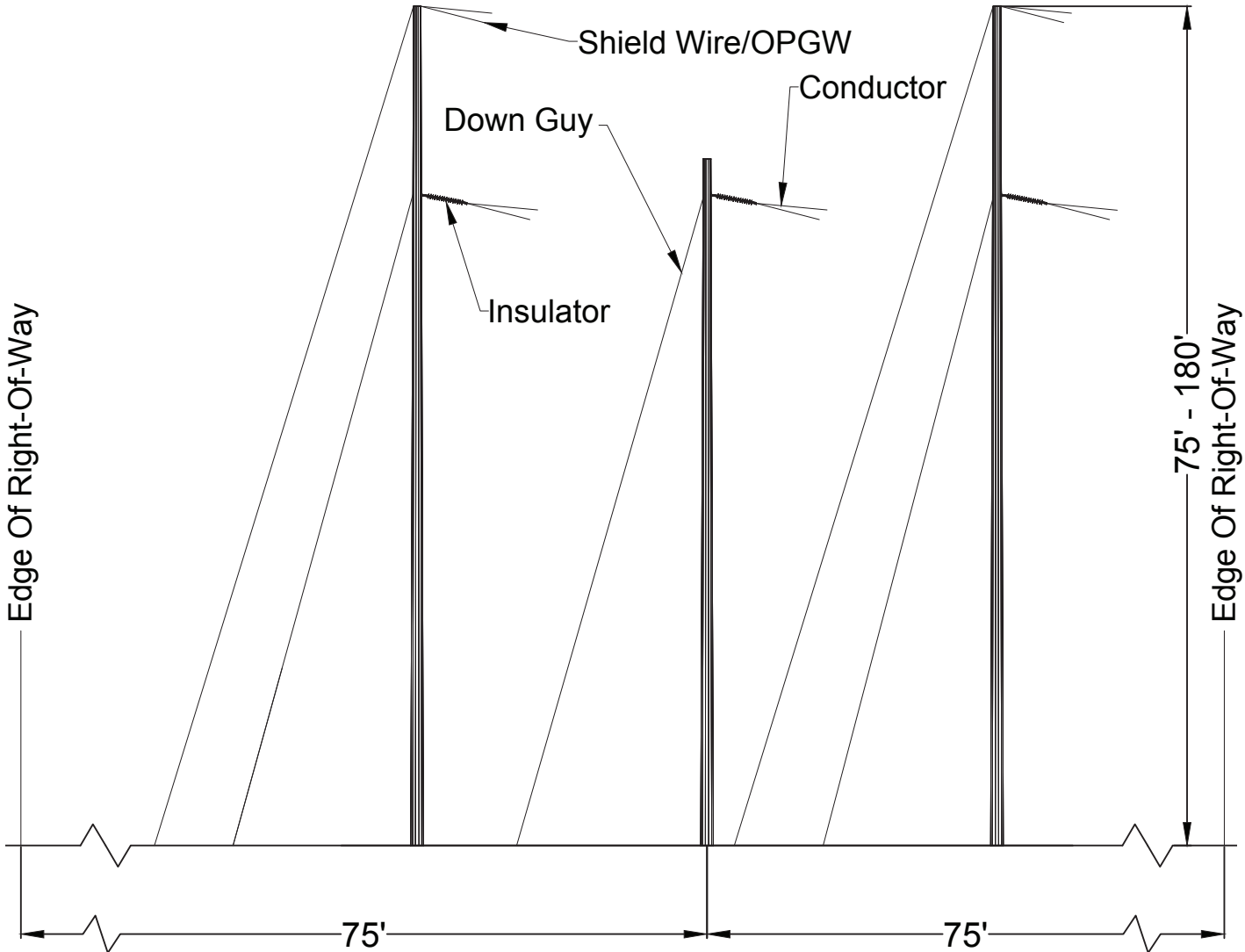
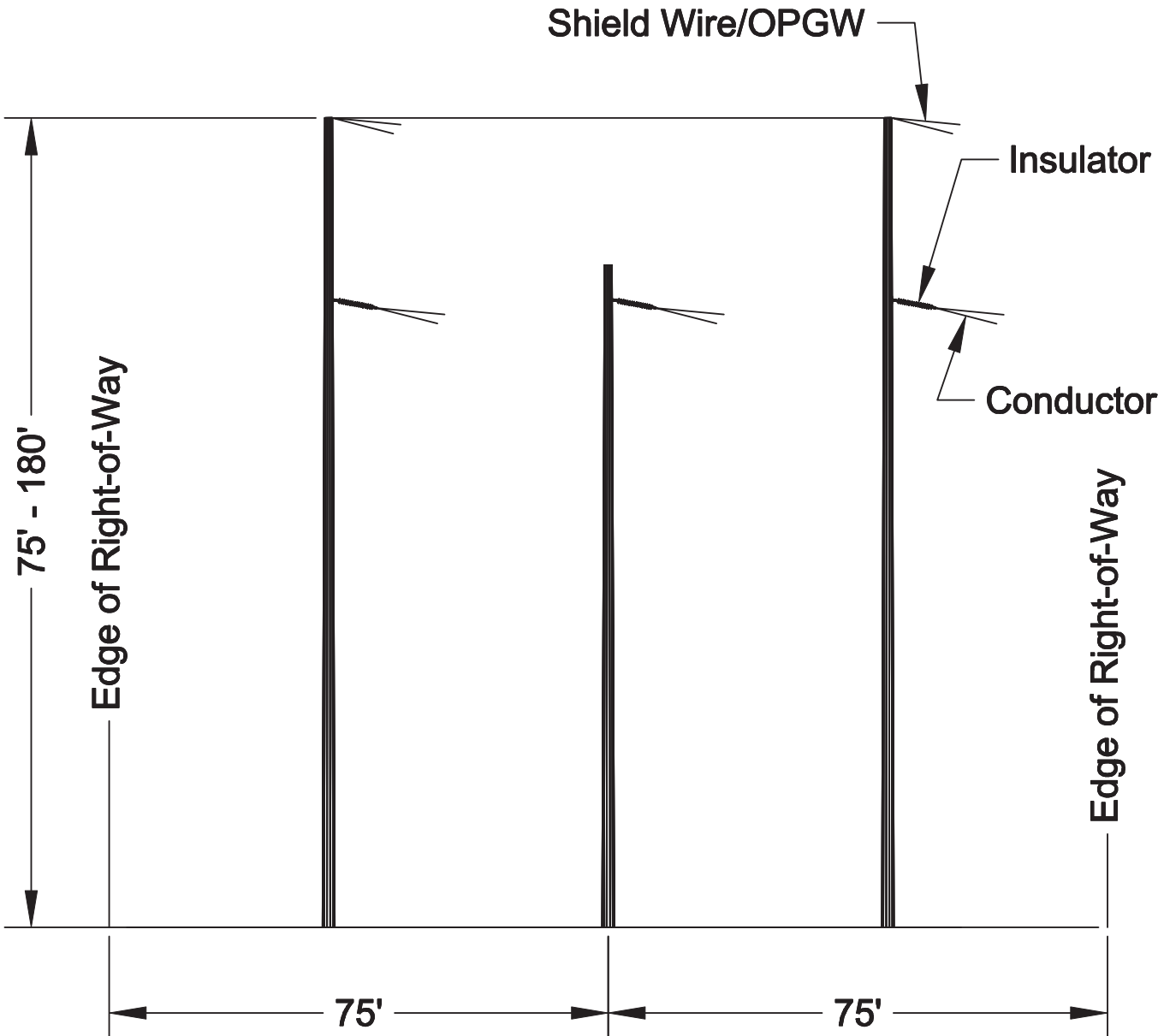


Figure 2.1-12: 500kV 3-Pole Guyed Deadend and Deadend

Note: Depending on structure height and line angle, guy easements may be required beyond the project 200 foot right-of-way.



500kV 3-Pole Guyed Running Angle



500kV 3-Pole Running Angle

Figure 2.1-13: 500kV 3-Pole Guyed Running Angle and Running Angle

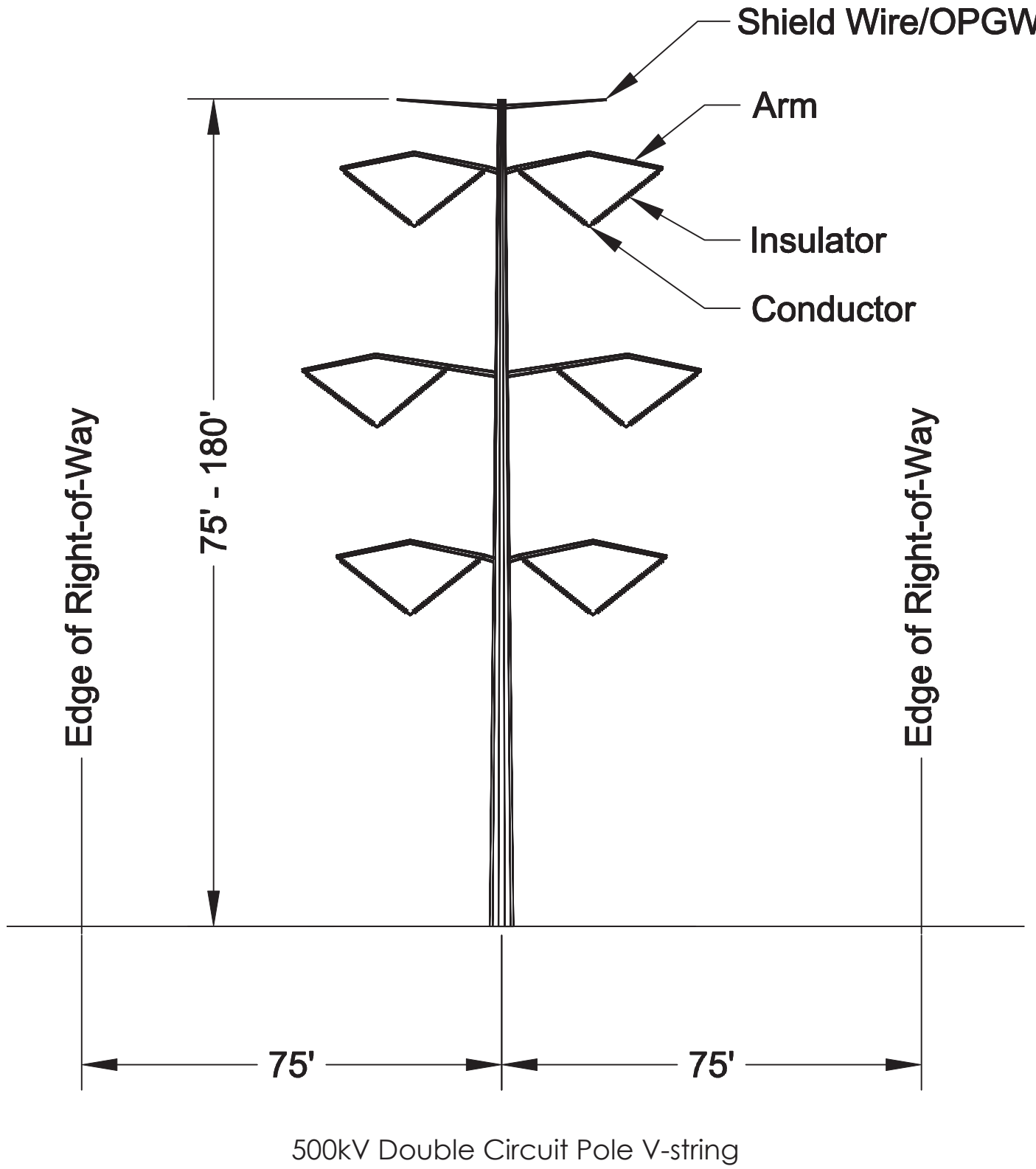
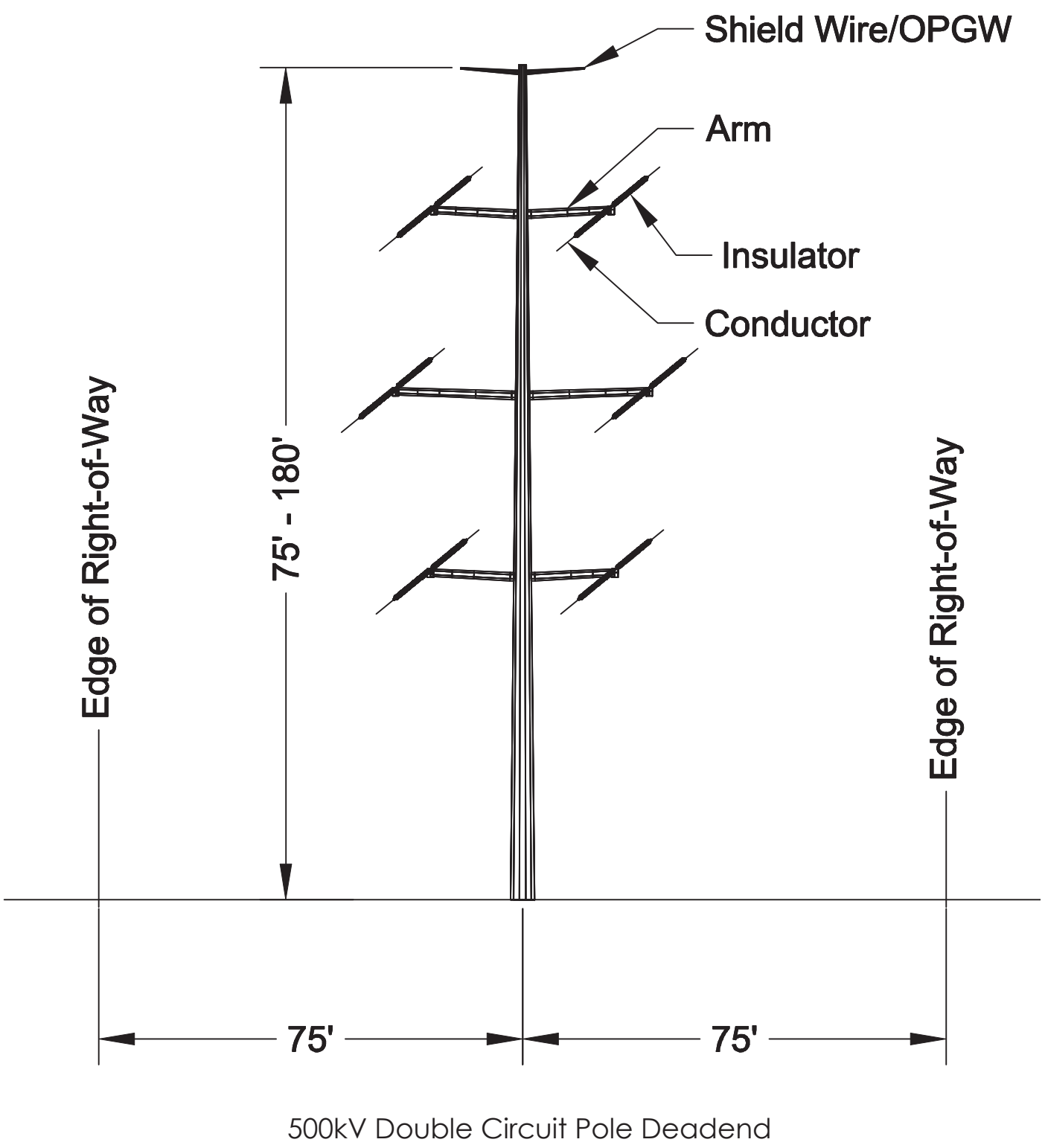


Figure 2.1-14: 500kV Double Circuit Pole Deadend and V-string

Note: Depending on structure height and line angle, guy easements may be required beyond the project 200 foot right-of-way.

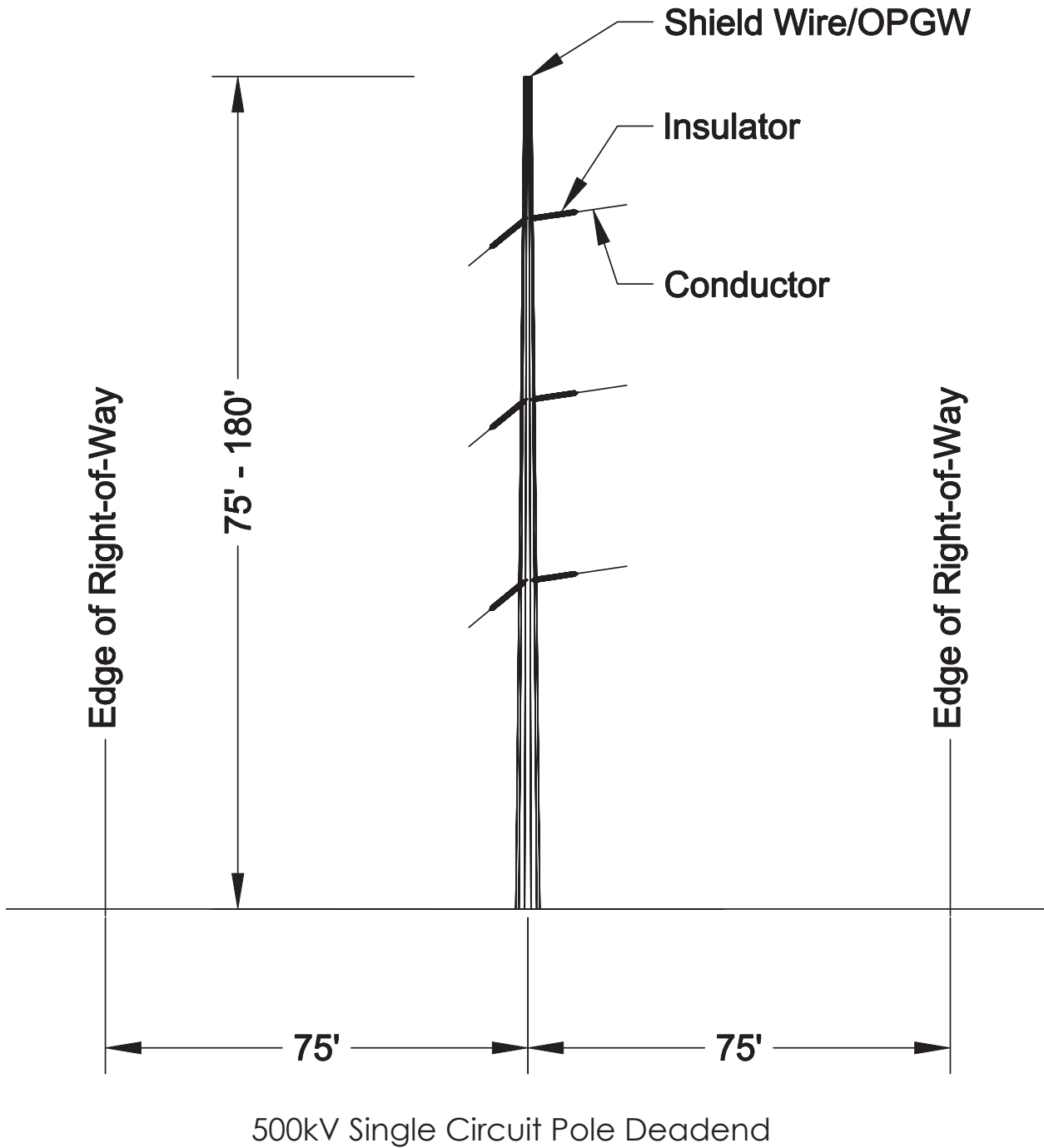
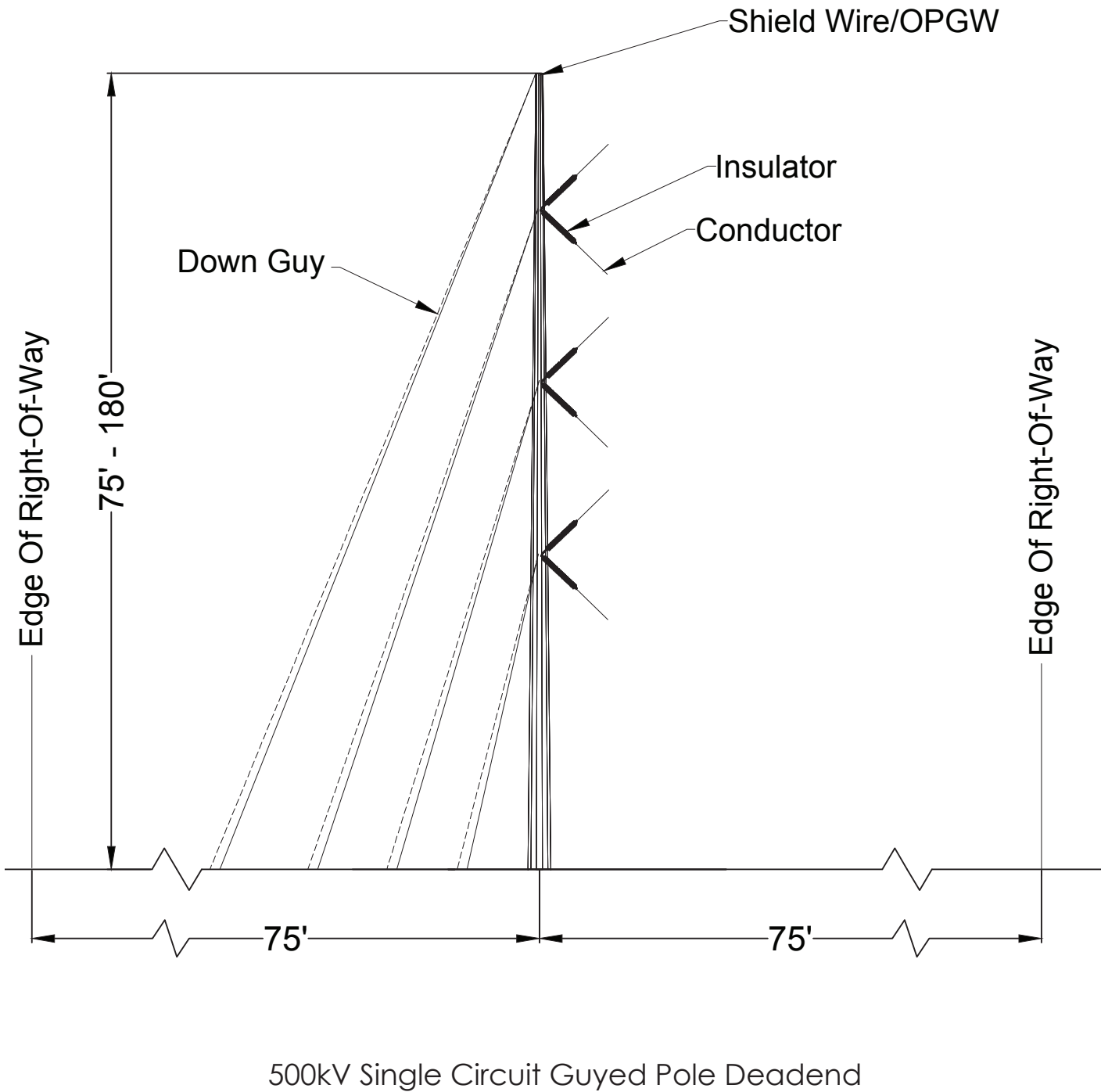


Figure 2.1-15: 500kV Lattice Single Circuit Guyed Pole Deadend and Deadend

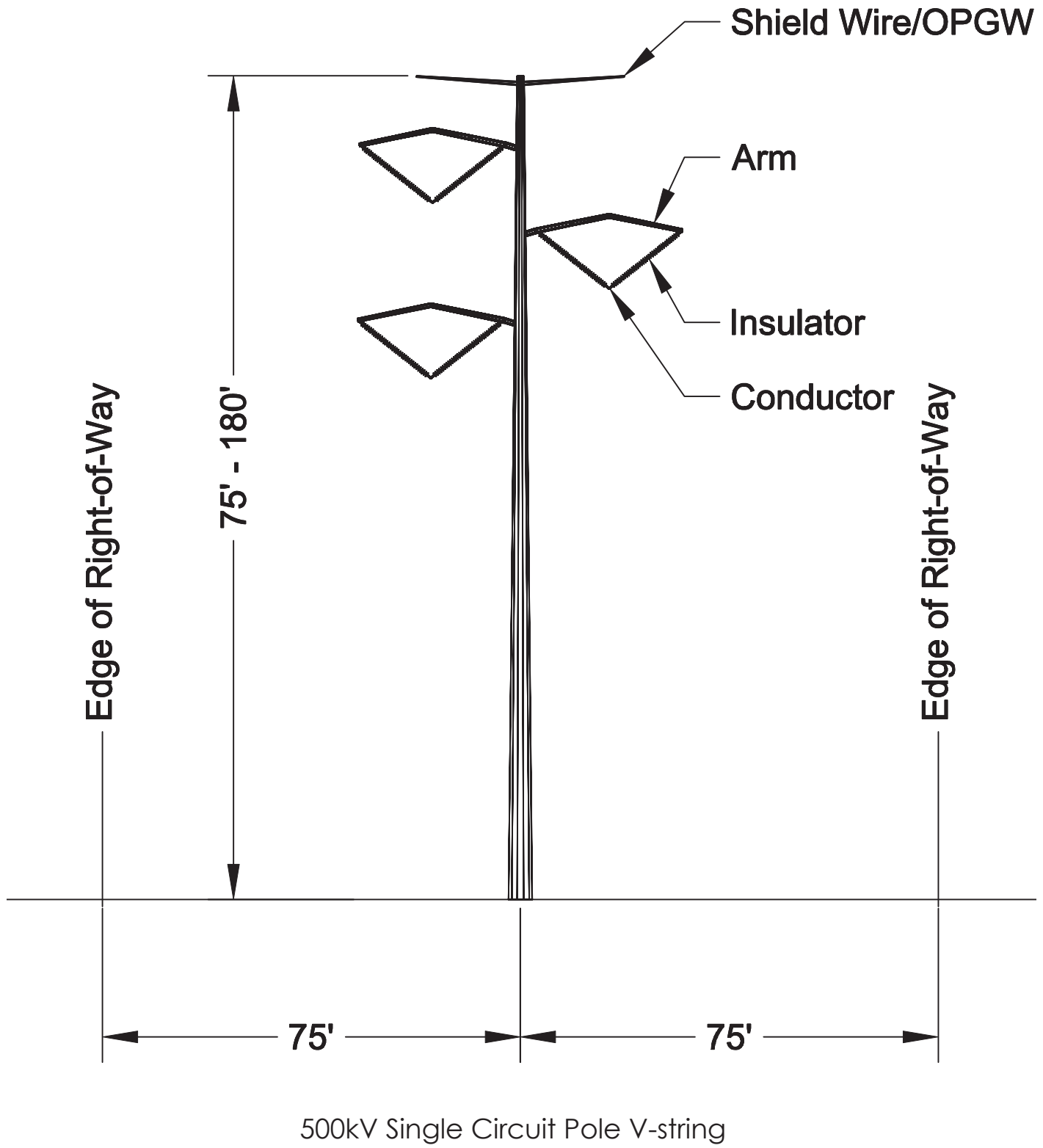
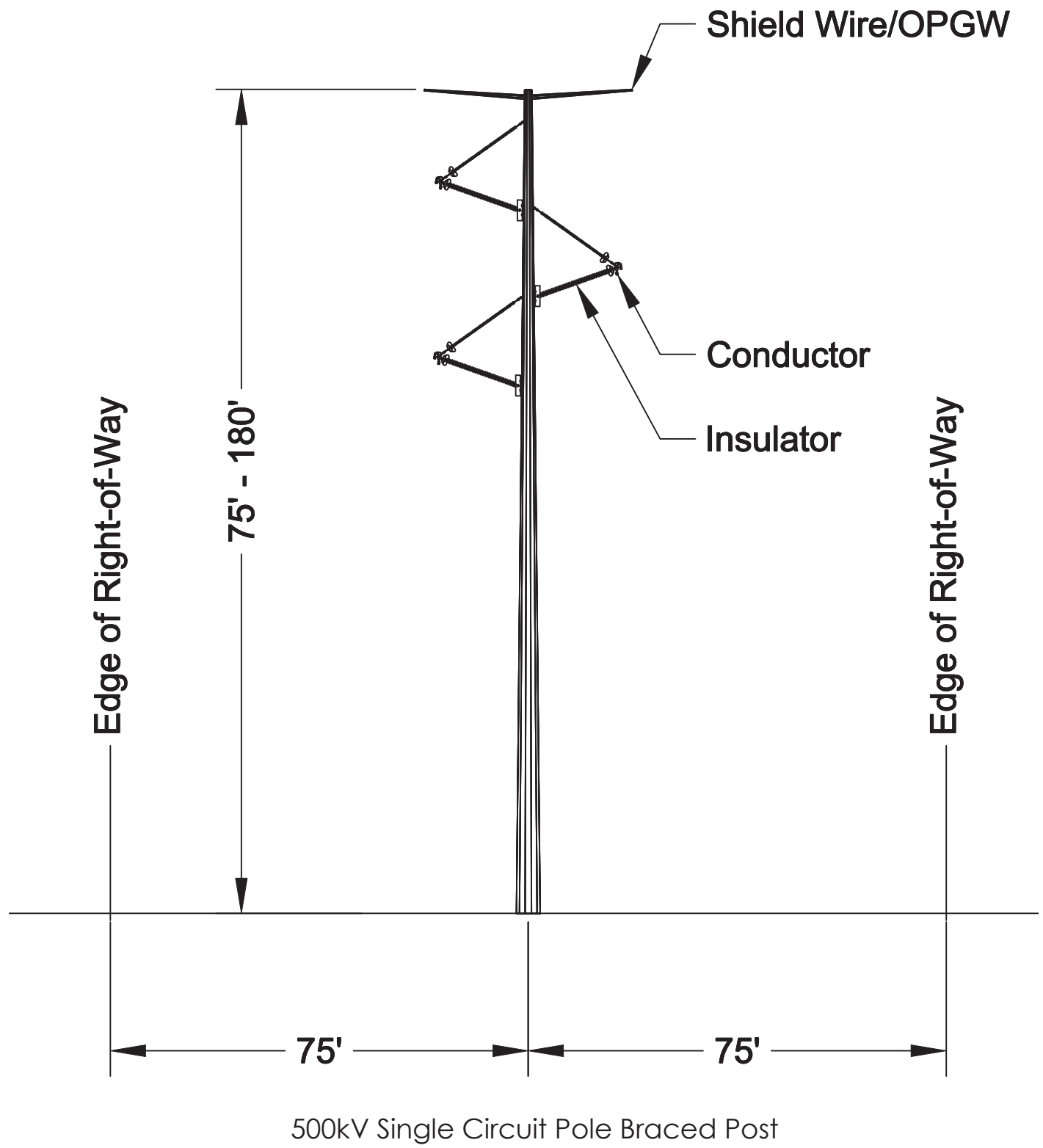


Figure 2.1-16: 500kV Single Circuit Pole Braced Post and V-string

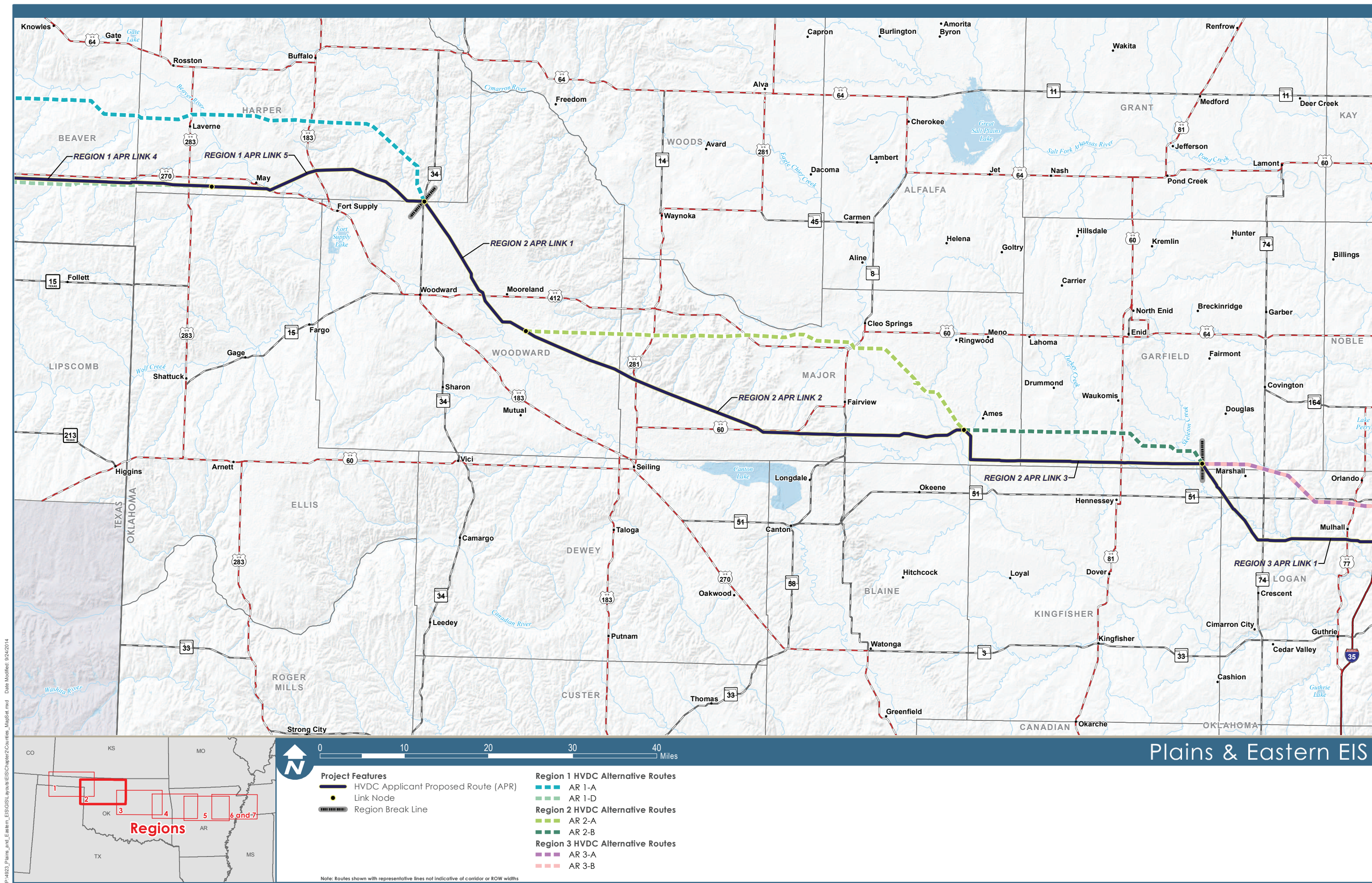


Figure 2.1-17b: Counties Crossed by Project Features

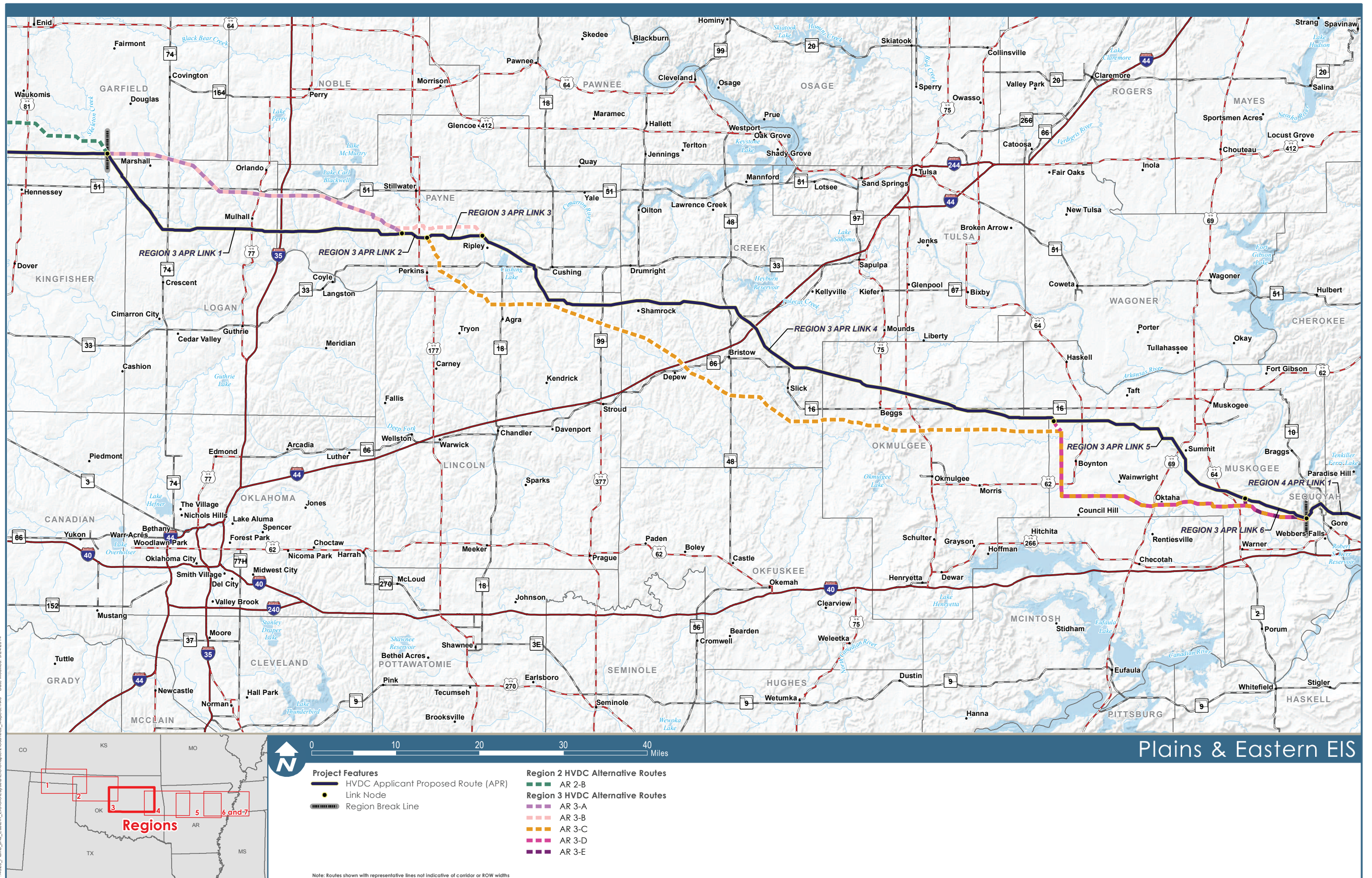


Figure 2.1-17c: Counties Crossed by Project Features

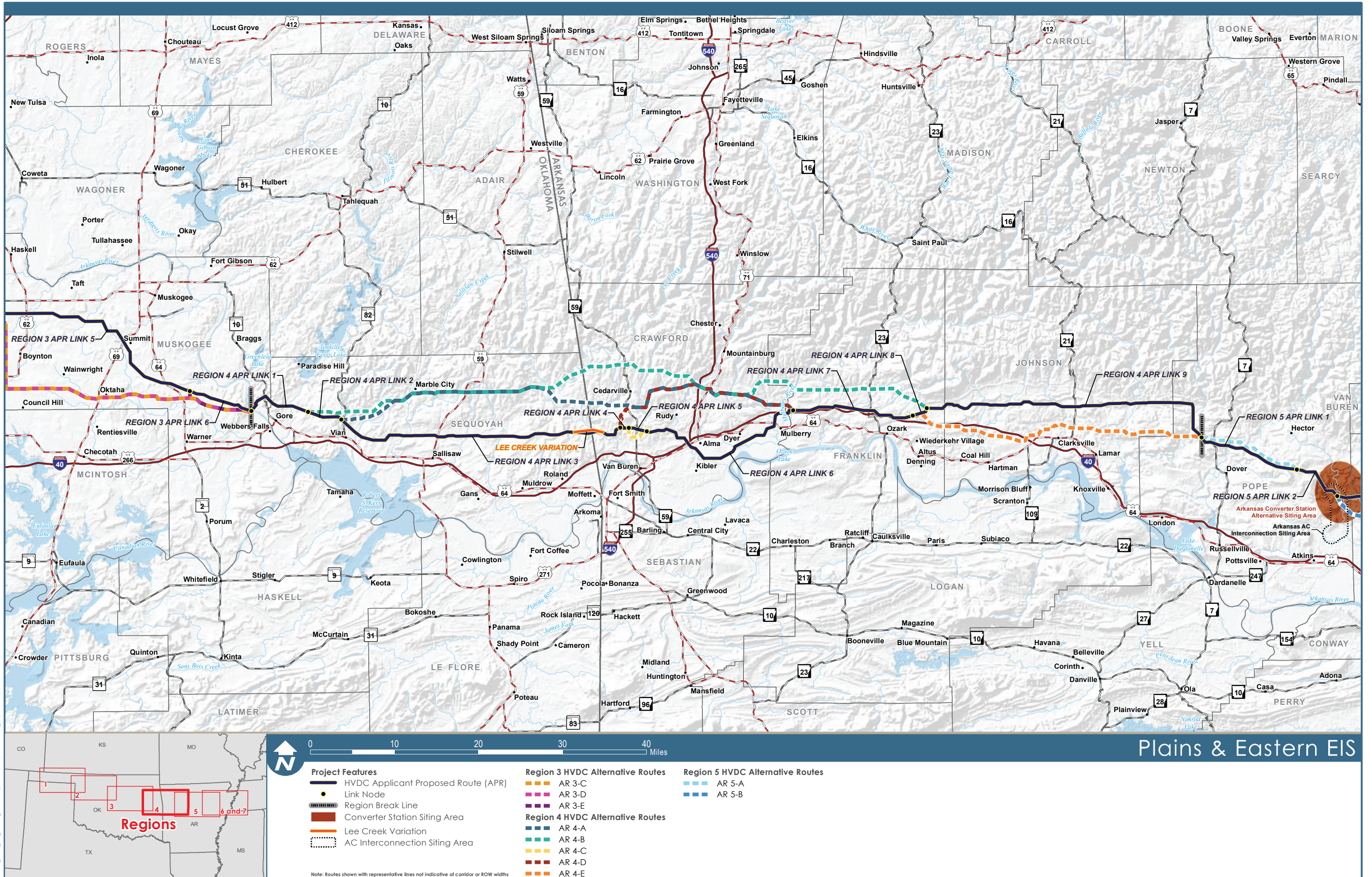
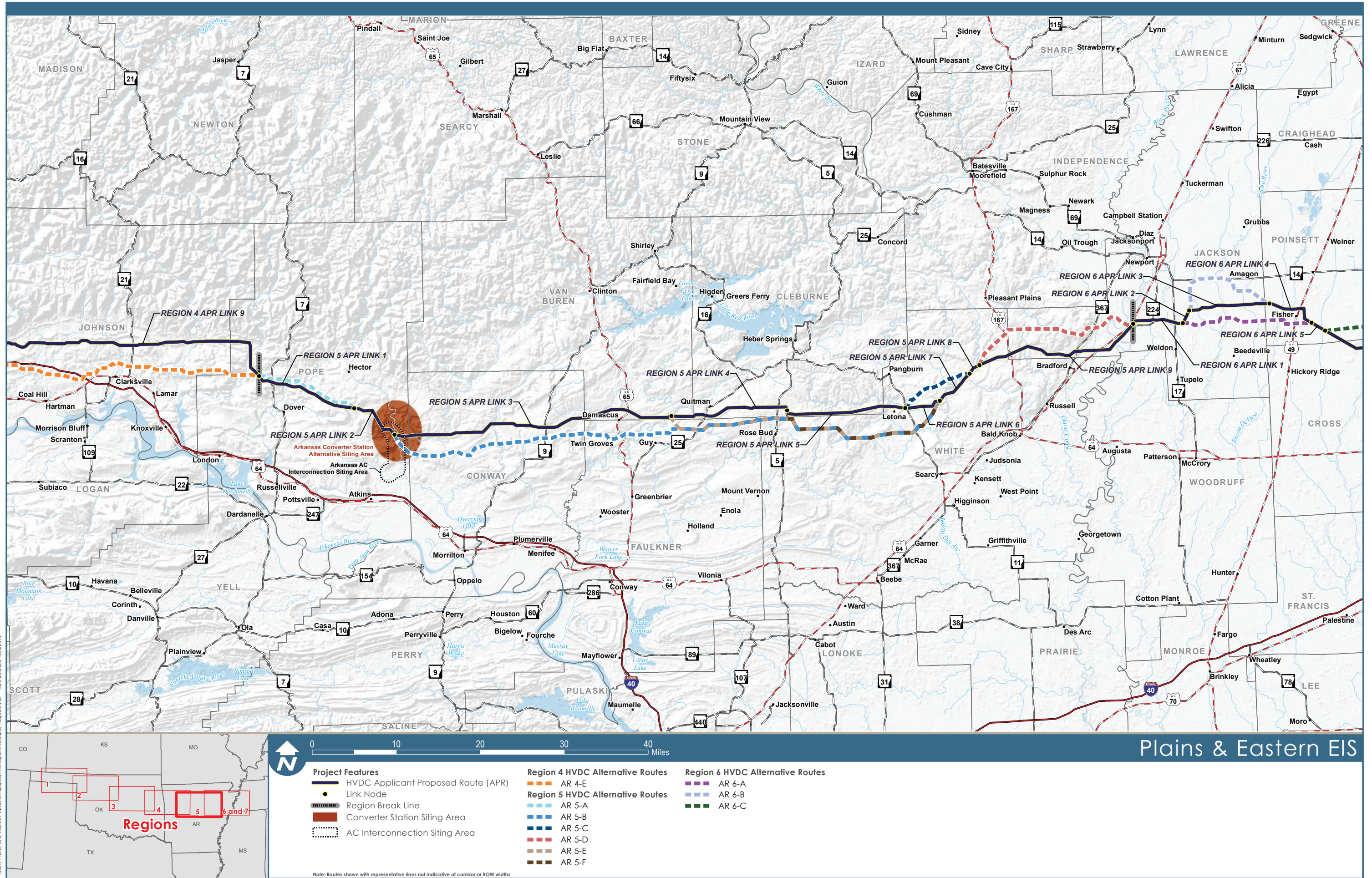
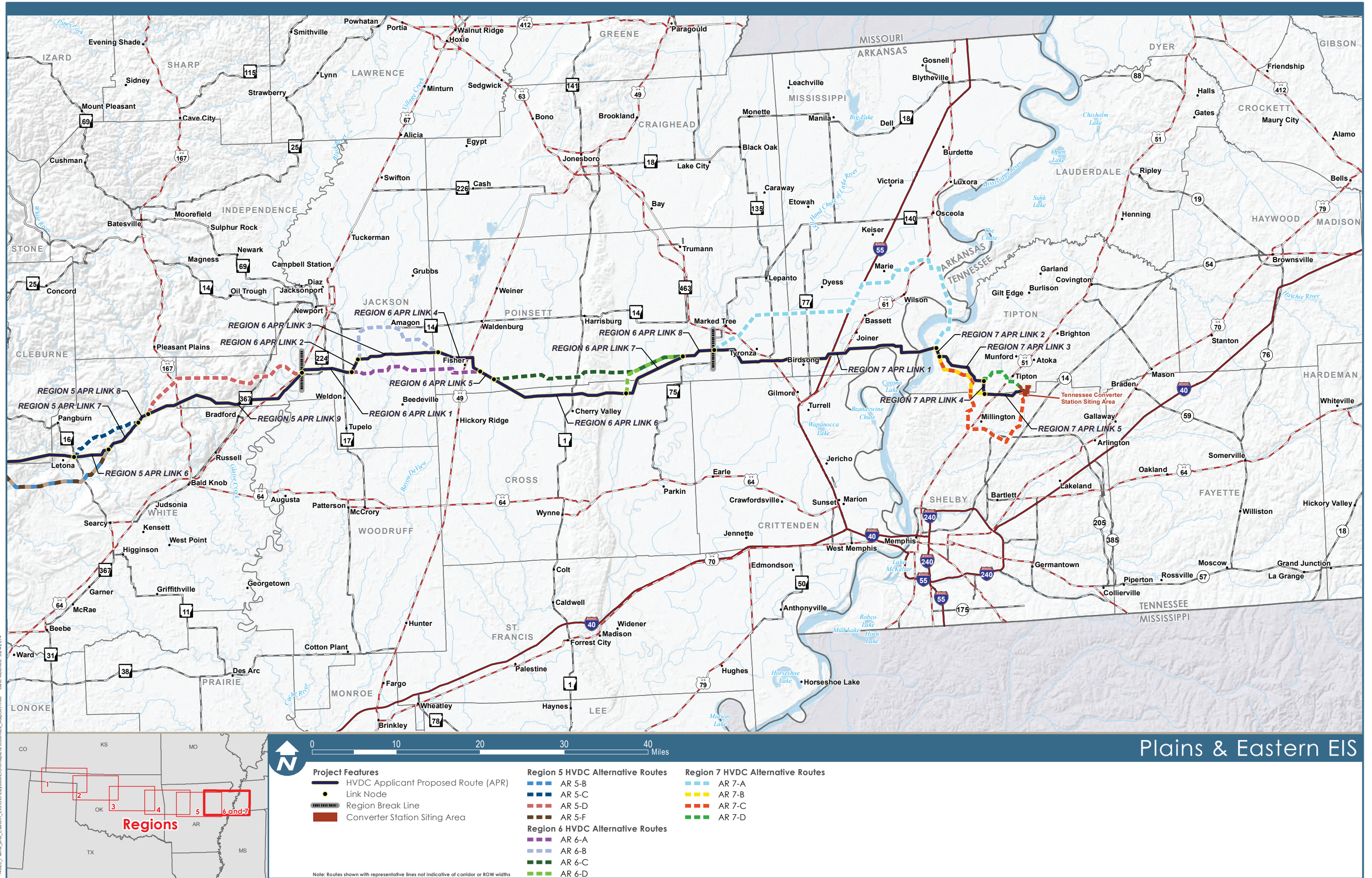


Figure 2.1-17d: Counties Crossed by Project Features



Plains & Eastern EIS

Figure 2.1-17e: Counties Crossed by Project Features



Plains & Eastern EIS

Figure 2.1-17f: Counties Crossed by Project Features

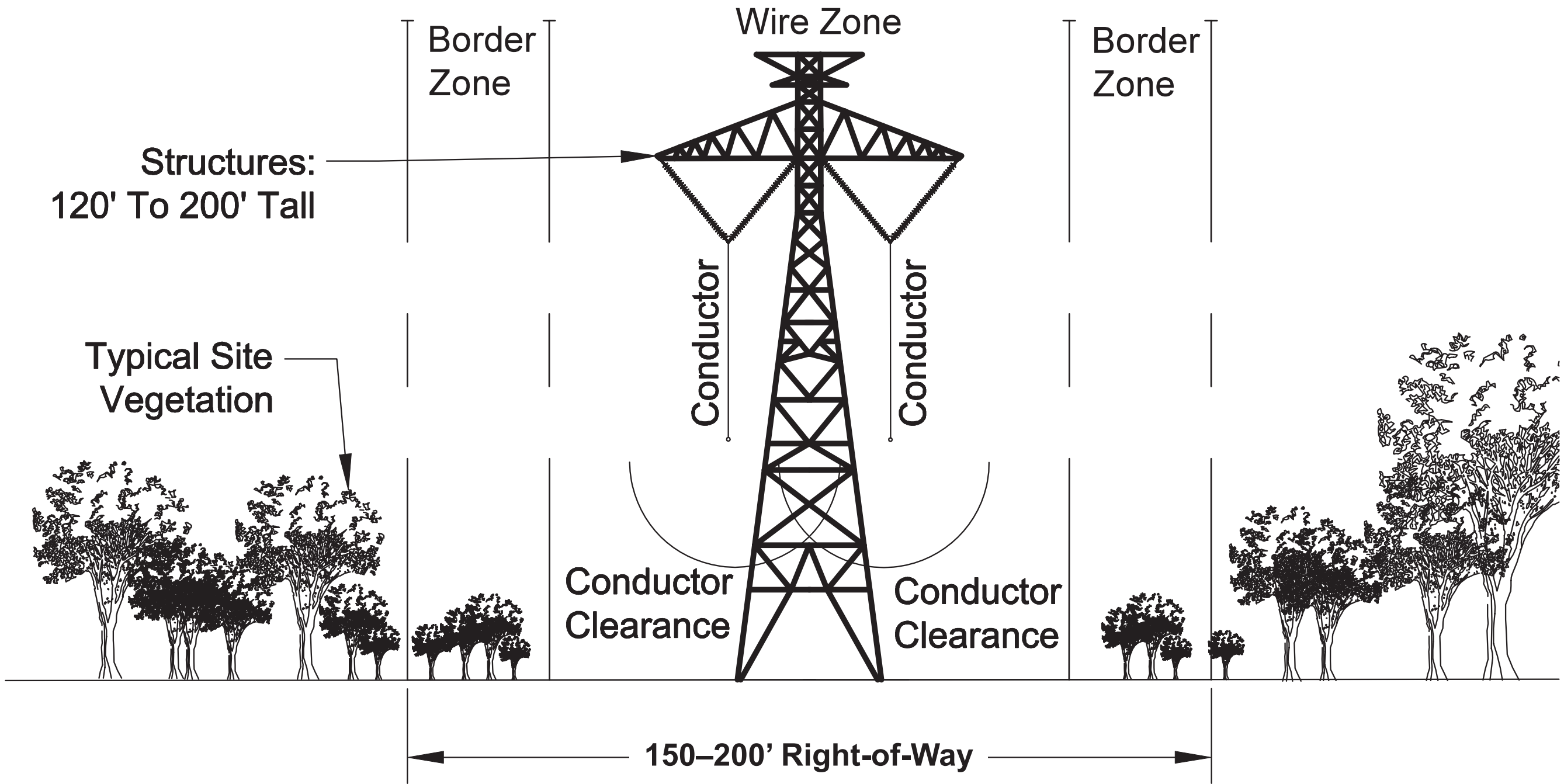


Figure 2.1-18: HVDC ROW Limits

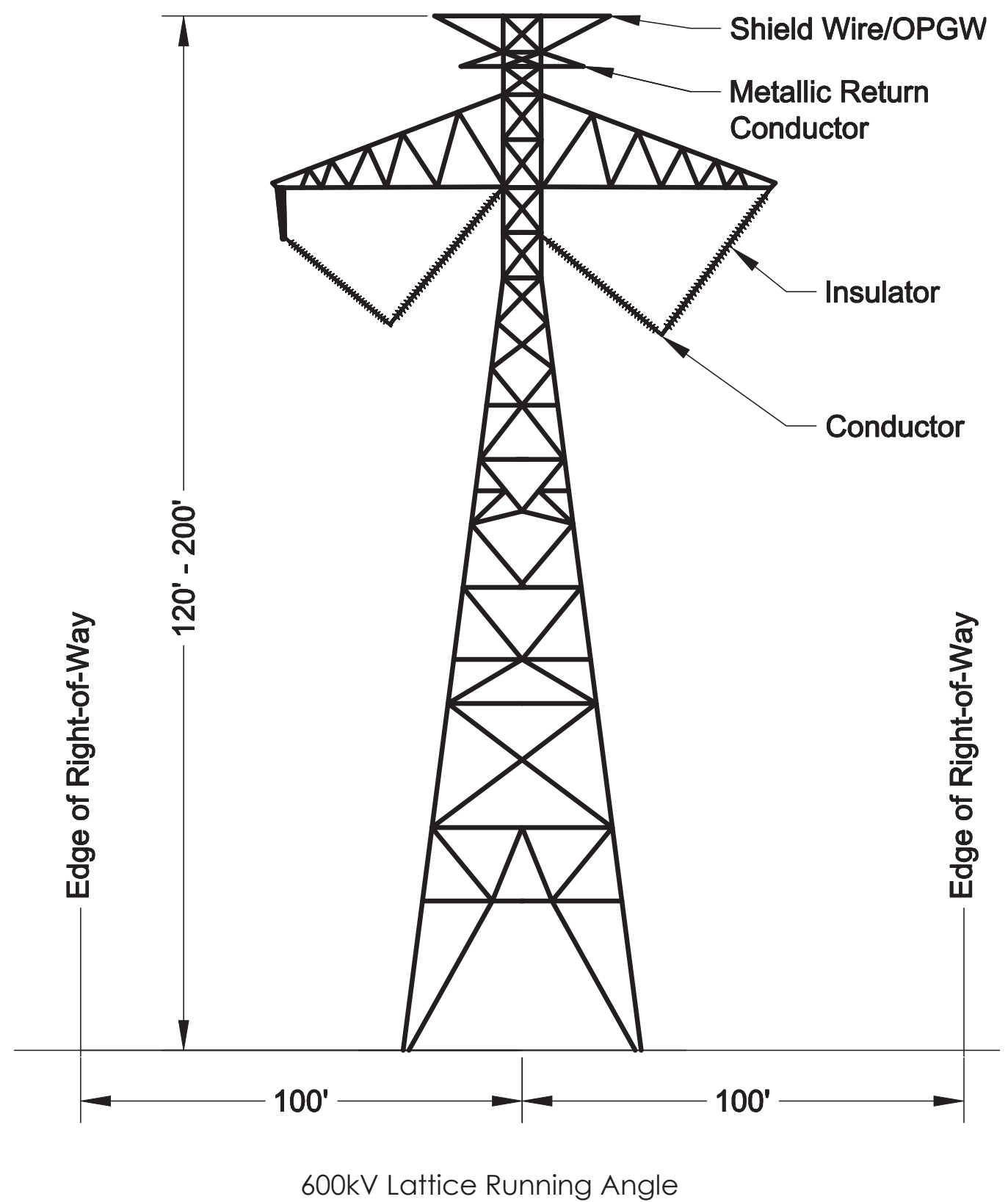
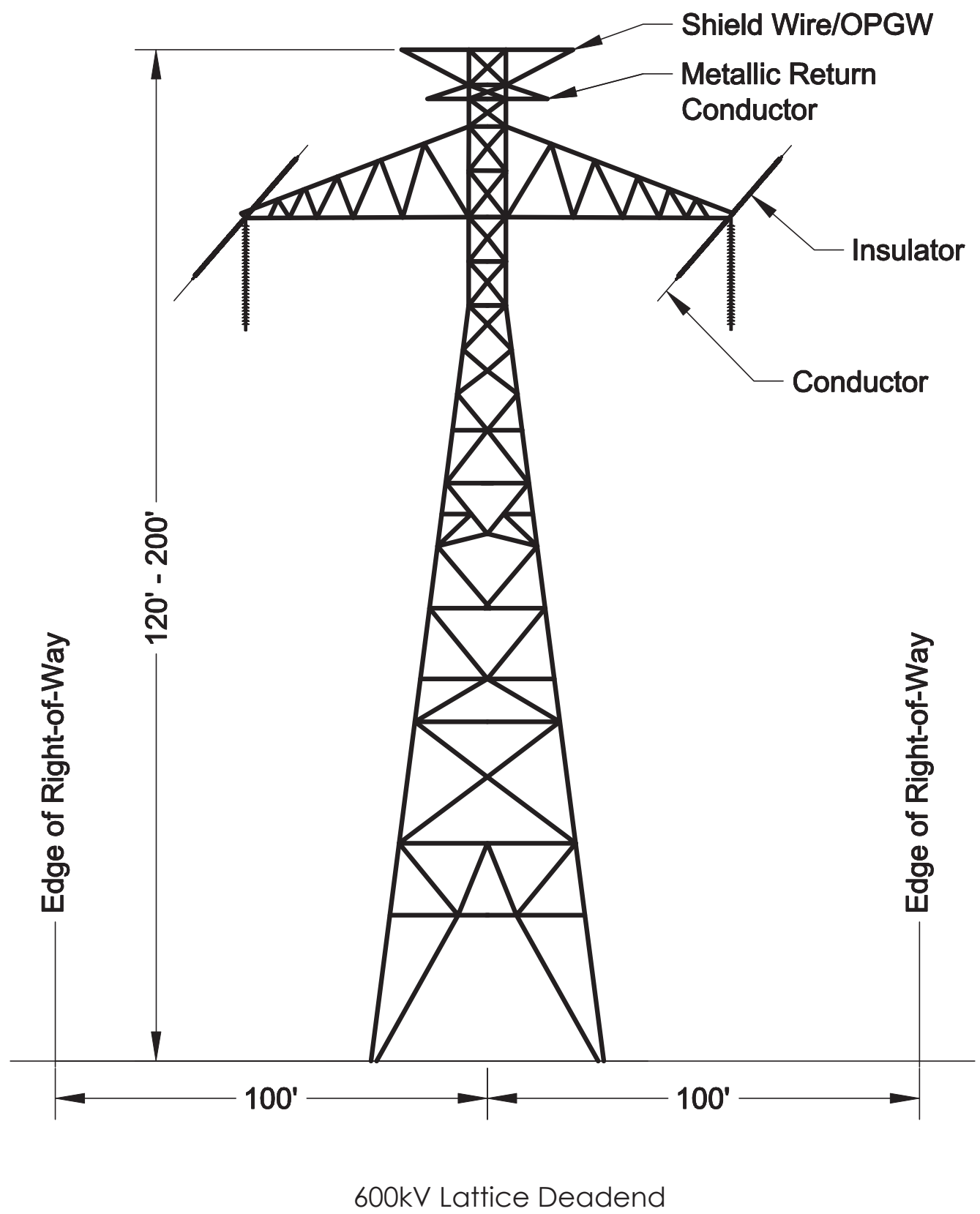
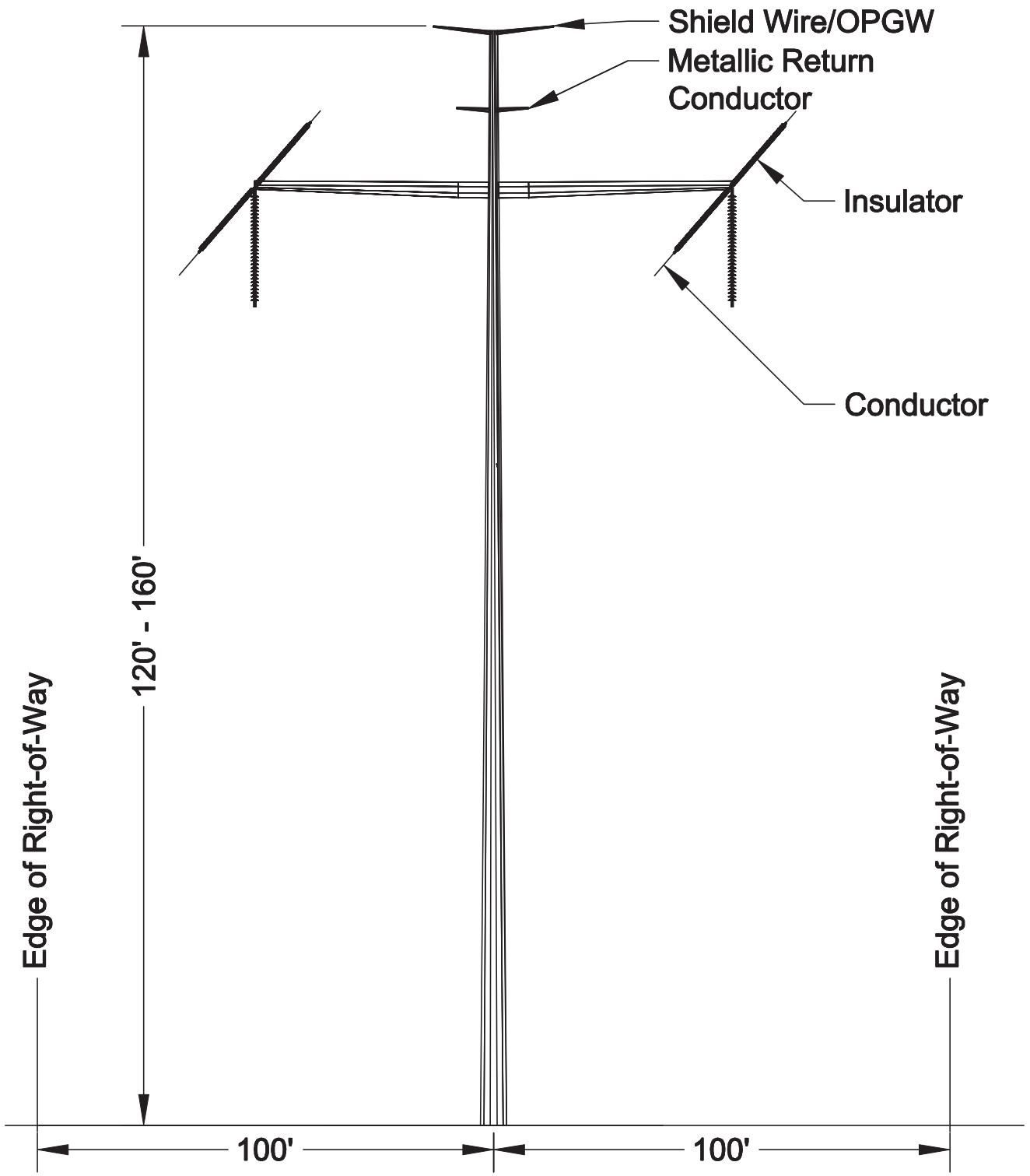
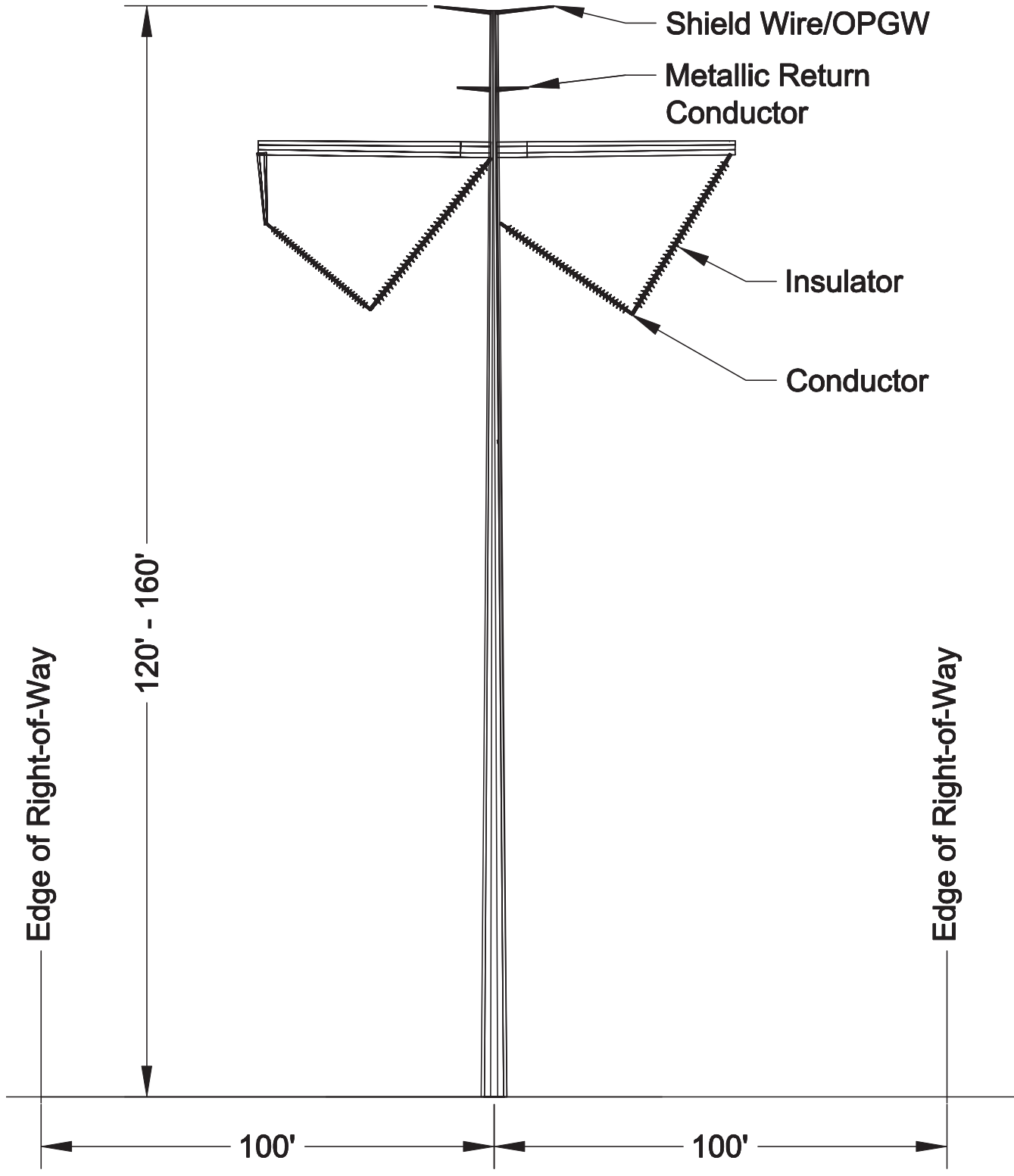


Figure 2.1-19: 600kV Lattice Deadend and Running Angle

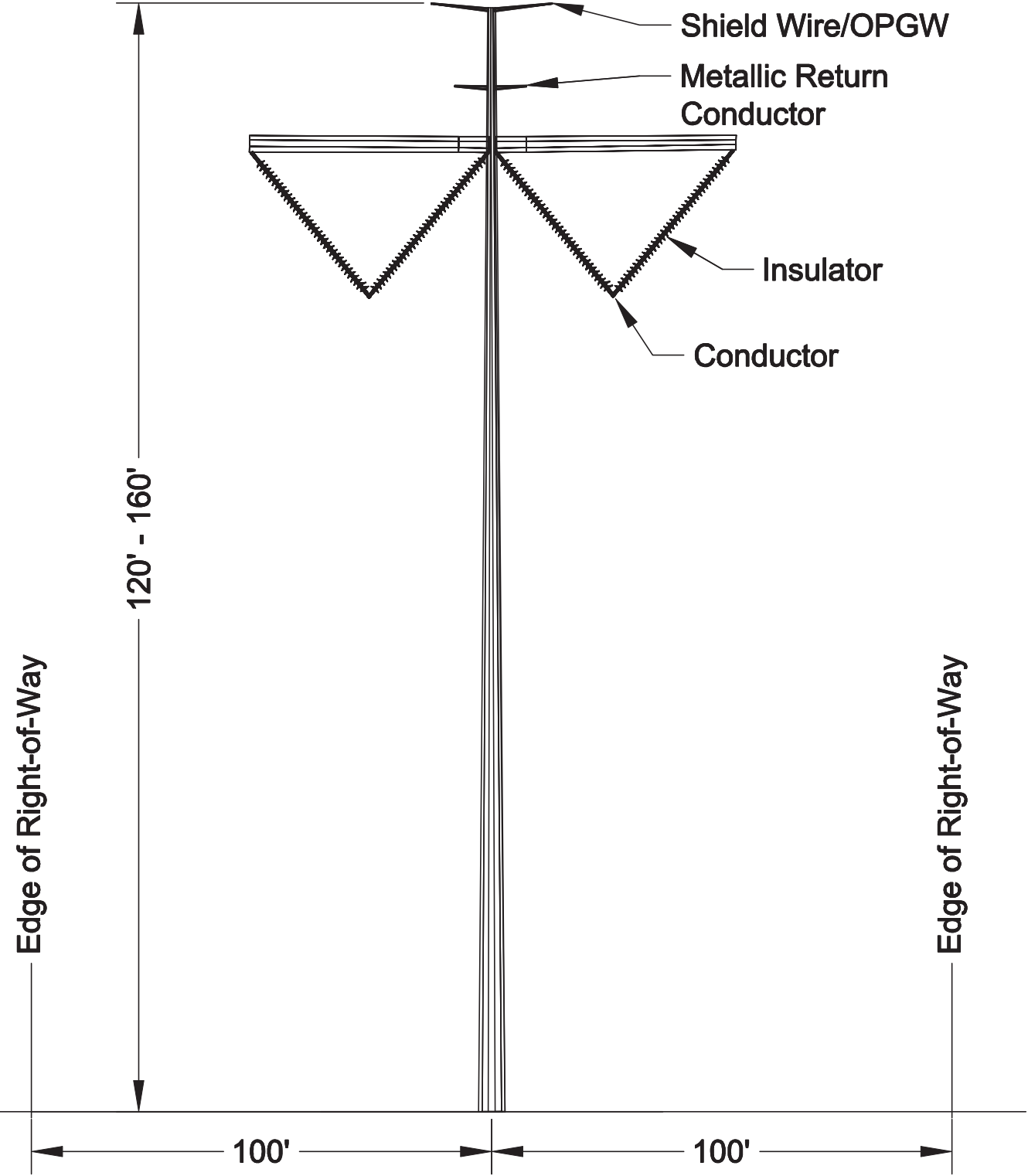


600kV Monopole Deadend



600kV Monopole Running Angle

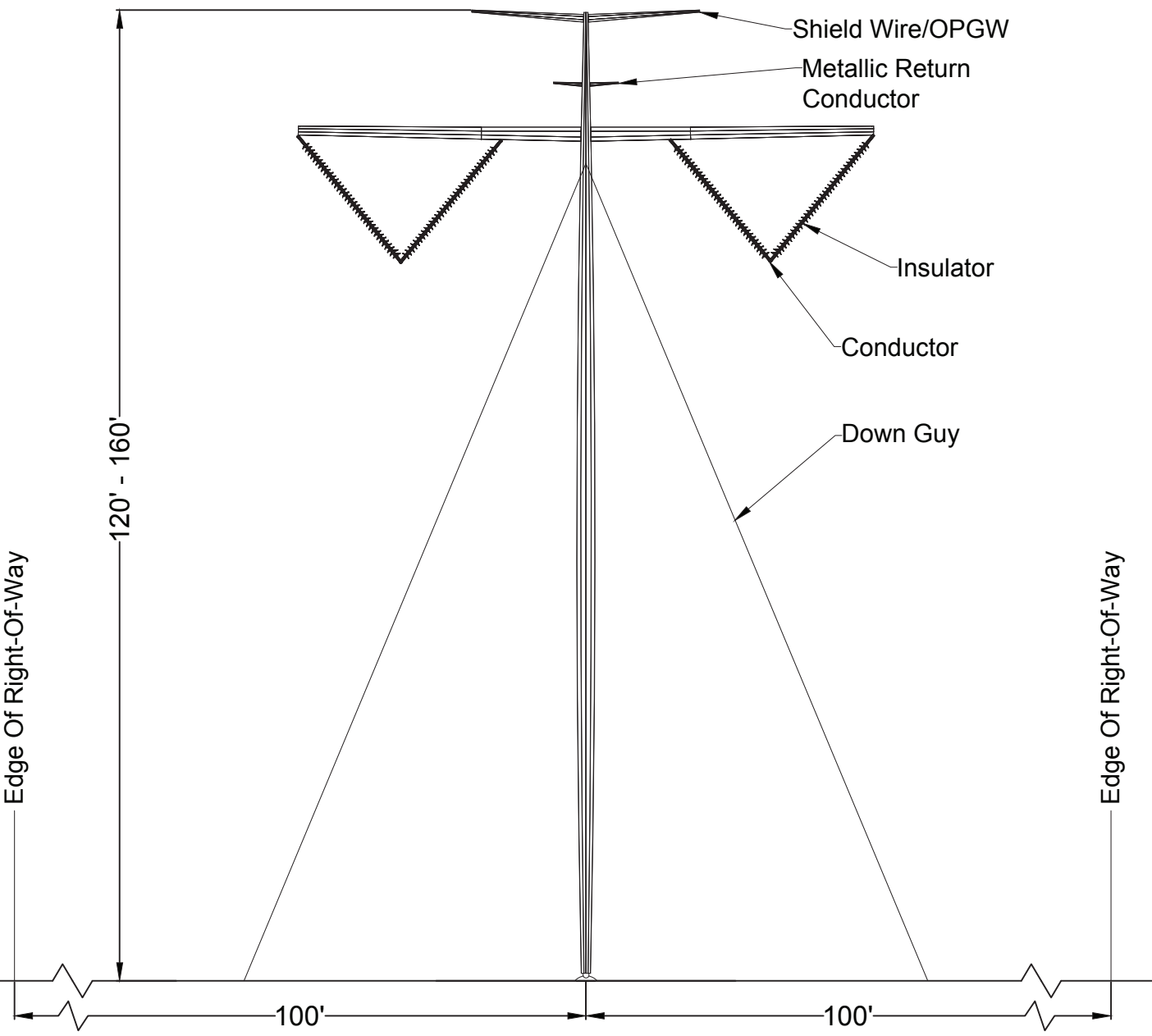
Figure 2.1-20: 600kV Monopole Deadend and Running Angle



600kV Monopole Tangent

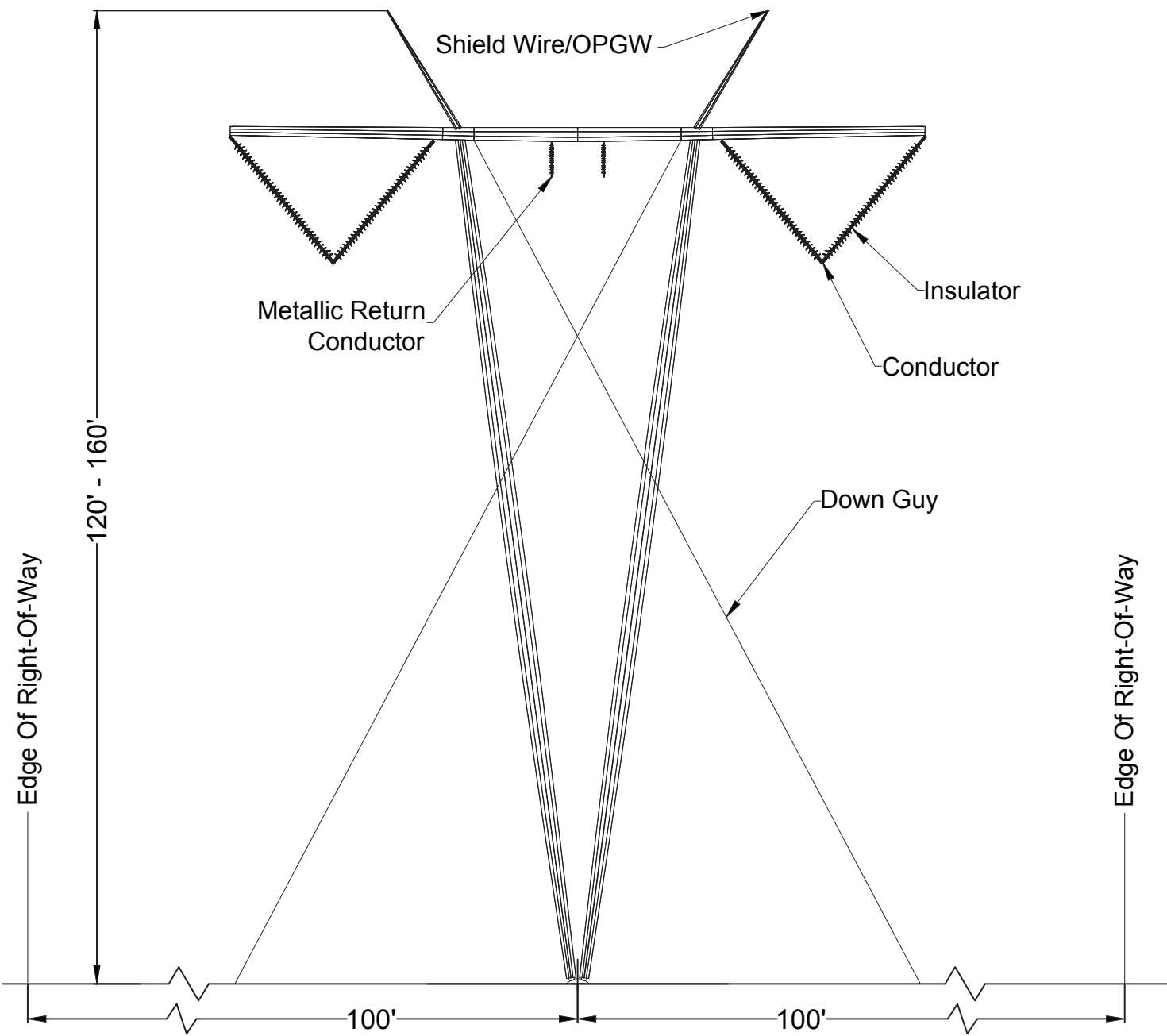
Figure 2.1-21: 600kV Monopole Tangent

Note: Depending on structure height and line angle, guy easements may be required beyond the project 200 foot right-of-way.



600kV Guyed Mast Tubular Tangent

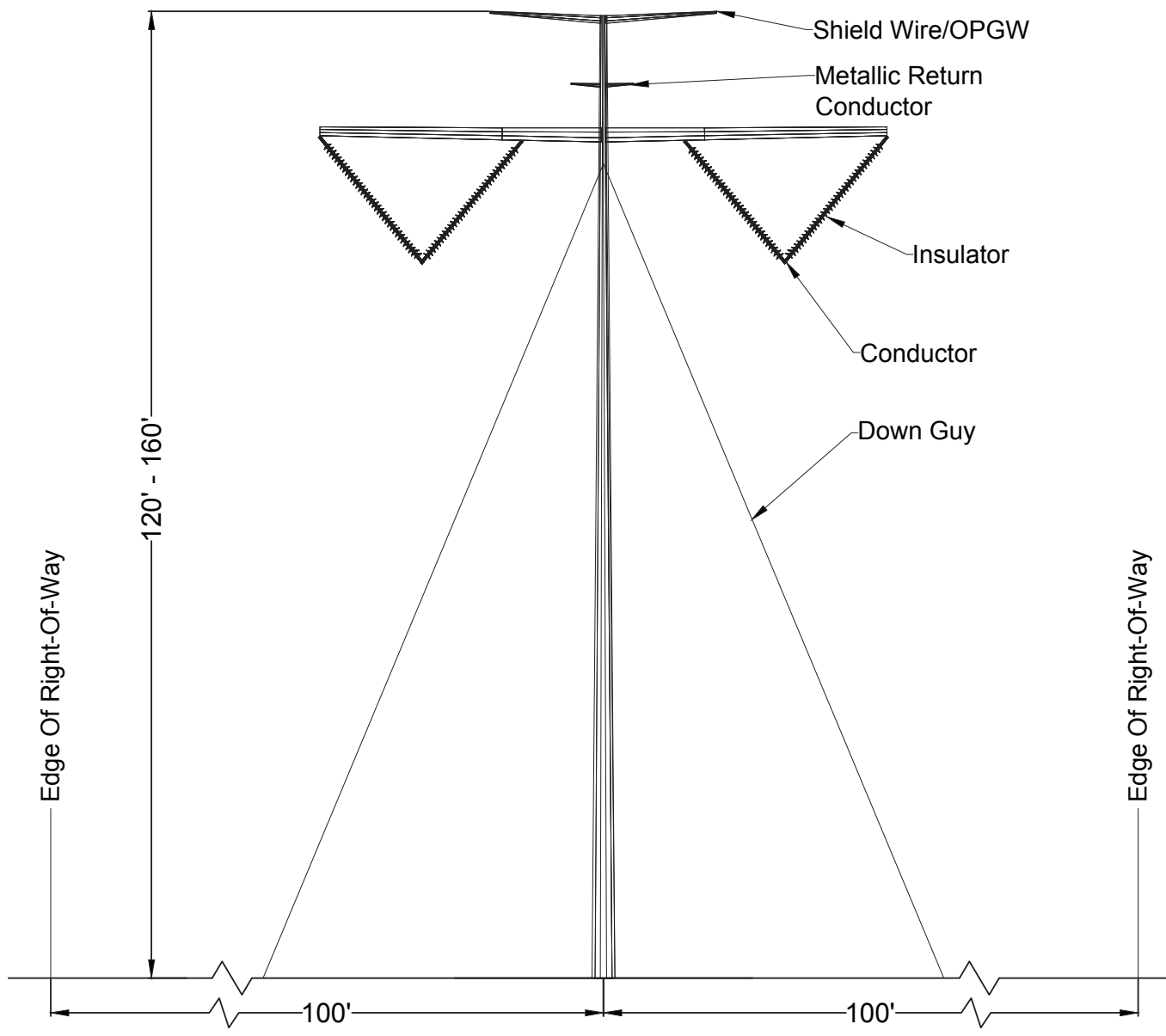
Note: Depending on structure height and line angle, guy easements may be required beyond the project 200 foot right-of-way.



600kV Guyed V-tube Tangent

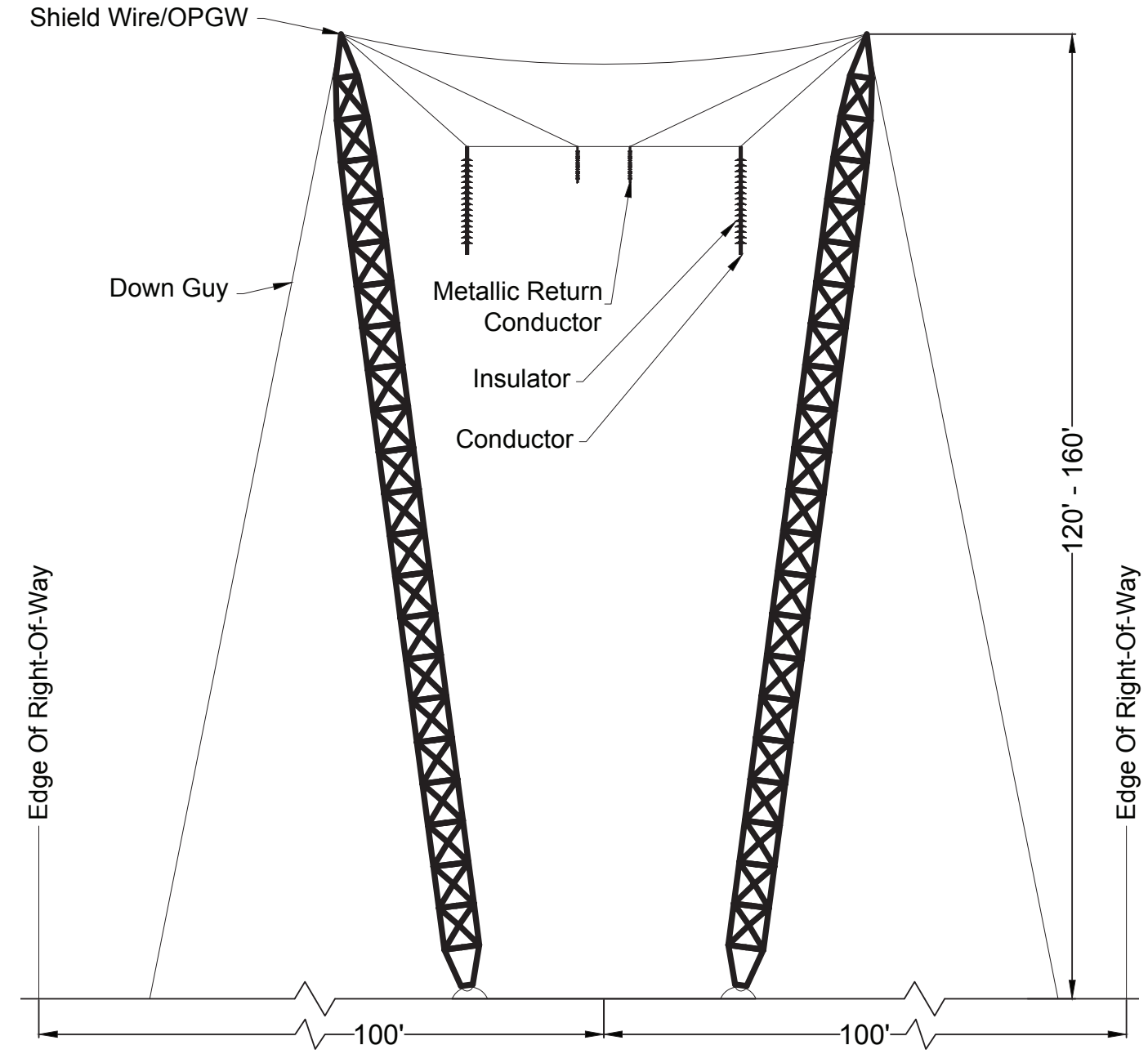
Figure 2.1-22: 600kV Guyed Mast Tubular Tangent and Guyed V-tube Tangent

Note: Depending on structure height and line angle, guy easements may be required beyond the project 200 foot right-of-way.



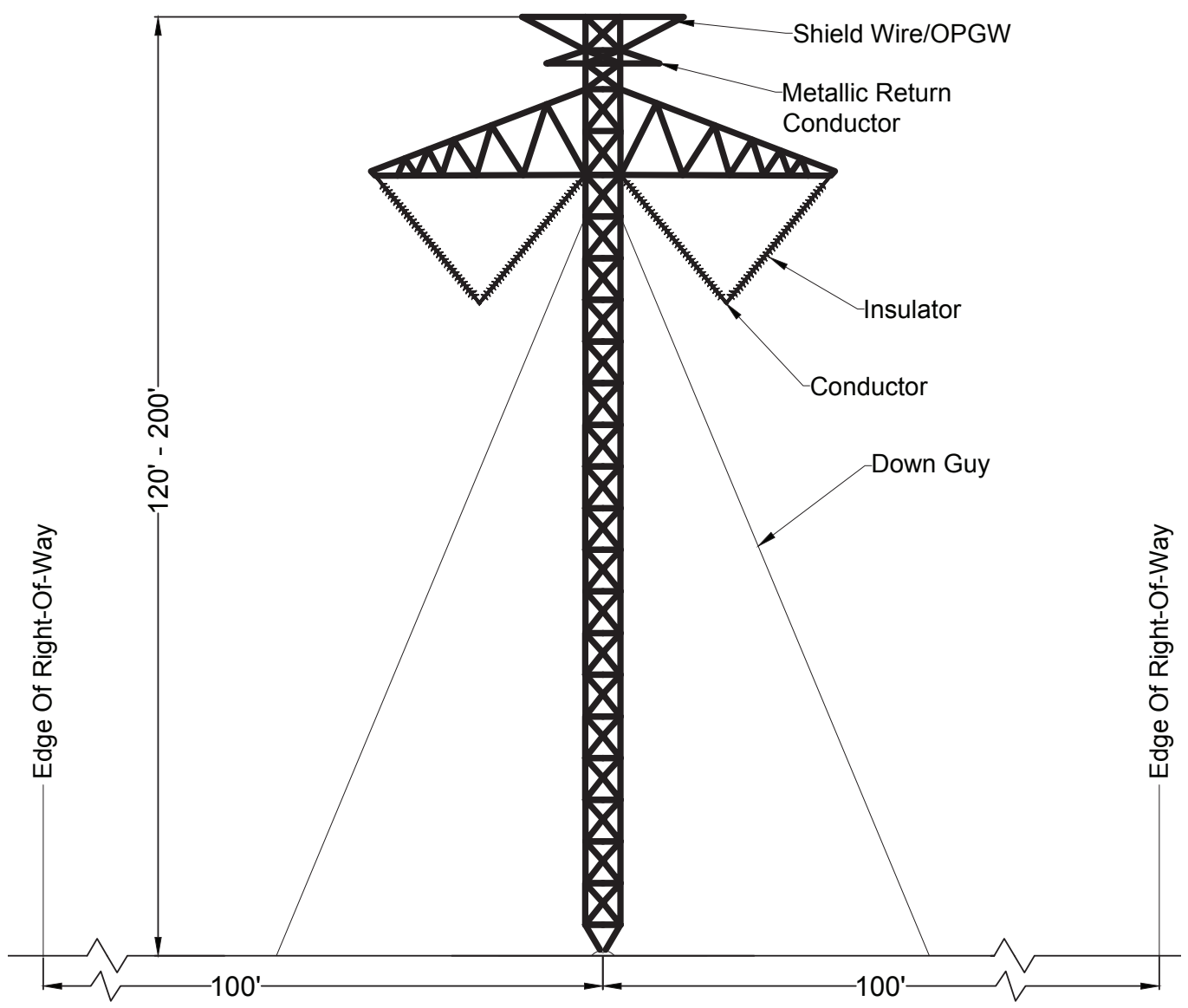
600kV Guyed Monopole Tangent

Note: Depending on structure height and line angle, guy easements may be required beyond the project 200 foot right-of-way.

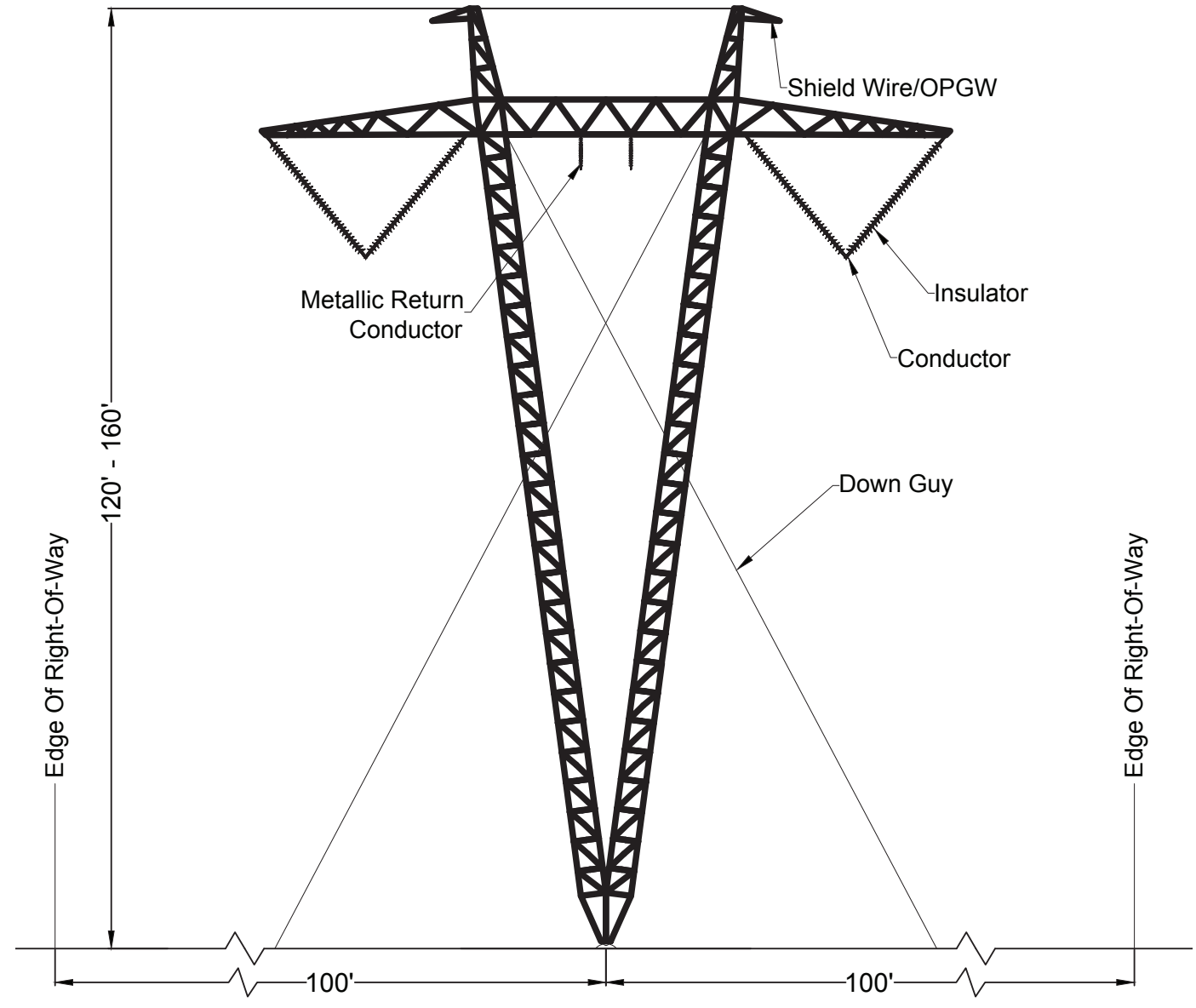


600kV Guyed Chainette Tangent

Figure 2.1-23: 600kV Guyed Monopole Tangent and Guyed Chainette Tangent



600kV Guyed Mast Lattice Tangent



600kV Guyed V-lattice Tangent

Figure 2.1-24: 600kV Guyed Mast Lattice Tangent and Guyed V-lattice Tangent

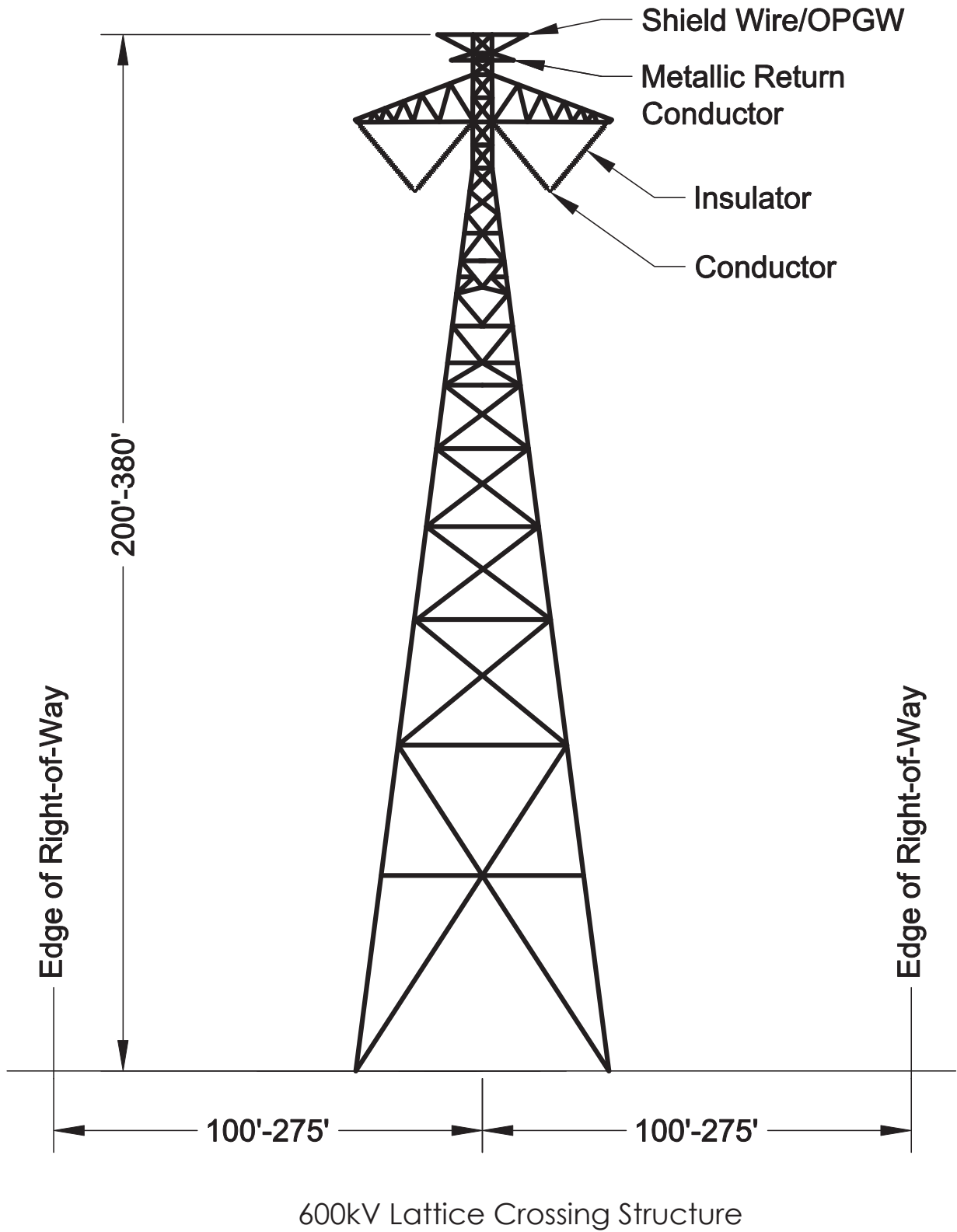


Figure 2.1-25: 600kV Lattice Crossing Structure

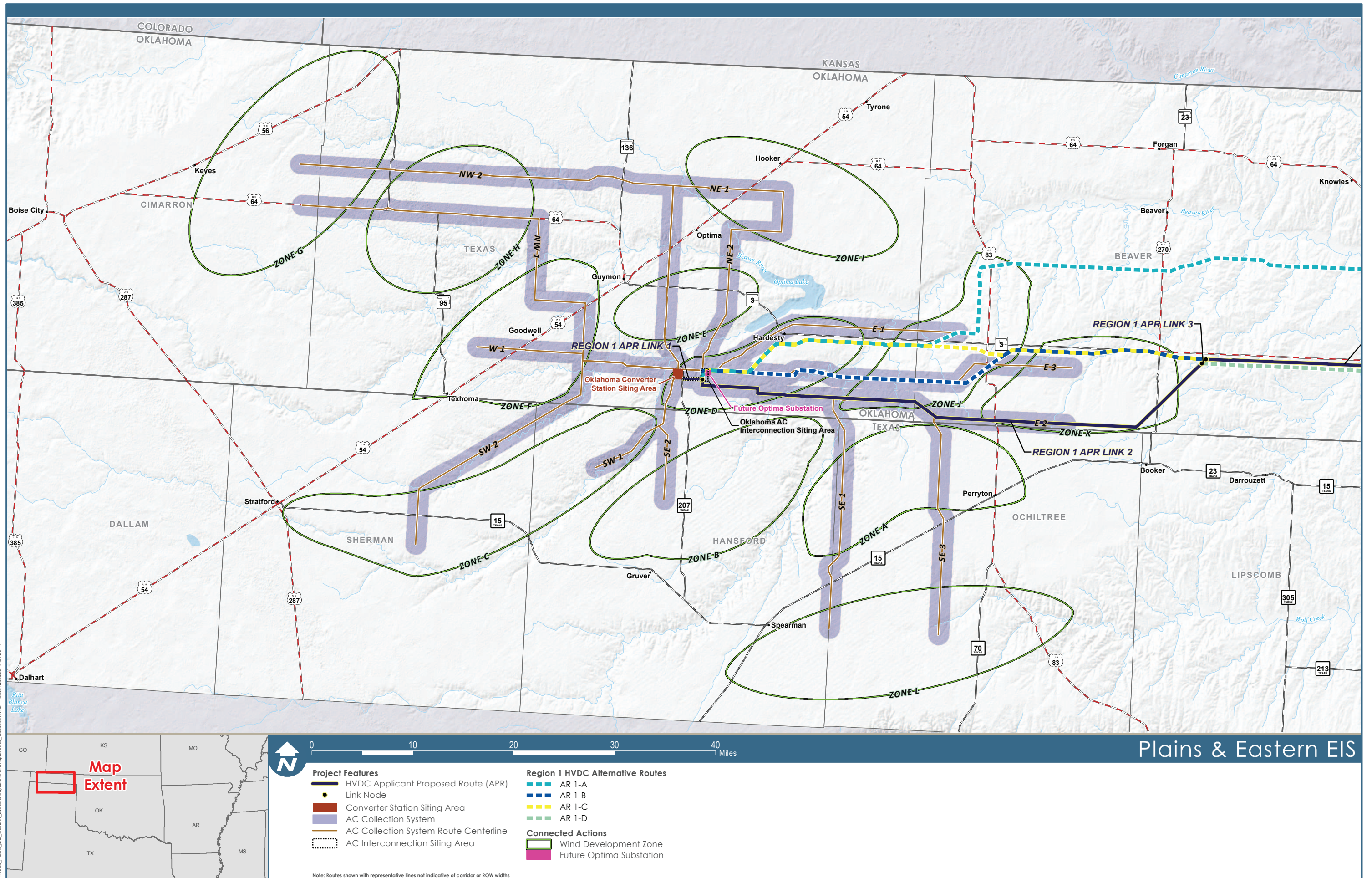


Figure 2.1-26: AC Collection System Routes

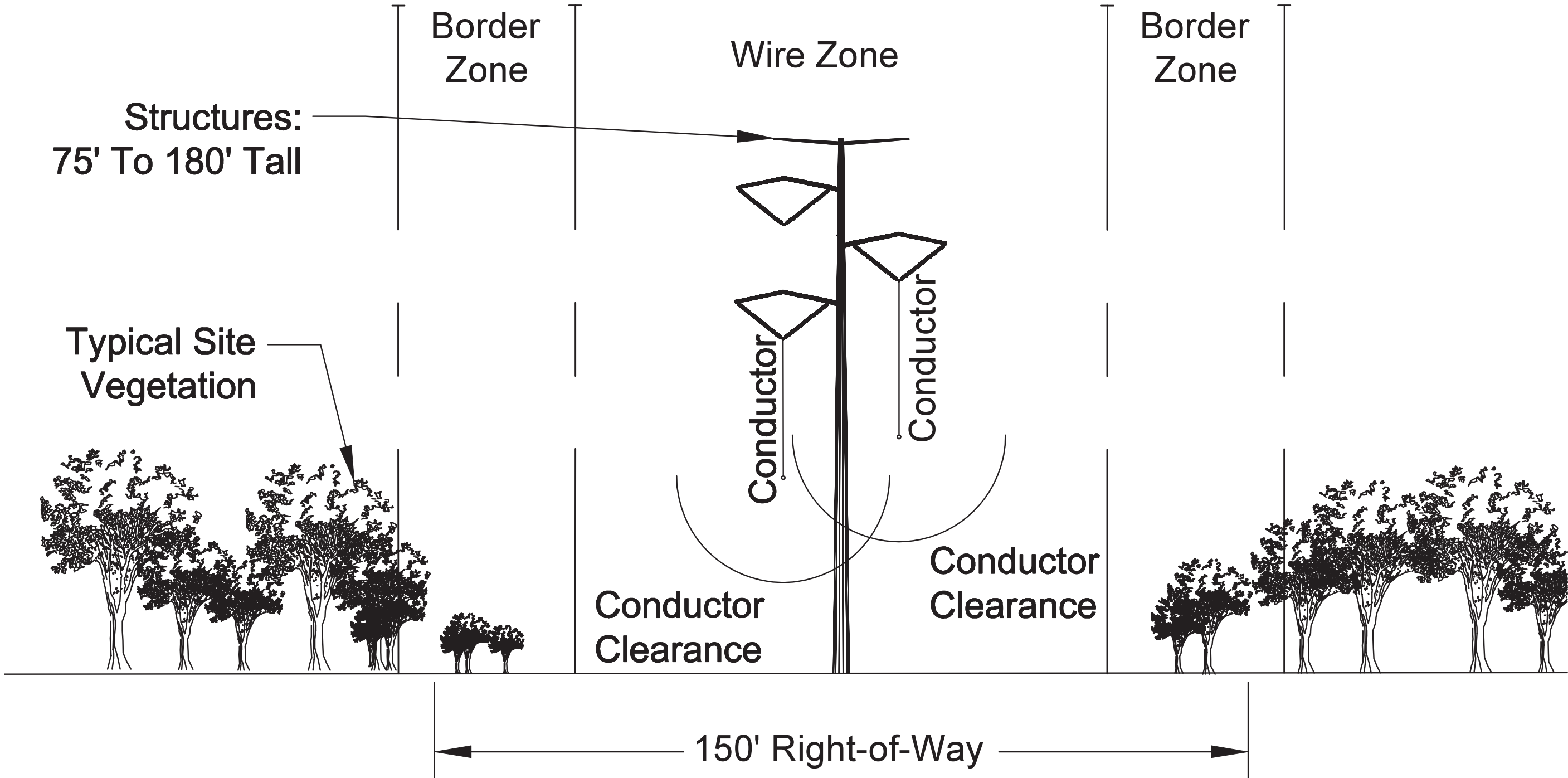
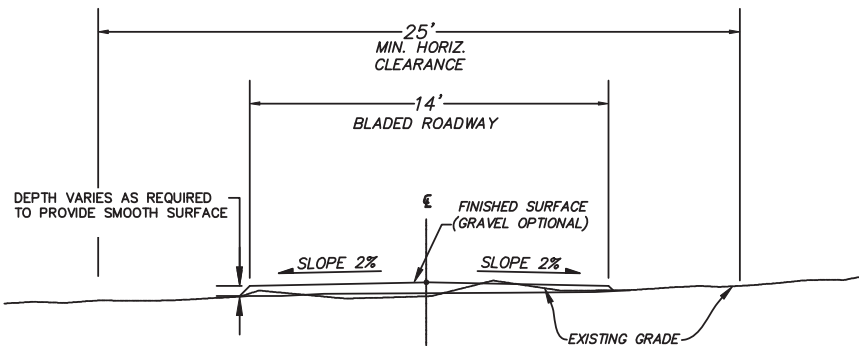
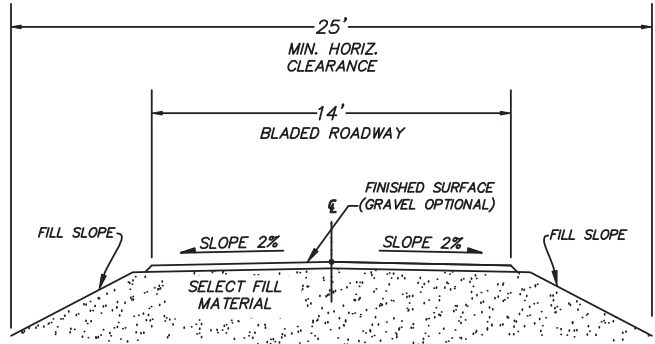


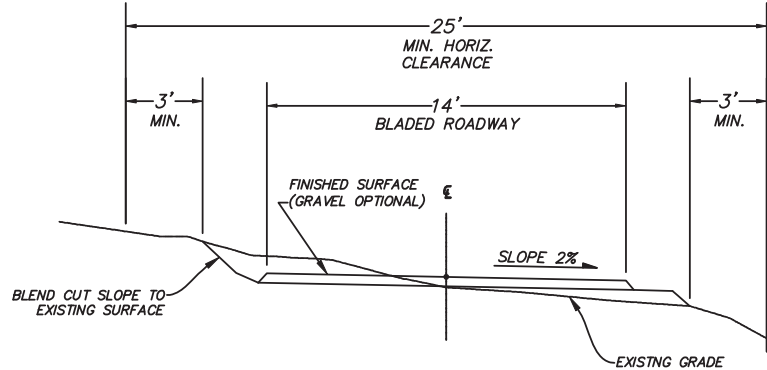
Figure 2.1-27: AC ROW Limits



TYPICAL SECTION ON FLAT GROUND



TYPICAL FILL SECTION

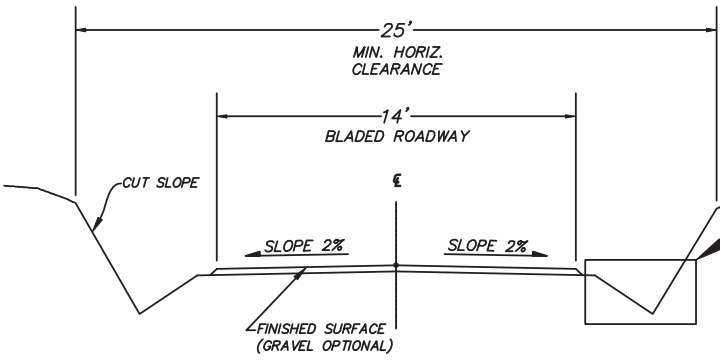


TYPICAL 'OUTSLOPE' SECTION

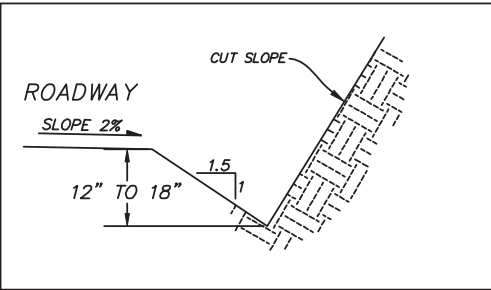
NOTE:
 PROVIDE OUTSLOPE ON ROADS WITH GRADES AS STEEP AS 20% IN THE SAME DIRECTION AS THE SURROUNDING TOPOGRAPHY SO THAT THE UPHILL EDGE OF THE ROAD IS HIGHER THAN THE DOWNHILL EDGE.

AVOID OUTSLOPED ROADS WHERE THEY WOULD DIRECT RUNOFF ONTO ERODIBLE FILL, EMBANKMENTS, OR WHERE THEY COULD CAUSE OFF-CAMBER CURVES.

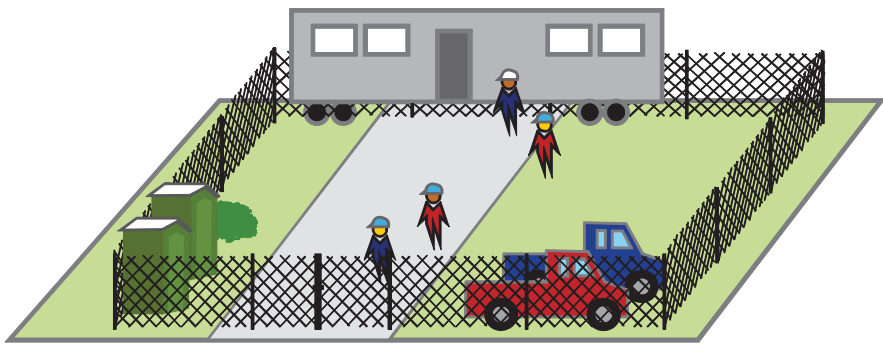
PROVIDE "INSLOPED" ROAD SECTION WITH ROADSIDE DITCH ON GRADES STEEPER THAN 20%.



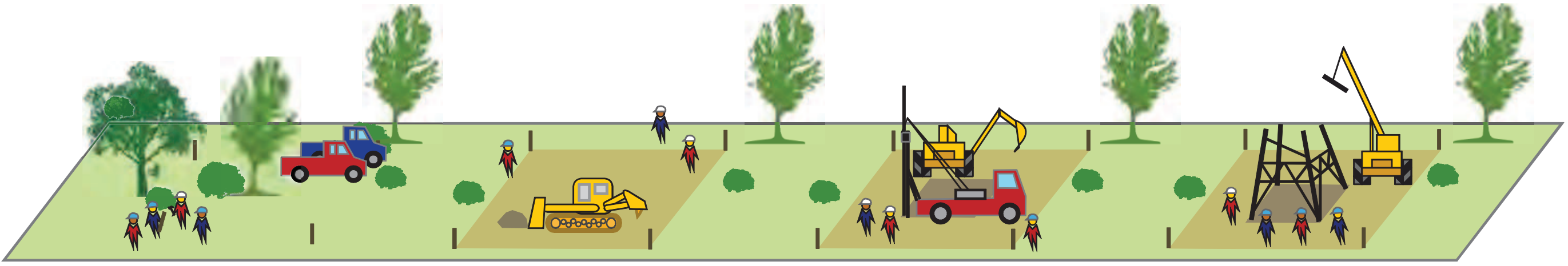
TYPICAL THROUGH-CUT SECTION



TYPICAL DITCH SECTION



Preparation of Multi-use Construction Yards

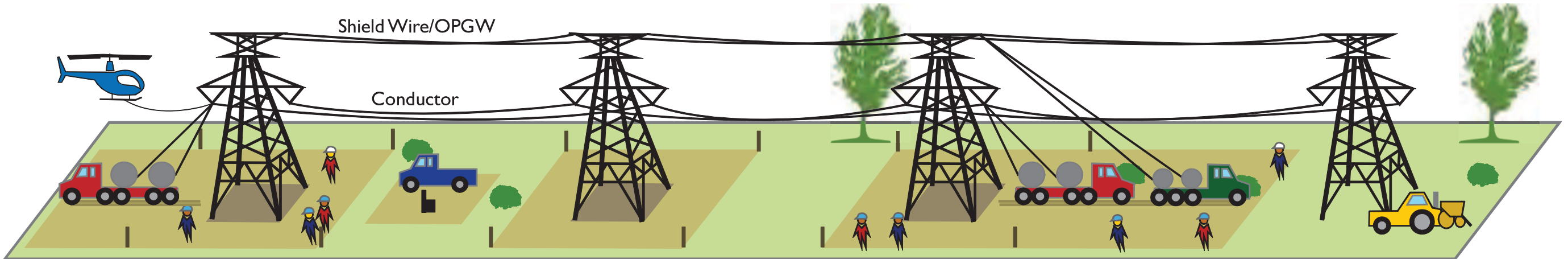


Preparation of the Right-of-Way

Clearing and Grading

Foundation Excavation and Installation

Structure Assembly and Erection



Tensioning Site

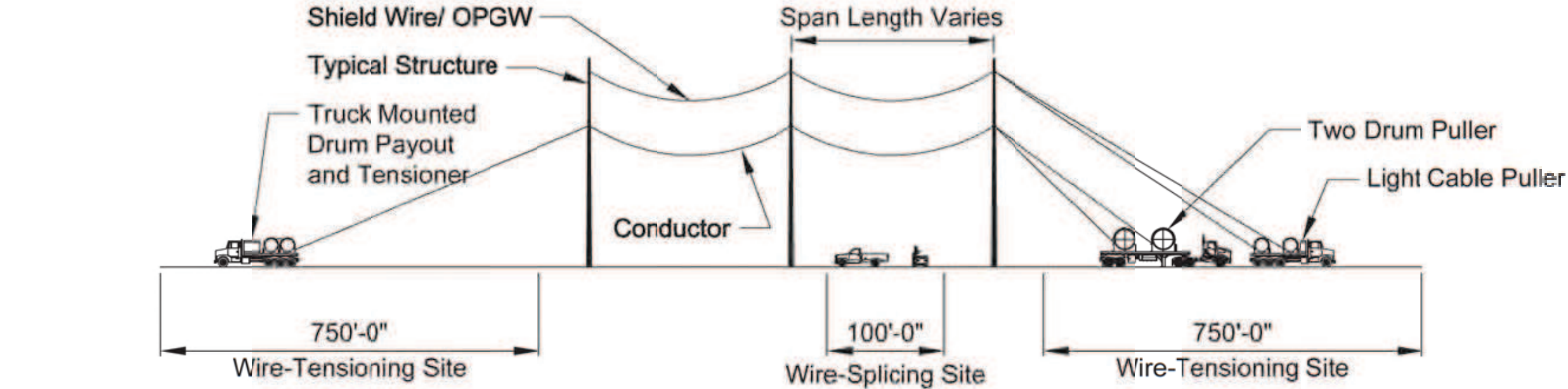
Wire-Splicing

Pulling Site

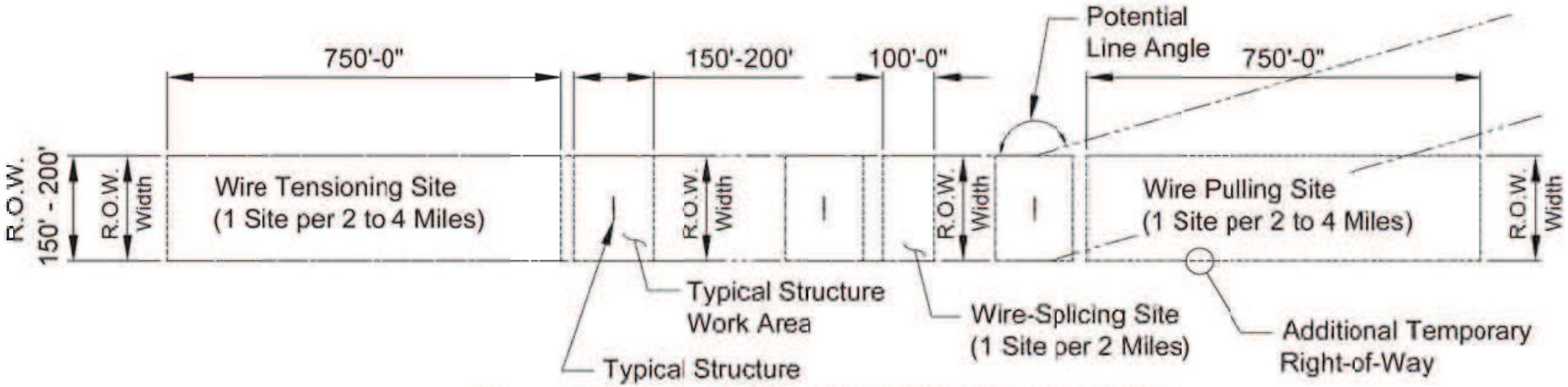
Cleanup and Site Reclamation

Conductor Stringing

Figure 2.1-29: HVDC Transmission Line Construction Sequence



Conductor and Ground-Wire Stringing Activities - Profile View

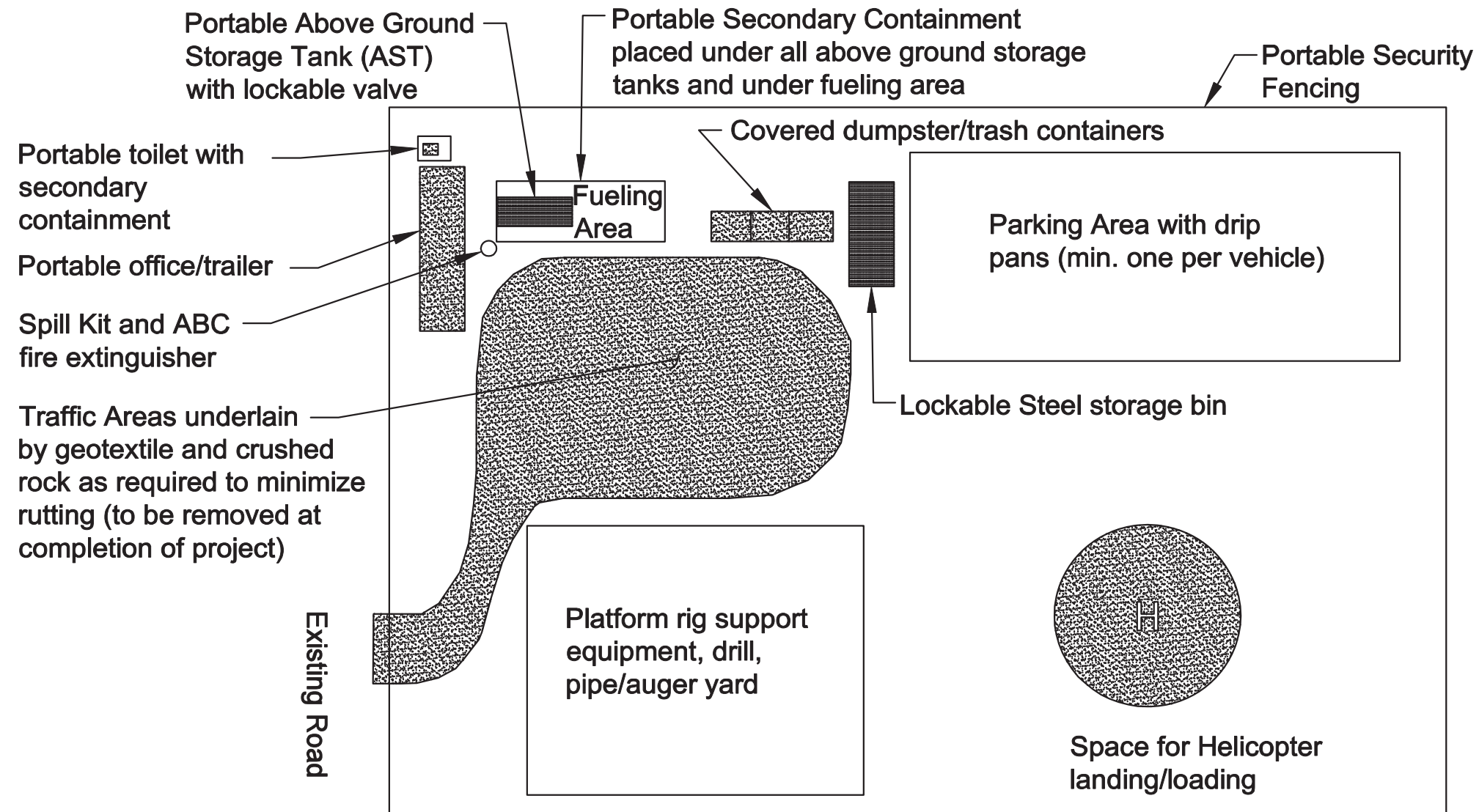


Conductor and Ground-Wire Stringing Activities - Plan View

*Vehicles and Construction Equipment Not to Scale

Figure 2.1-30: Conductor and Ground-wire Stringing Activities

Typical Multi-Use Construction Yard Schematic Plan (Not To Scale)



Notes:

- Individual, Multi-Use Areas may be arranged differently but all sites will typically include areas designated for field office, crew parking and sanitation, waste management, fueling area, material storage, and equipment storage.
- Fuel trucks, maintenance trucks and construction crews will be based in Multi-Use Areas.
- Vehicle wash stations may be located at multi use yards.
- Multi-Use Areas can also be used as fly yards (landing areas for helicopters) when needed for assembly and erection of tower sections prior to transport to final structure location.
- Staging areas will be reclaimed unless otherwise directed by landowner by removing all element from the site, raking, repairing ruts and seeding disturbed areas.

Figure 2.1-31: Multi-use Construction Yard

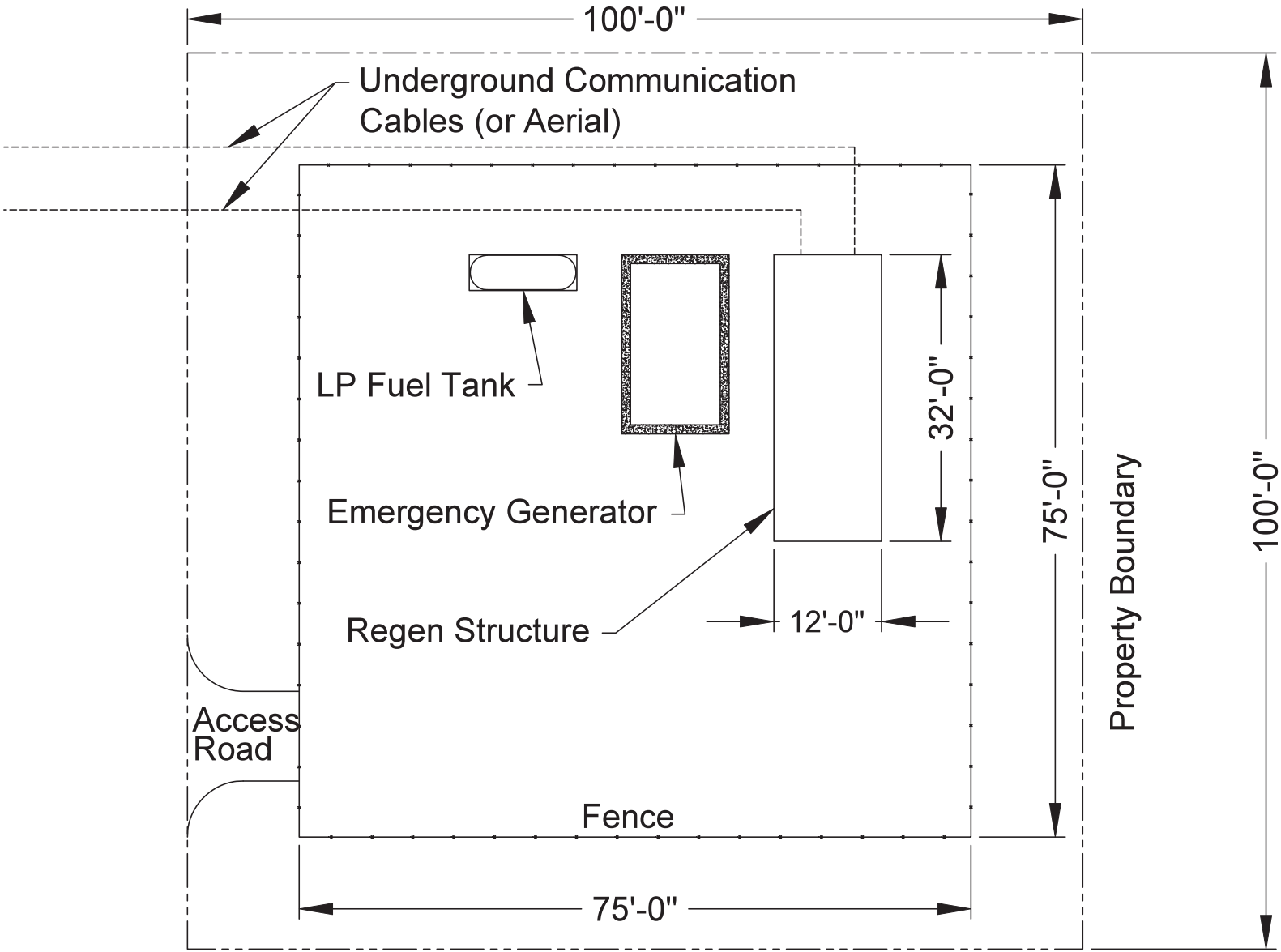


Figure 2.1-32: Regeneration Station