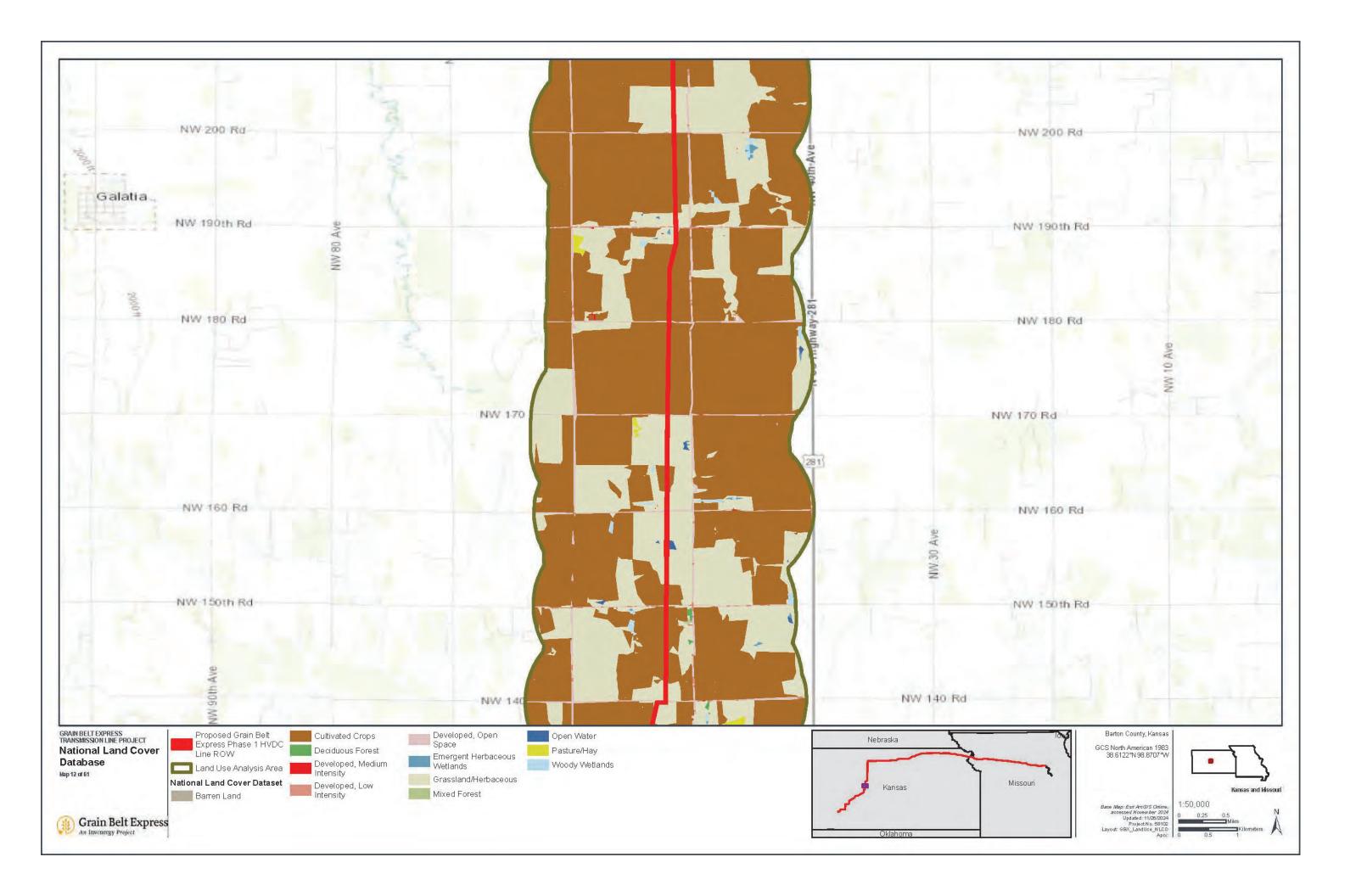
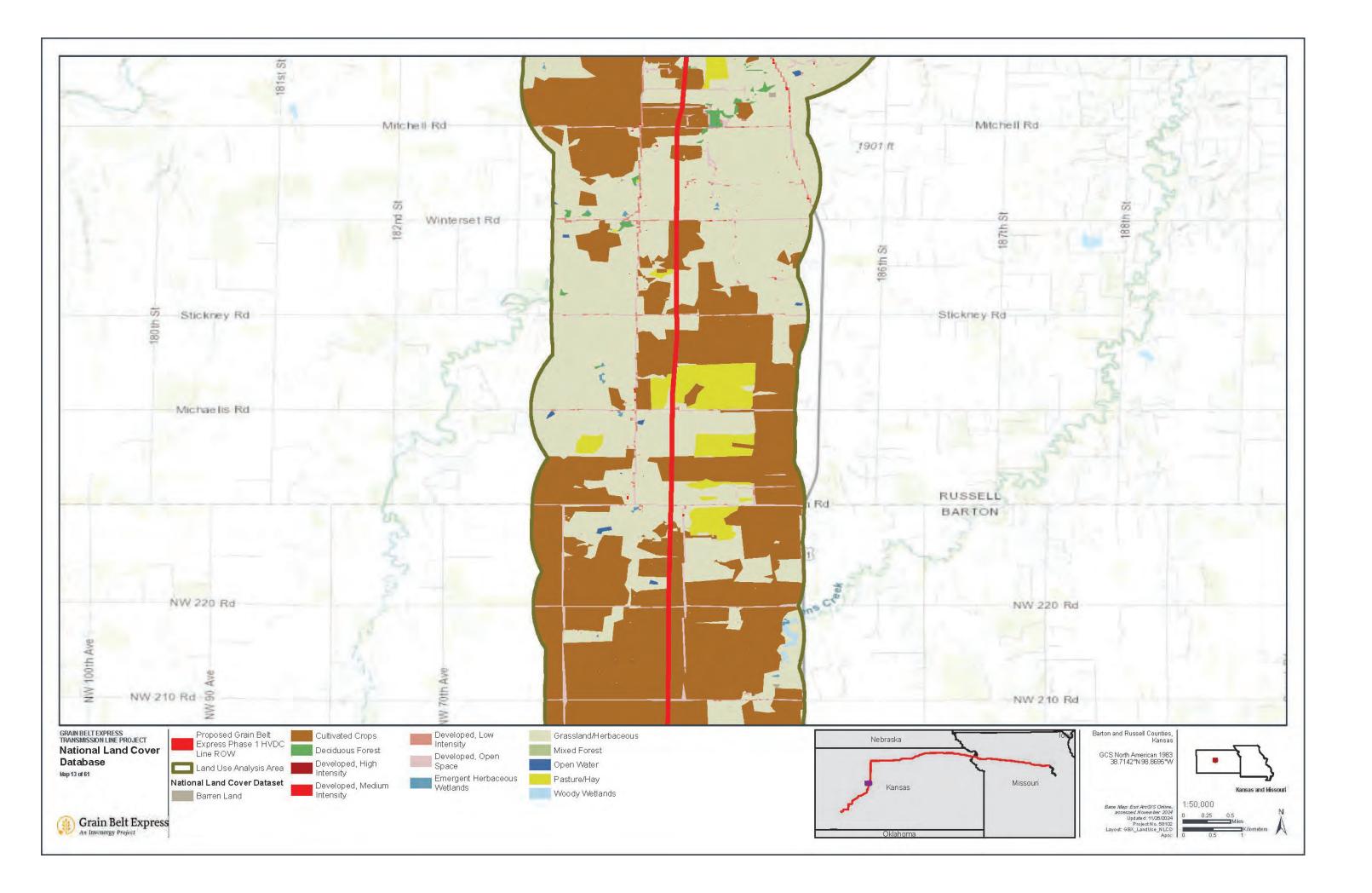
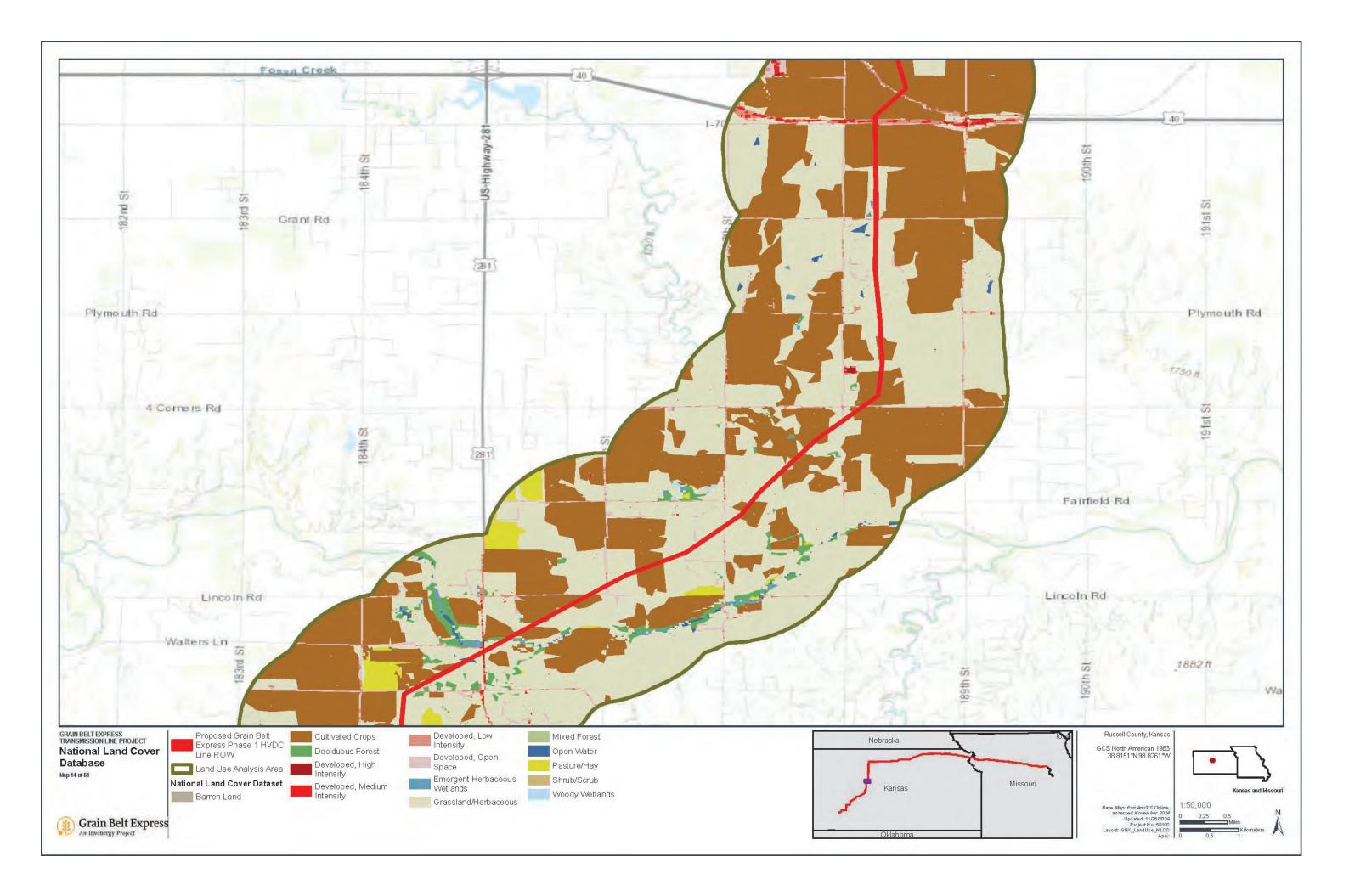
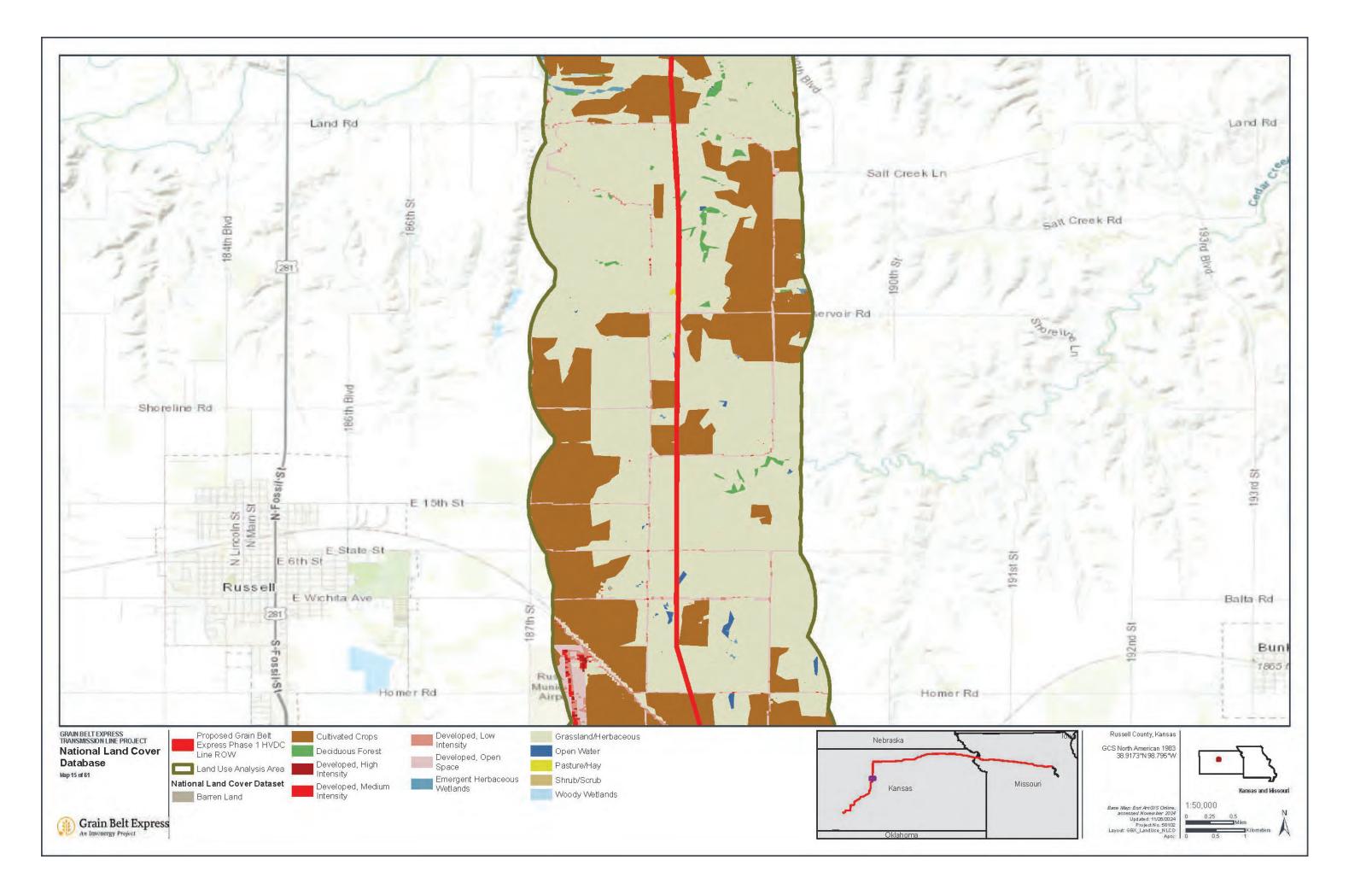
Grain Belt Express Transmission Line Environmental Impact Statement Appendix 3.10: National Land Cover Database Maps

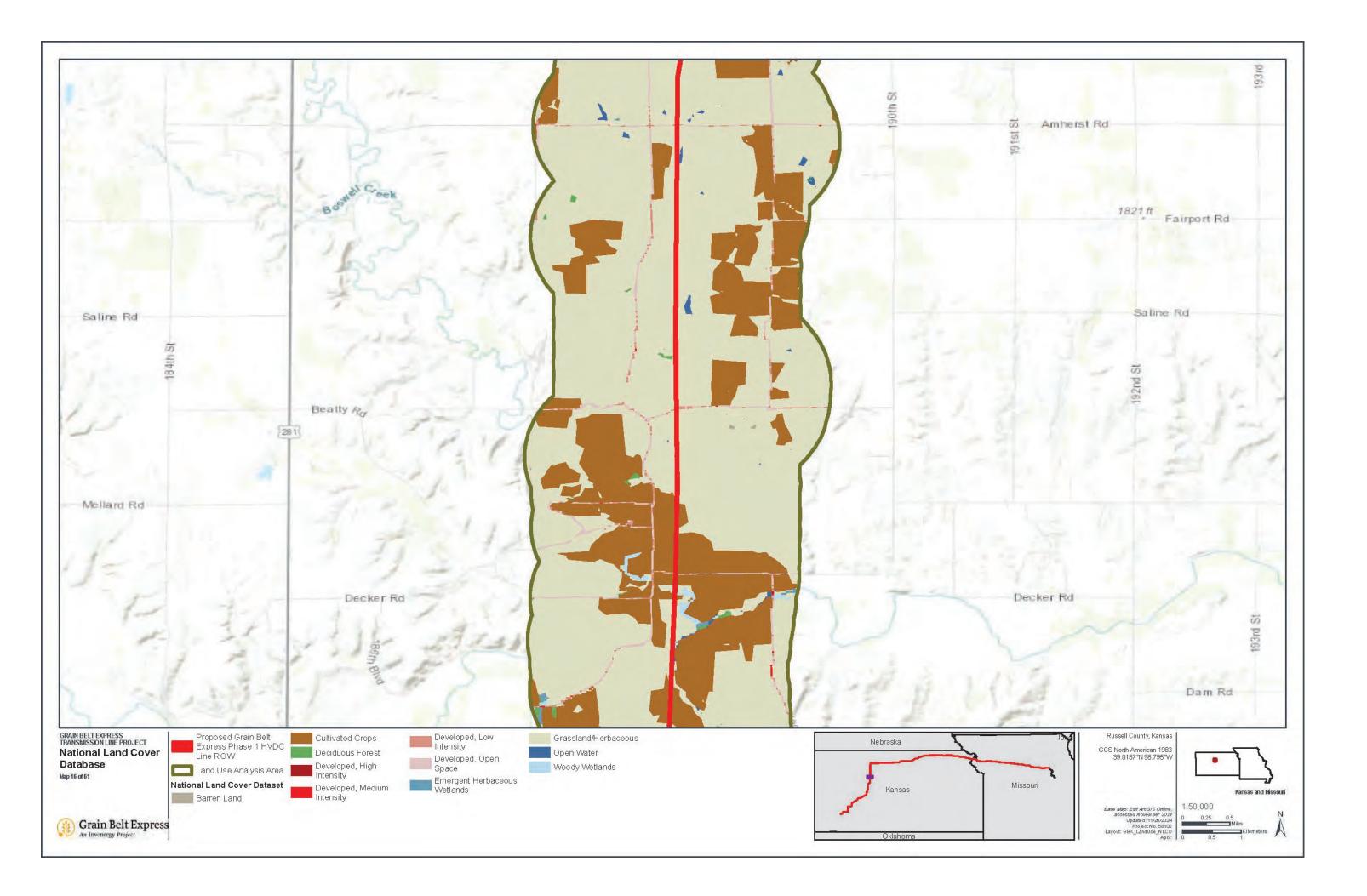
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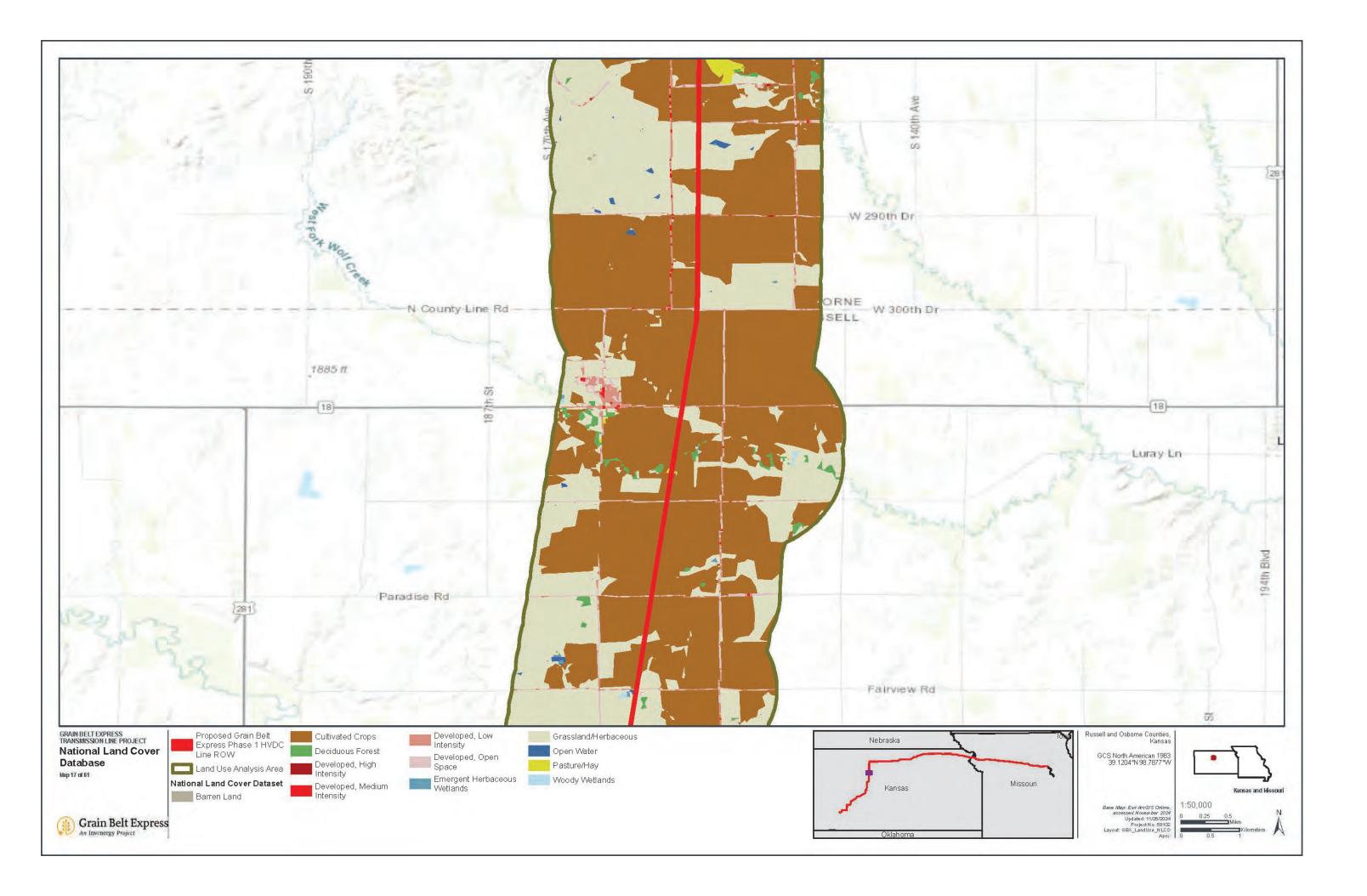


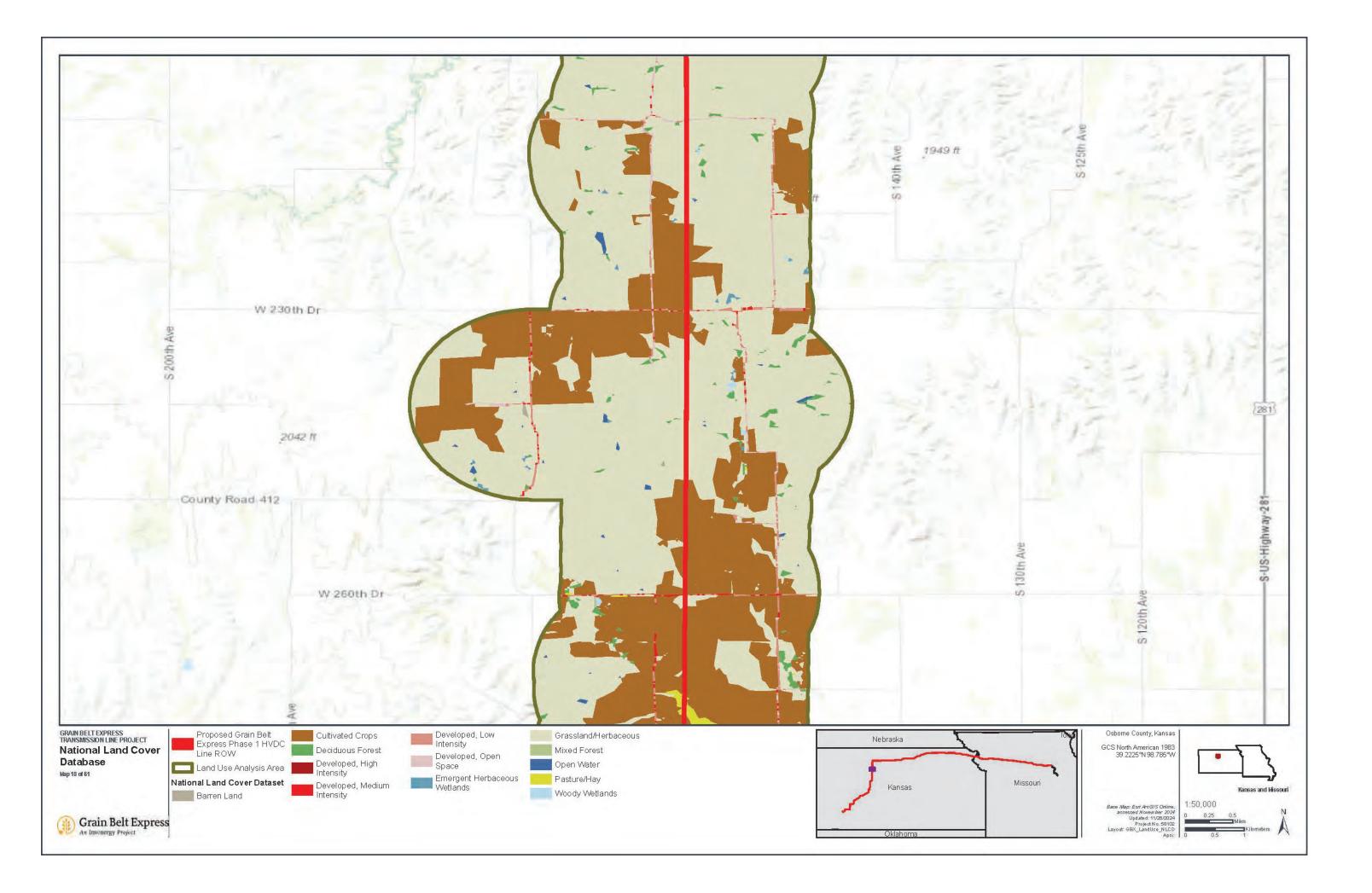


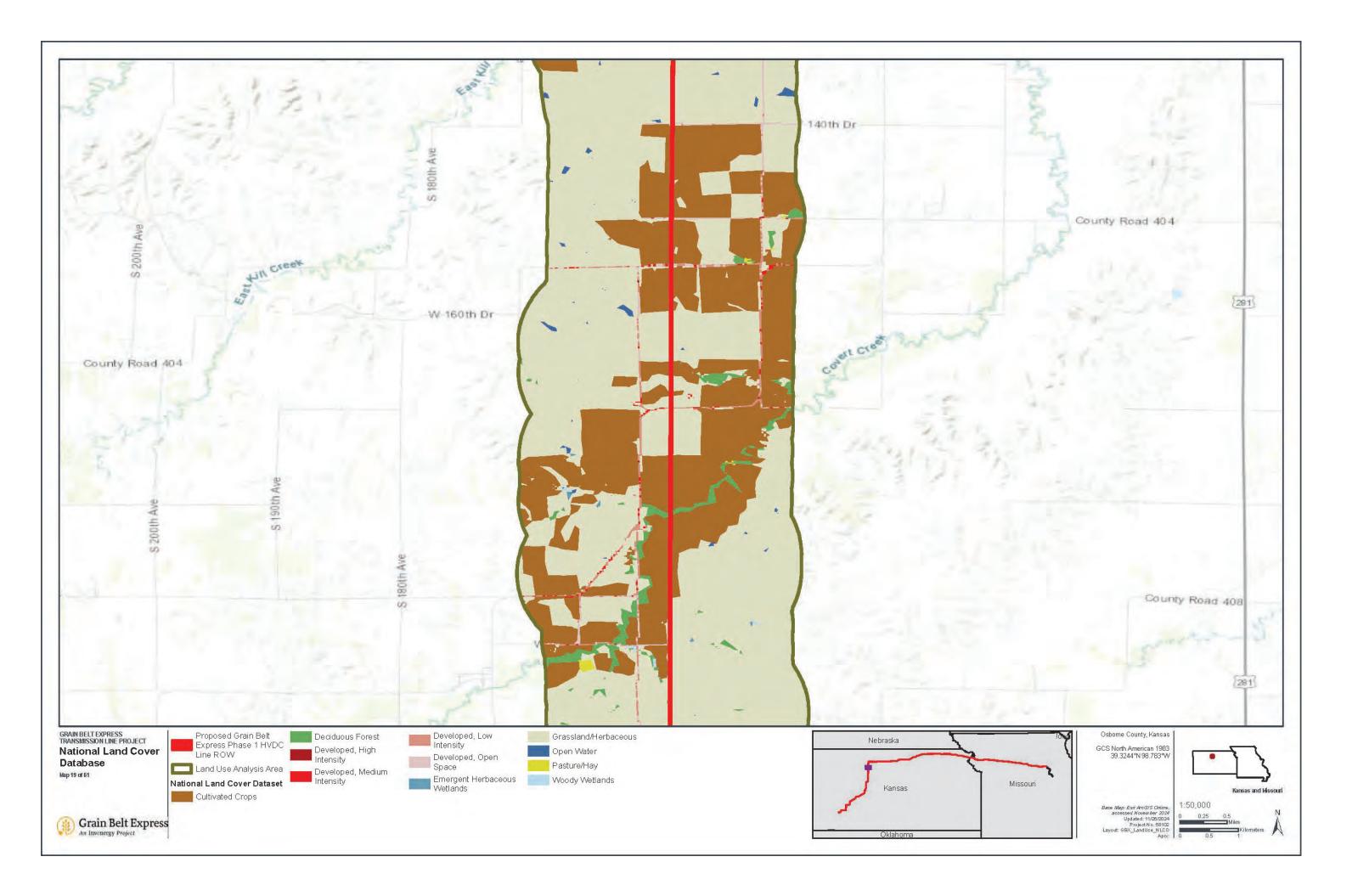


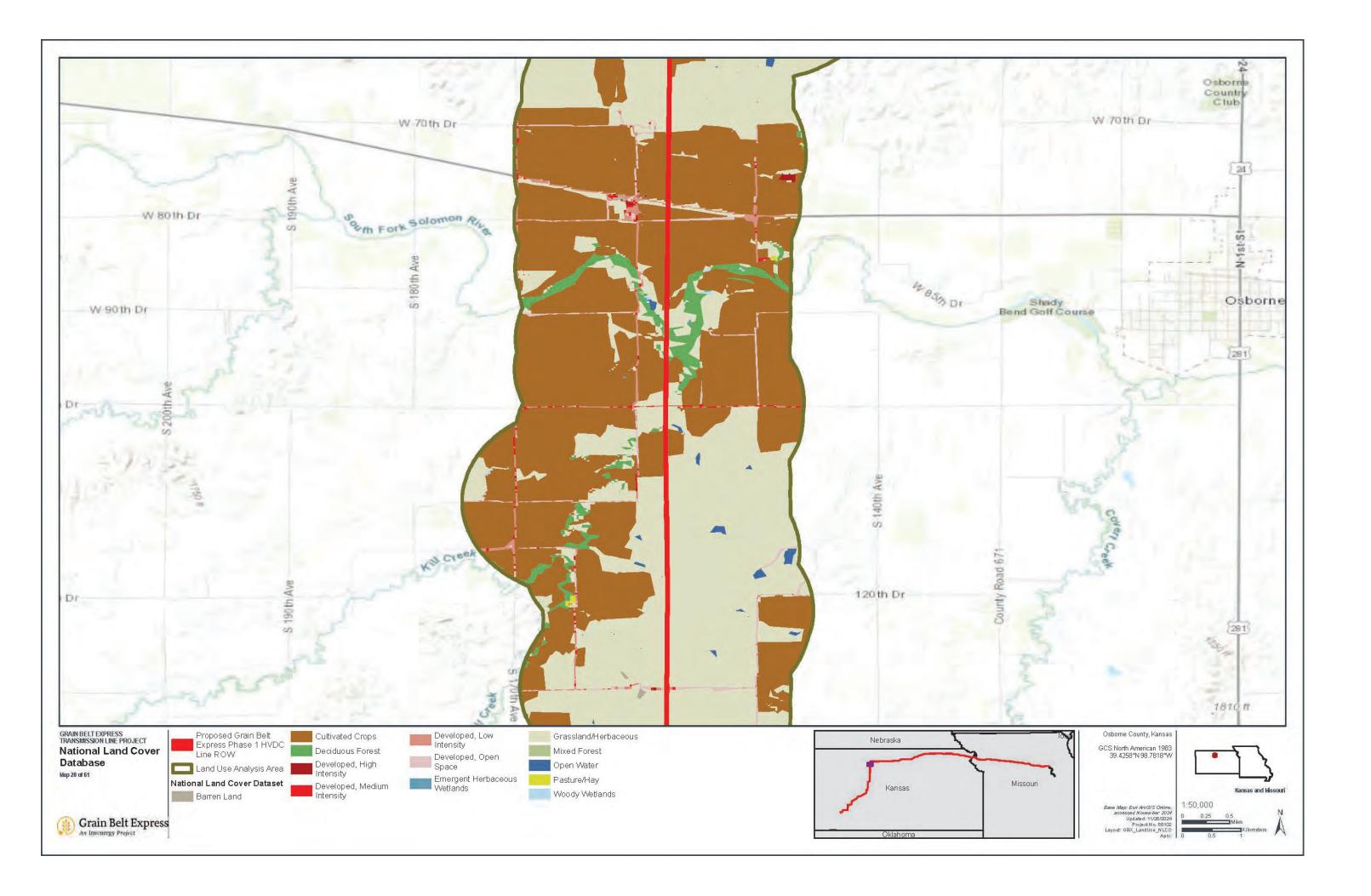


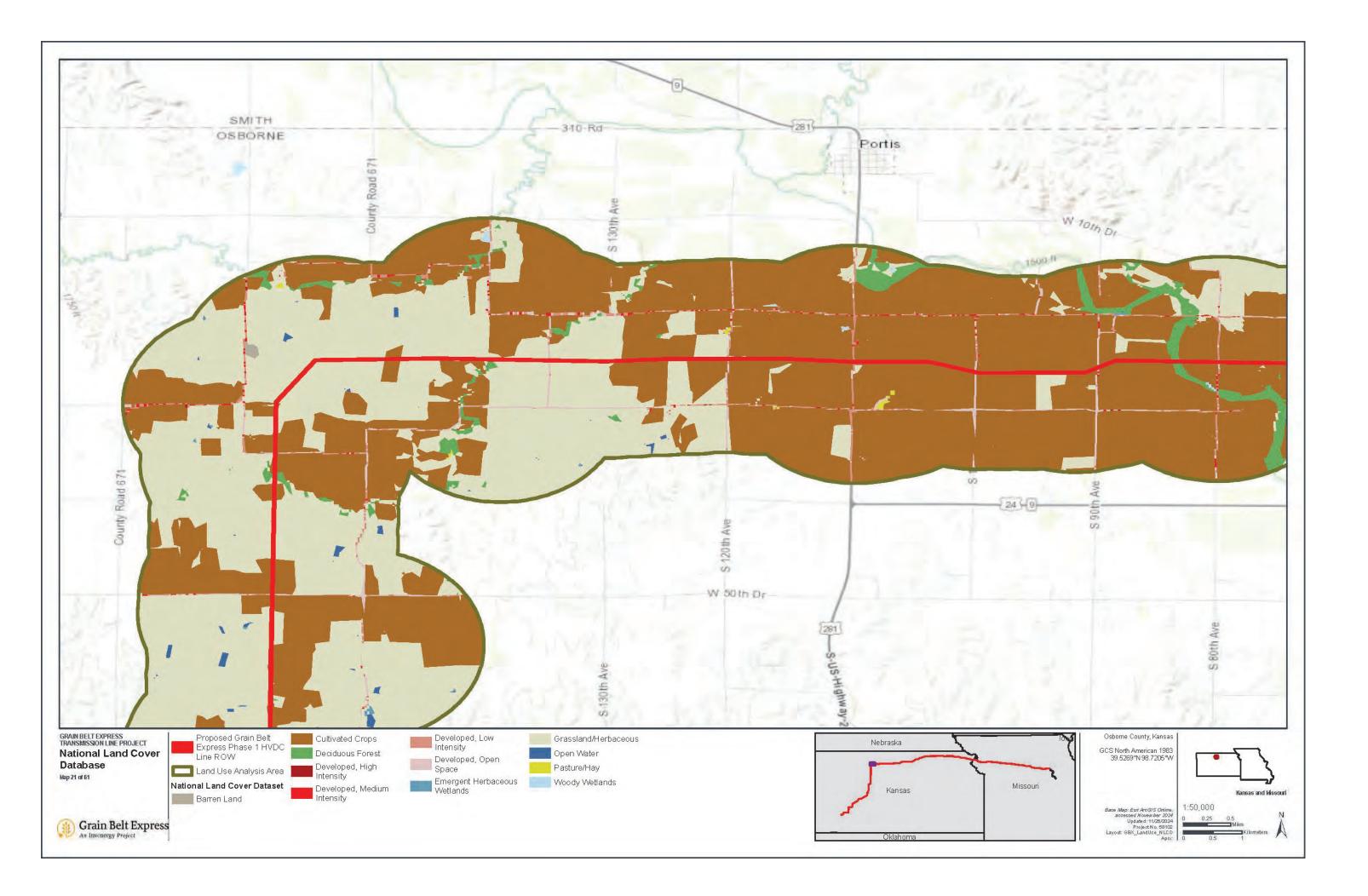


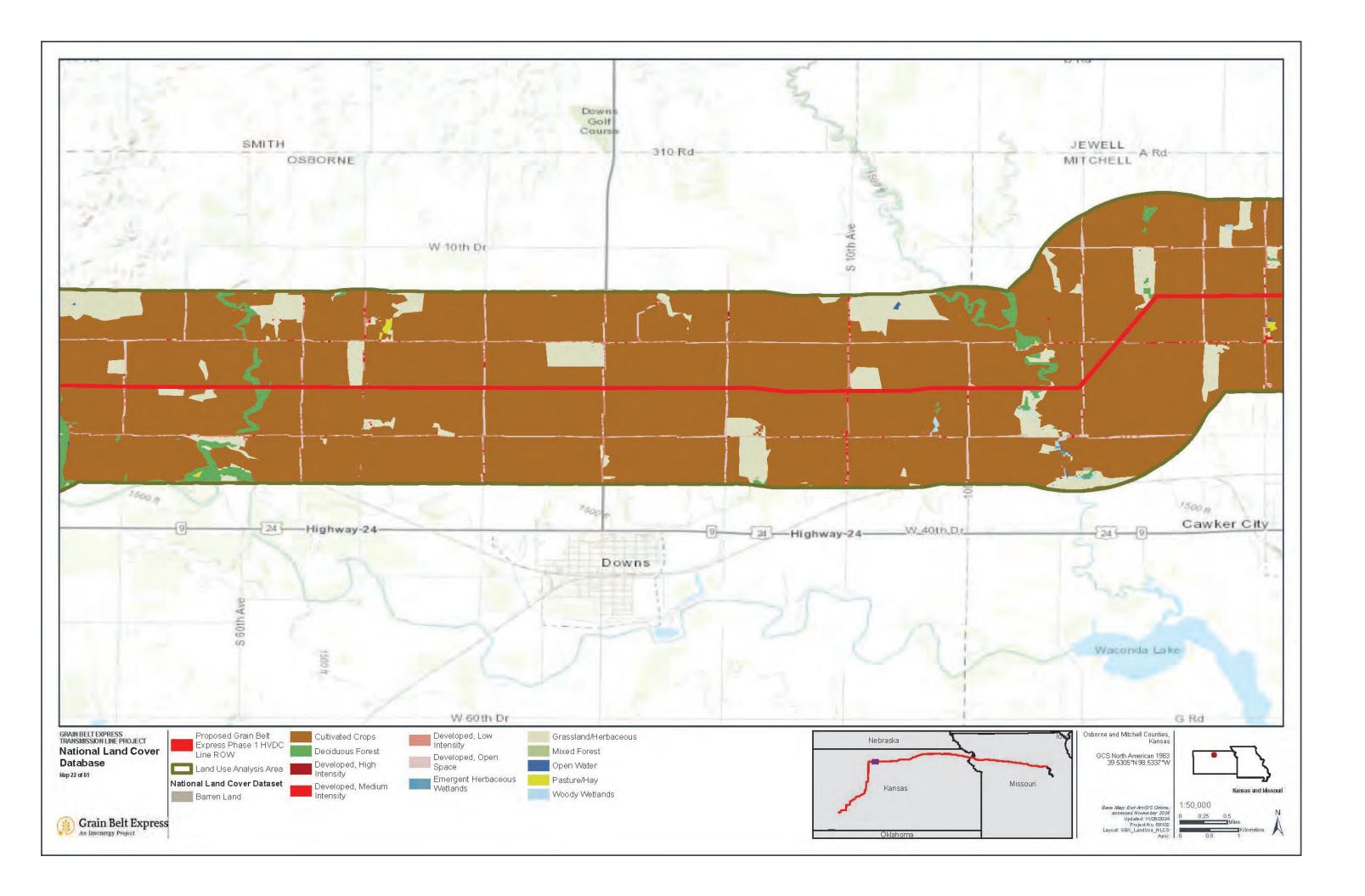


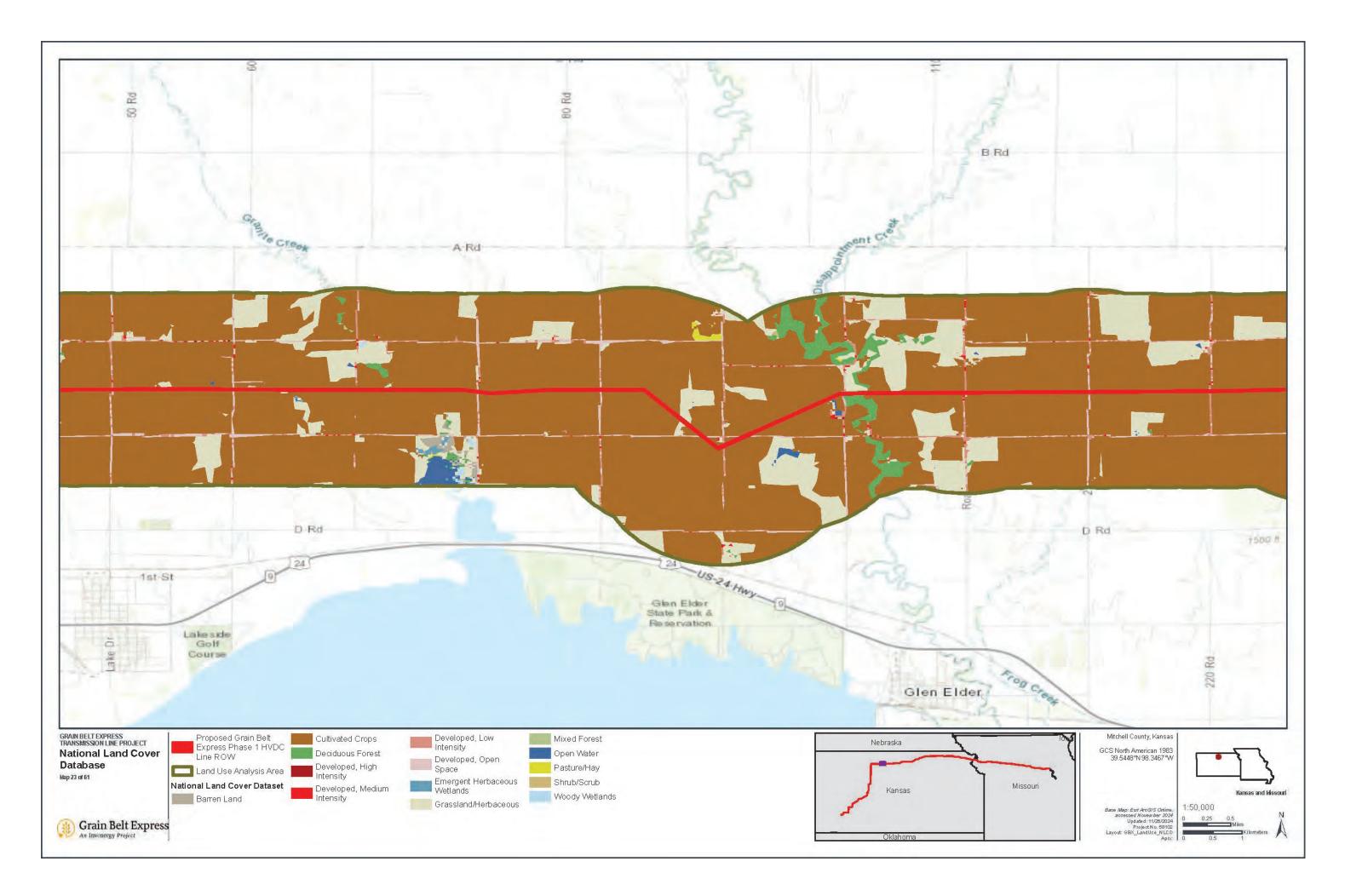


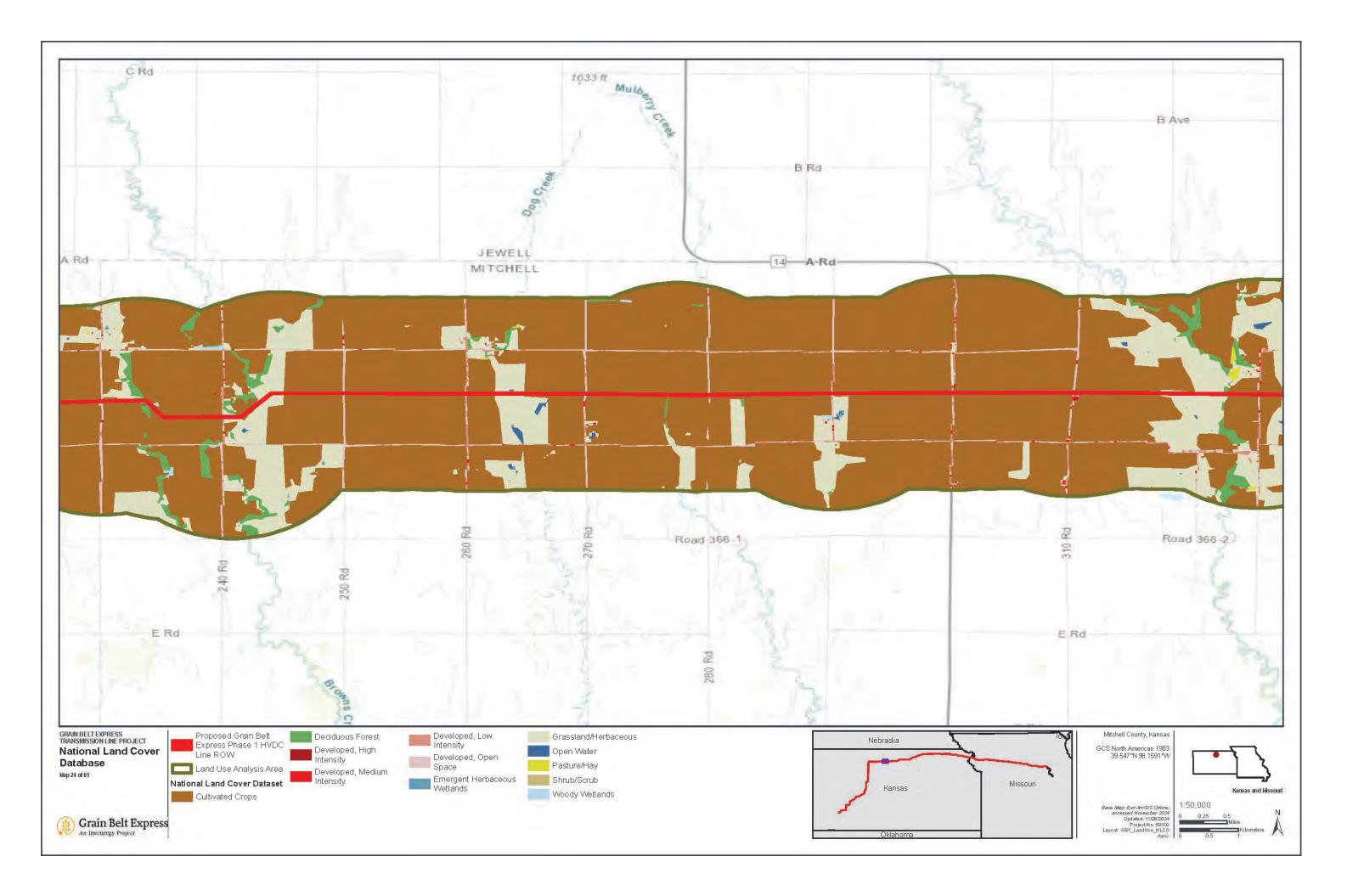


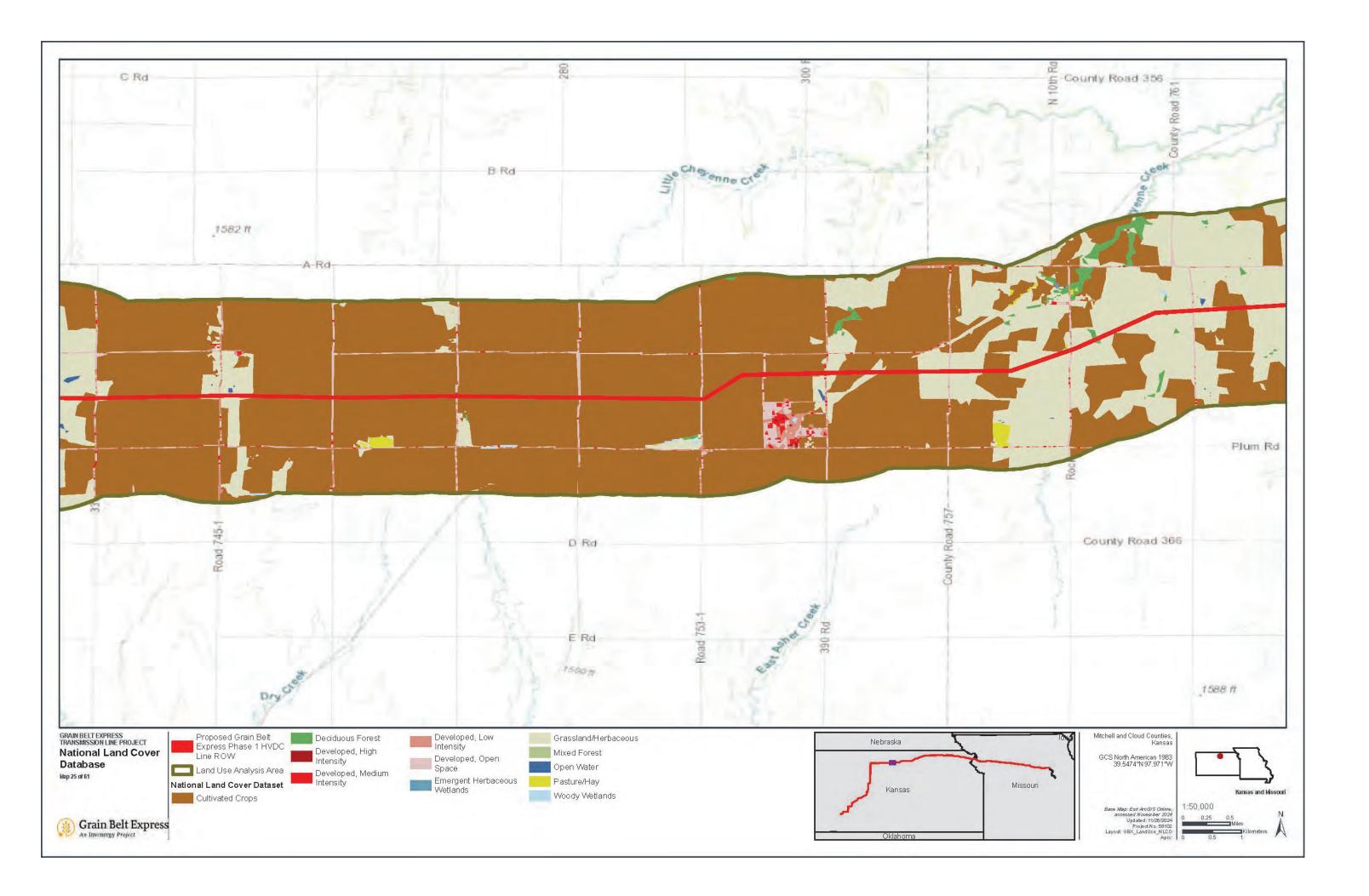


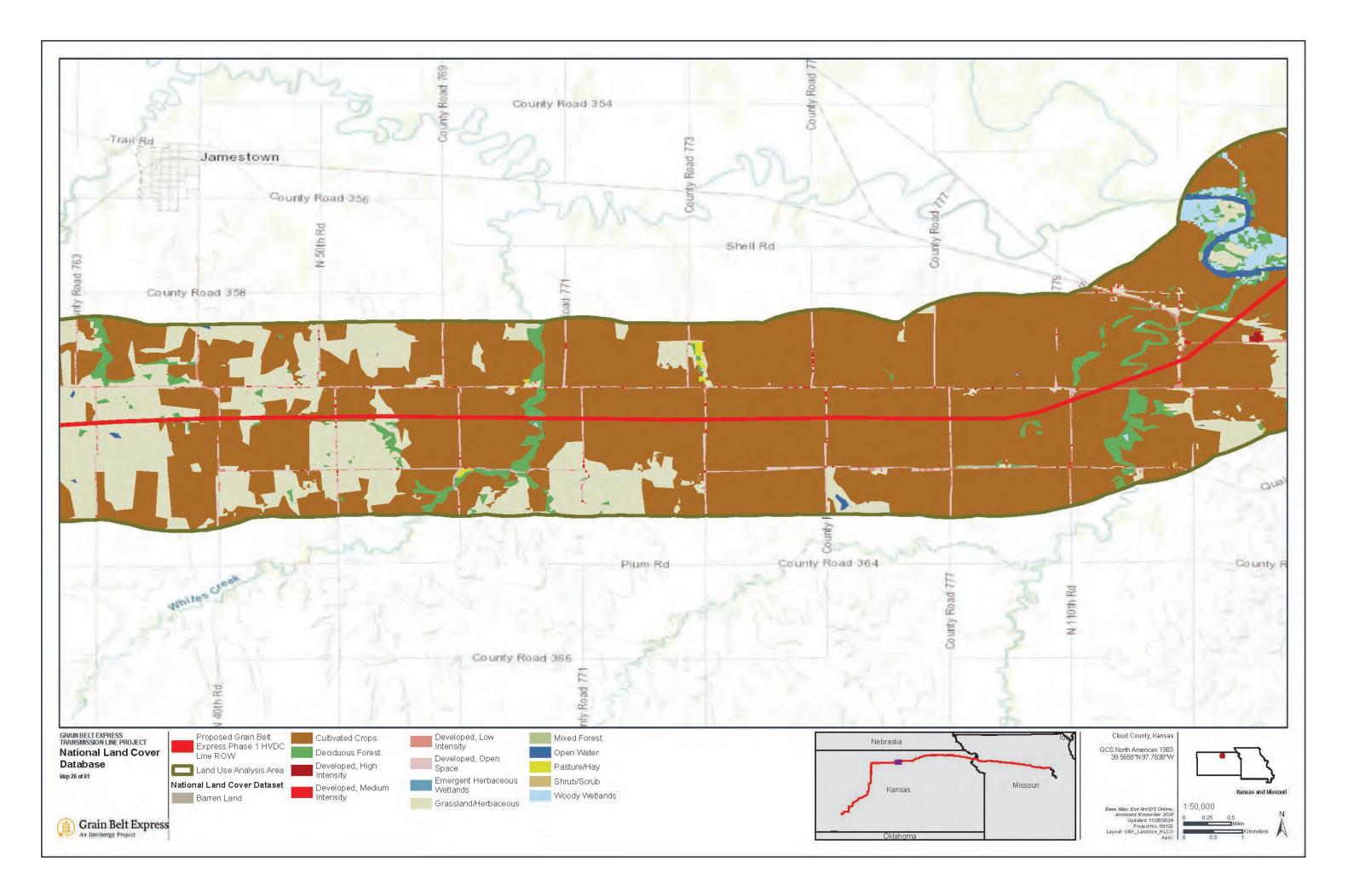


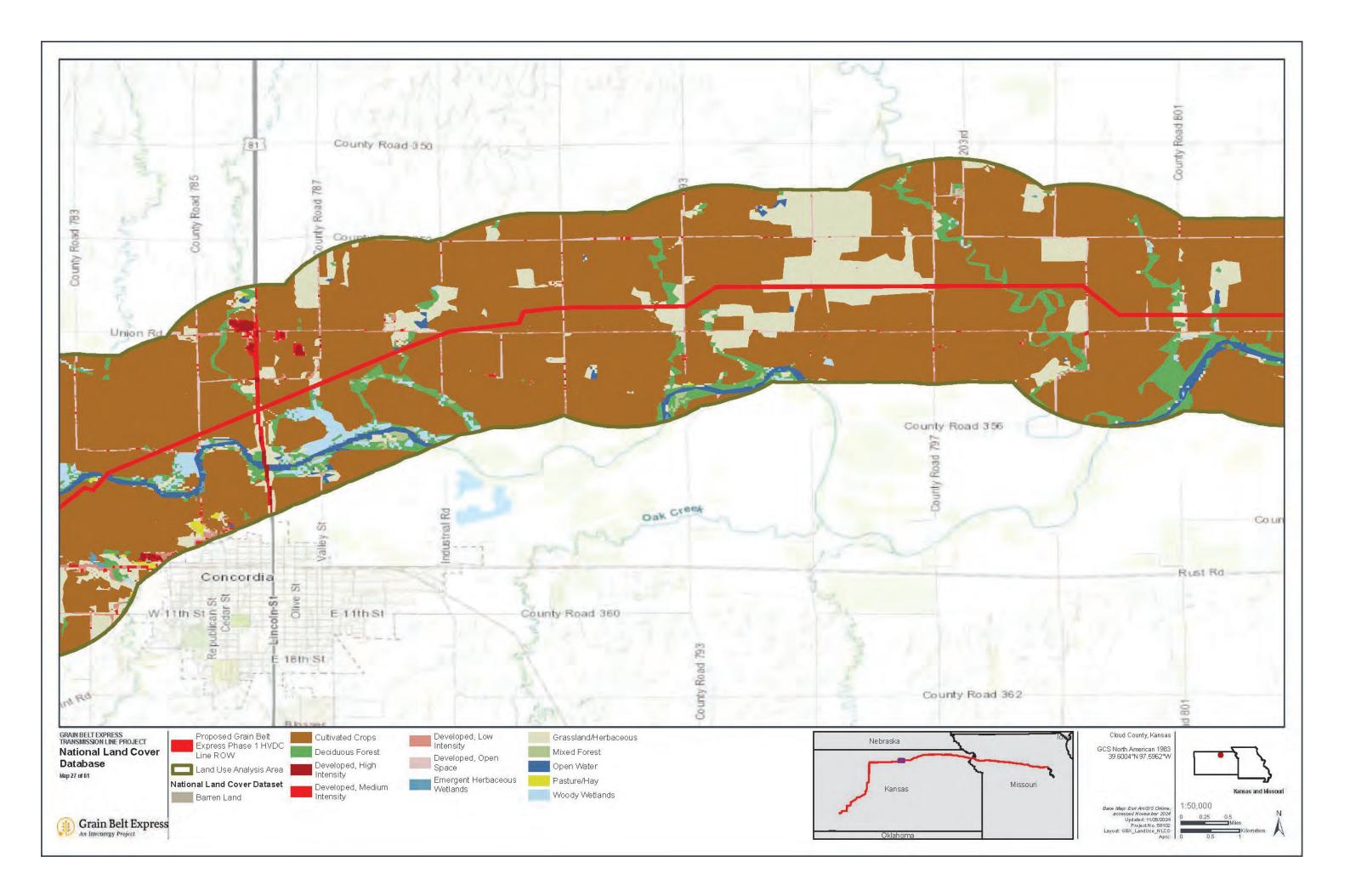


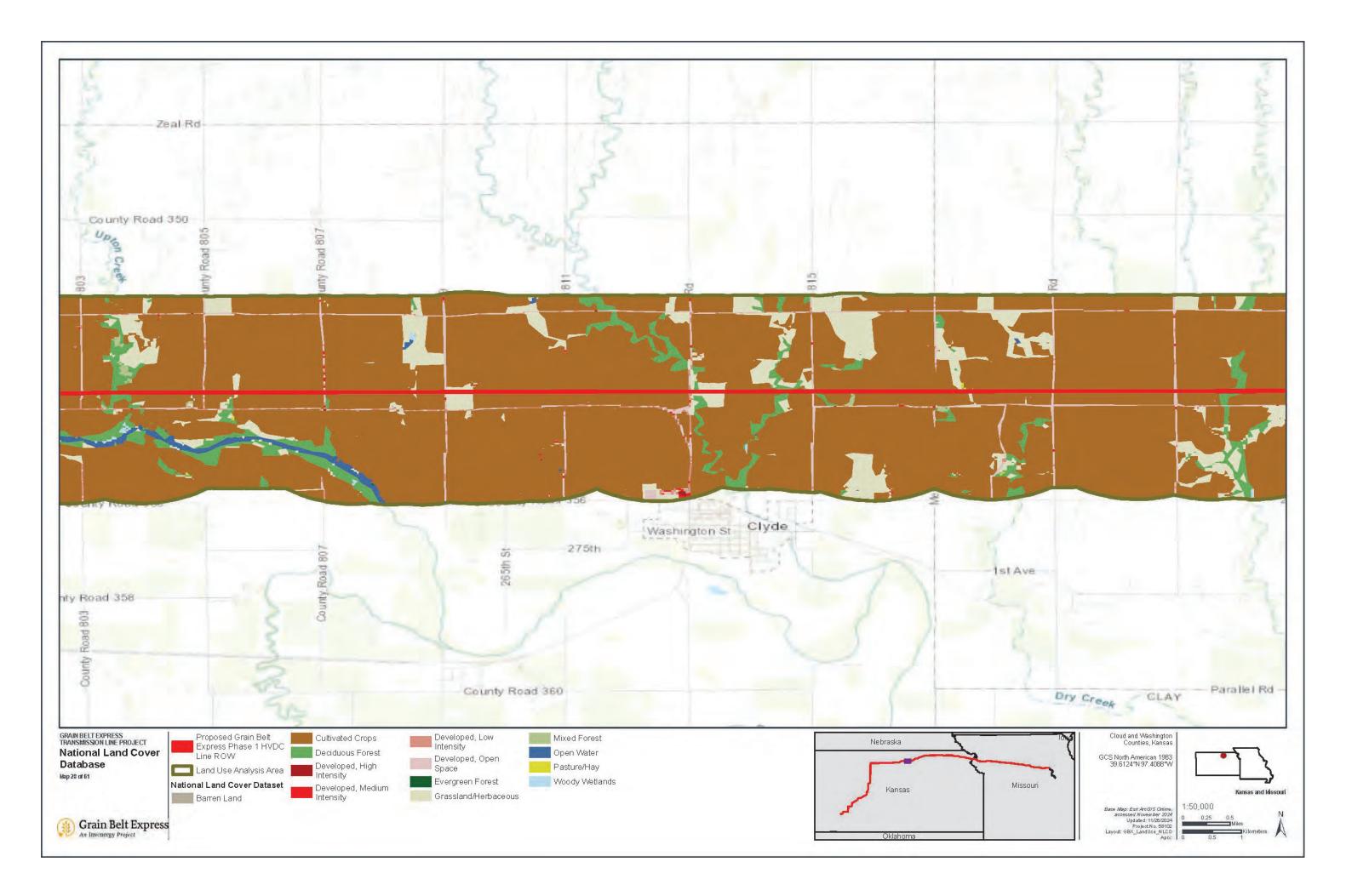


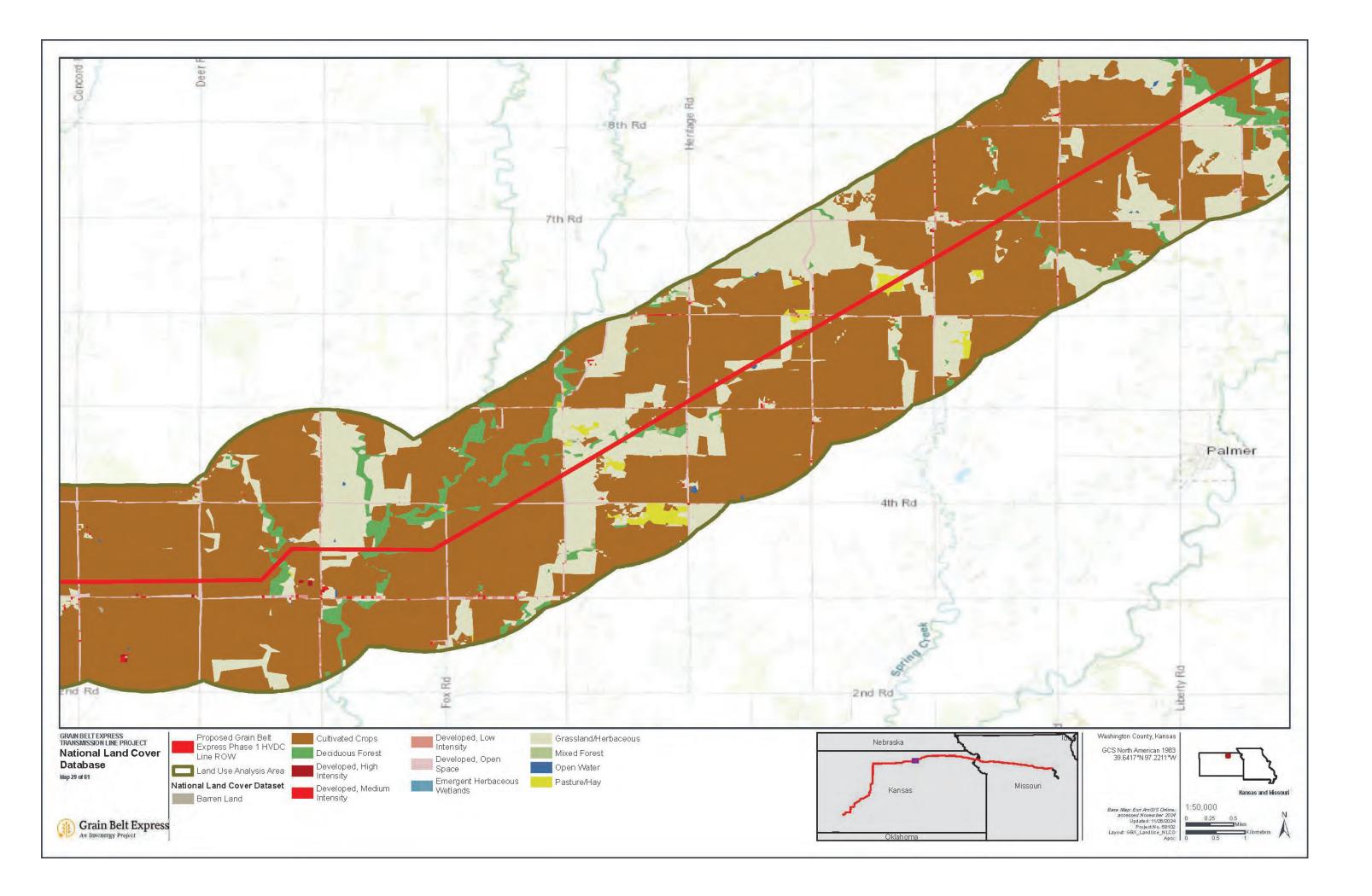


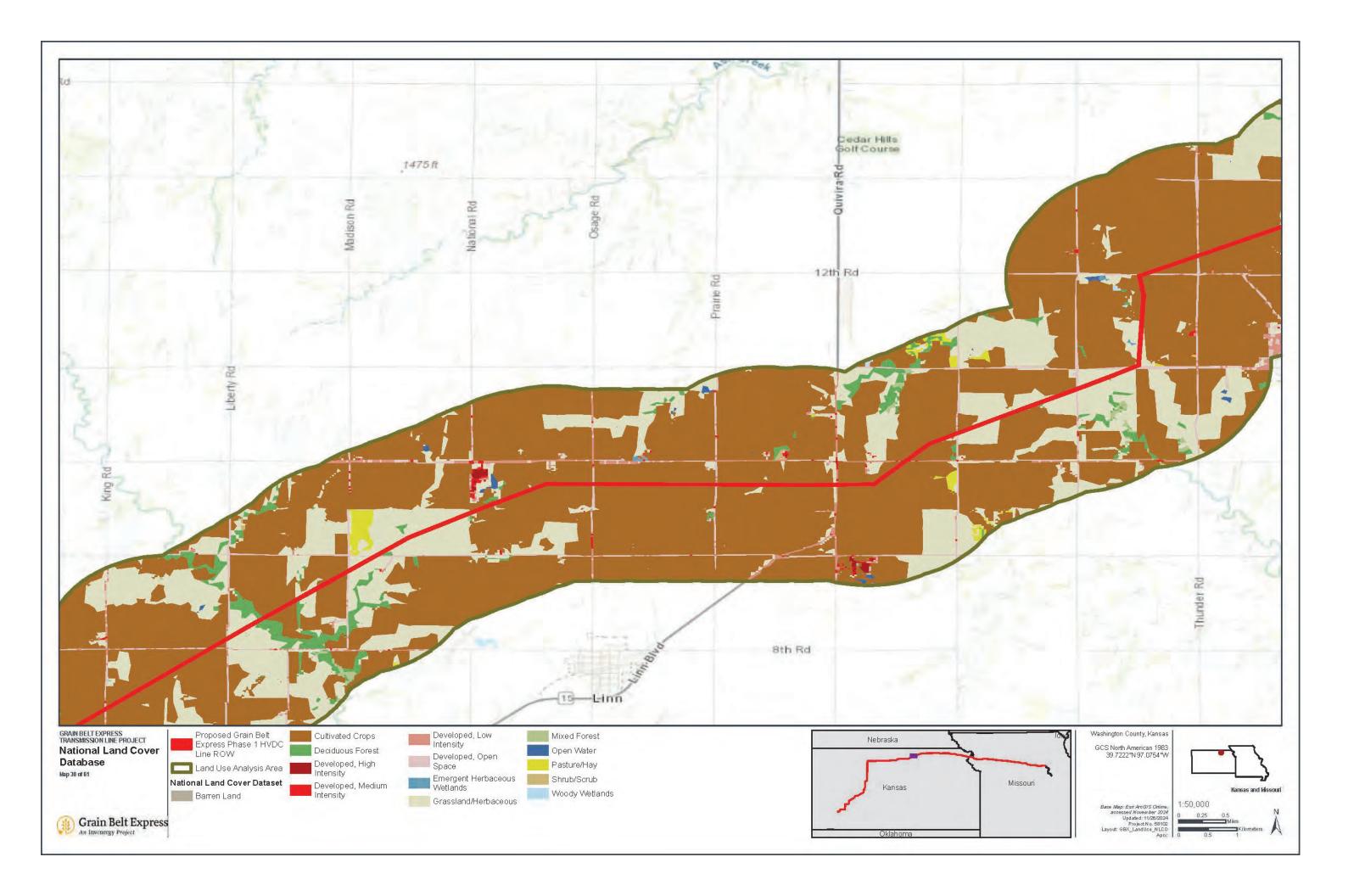


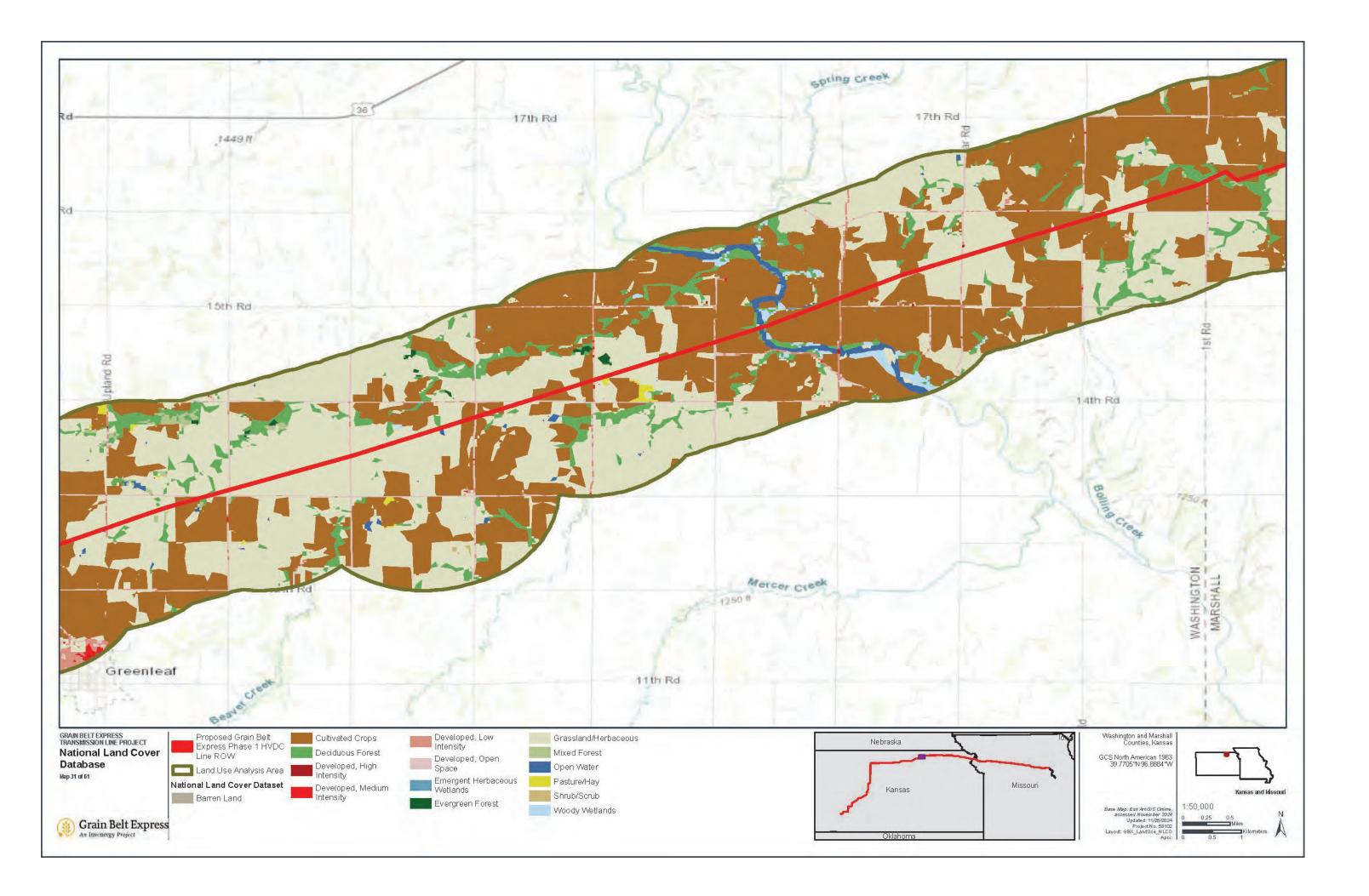


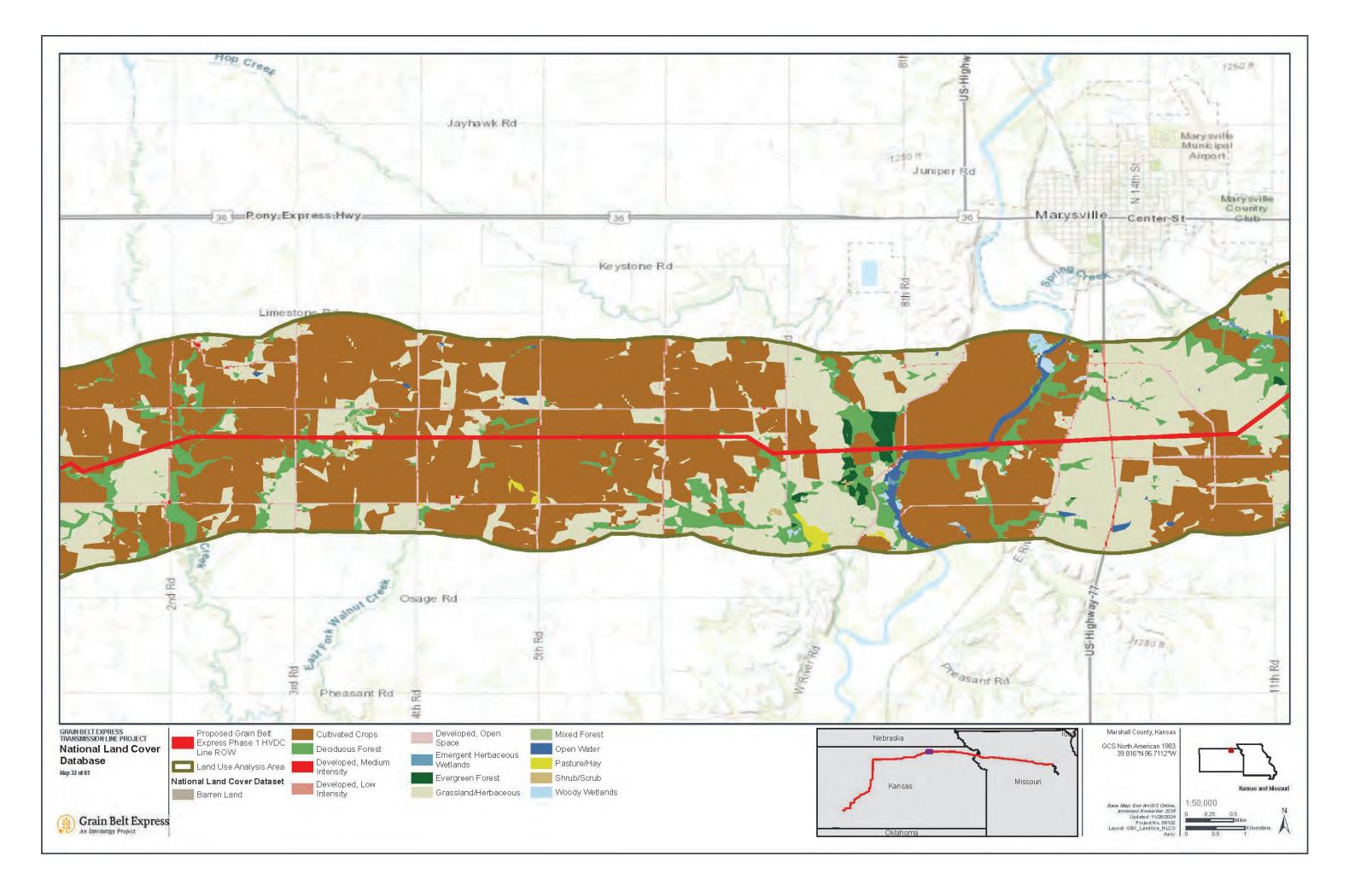


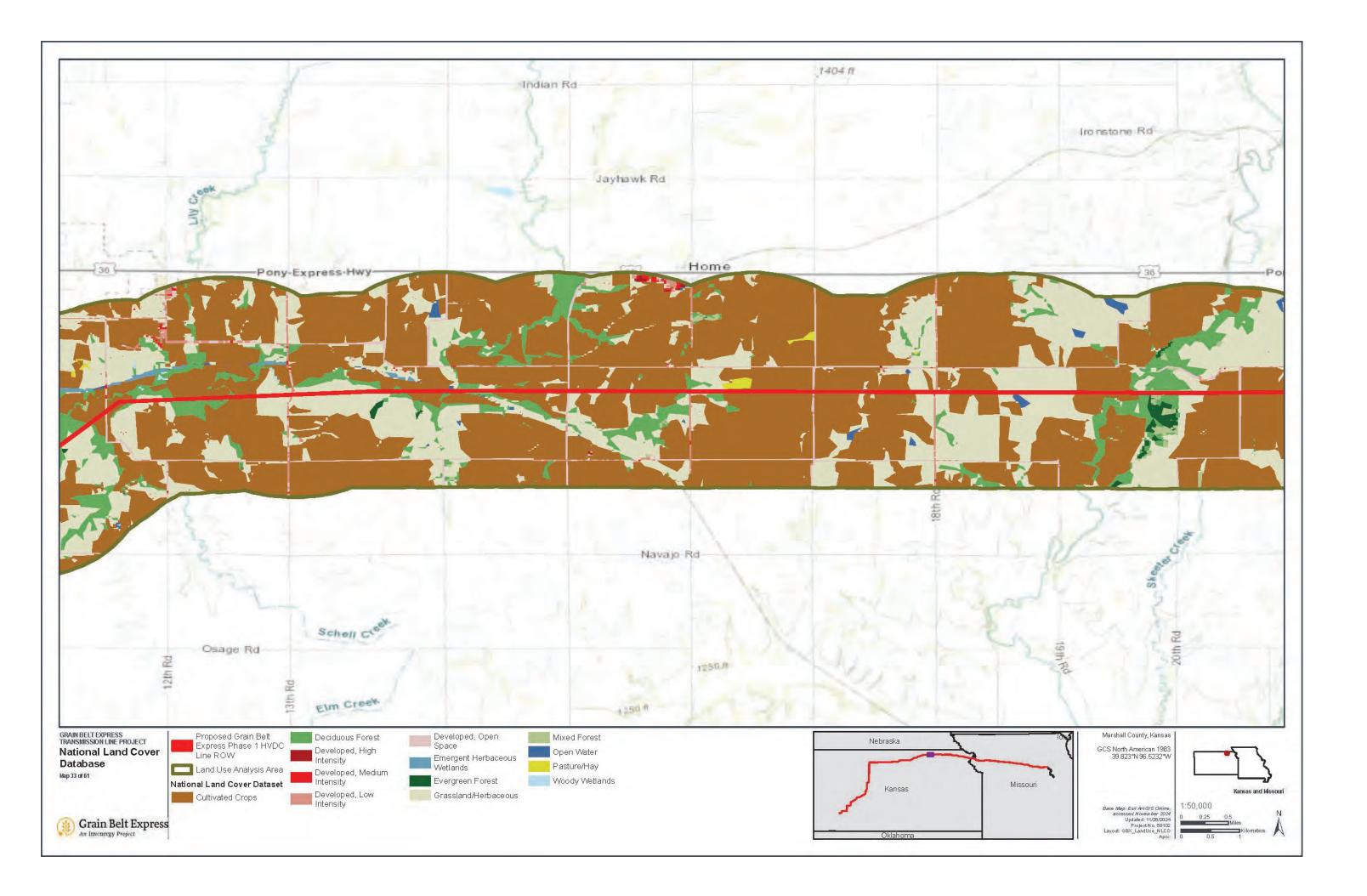


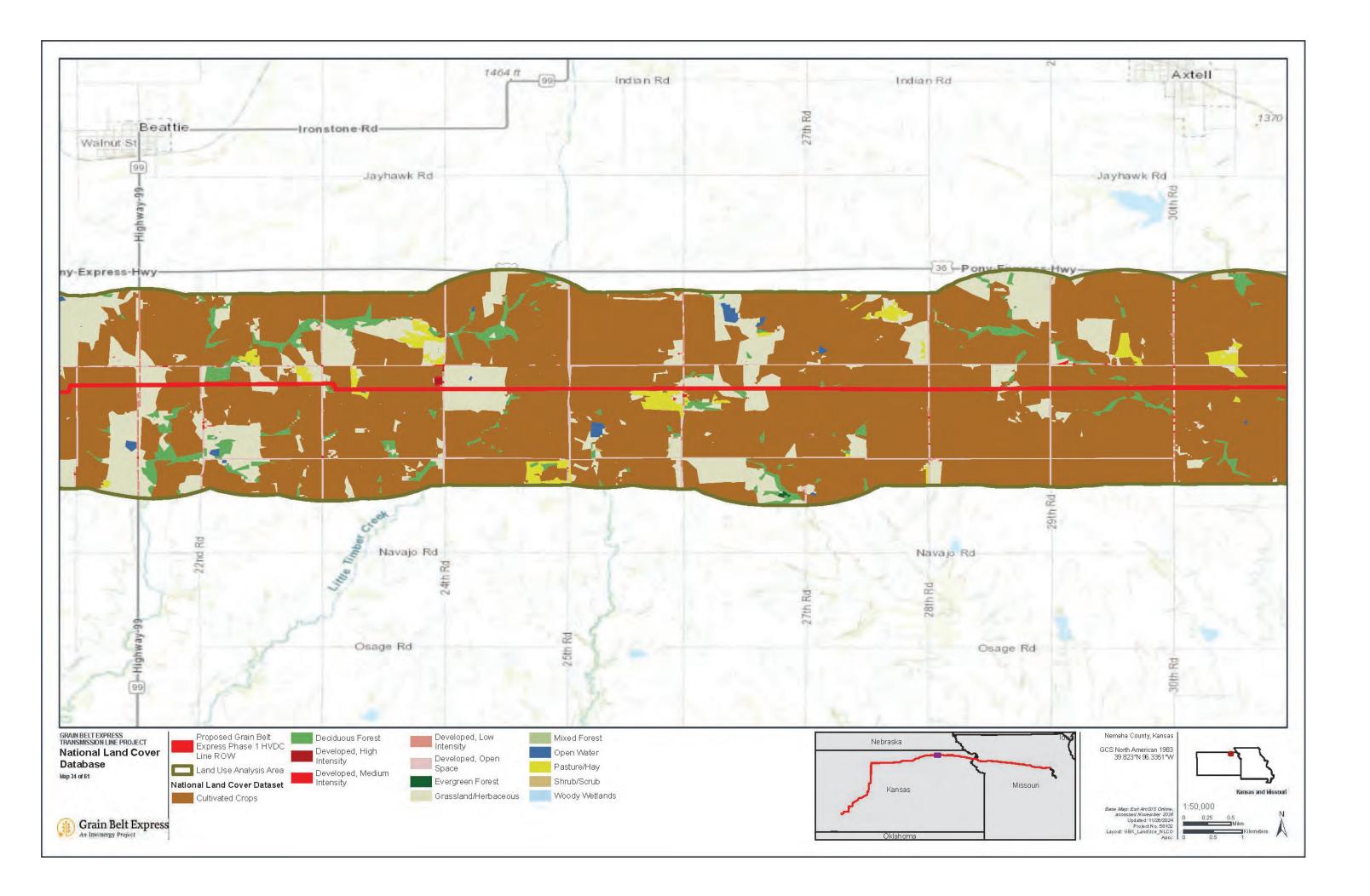


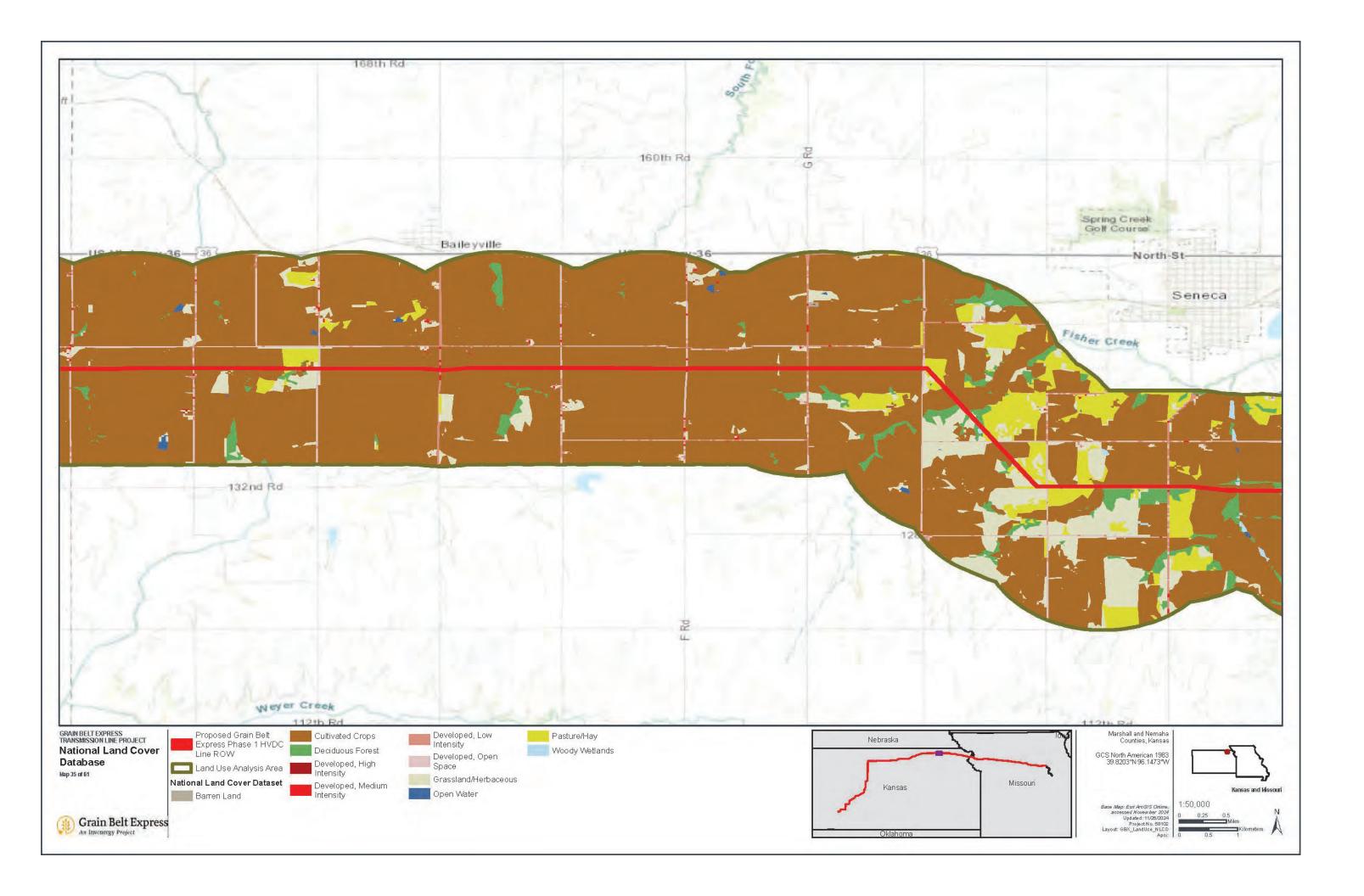


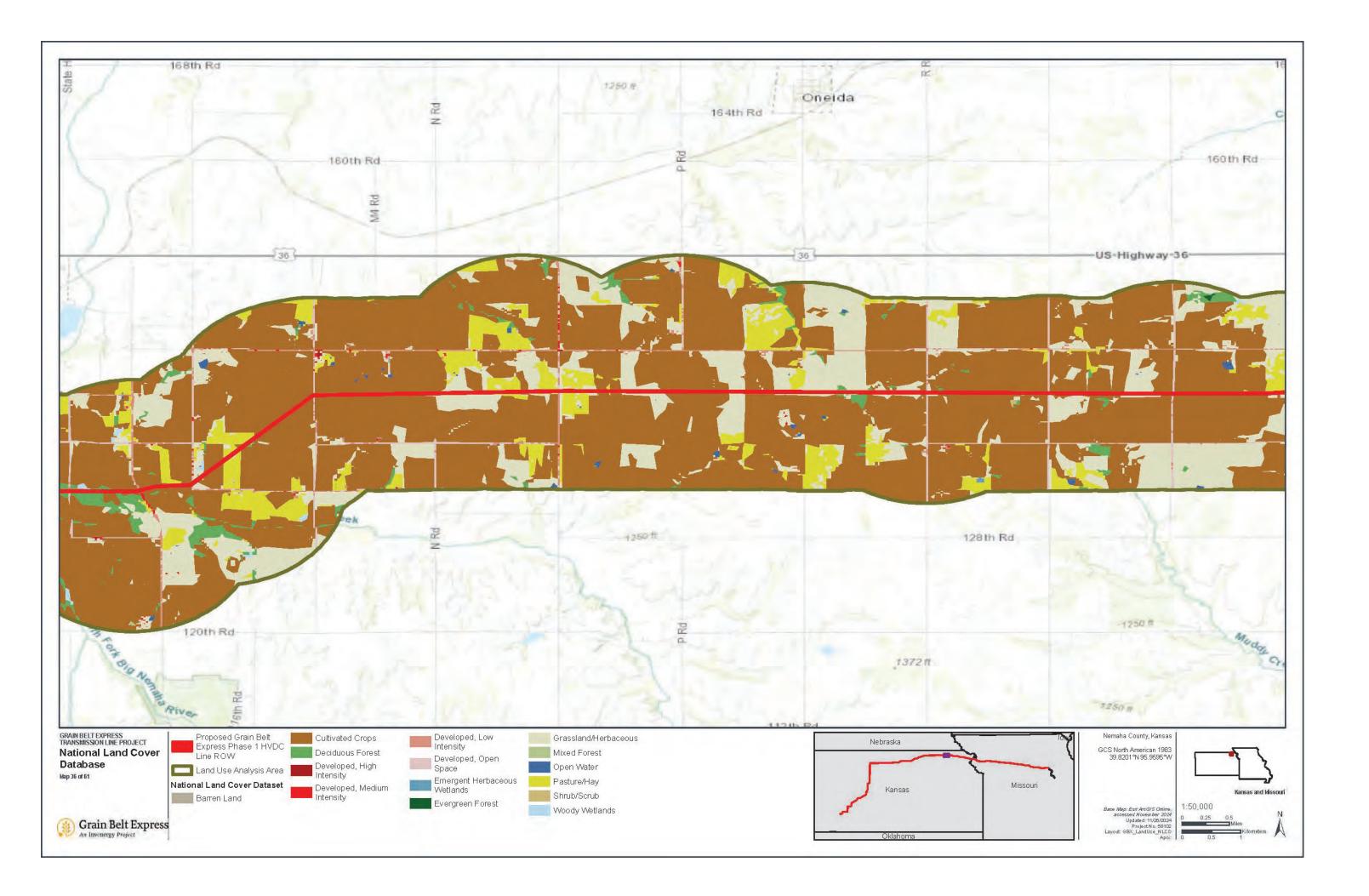


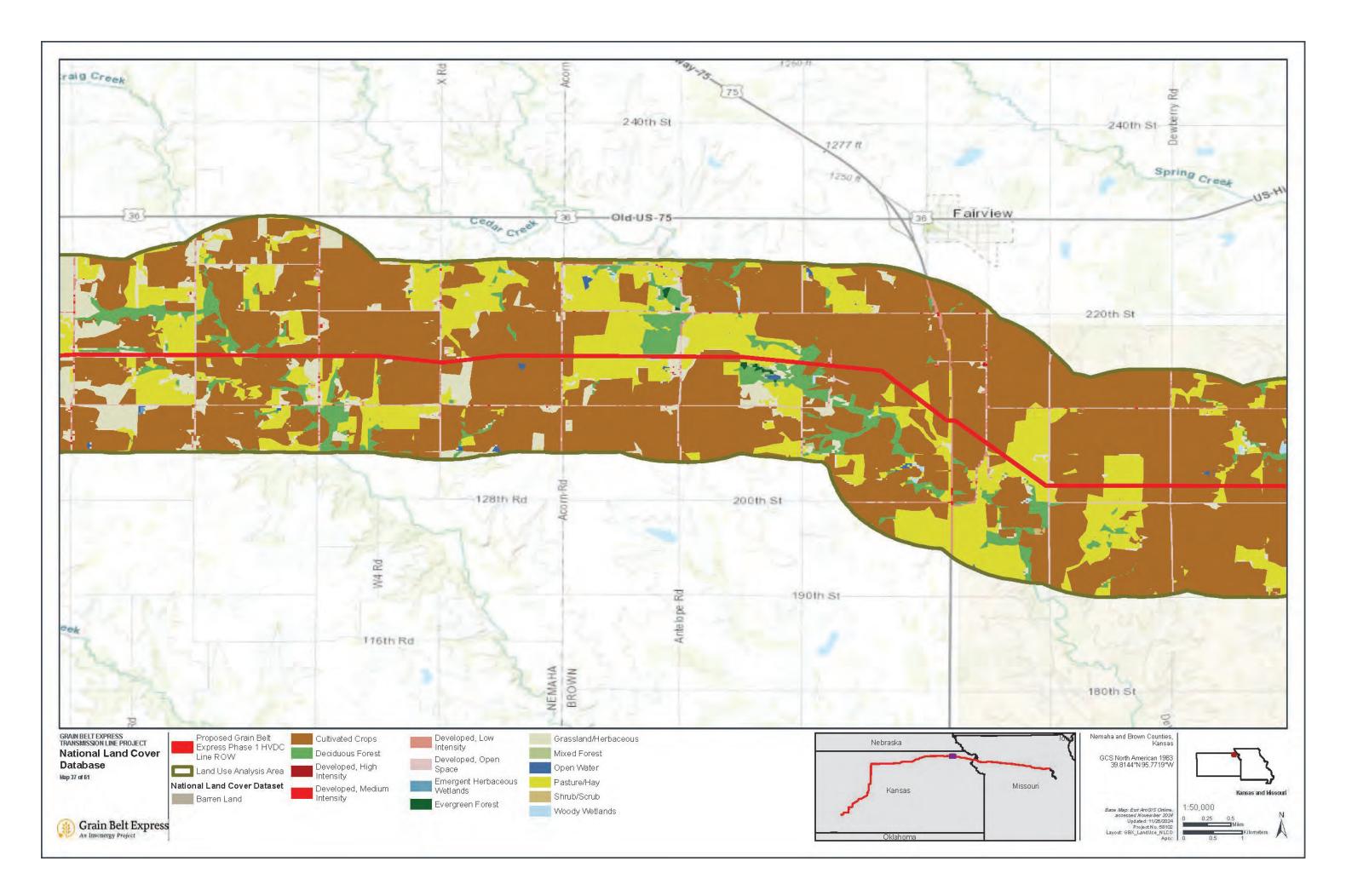


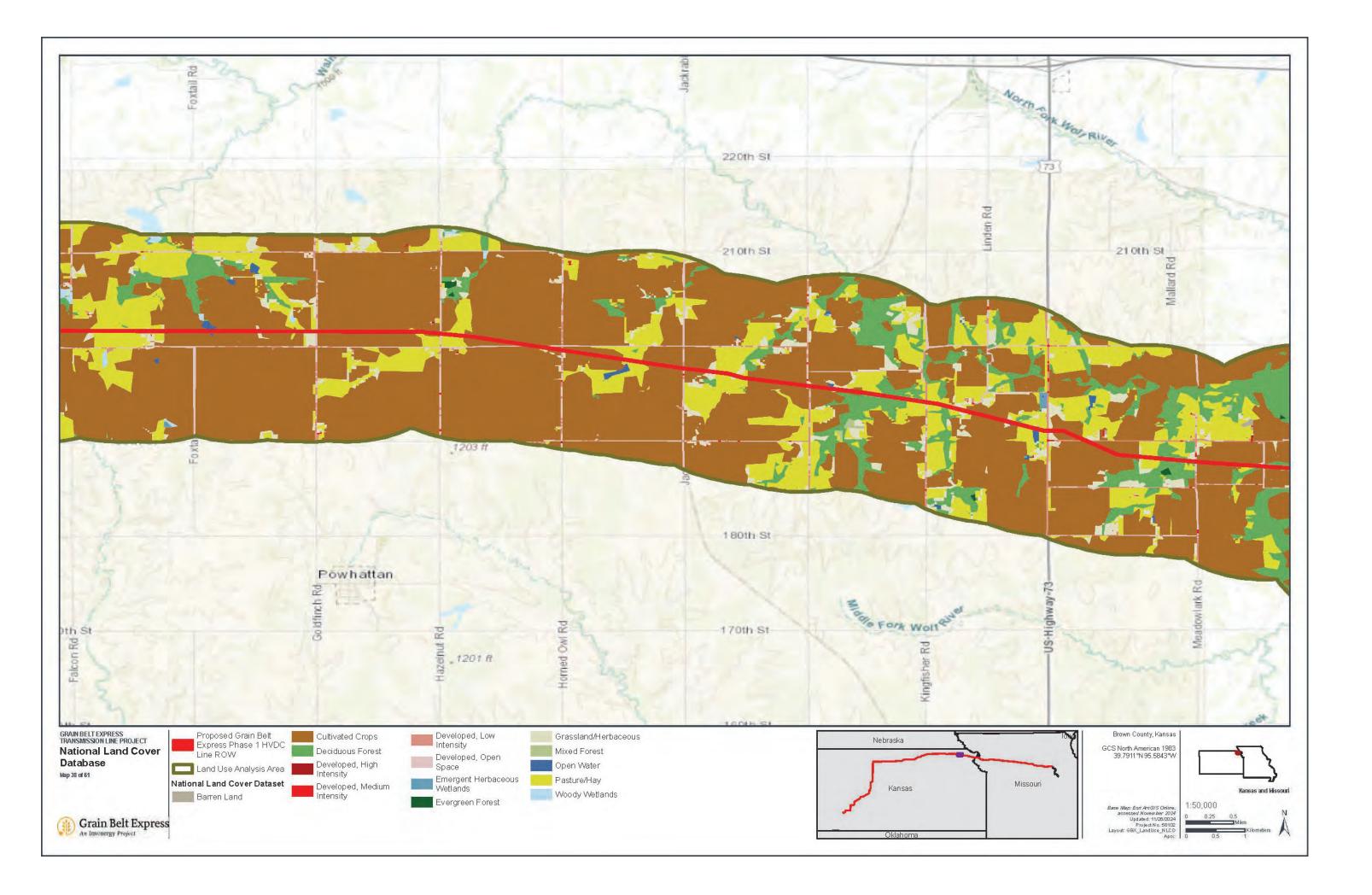


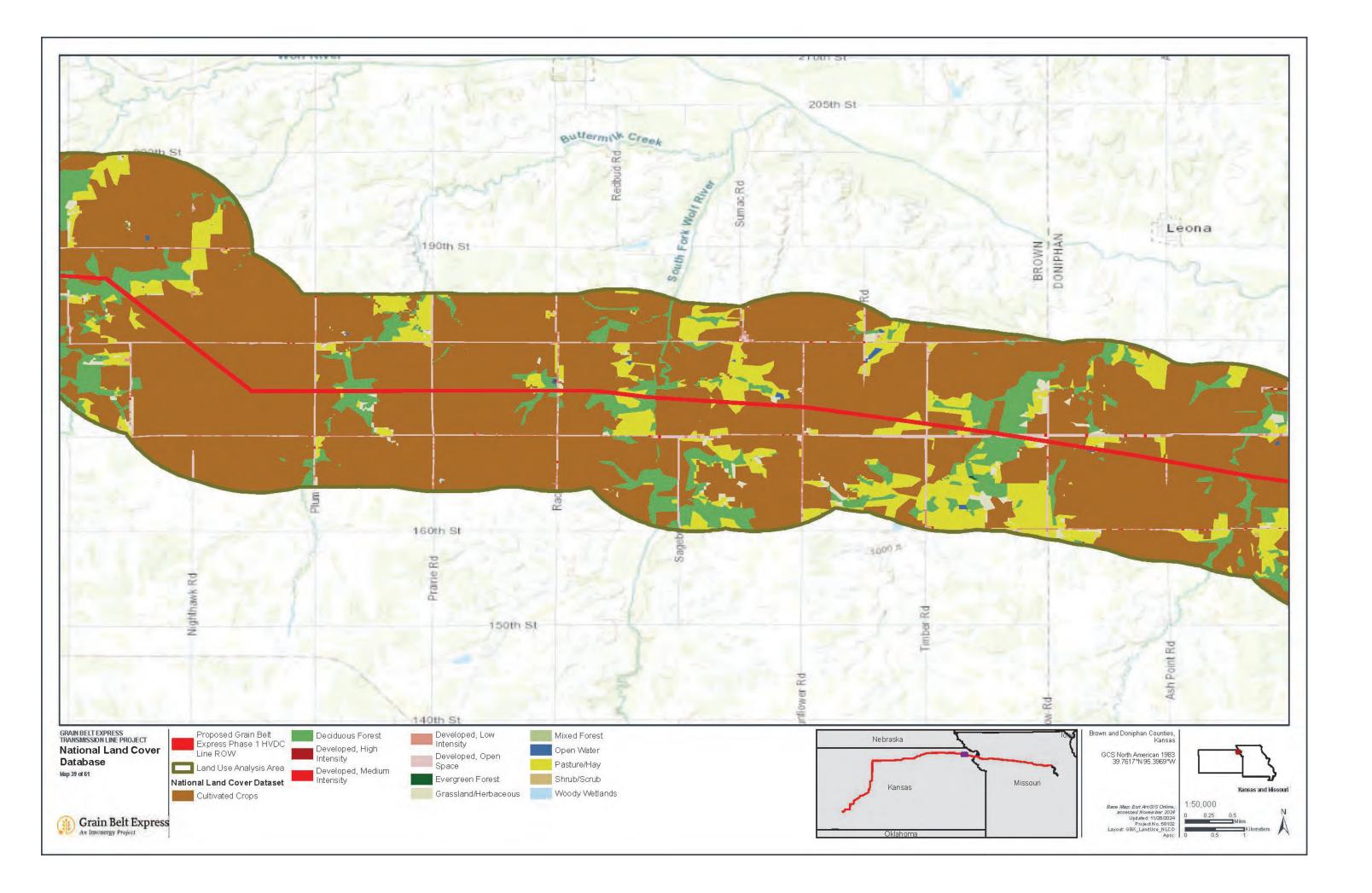


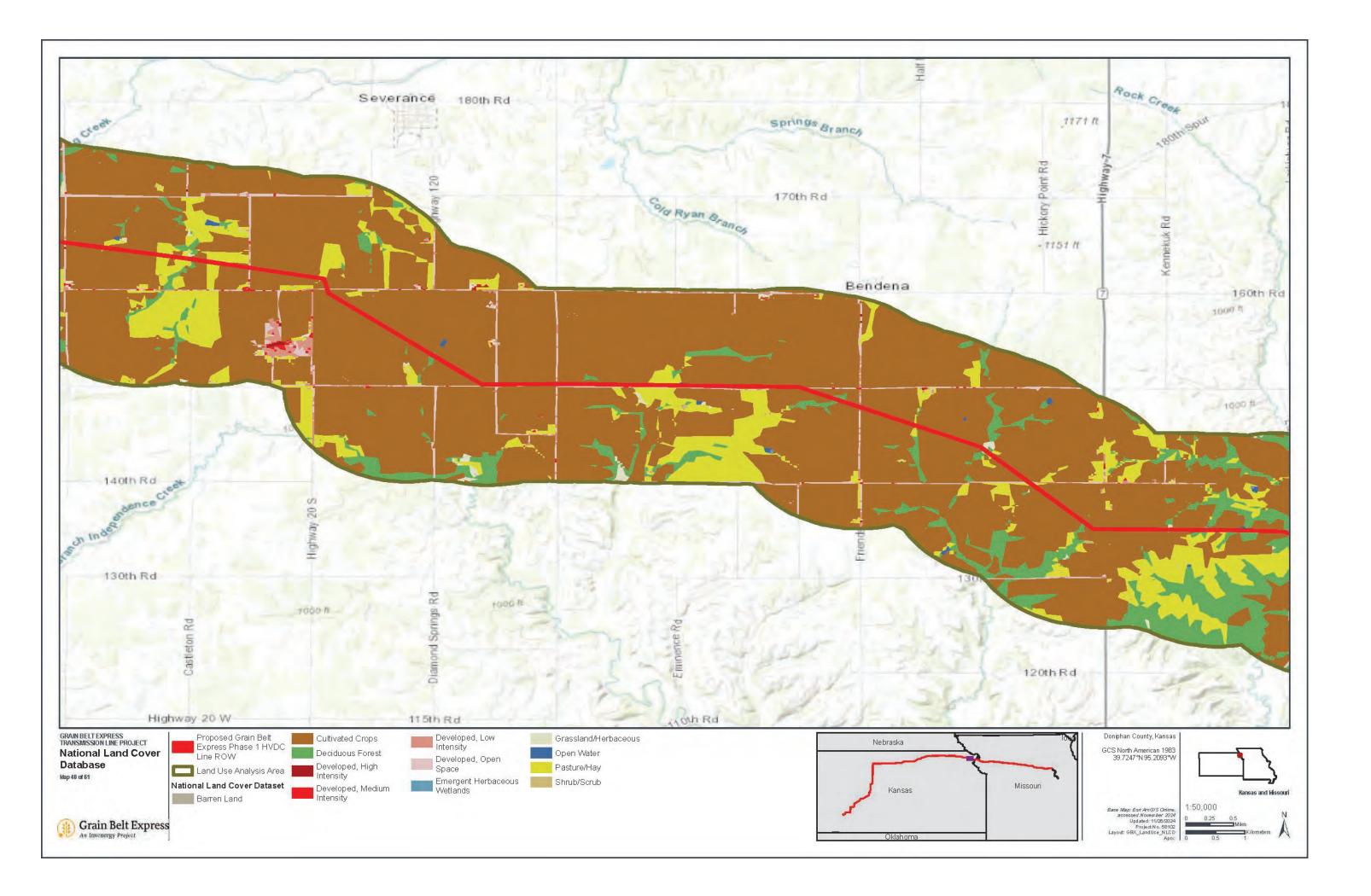


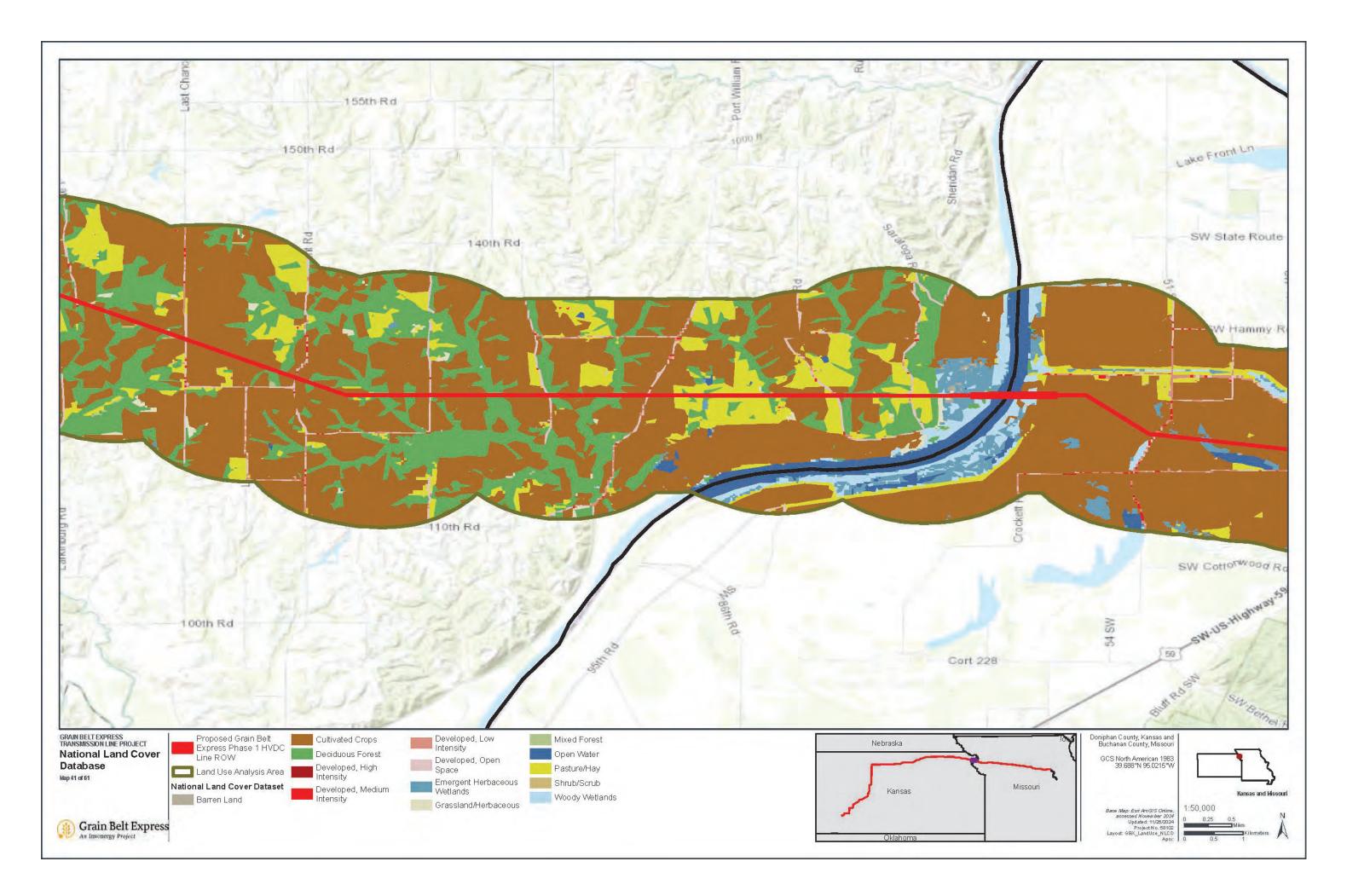


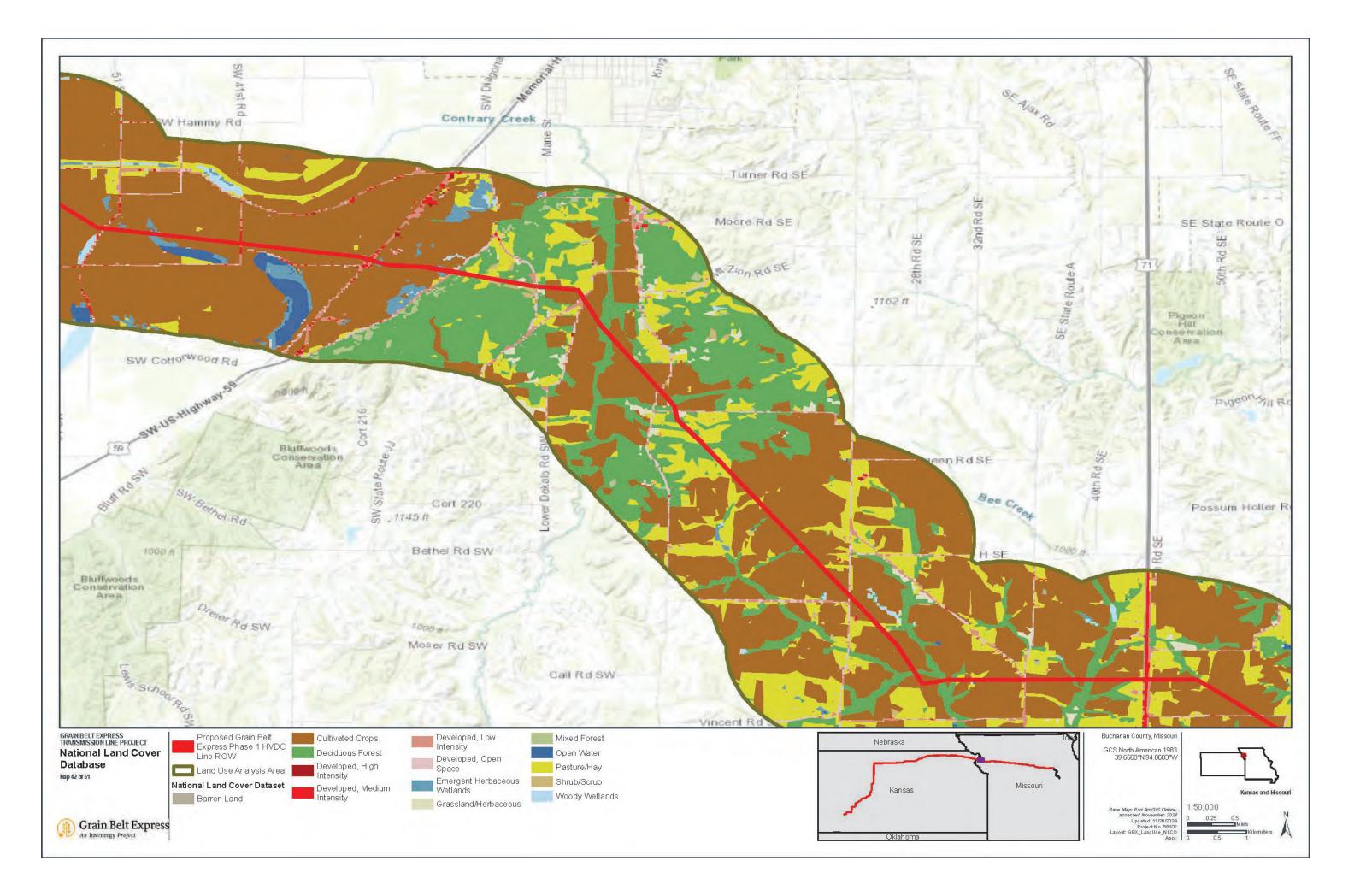


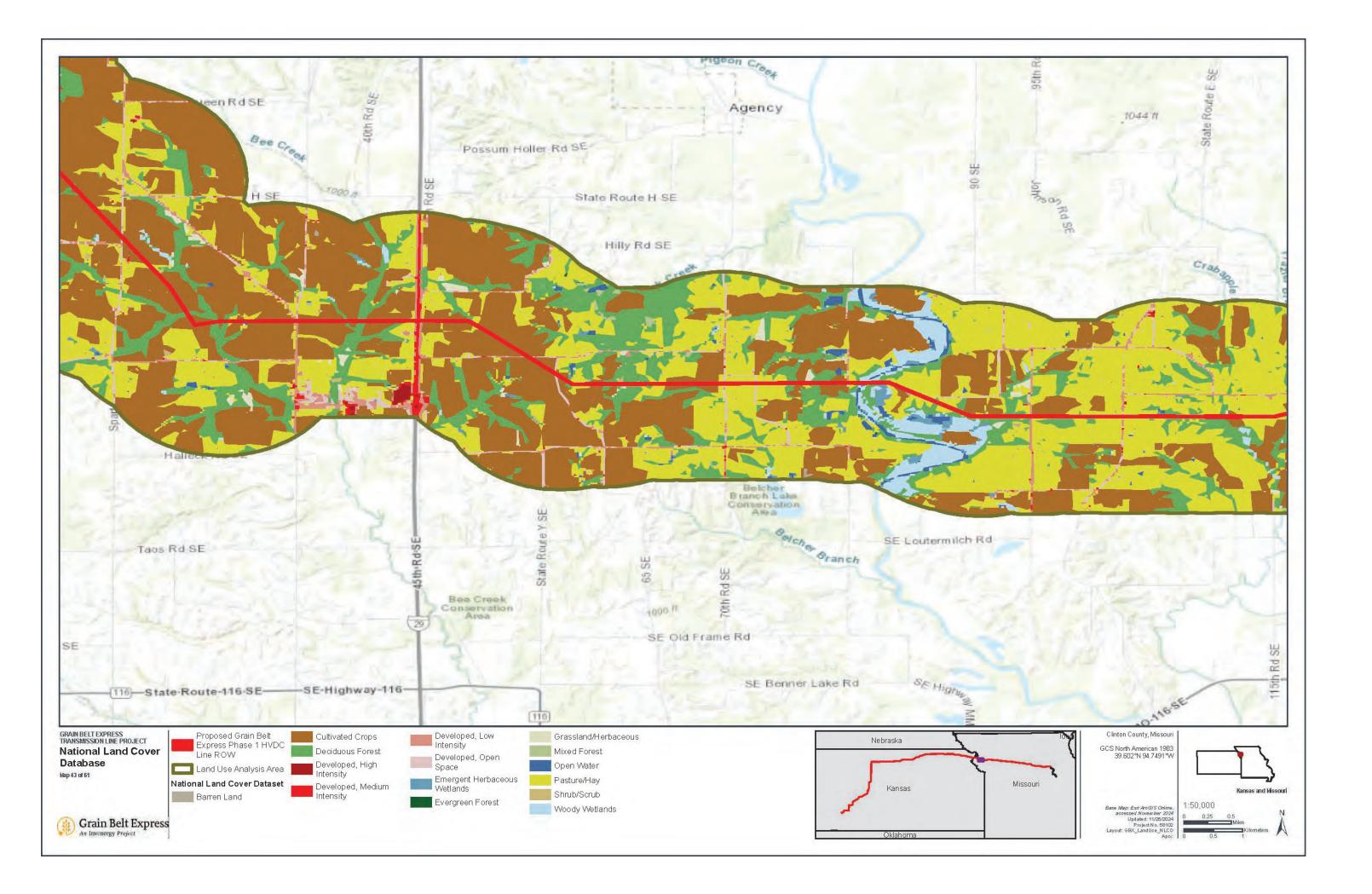


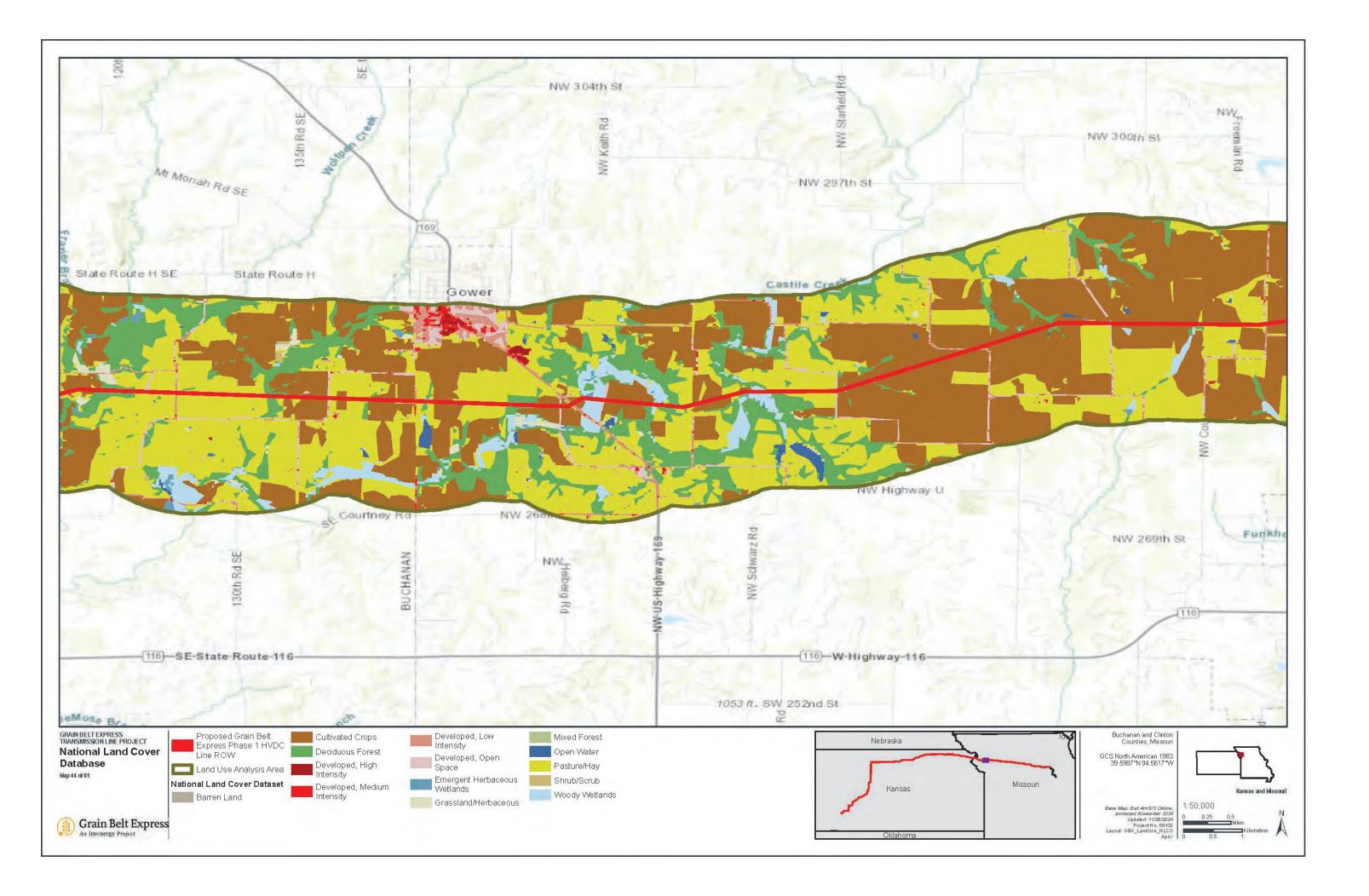


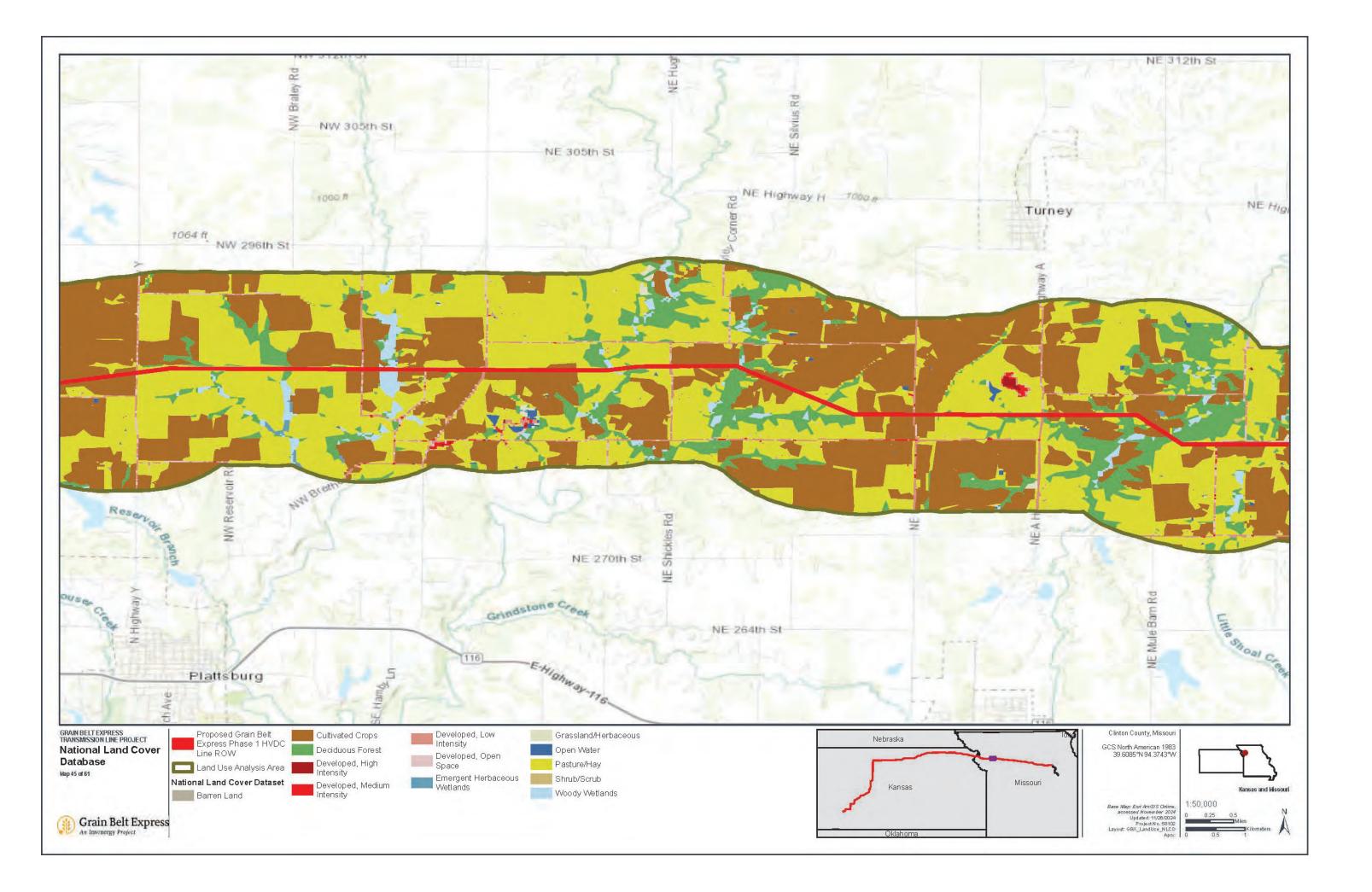


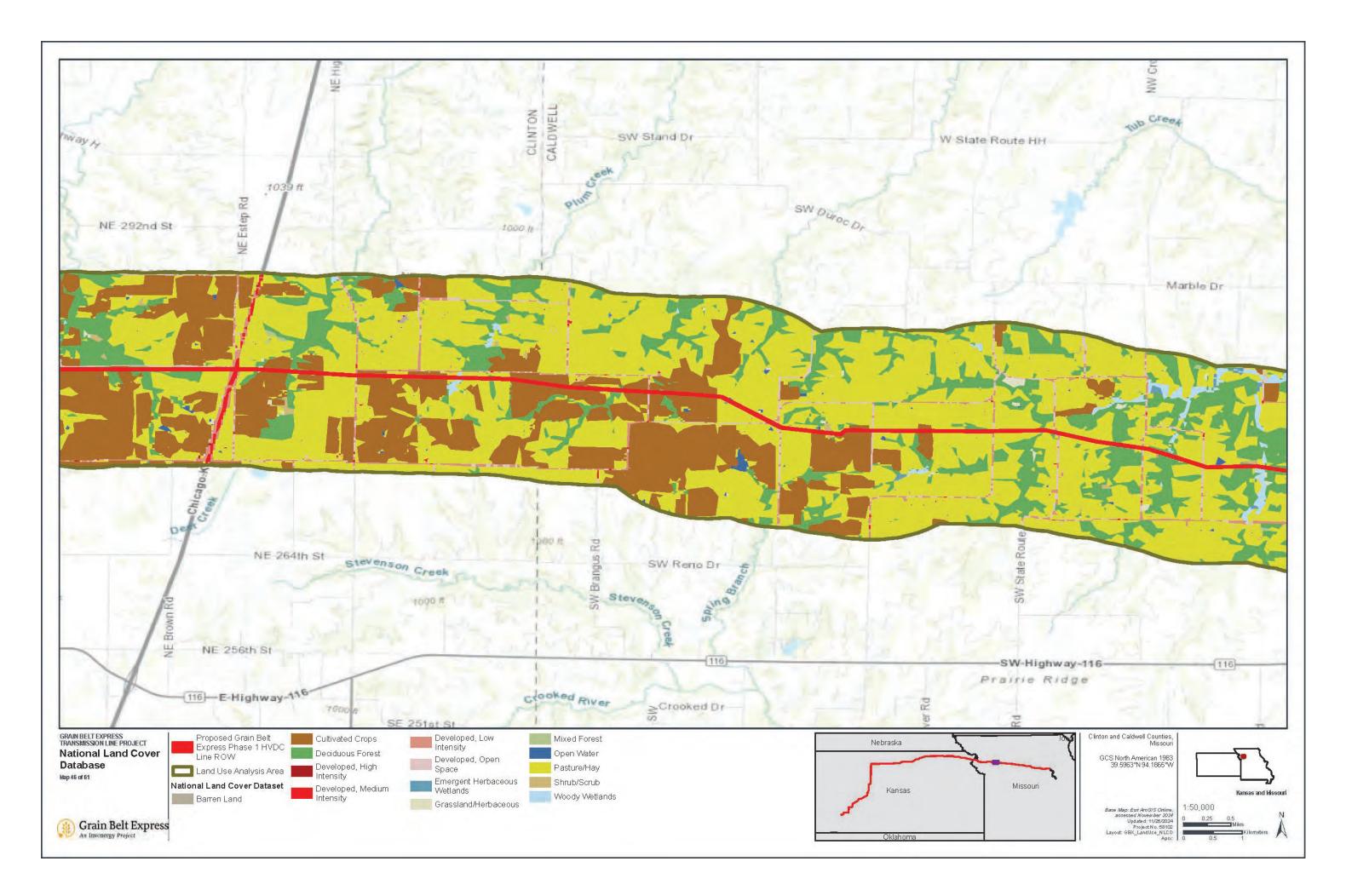


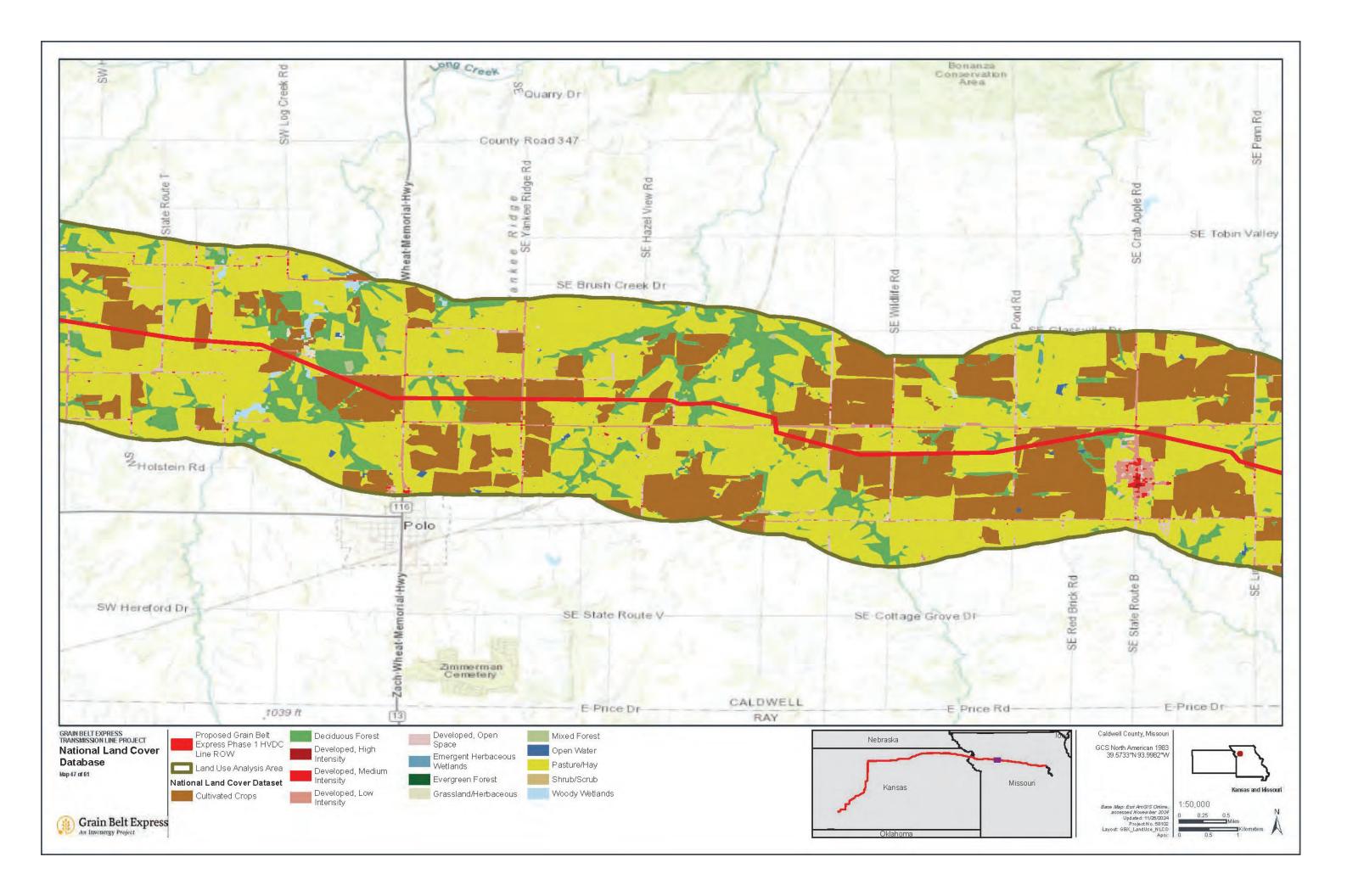


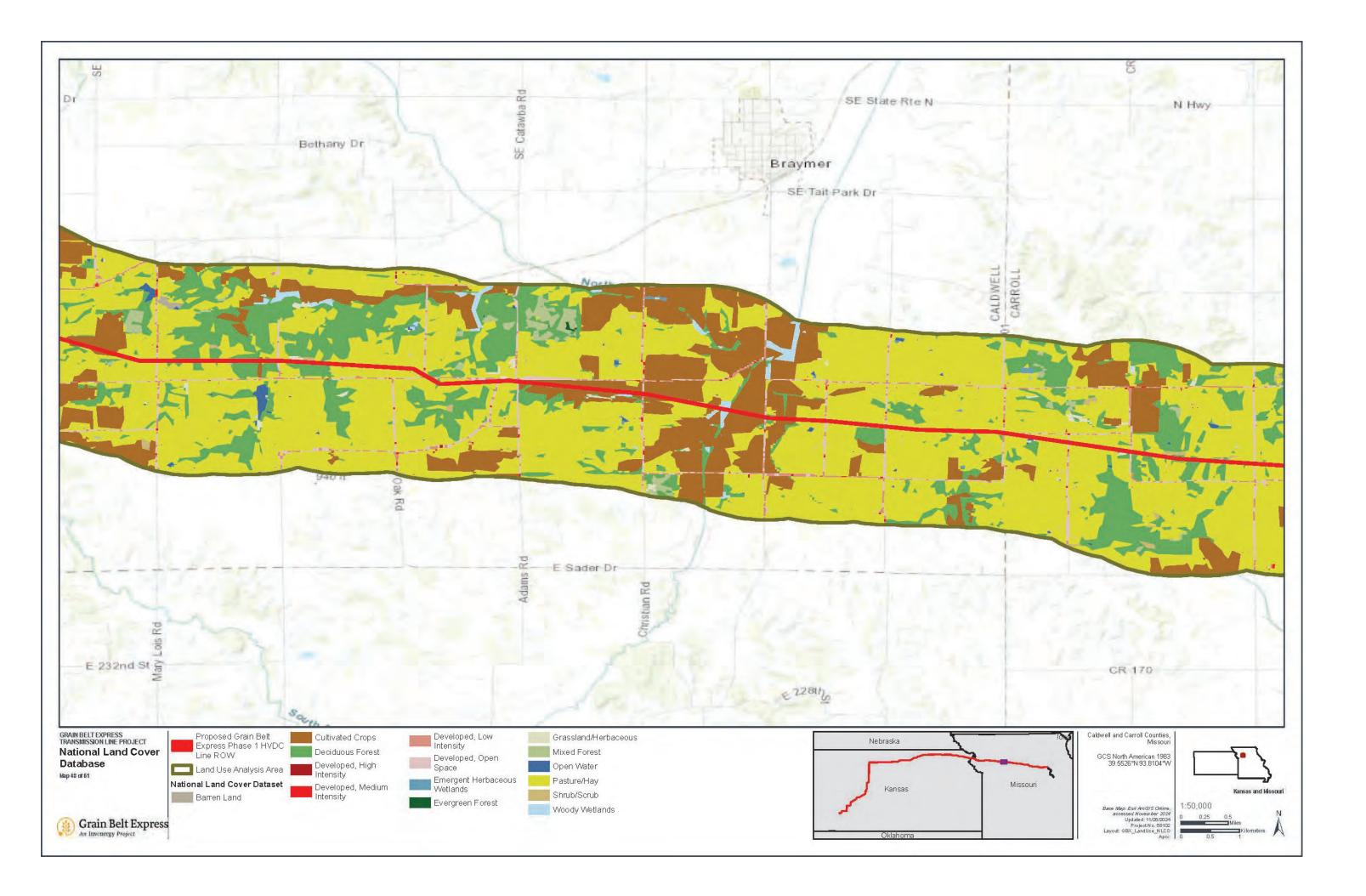


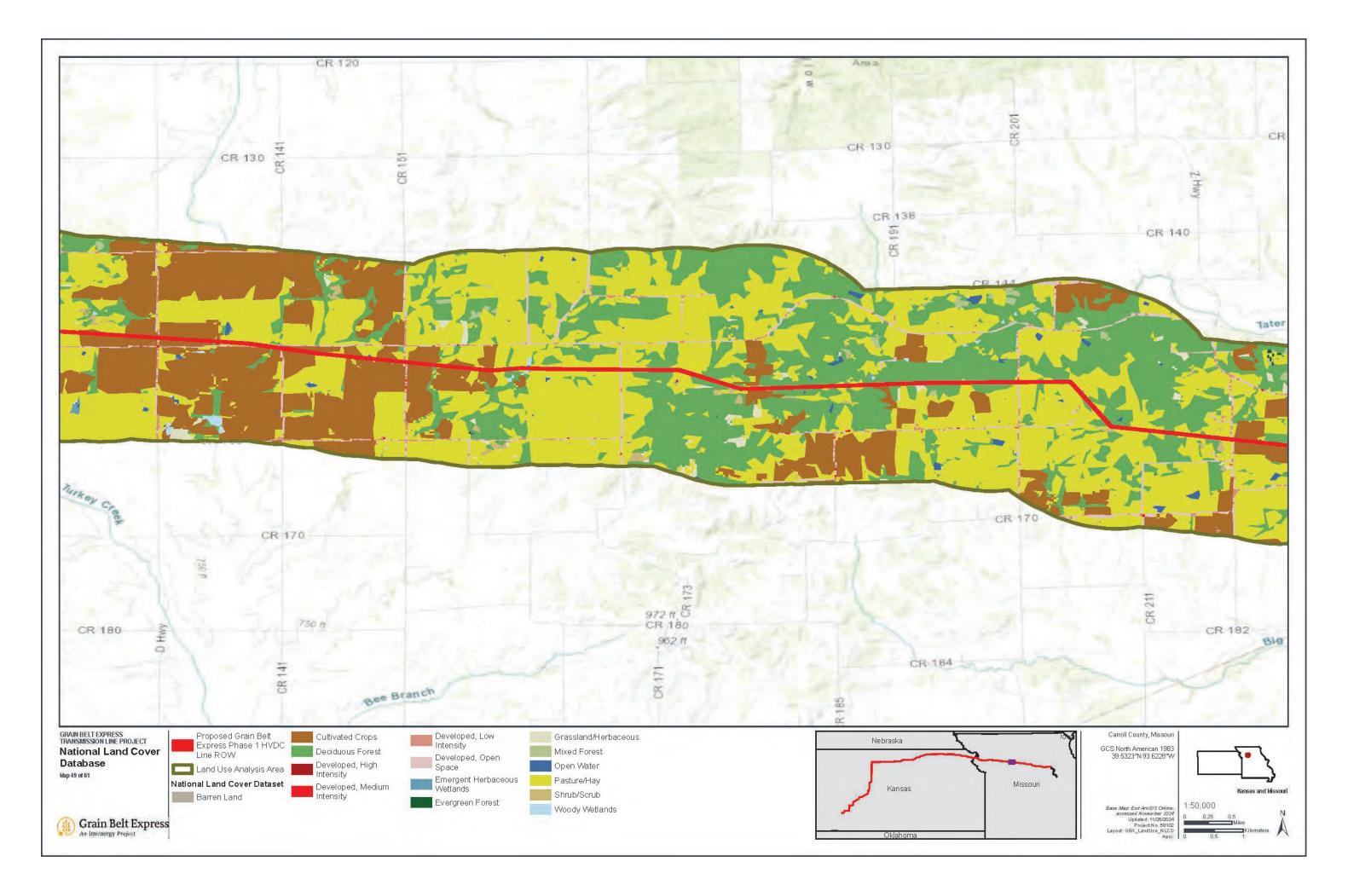


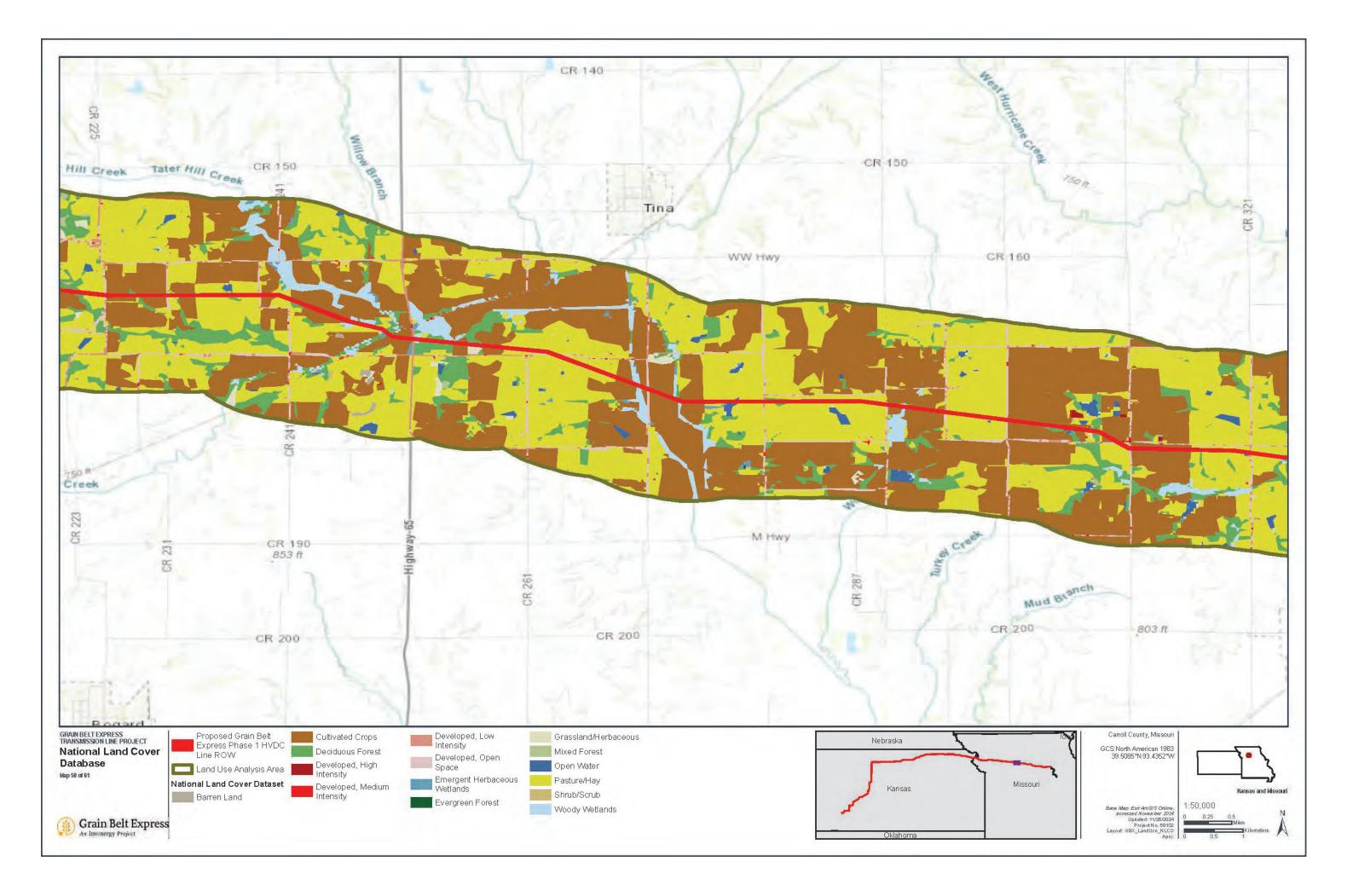


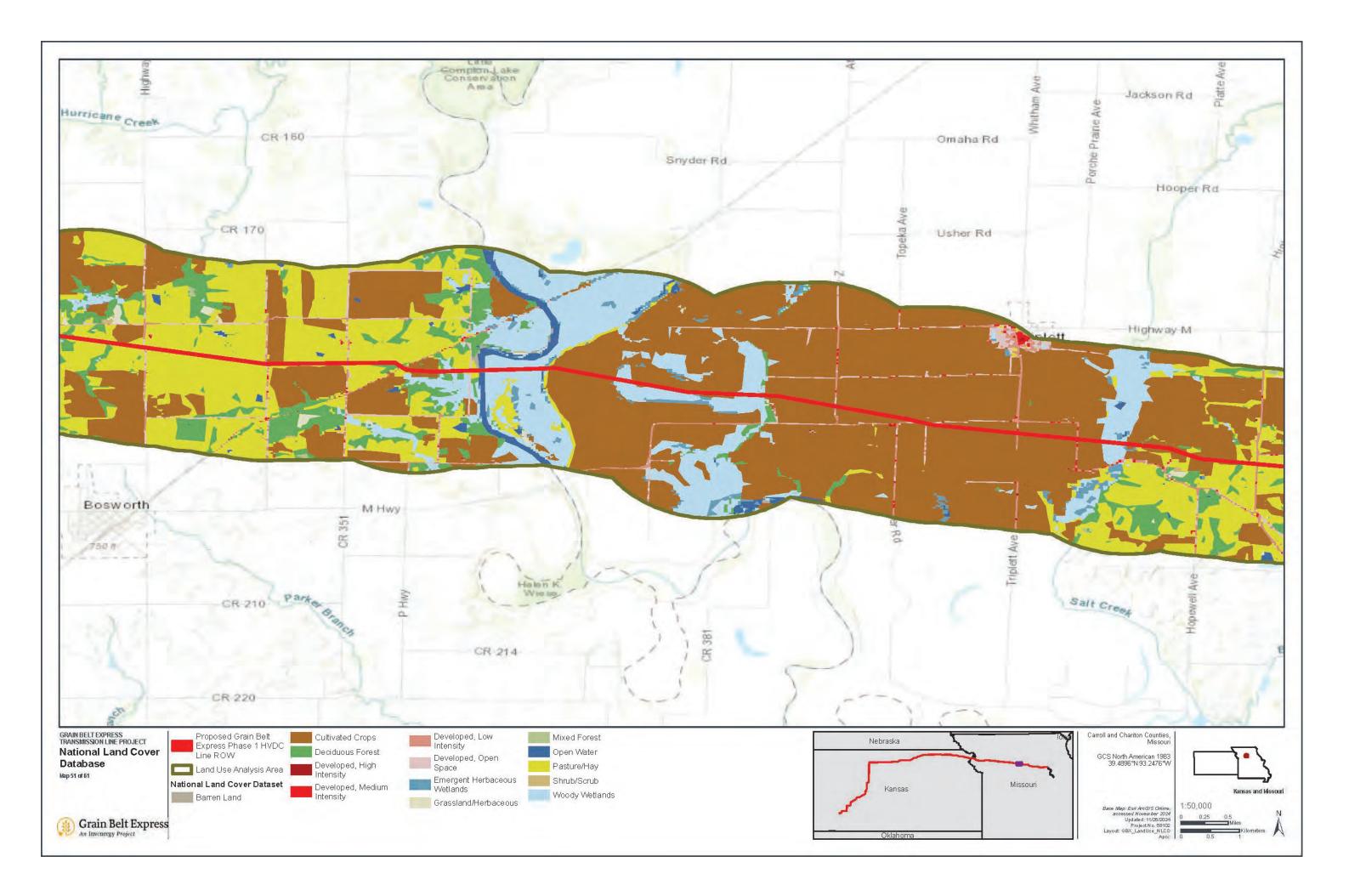


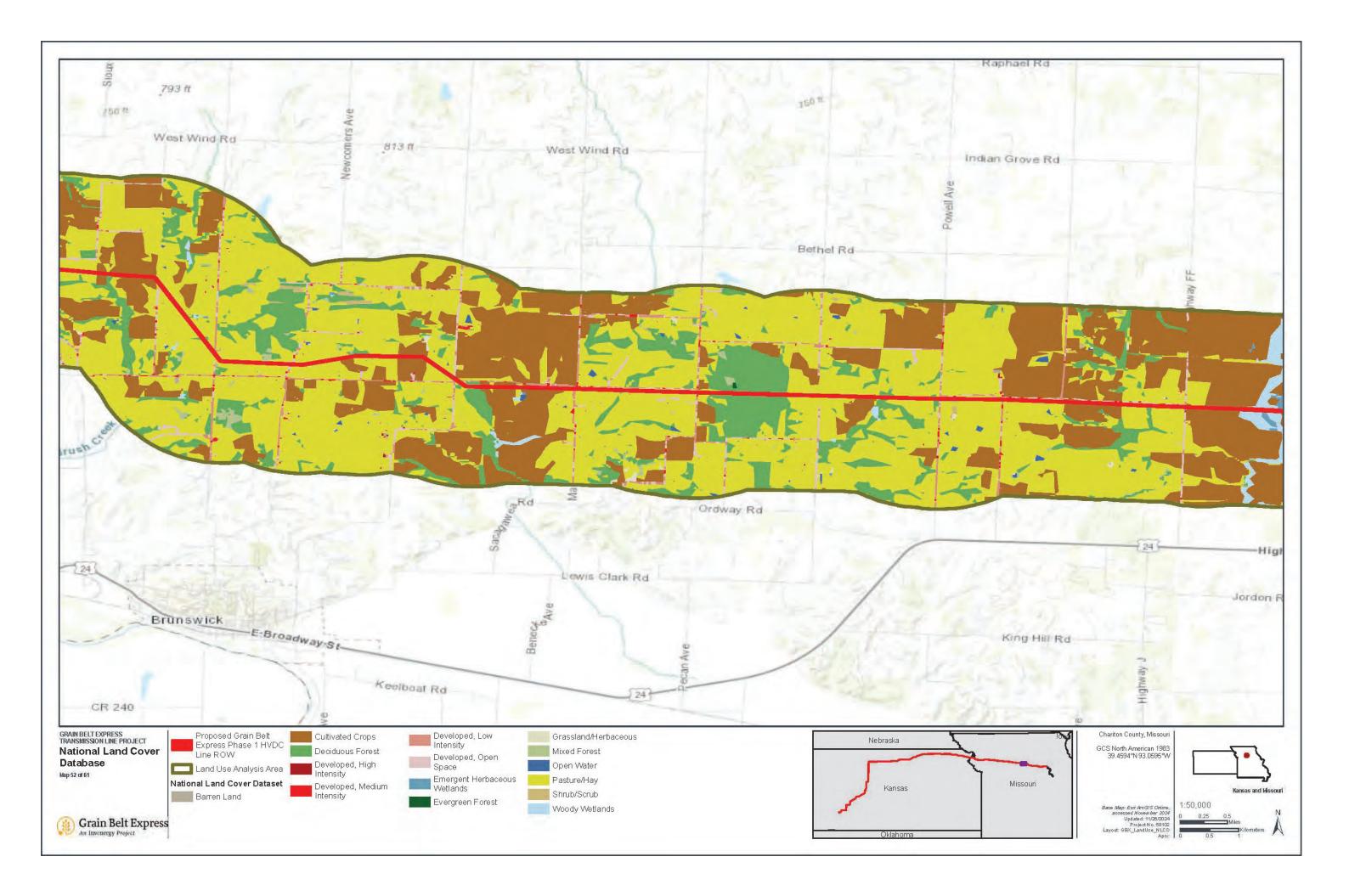


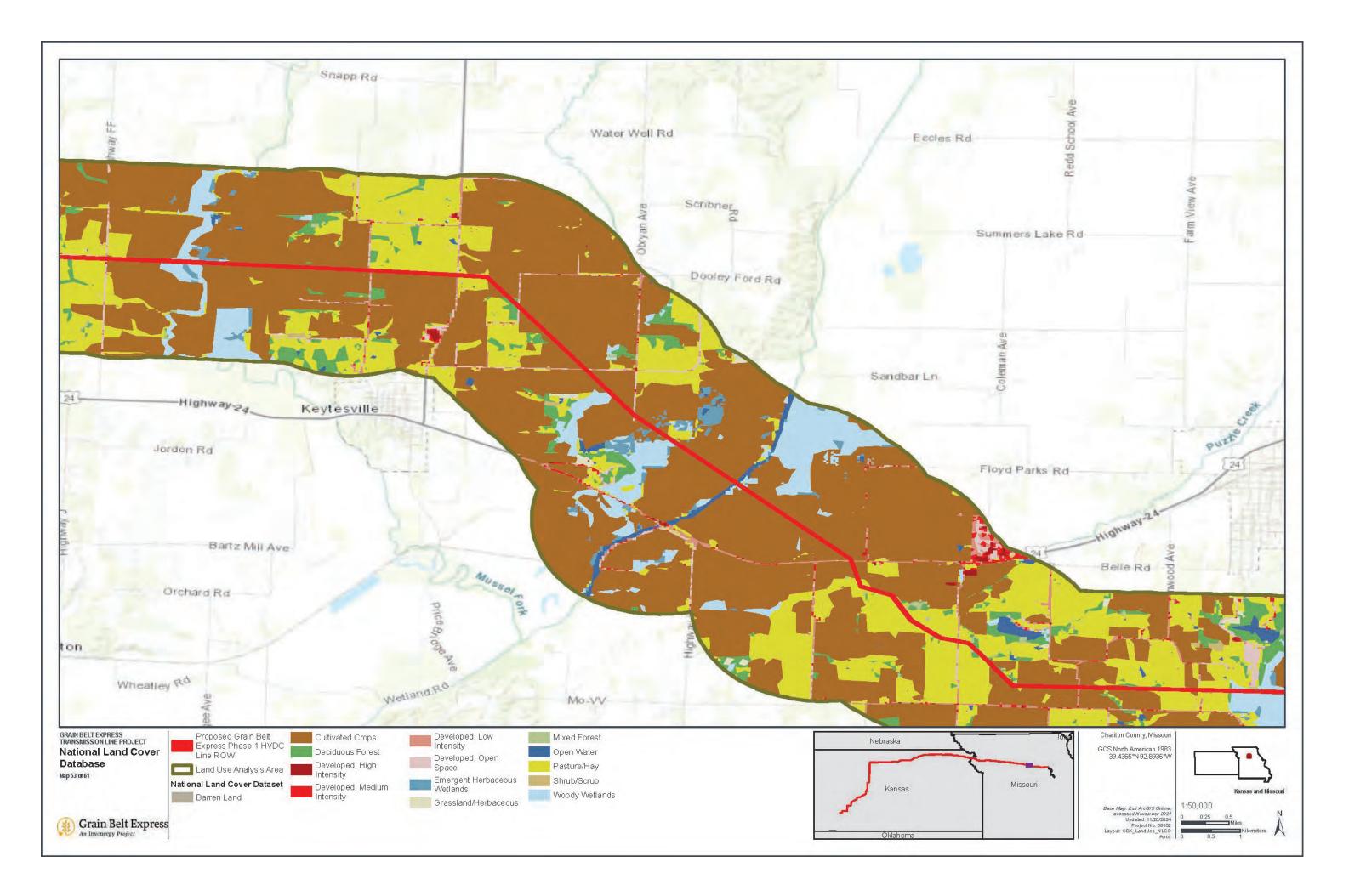


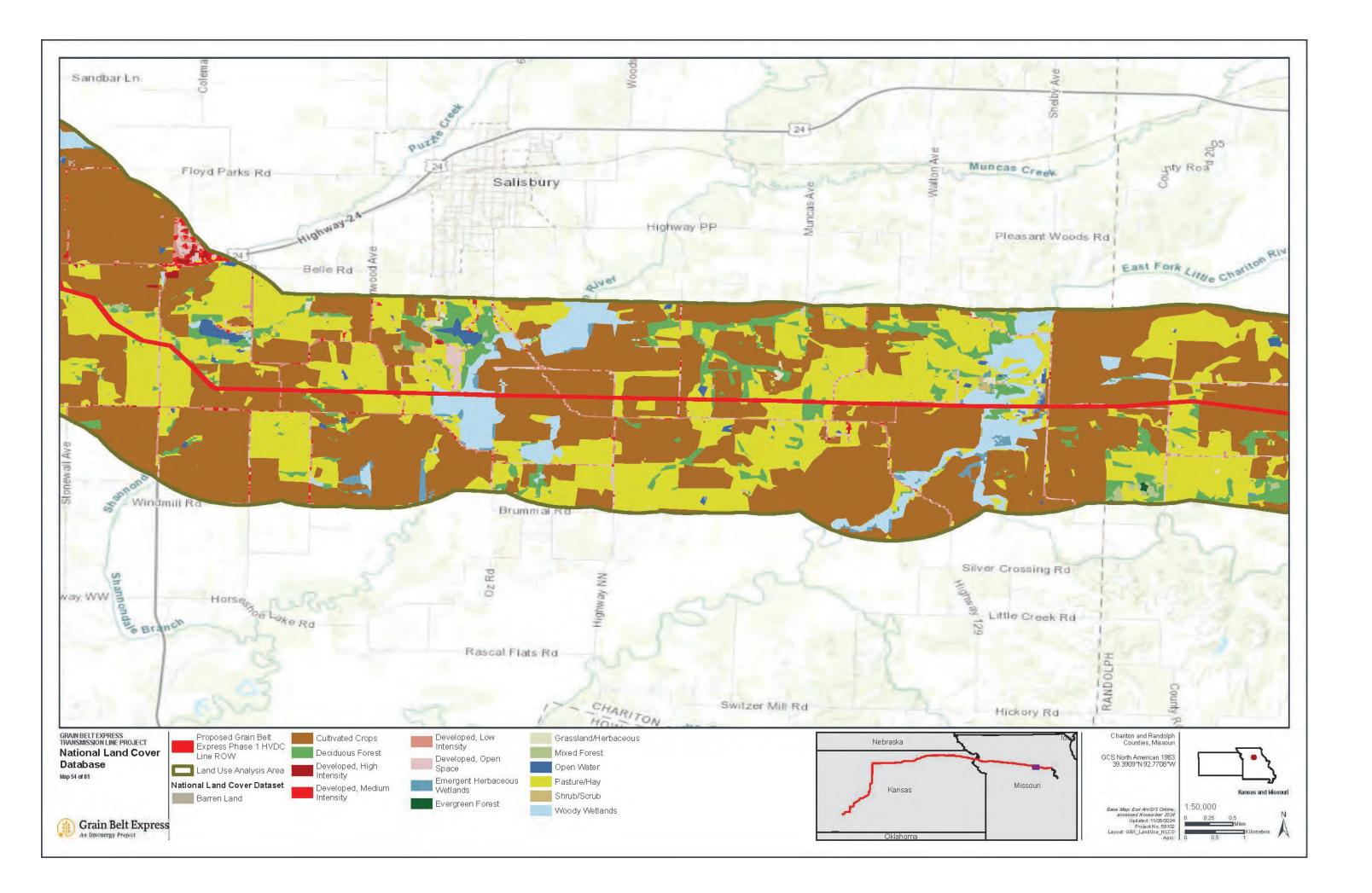


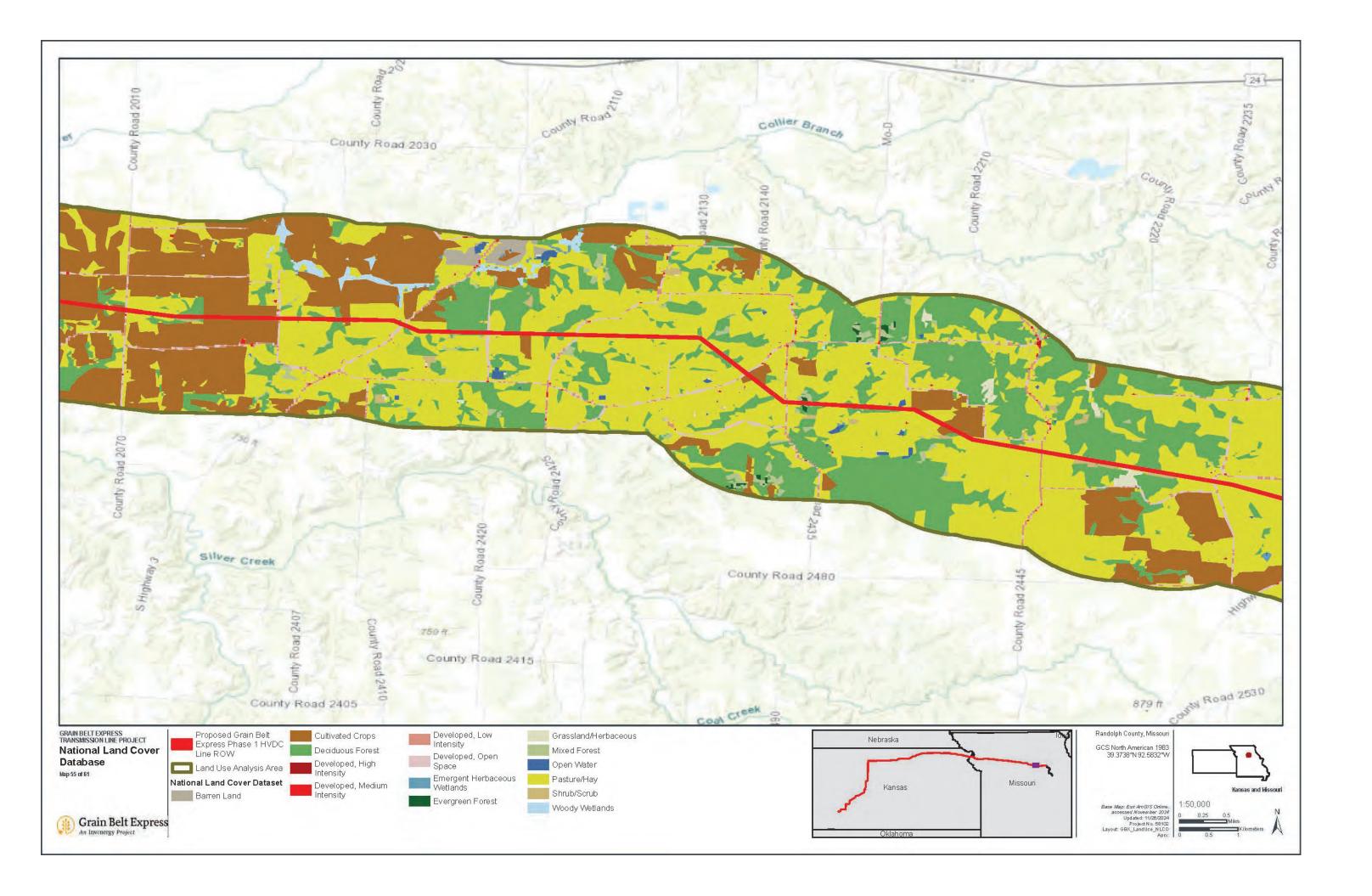


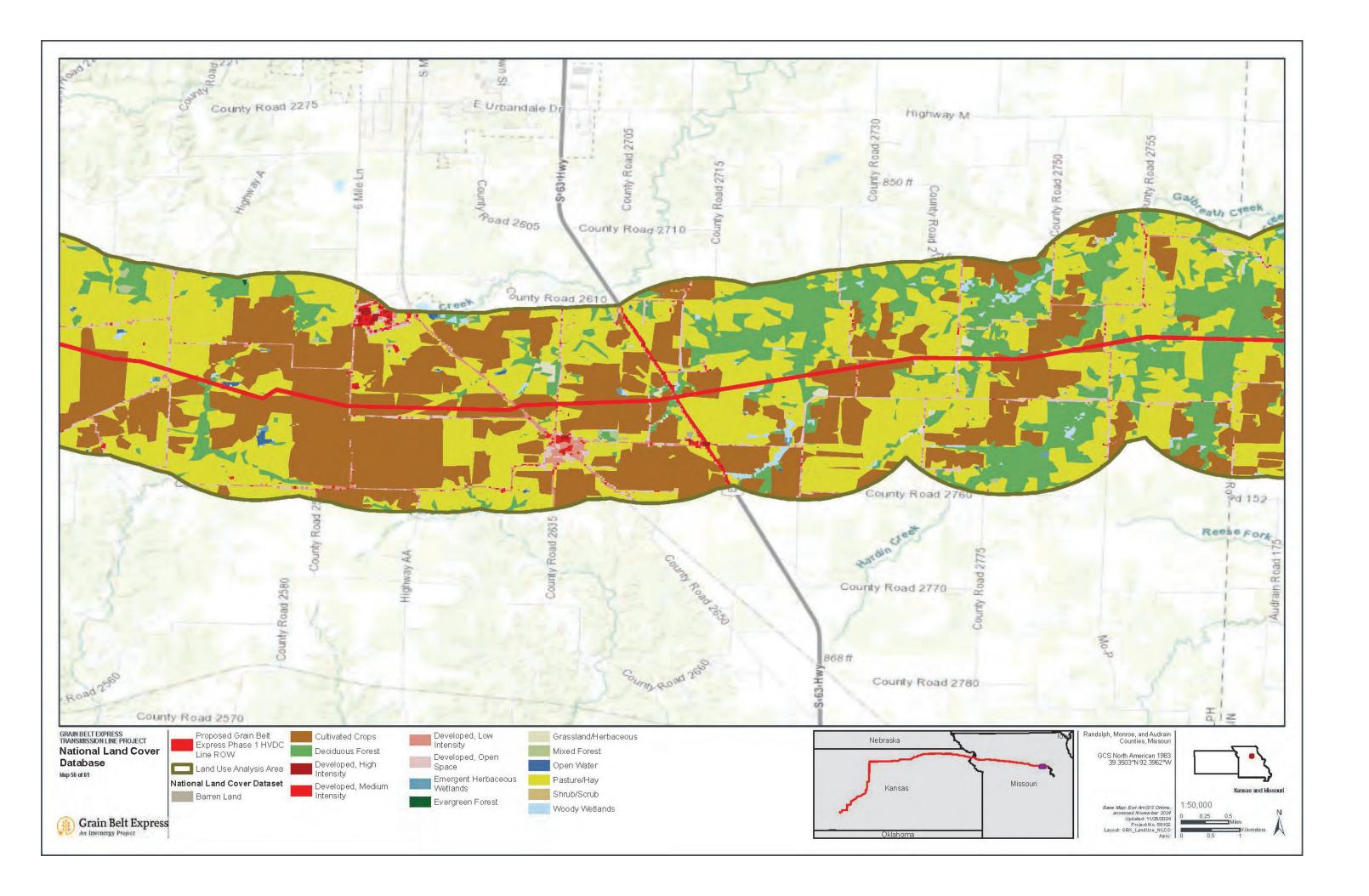


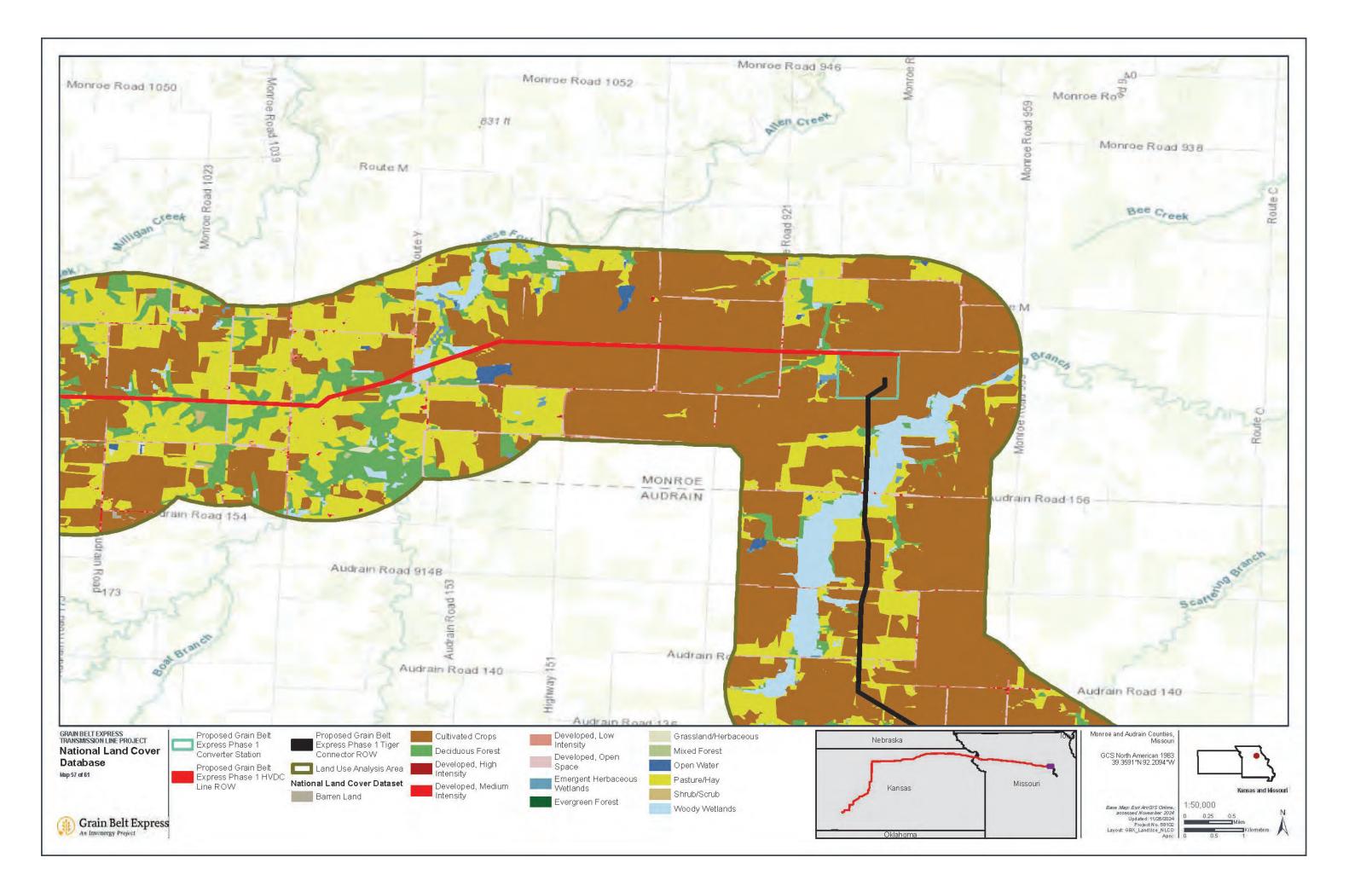


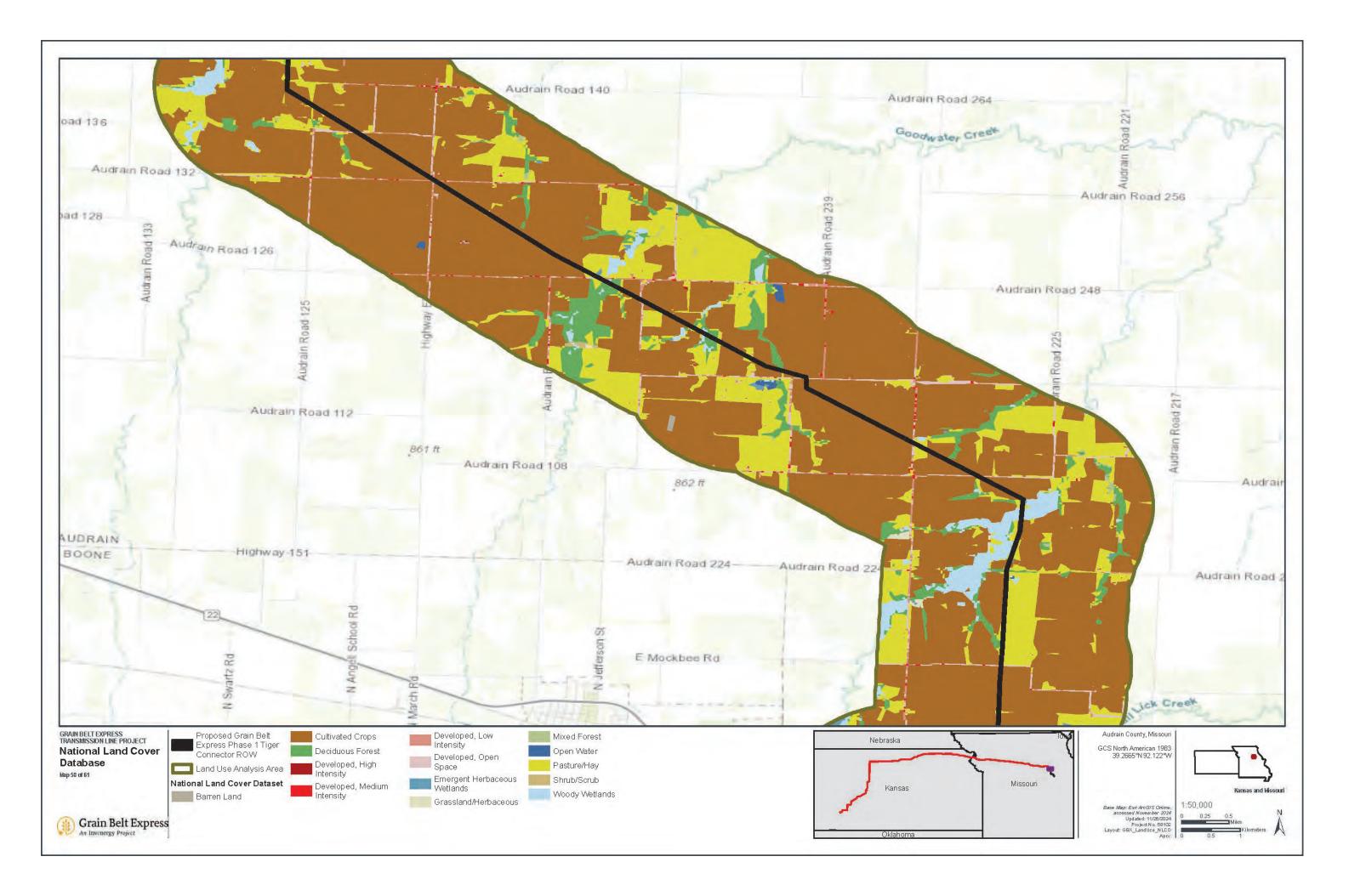


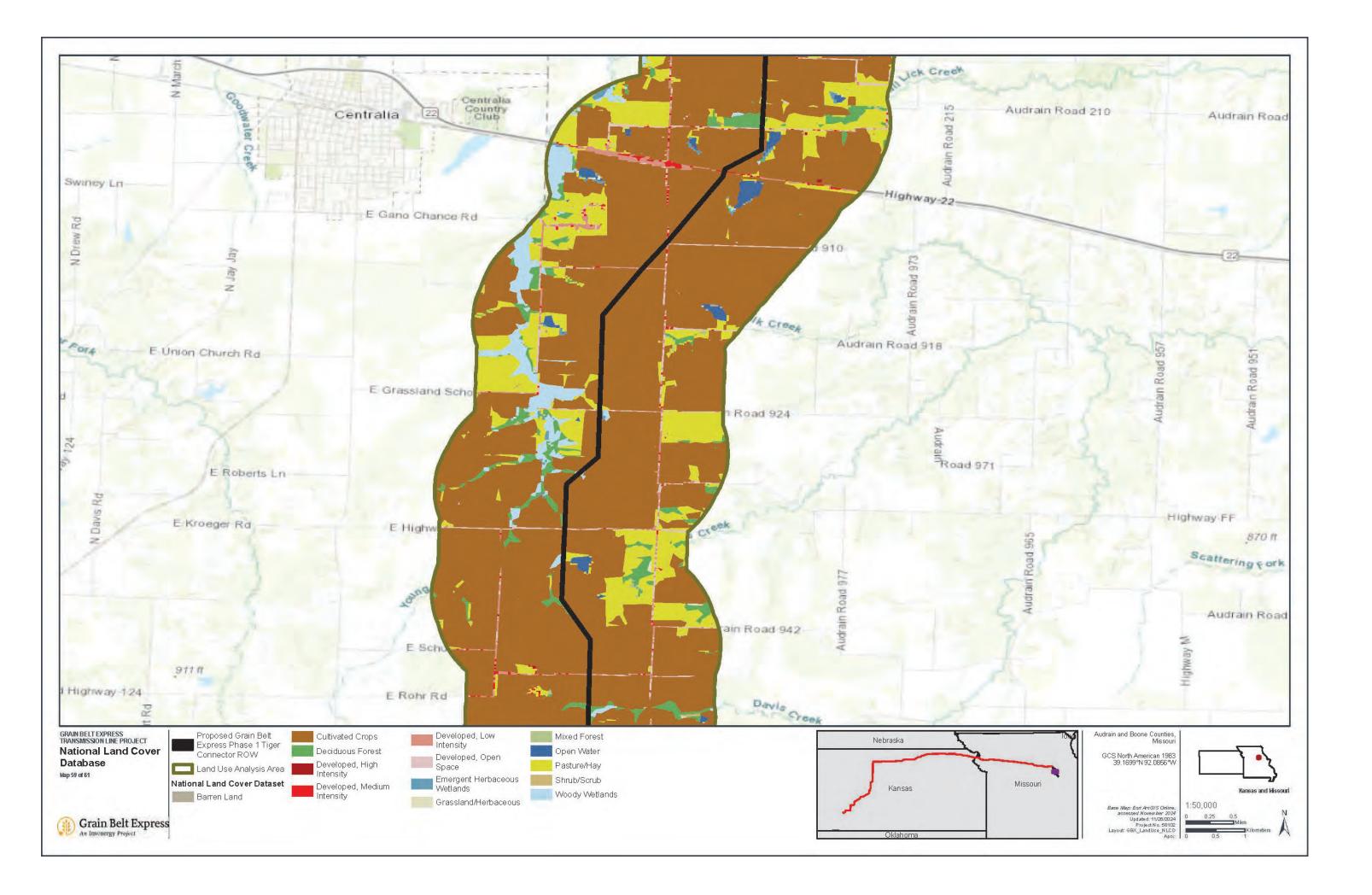


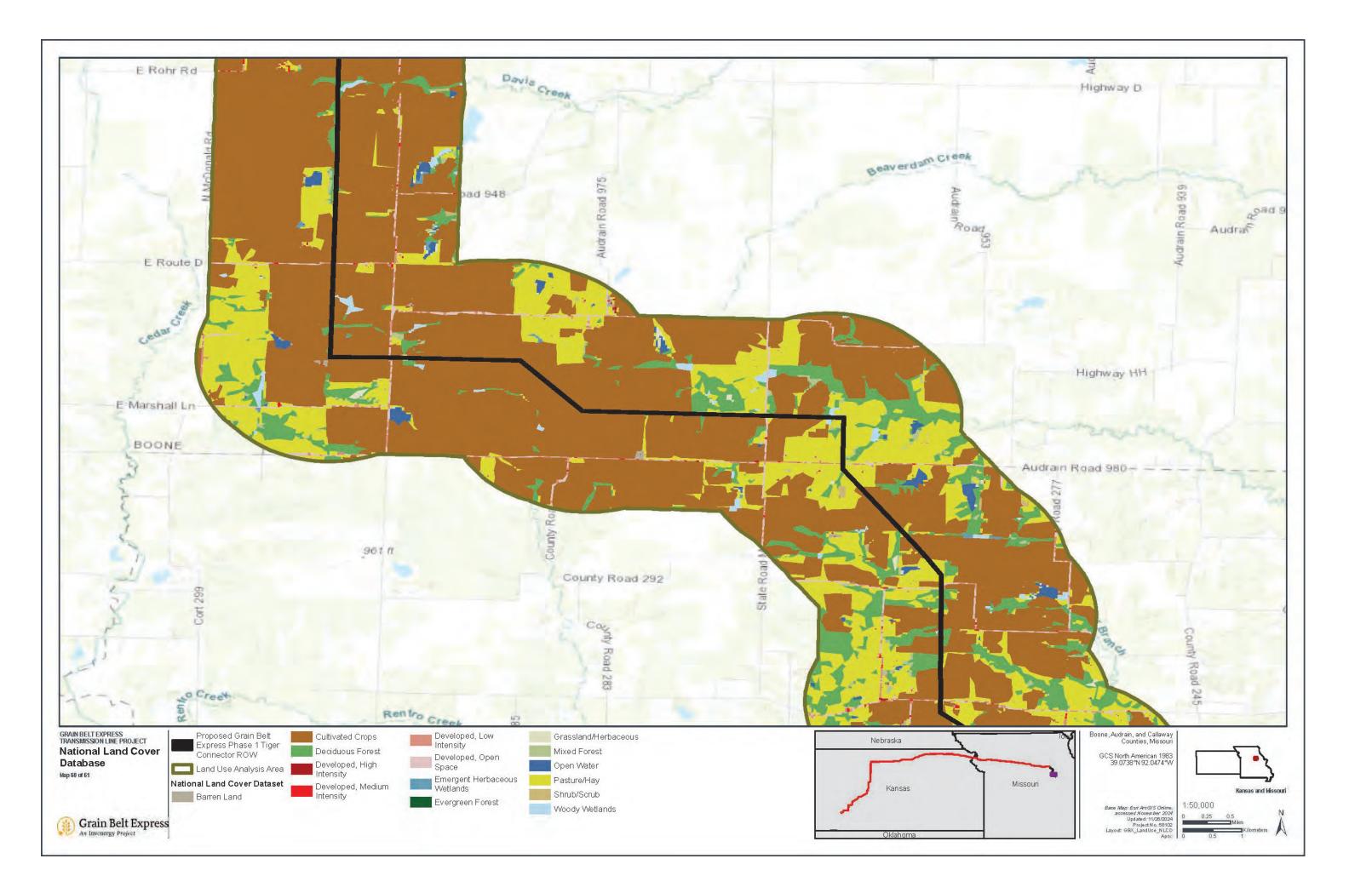


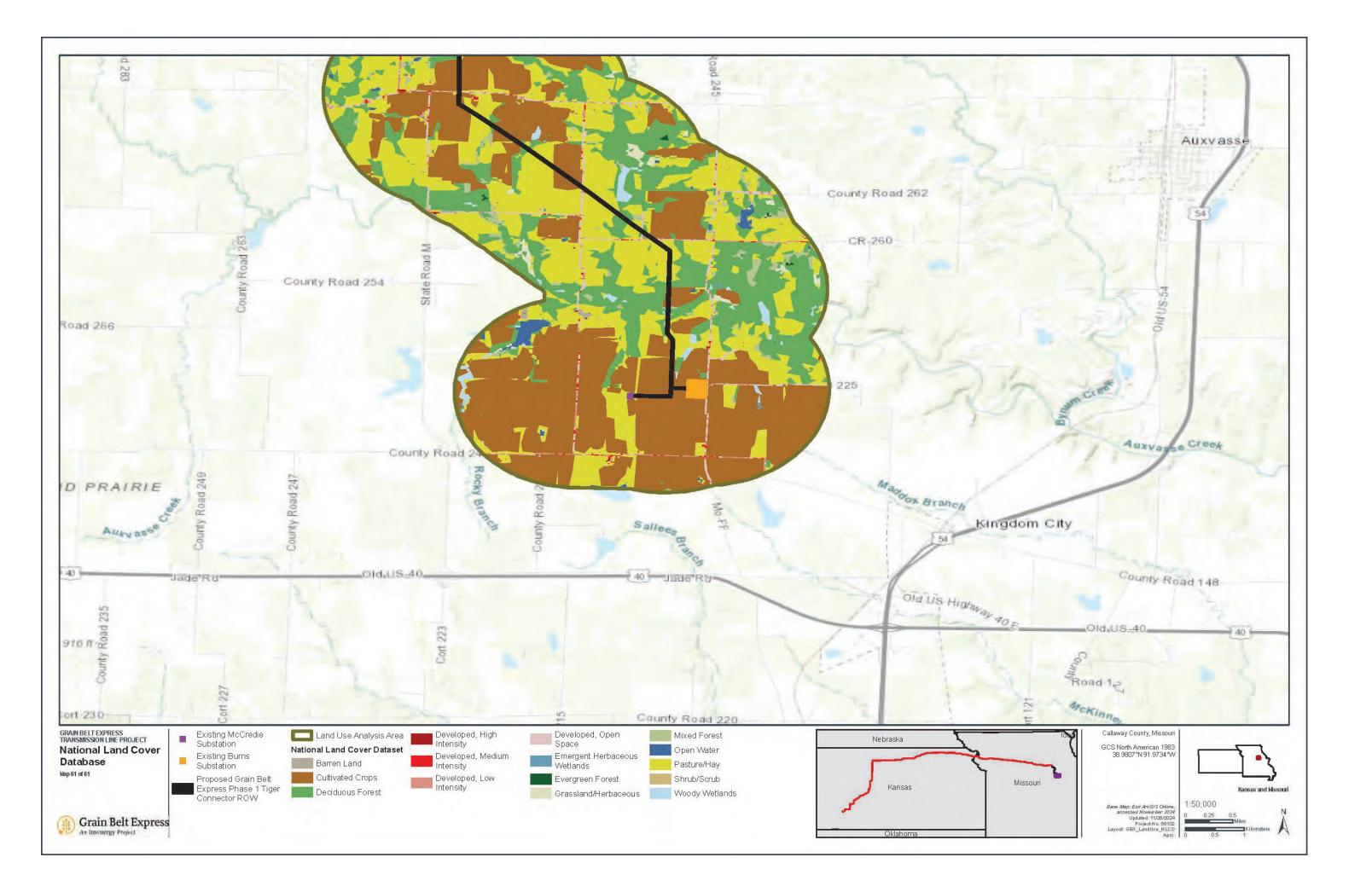




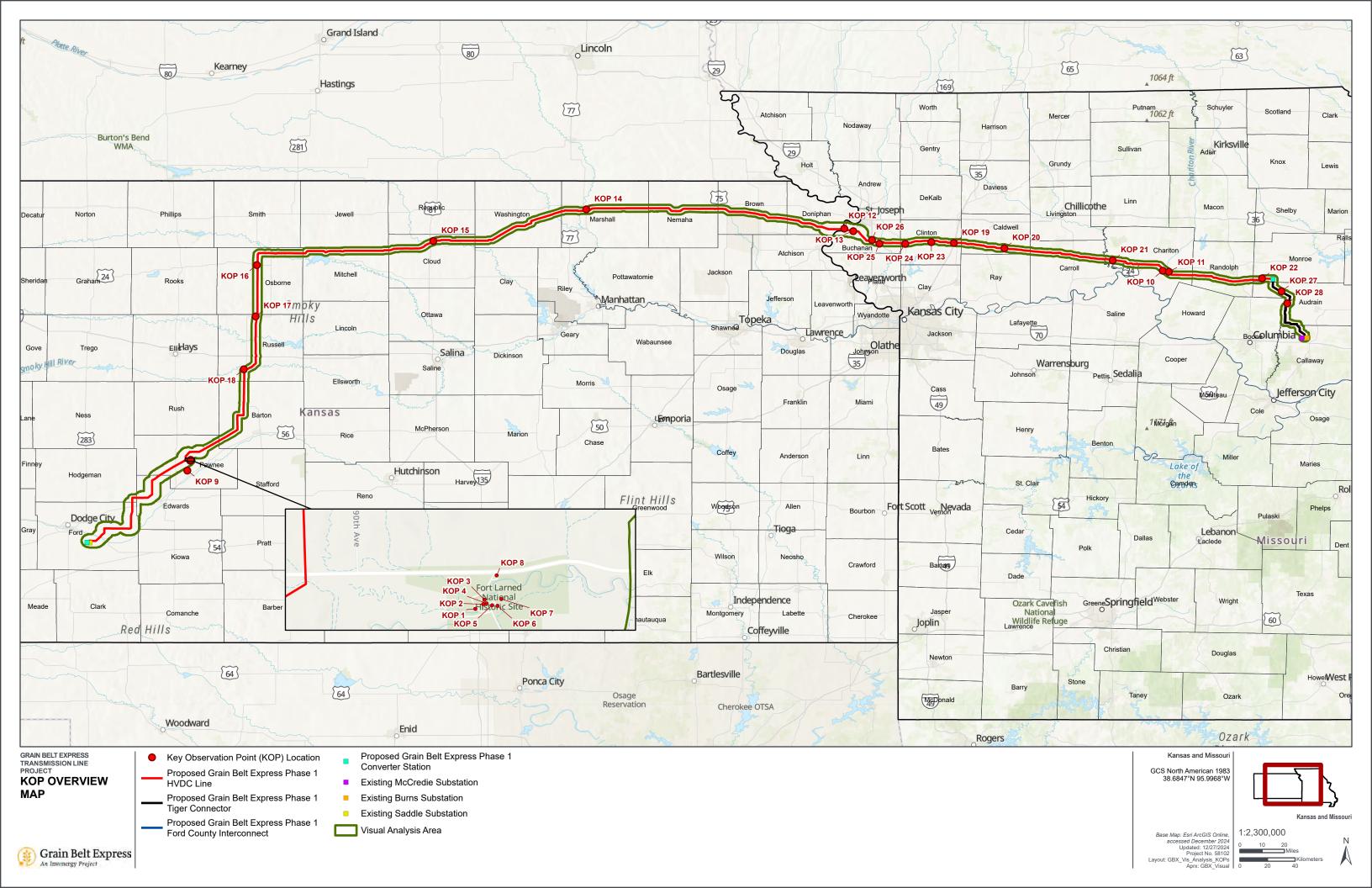


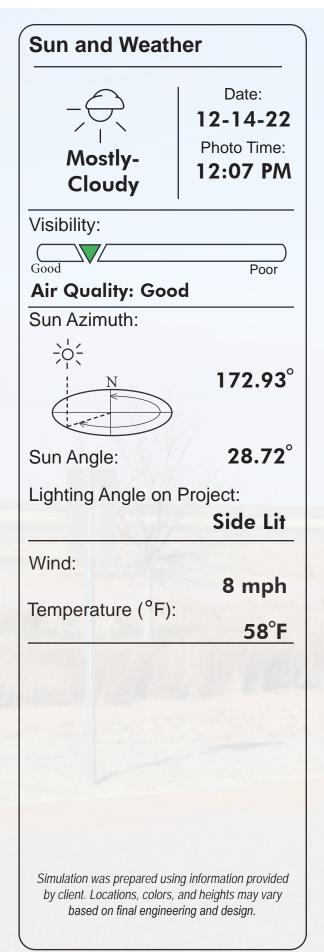




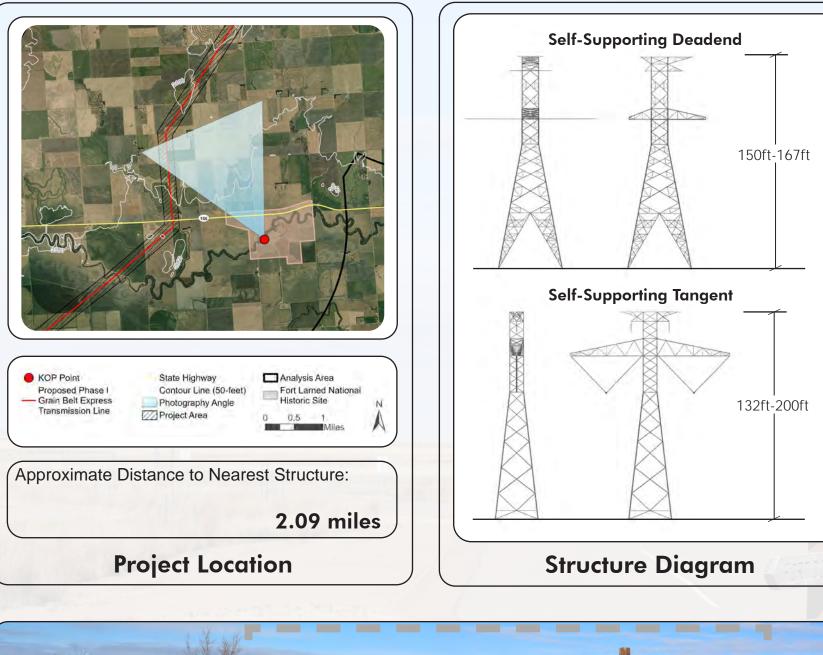


Grain Belt Express Transmission Line Environmental Impact Statement Appendix 3.12: Visual Simulations





GRAIN BELT EXPRESS TRANSMISSION LINE PROJECT





KOP 1 - Fort Larned NHS -Visitor Parking Lot

Base Photographic Documentation Pawnee, Kansas County: Latitude (o): 38.182 Longitude (•): -99.221 Viewpoint Elevation (feet): 2041 Camera Height (meters): 1.5 Camera Heading (degrees): 330 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels): 6720 x 4480

Single frame simulation approximates 50mm full frame equivalent.

Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

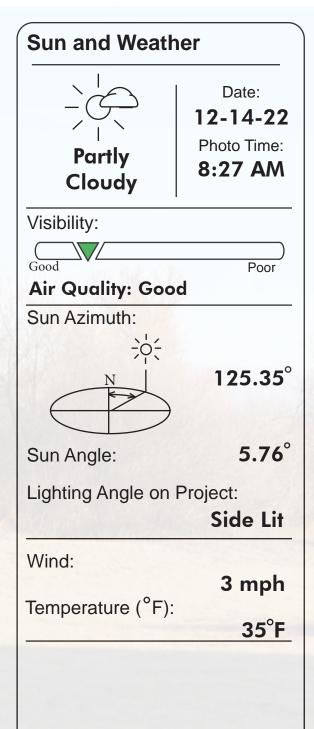


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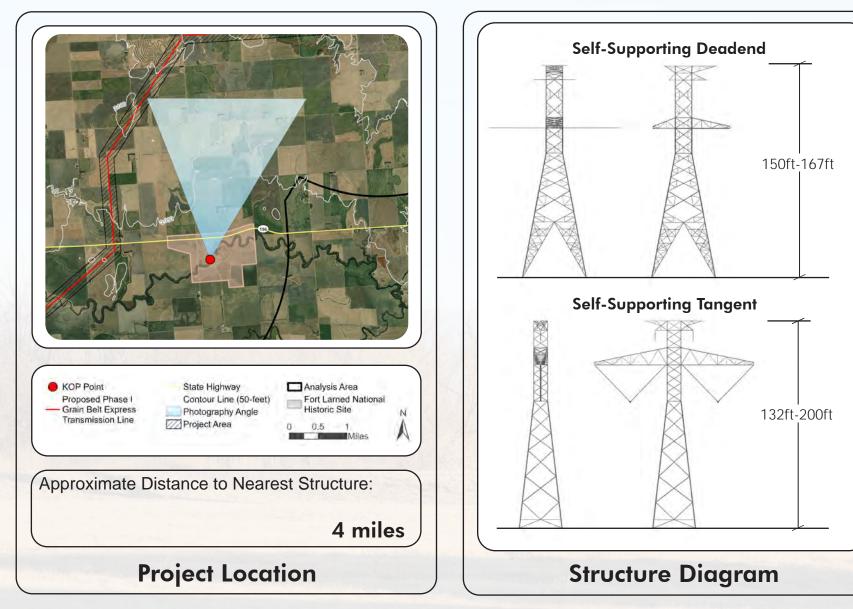






Simulation was prepared using information provided by client. Locations, colors, and heights may vary based on final engineering and design.

GRAIN BELT EXPRESS TRANSMISSION LINE PROJECT





KOP 2 - Fort Larned NHS -Officers Row North End

Base Photographic Documentation Pawnee, Kansas County: Latitude (o): 38.183 Longitude (o): -99.219Viewpoint Elevation (feet): 2041 Camera Height (meters): 1.5 Camera Heading (degrees): 10 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor

Lens Focal Length (mm):

Image Size (pixels):

6720 x 4480

50

Single frame simulation approximates 50mm full frame equivalent.

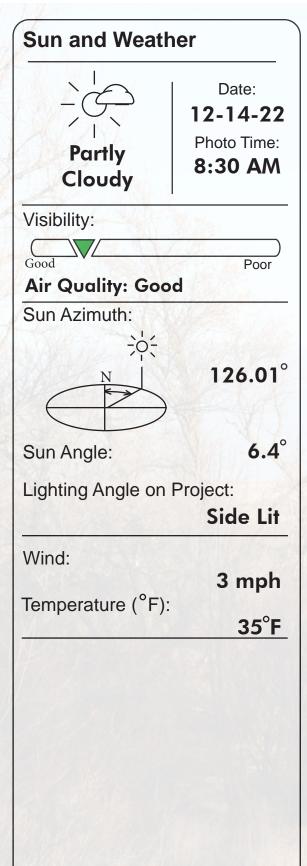
Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

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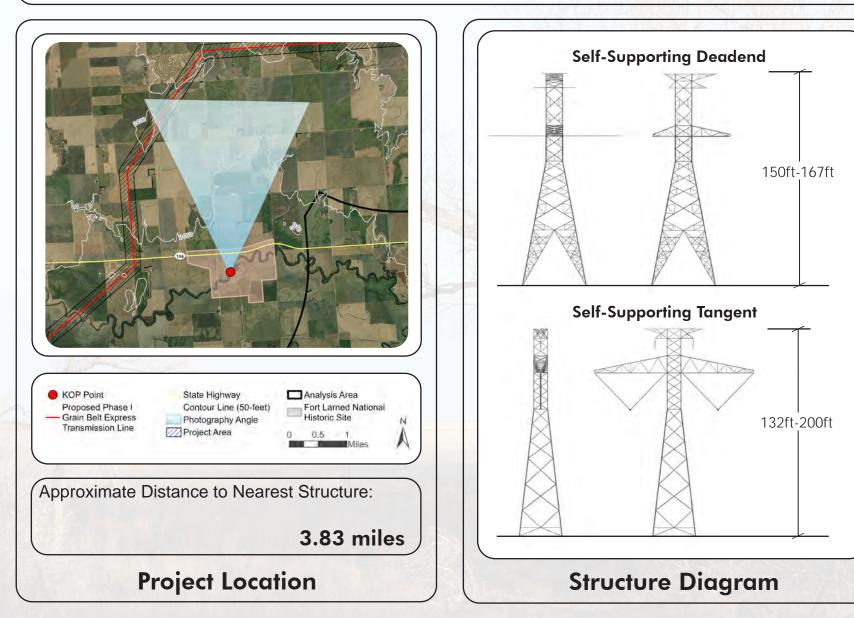






Simulation was prepared using information provided by client. Locations, colors, and heights may vary based on final engineering and design.

GRAIN BELT EXPRESS TRANSMISSION LINE PROJECT





KOP 3 - Fort Larned NHS -Recreational Nature Trail

Base Photographic Documentation County: **Pawnee, Kansas** Latitude (o): **38.184** Longitude (o): **-99.219** Viewpoint Elevation (feet): **2040** Camera Height (meters): **1.5** Camera Heading (degrees):

0 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor:

Lens Make & Model:

AF-P Nikkor Lens Focal Length (mm): 50

Image Size (pixels):

6720 x 4480

Single frame simulation approximates 50mm full frame equivalent.

Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.



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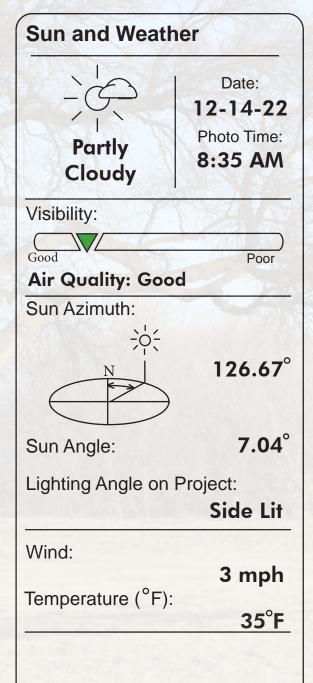




This image does not represent a simulated condition. The purpose of this image is to highlight the modeled location of the structures which may otherwise be difficult for viewers to discern in the simulated condition.

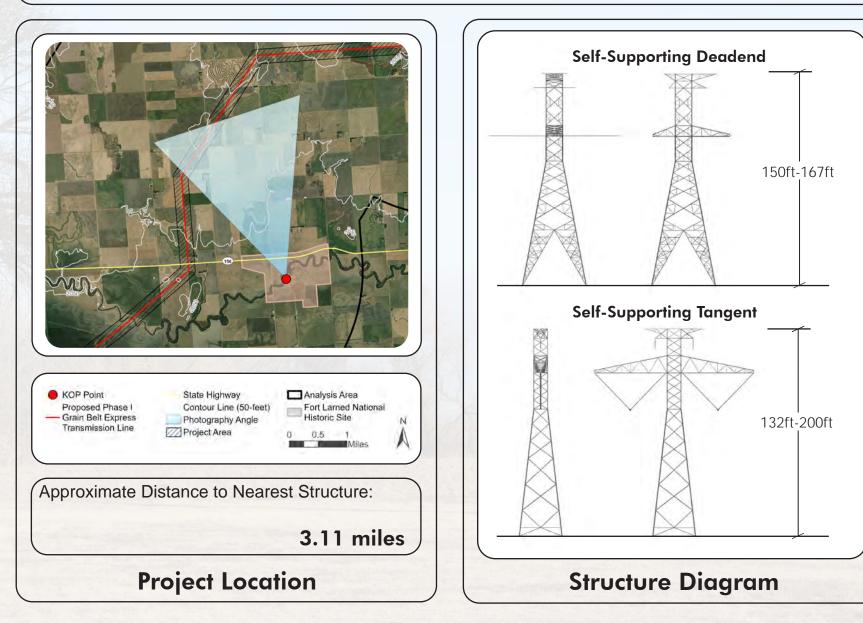
KOP 3: View from Fort Larned NHS - Recreational Nature Trail looking north - Color Overlay





Simulation was prepared using information provided by client. Locations, colors, and heights may vary based on final engineering and design.

GRAIN BELT EXPRESS TRANSMISSION LINE PROJECT





KOP 4 - Fort Larned NHS -Interior Walkway

Base Photographic Documentation Pawnee, Kansas County: Latitude (o): 38.183 Longitude (•): -99.218 Viewpoint Elevation (feet): 2039 Camera Height (meters): 1.5 Camera Heading (degrees): 345 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels): 6720 x 4480

Single frame simulation approximates 50mm full frame equivalent.

Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

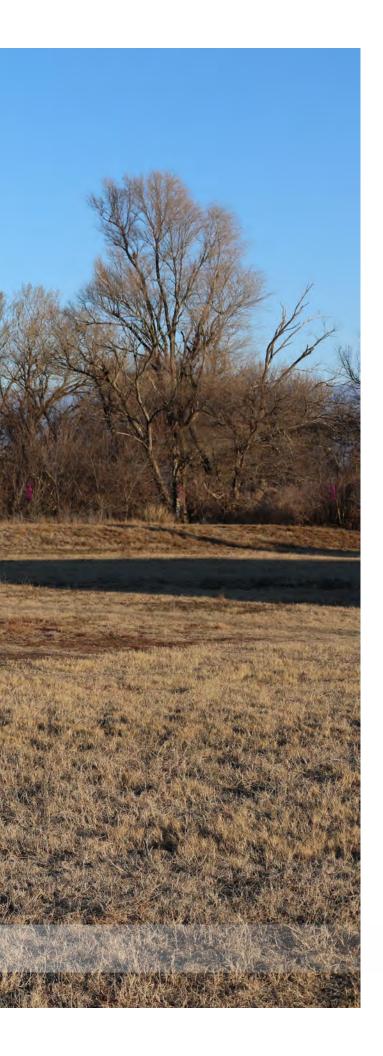
> Grain Belt Express An INVENERGY TRANSMISSION Project

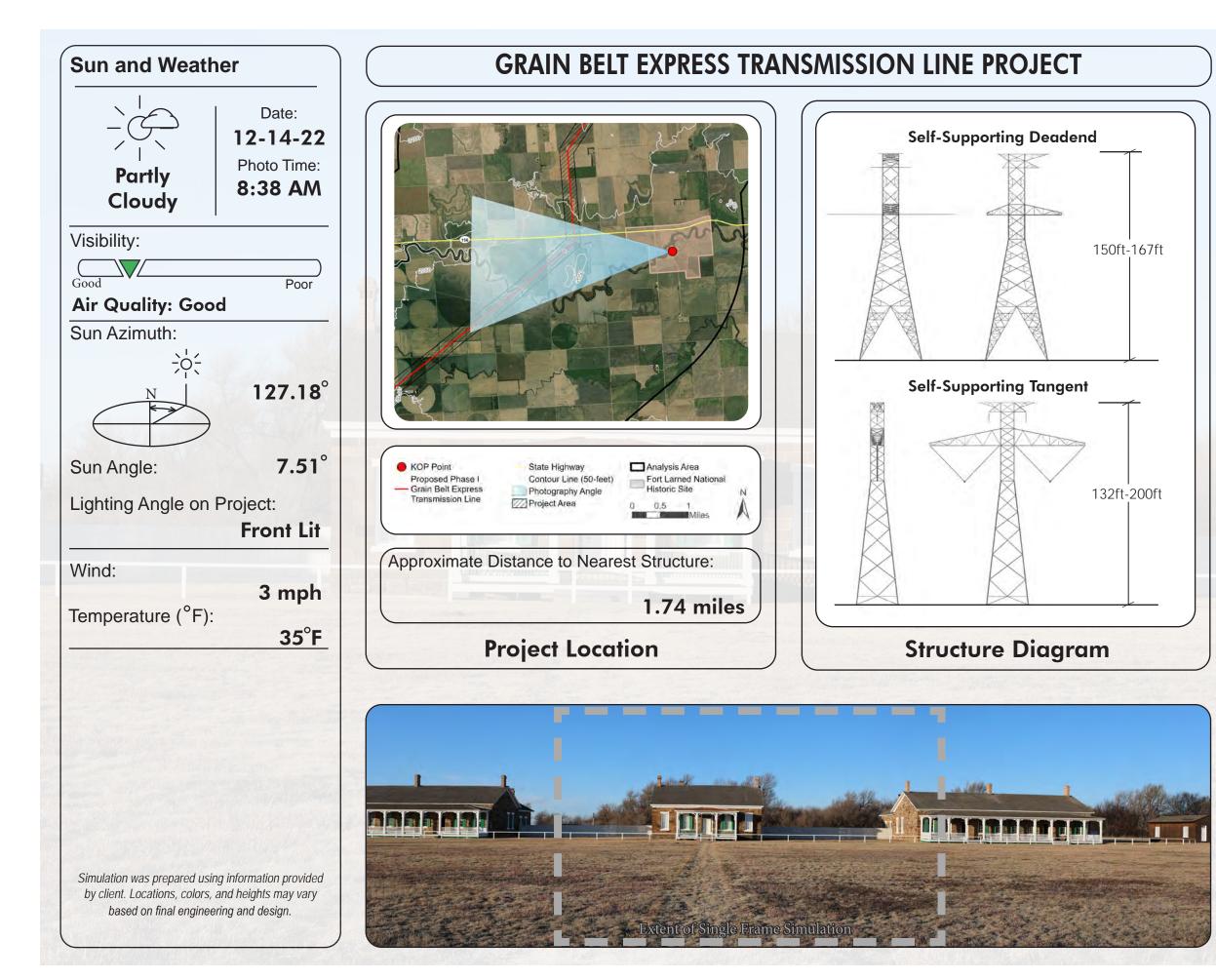




This image does not represent a simulated condition. The purpose of this image is to highlight the modeled location of the structures which may otherwise be difficult for viewers to discern in the simulated condition.

KOP 4: View from Fort Larned NHS - Interior Walkway looking north - Color Overlay





KOP 5 - Fort Larned NHS -Central Parade Ground

Base Photographic Documentation Pawnee, Kansas County: Latitude (o): 38.183 Longitude (•): -99.218Viewpoint Elevation (feet): 2037 Camera Height (meters): 1.5 Camera Heading (degrees): 280 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels): 6720 x 4480

Single frame simulation approximates 50mm full frame equivalent.

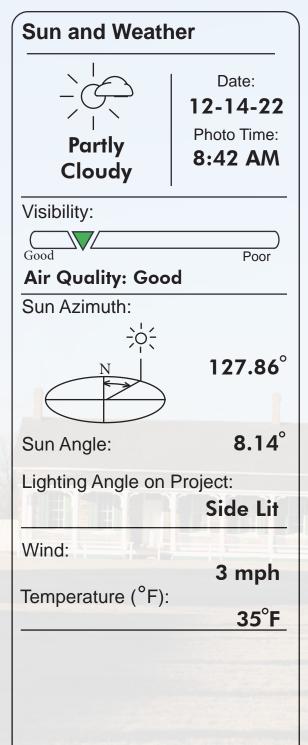
Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

> Grain Belt Express An INVENERGY TRANSMISSION Project



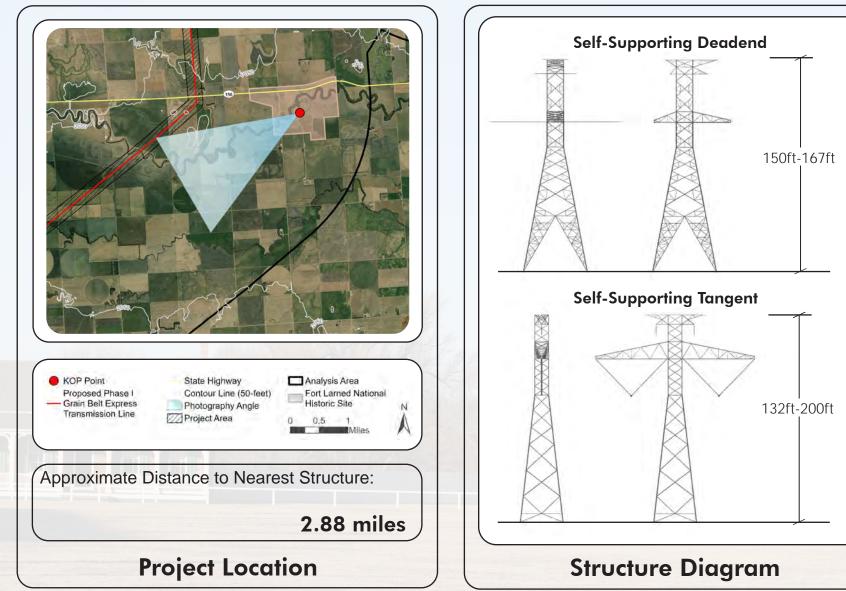






Simulation was prepared using information provided by client. Locations, colors, and heights may vary based on final engineering and design.

GRAIN BELT EXPRESS TRANSMISSION LINE PROJECT





KOP 6 - Fort Larned NHS -East Parade Ground

Base Photographic Documentation Pawnee, Kansas County: Latitude (o): 38.182 Longitude (•): -99.217 Viewpoint Elevation (feet): 2036 Camera Height (meters): 1.5 Camera Heading (degrees): 260 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels): 6720 x 4480

Single frame simulation approximates 50mm full frame equivalent.

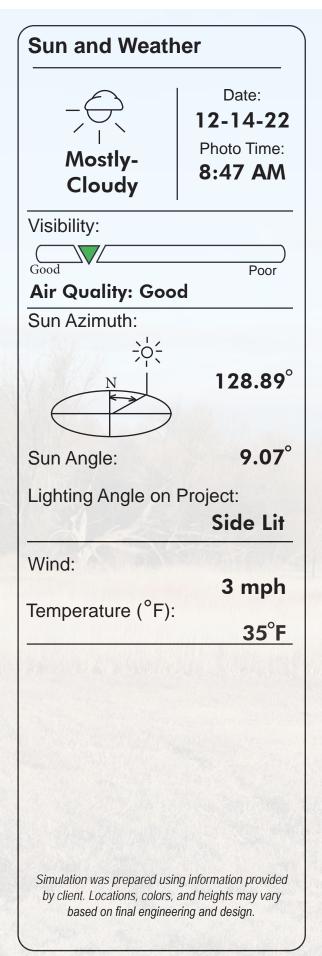
Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

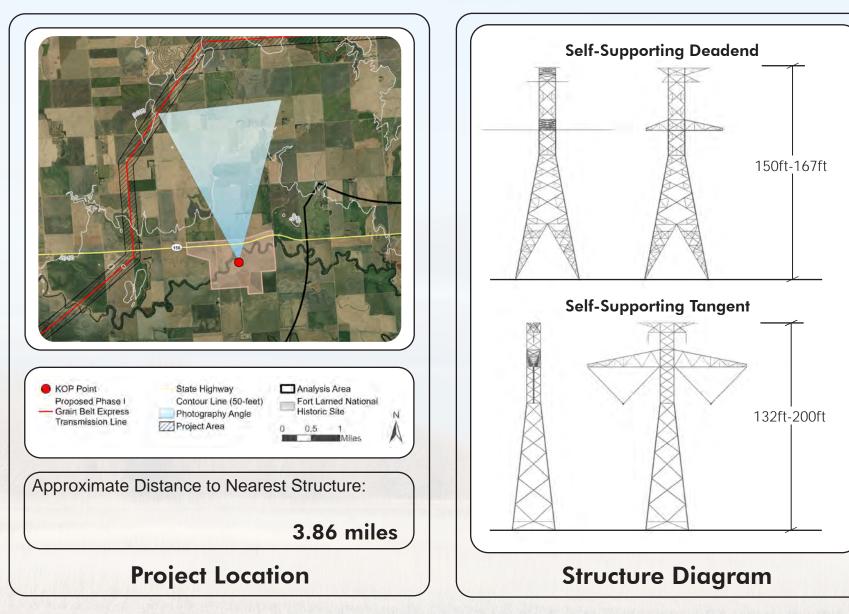














KOP 7 - Fort Larned NHS -Cemetery

Base Photographic Documentation Pawnee, Kansas County: Latitude (o): 38.184 Longitude (•): -99.216 Viewpoint Elevation (feet): 2037 Camera Height (meters): 1.5 Camera Heading (degrees): 330 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels): 6720 x 4480

Single frame simulation approximates 50mm full frame equivalent.

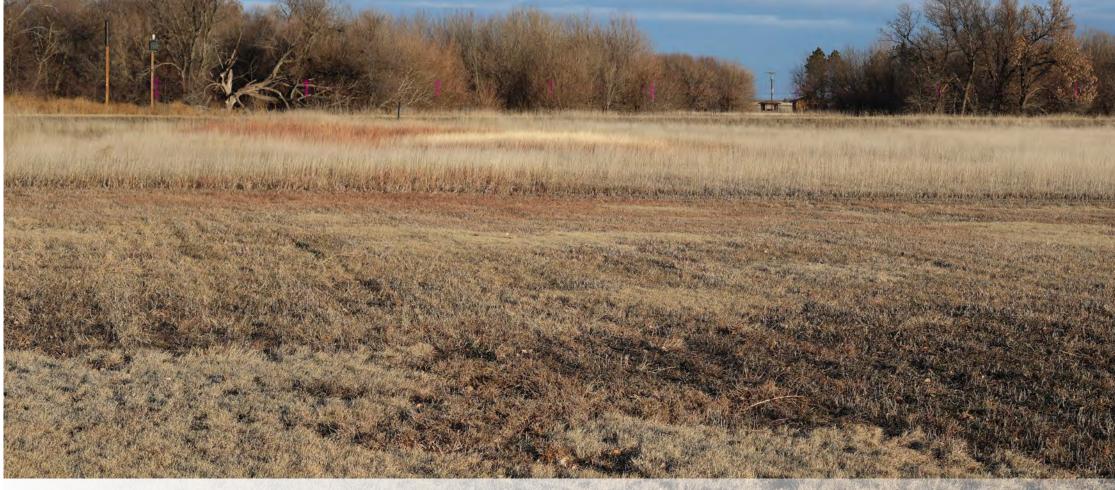
Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.







This image does not represent a simulated condition. The purpose of this image is to highlight the modeled location of the structures which may otherwise be difficult for viewers to discern in the simulated condition.



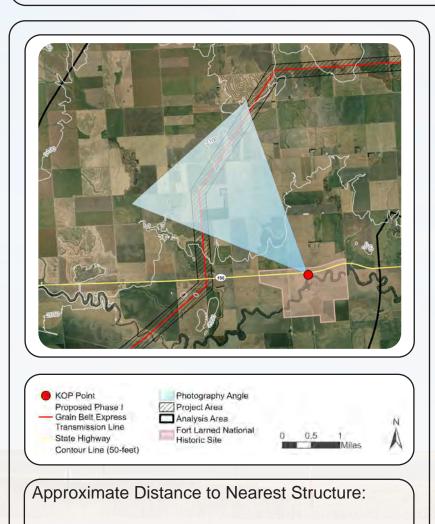
KOP 7: View from Fort Larned NHS - Cemetery looking north - Color Overlay



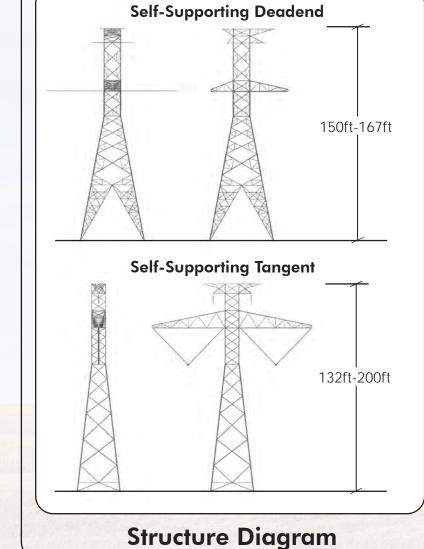


Simulation was prepared using information provided by client. Locations, colors, and heights may vary based on final engineering and design.

GRAIN BELT EXPRESS TRANSMISSION LINE PROJECT



Project Location





2 miles

KOP 8 - Fort Larned NHS -Recreational Picnic Area

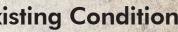
Base Photographic Documentation Pawnee, Kansas County: Latitude (o): 38.188 Longitude (•): -99.217Viewpoint Elevation (feet): 2036 Camera Height (meters): 1.5 Camera Heading (degrees): 320 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels): 6720 x 4480

Single frame simulation approximates 50mm full frame equivalent.

Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

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KOP 8: View from Fort Larned NHS - Recreational Picnic Area looking northwest - Existing Condition



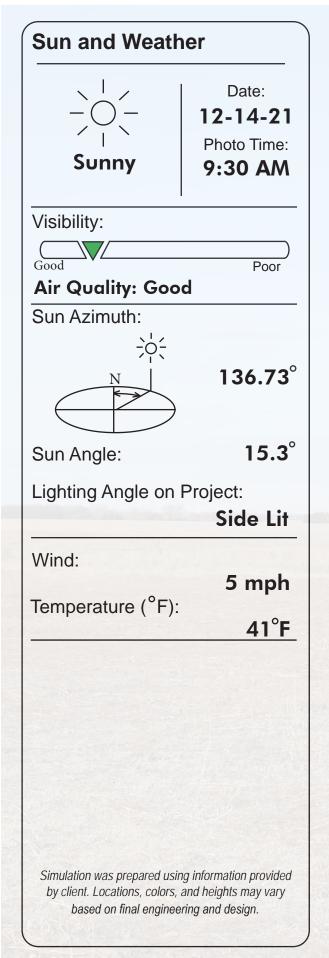
KOP 8: View from Fort Larned NHS - Recreational Picnic Area looking northwest - Simulated Condition

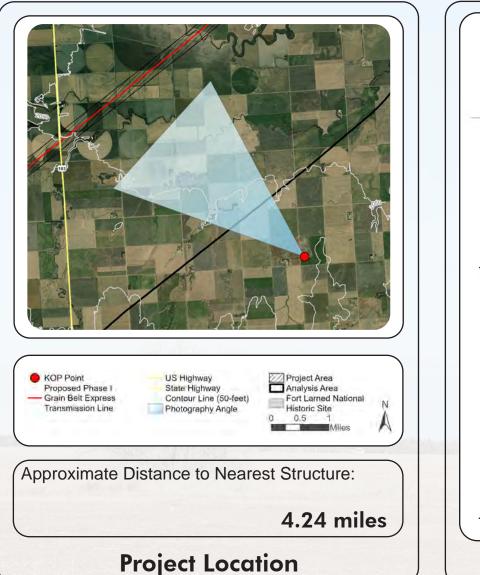


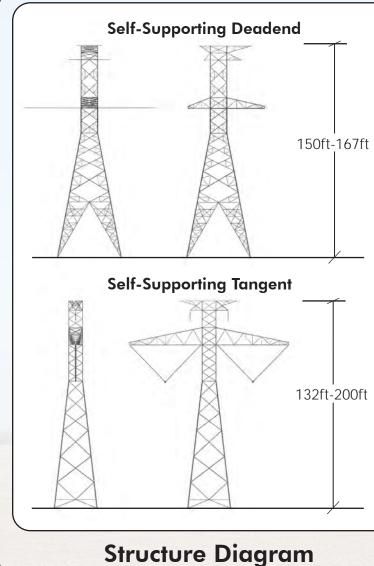
This image does not represent a simulated condition. The purpose of this image is to highlight the modeled location of the structures which may otherwise be difficult for viewers to discern in the simulated condition. The structures have been masked into the topography to properly represent where they meet the ground surface.

KOP 8: View from Fort Larned NHS - Recreational Picnic Area looking northwest - Color Overlay











KOP 9 - Santa Fe NHT -Santa Fe Ruts

Base Photographic Documentation Pawnee, Kansas County: Latitude (o): 38.118 Longitude (•): -99.239 Viewpoint Elevation (feet): 2094 Camera Height (meters): 1.5 Camera Heading (degrees): 315 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame **Crop Factor:** Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels):

6720 x 4480 Single frame simulation approximates 50mm full frame equivalent.

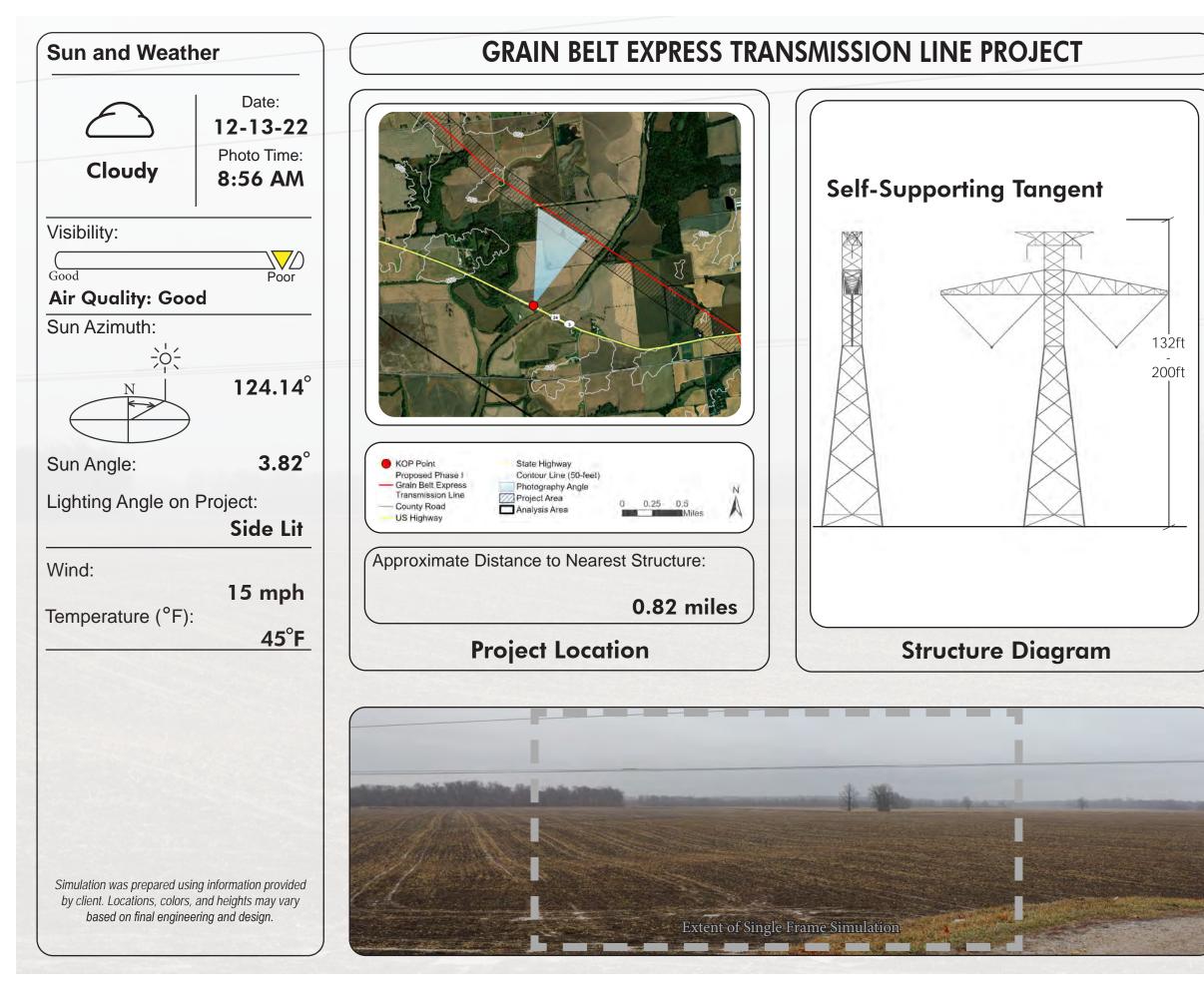
Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

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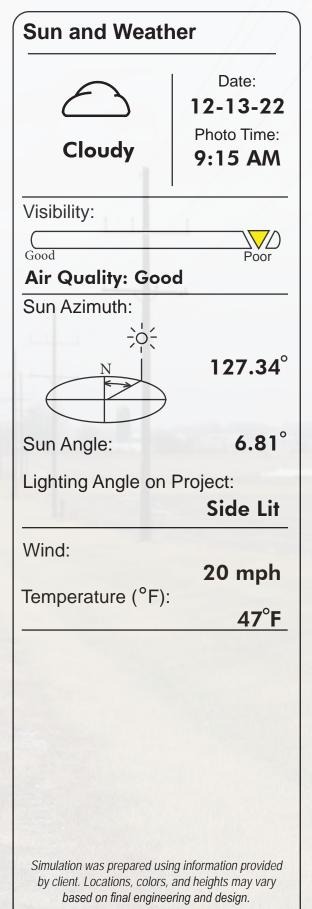


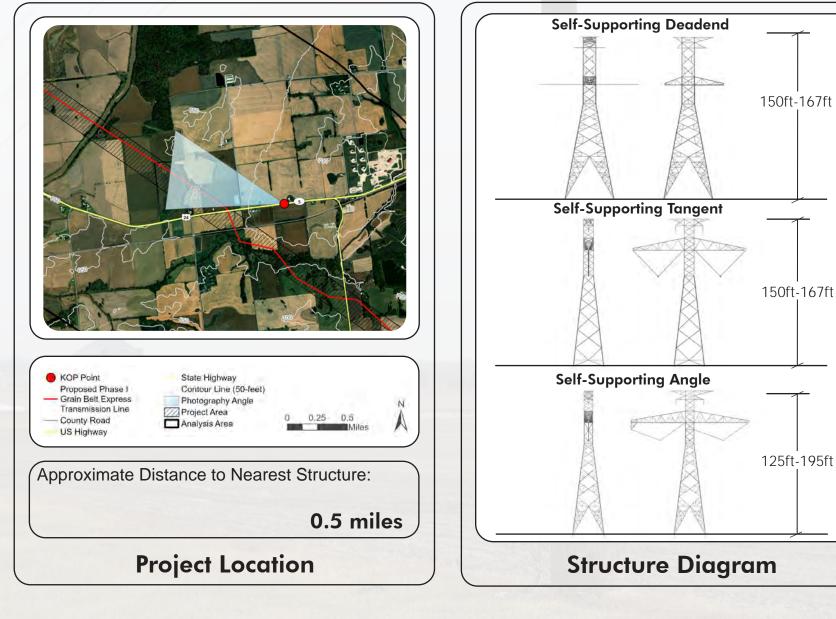


_		
	KOP 10 - Lewis and C NHT Auto Tour Rout Chariton River Access Base Photographic Docume	e - Area
	County: Chariton, Mis	souri
		0.417
		2.896
	Viewpoint Elevation (feet):	
	Camera Height (meters):	1.5
	Camera Heading (degrees)	
	Camera Make & Model: Canon EOS 5D Ma Camera Sensor Size (mm)	15 Irk IV
2	36 x 24 Full F	
	Crop Factor:	1
	Lens Make & Model:	
	AF-P N Lens Focal Length (mm):	ikkor
	Image Size (pixels):	50
	6720 x	4480
	Single frame simulation approximates 50mm equivalent.	full frame
	Viewing Instructions: Printed at 100% the r simulation is 16 inches wide by 10 inches hig size and focal length, the simulation should b at arms length (24 inches). If viewed on a c monitor, scale should be 100%.	gh. At this be viewed omputer S
5	and the second sec	











KOP 11 - Lewis and Clark NHT Auto Tour Route - U.S. Highway 24		
Base Photographic Docume	entation	
County: Chariton, Mis	souri	
Latitude (o):	39.41	
Longitude (•):	2.857	
Viewpoint Elevation (feet):	665	
Camera Height (meters):	1.5	
Camera Heading (degrees):	
Camera Make & Model:	280	
Canon EOS 5D Mc		
Camera Sensor Size (mm)		
36 x 24 Full F Crop Factor:	rame	
Lana Maka 9 Madak	1	
Lens Make & Model: AF-P N	ikkor	
Lens Focal Length (mm):		
Image Size (pixels):	50	
6720 x	4480	
Single frame simulation approximates 50mm		

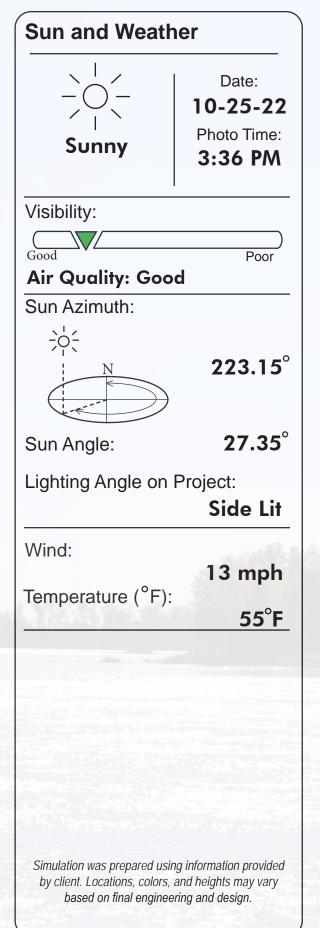
Single frame simulation approximates 50mm full frame equivalent.

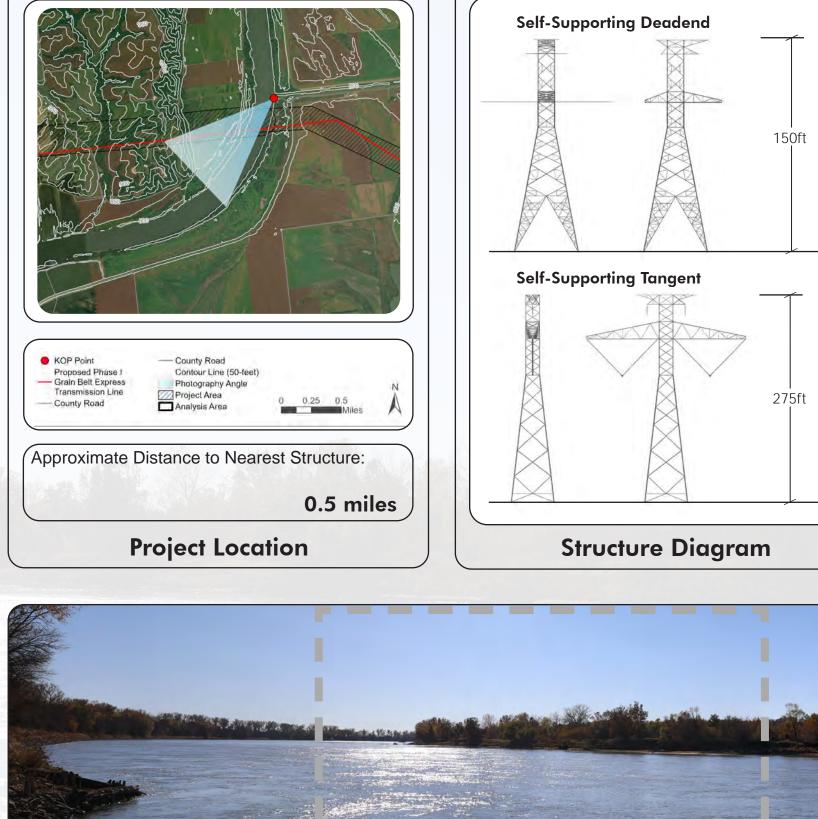
Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

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Extent of Single Frame Simulation

KOP 12 - Jentell Brees Missouri River Access

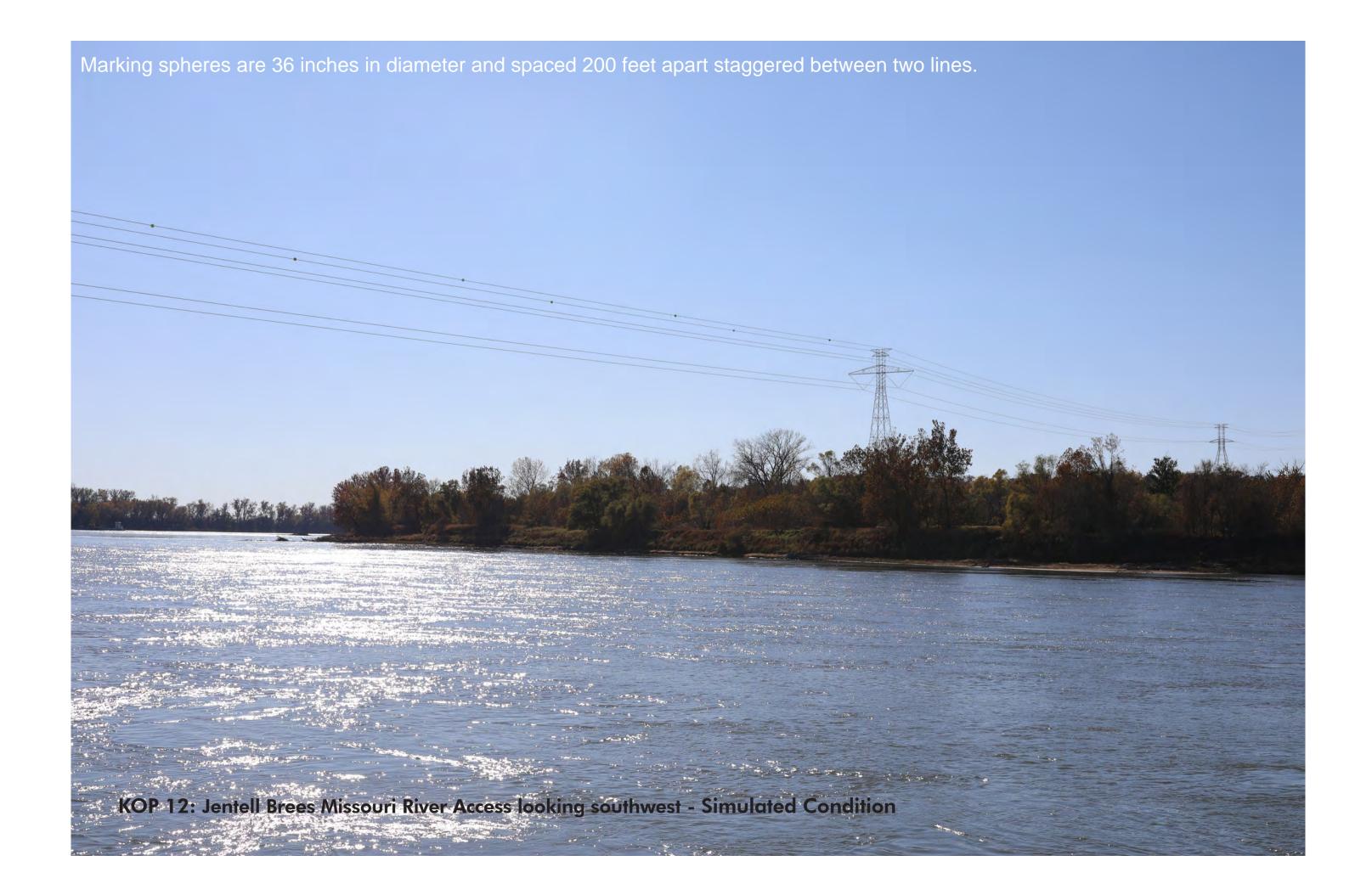
Base Photographic Documentation County: Buchanan, Missouri Latitude (o): 39.691 Longitude (•): -94.967 Viewpoint Elevation (feet): 800 Camera Height (meters): 1.5 Camera Heading (degrees): 230 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels): 6720 x 4480

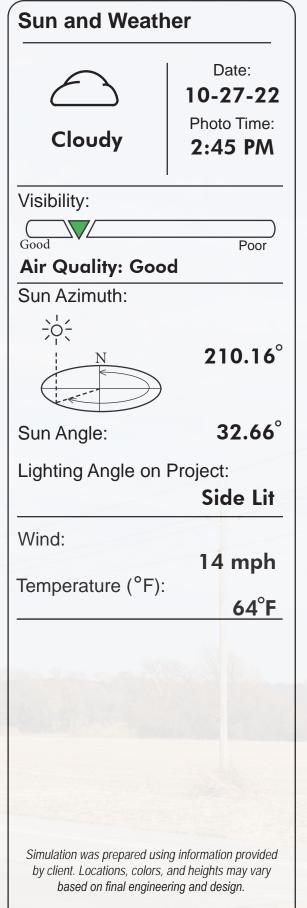
Single frame simulation approximates 50mm full frame equivalent.

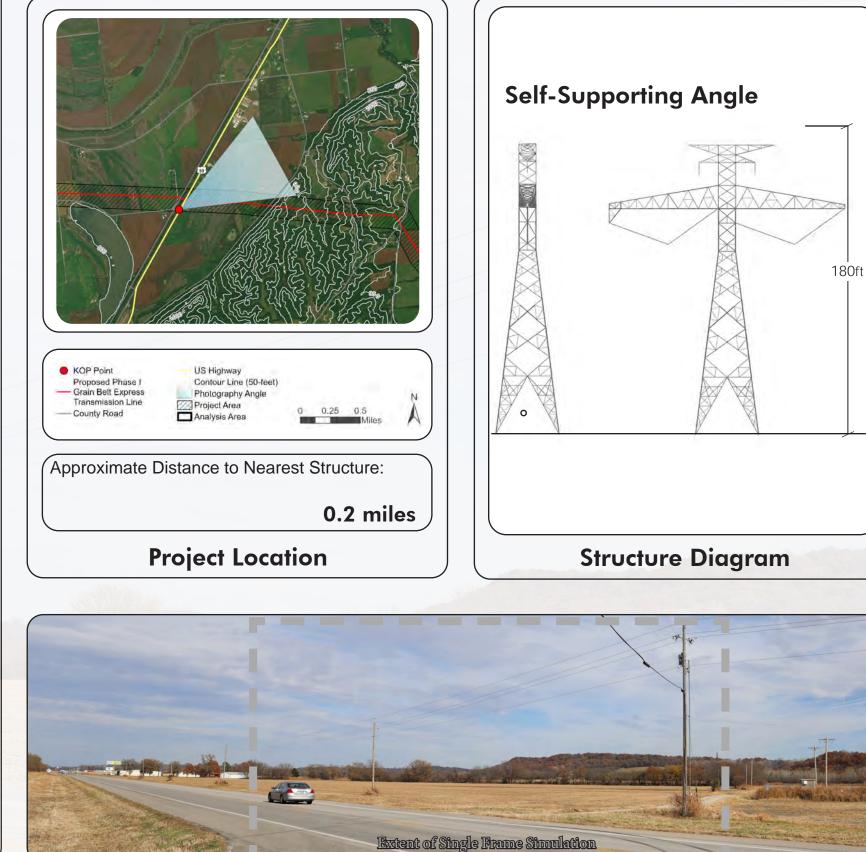
Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.











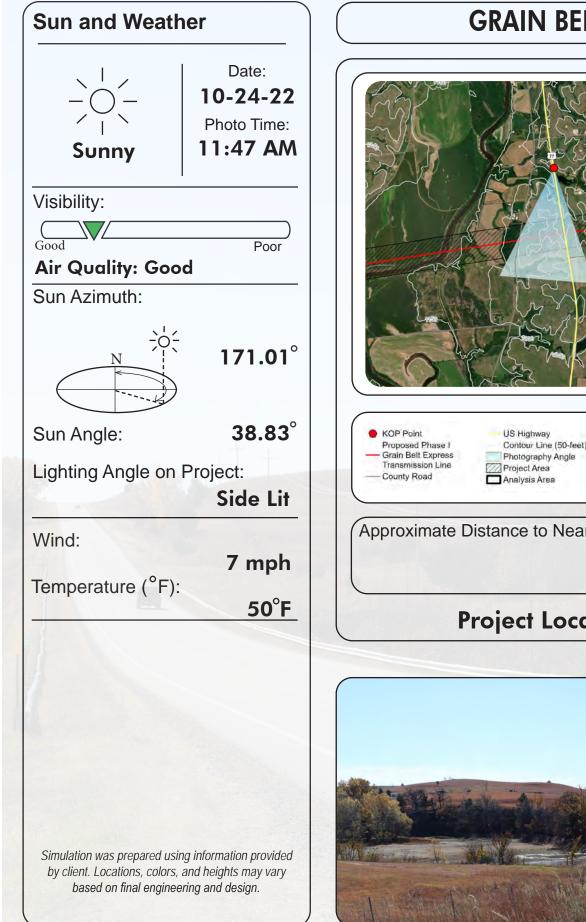
KOP 13 - Lewis and Clark NHT Auto Tour Route - U.S. Highway 59 (SW Bluff Woods Road) Base Photographic Documentation
County: Buchanan, Missouri
Latitude (•): 39.675
Longitude (॰): -94.908
Viewpoint Elevation (feet): 812
Camera Height (meters): 1.5
Camera Heading (degrees):
70 Camera Make & Model:
Canon EOS 5D Mark IV Camera Sensor Size (mm):
36 x 24 Full Frame
Crop Factor:
Lens Make & Model:
AF-P Nikkor Lens Focal Length (mm):
50 Image Size (pixels):
6720 x 4480
Single frame simulation approximates 50mm full frame equivalent.

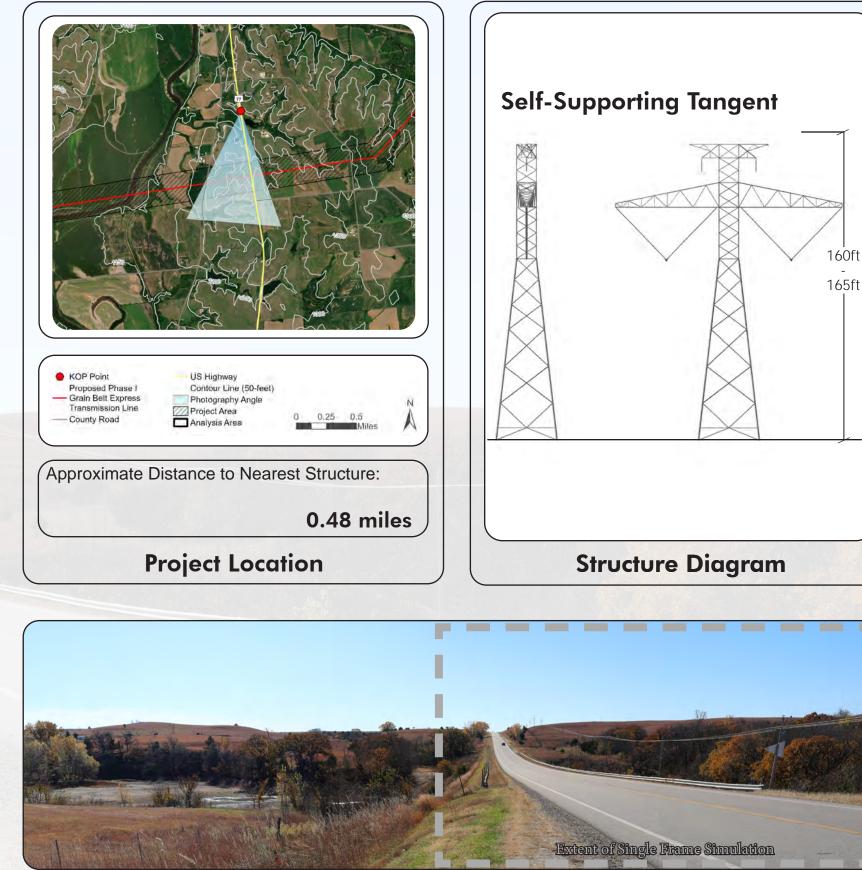
Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

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KOP 14 - U.S. Highway 77

Base Photographic Documentation Marshall, Kansas County: Latitude (o): 39.816 Longitude (•): -96.645 Viewpoint Elevation (feet): 1240 Camera Height (meters): 1.5 Camera Heading (degrees): 180 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels):

Single frame simulation approximates 50mm full frame equivalent.

6720 x 4480

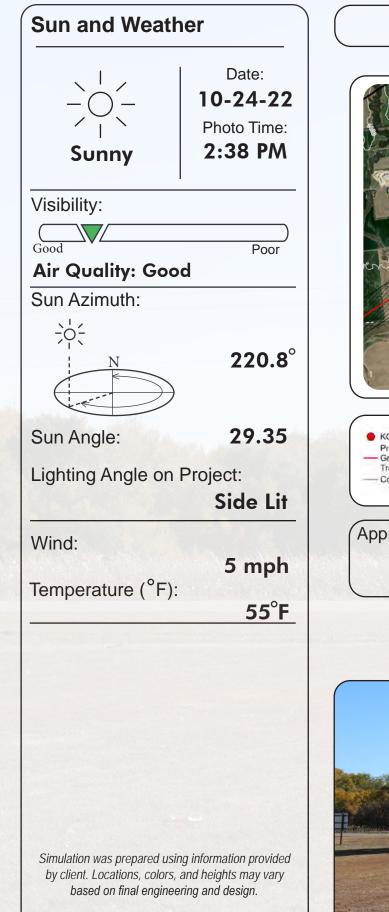
Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

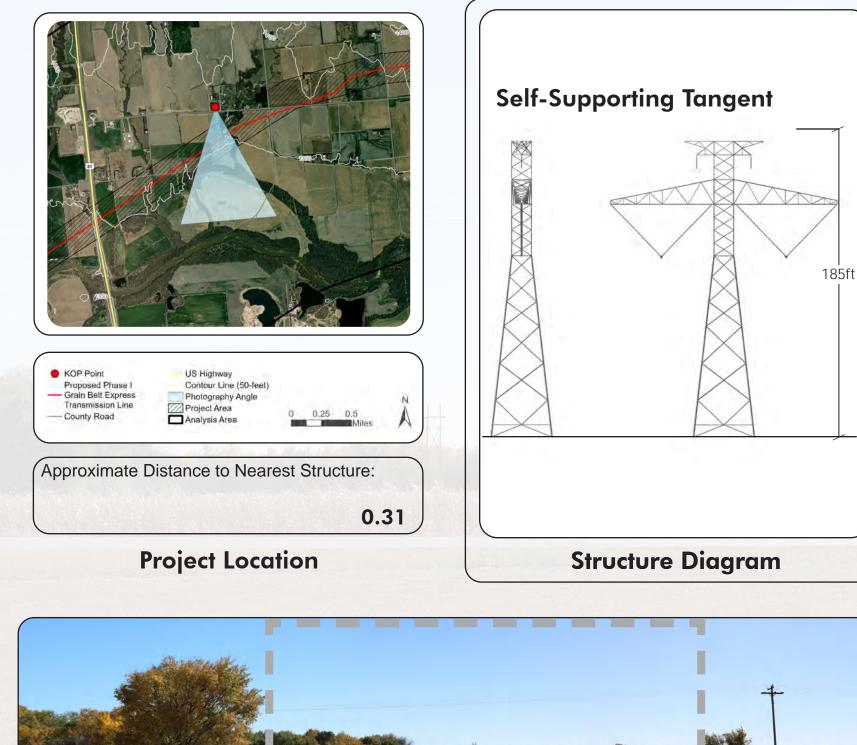




KOP 14: View from U.S. Highway 77 looking south - Simulated Condition







Extent of Single Frame Simulation

KOP 15 - Union Road

Base Photographic Documentation Cloud, Kansas County: Latitude (o): 39.61 Longitude (•): -97.64 Viewpoint Elevation (feet): 1382 Camera Height (meters): 1.5 Camera Heading (degrees): 190 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels): 6720 x 4480

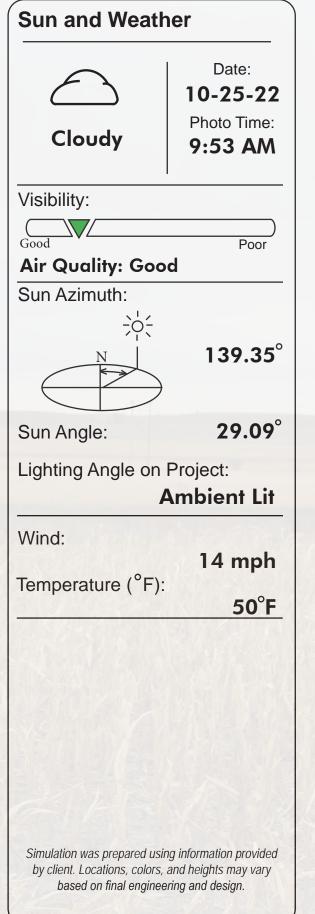
Single frame simulation approximates 50mm full frame equivalent.

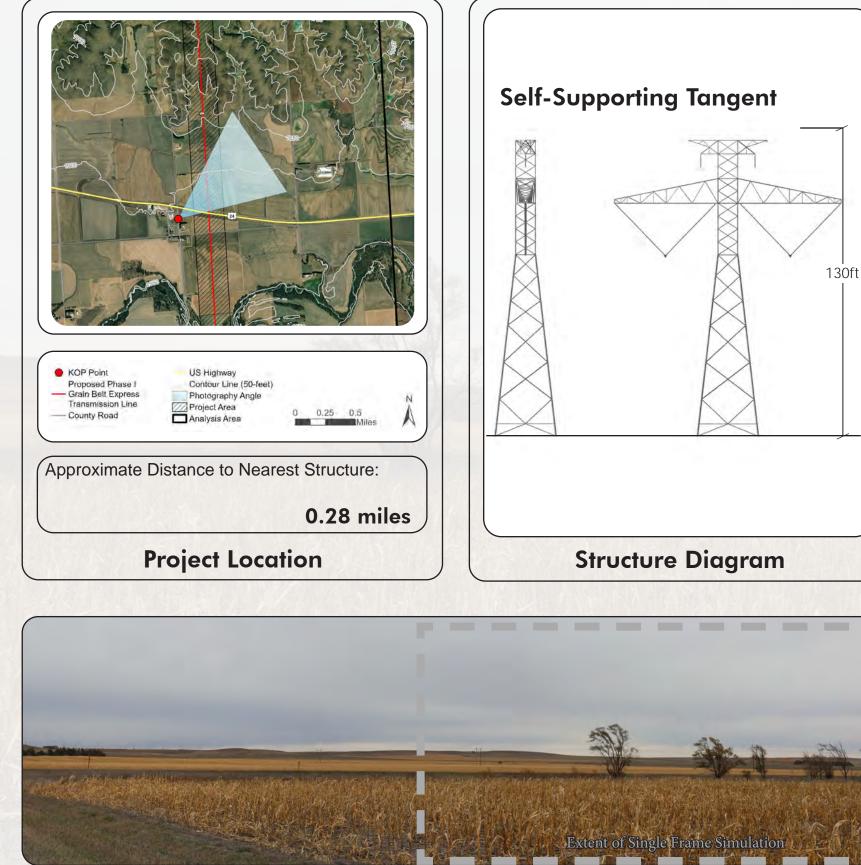
Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

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KOP 16 - County 671 Avenue

Base Photographic Documentation Osborne, Kansas County: Latitude (o): 39.454 Longitude (•): -98.787 Viewpoint Elevation (feet): 1596 Camera Height (meters): 1.5 Camera Heading (degrees): 65 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels):

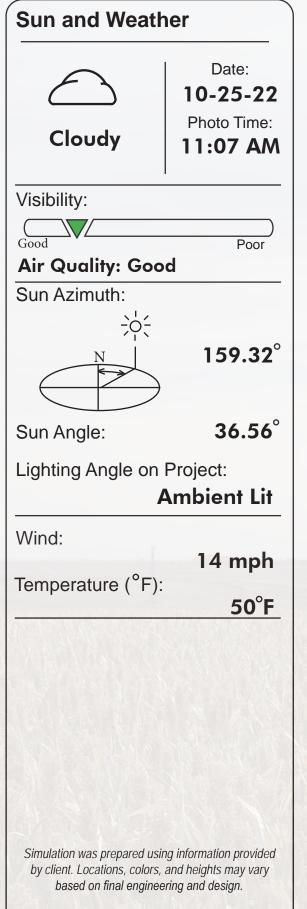
6720 x 4480 Single frame simulation approximates 50mm full frame equivalent.

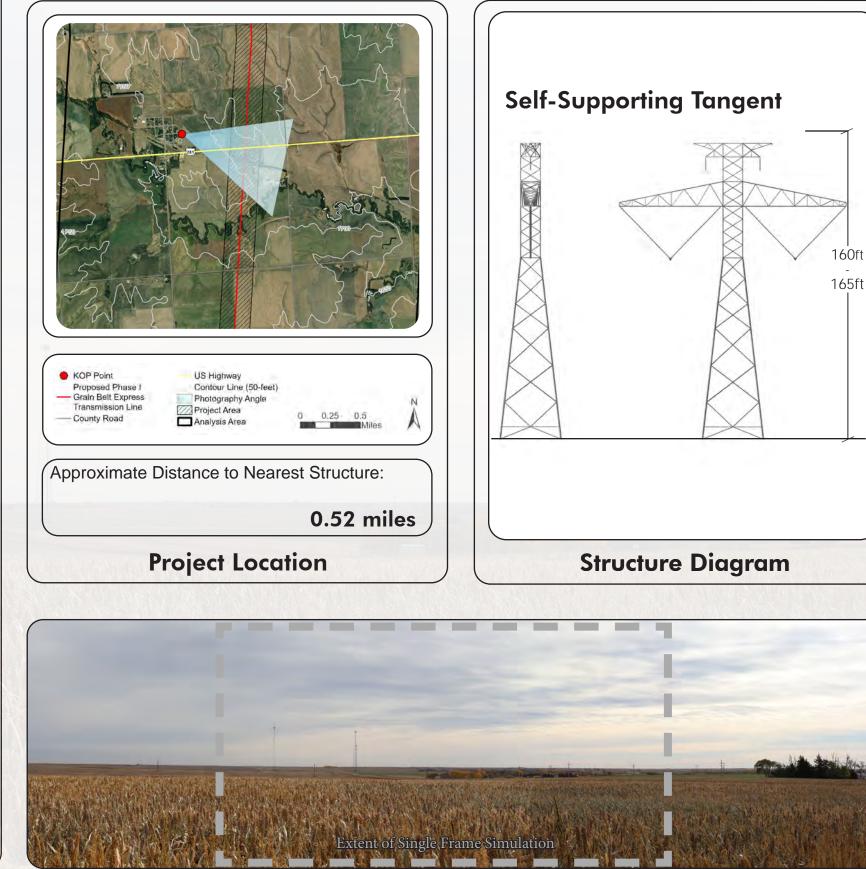
Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.











KOP 17 - Corner of 2nd Street and Ola Avenue

Base Photographic Documentation **Russell, Kansas** County: Latitude (o): 39.12 Longitude (•): -98.796 Viewpoint Elevation (feet): 1728 Camera Height (meters): 1.5 Camera Heading (degrees): 95 Camera Make & Model: Canon EOS 5D Mark IV Camera Sensor Size (mm): 36 x 24 Full Frame Crop Factor: Lens Make & Model: **AF-P** Nikkor Lens Focal Length (mm): 50 Image Size (pixels): 6720 x 4480

Single frame simulation approximates 50mm full frame equivalent.

Viewing Instructions: Printed at 100% the resulting simulation is 16 inches wide by 10 inches high. At this size and focal length, the simulation should be viewed at arms length (24 inches). If viewed on a computer monitor, scale should be 100%.

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