





Accelerating Economic Prosperity in the Heartland:






A Rural Freight Rail Project













Project 7




State	Railroad	Subdivision	Bridge ID	Recommendation Detailed with Timber Material	Lump Sum cost
OK	SKOL	Tulsa	29.60	Frame Bent # 6 [ 6 Ea._Piles 6'L+/- and 2 Ea._ Caps 14x14"14'L]	
OK	SKOL	Tulsa		Add/Replace Longitudinal/ X- Bracing_Re-Plumb Bents 2-5 [12 Ea._3x10"x18'L Plank]	
OK	SKOL	Tulsa		Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [12 Ea._6x12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts]	
				Location: Copan, OK Type: Timber open deck Length: 70' Height: 7' Latitude: 36.903745° Longitude: -95.927601° Crossing Feature: Ditch Bridge Sections: 1	
OK	SKOL	Tulsa	36.00	Replace Stringer Chords All Spans 4 total [12 Ea._8x16"x28'L Stringers and 8 Ea._8x16x14' Stringers]	
OK	SKOL	Tulsa		Replace Bent Caps 2,4 and 5 [3 Ea._14x14"x14'L Caps]	
OK	SKOL	Tulsa		Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [12 Ea._6x12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts]	
				Location: Dewey, OK Type: Timber open deck Length: 56.5' Height: 8' Latitude: 36.812234° Longitude: -95.940790° Crossing Feature: Creek Bridge Sections: 1	
OK	SKOL	Tulsa	38.60	Frame Bents # 6 and # 24 [ 12 Ea._Piles 8'L+/- and 2 Ea._ Caps 14x14"14'L + 2 Ea._ Caps 14x14"x16'L]	
OK	SKOL	Tulsa		Add/Replace Longitudinal/ X- Bracing_Re-Plumb Bents 5-7 and 23-25 [16 Ea._3x10"x18'L Plank]	
OK	SKOL	Tulsa		Replace Deck Ties [290 Ea._7x9"x10'] Guard Timbers [4x8"x812LF']	
OK	SKOL	Tulsa		Replace Bent Caps (Cap Bent 9-10) [2 Ea._14x14"x14'L Caps]	
OK	SKOL	Tulsa		Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [12 Ea._6x12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts]	
				Location: Bartlesville, OK Type: Timber open deck Length: 406' Height: 10' Latitude: 36.777598° Longitude: -95.953121° Crossing Feature: Creek Bridge Sections: 1	
OK	SKOL	Tulsa	44.50	Replace Stringer Chords All Spans 14 total [52 Ea._8x16"x28'L Stringers and 8 Ea._8x16x14' Stringers]	
OK	SKOL	Tulsa		Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [12 Ea._6x12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts]	
				Location: Bartlesville, OK Type: Timber open deck Length: 197' Height: 18' Latitude: 36.703867° Longitude: -95.969333° Crossing Feature: Local Drainage Bridge Sections: 1	

OK	SKOL	Tulsa	<b>51.00</b>	Add/Replace Longitudinal/ X- Bracing_Re-Plumb Bents 2-4 [8 Ea._3x10"x18'L Plank]
OK	SKOL	Tulsa		Pour new Footings around concrete sill Bent 2 [12CY +/- concrete]
OK	SKOL	Tulsa		Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [12 Ea._6-12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts, 16 tons Riprap.]
				<p>Location: Ocheleta, OK  Type: Timber open deck  Length: 43'  Height: 12'  Latitude: 36.620600°  Longitude: -95.988467°  Crossing Feature: Creek  Bridge Sections: 1</p> 
OK	SKOL	Tulsa	<b>61.70</b>	Frame Bent 1 [ 6 Ea._Piles 5'L+/- and 2 Each 3"x10"x18'L Plank and 2 Ea. Caps 14x14"x14']
OK	SKOL	Tulsa		Replace Stringer Chords All Spans 9 total [40 Ea._8x16"x30'L Stringers and 10 Ea._8x16x14' Stringers]
OK	SKOL	Tulsa		Add/Replace Longitudinal/ X- Bracing_Re-Plumb Bents 2-7 [24 Ea._3x10"x18'L Plank and 38 Ea. 3x10"x20'L Plank]
				Replace all ties and guard timber 102 Ea._7x10"W x 10'L ties and 240LF of 4x8" Guard Timber.
OK	SKOL	Tulsa		Re-Cut Piles Install New Double Cap All 10 Bents [20 Ea._14x14"x14'L Caps]
OK	SKOL	Tulsa		Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [18 Ea._6x12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts]
				<p>Location: Vera, OK  Type: Timber open deck  Length: 128'  Height: 27'  Latitude: 36.490449°  Longitude: -95.901573°  Crossing Feature: Creek  Bridge Sections: 1</p> 
OK	SKOL	Tulsa	<b>64.40</b>	Replace Stringer Chords All Spans 10 total [46 Ea._8x16"x28'L Stringers and 8 Ea._8x16x14' Stringers]
OK	SKOL	Tulsa		Add/Replace Longitudinal/ X- Bracing_Re-Plumb Bents 2-10 [12 Ea._3x10"x18'L Plank and 12 Ea. 3x10"x20'L Plank]
				Replace all ties and guard timber 124 Ea._7x10"W x 10'L ties and 290LF of 4x8" Guard Timber.
OK	SKOL	Tulsa		Re-Cut Piles Install New Double Cap All 11 Bents [22 Ea._14x14"x14'L Caps]
OK	SKOL	Tulsa		Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [12 Ea._6x12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts]
				<p>Location: Vera, OK  Type: Timber open deck  Length: 140'  Height: 15'  Latitude: 36.455767°  Longitude: -95.879895°  Crossing Feature: Creek  Bridge Sections: 1</p> 
KS	SKOL	Tulsa	<b>161.40</b>	Replace Stringer Chords All Spans 9 total [40 Ea._8x16"x30'L Stringers and 10 Ea._8x16x14' Stringers]
KS	SKOL	Tulsa		Add/Replace Longitudinal/ X- Bracing_Re-Plumb Bents 4-6 [12 Ea._3x10"x18'L Plank and 4 Ea. 3x10"x20'L Plank]
KS	SKOL	Tulsa		Replace Sill Caps Bent 7 [1 Ea._14x14"x16'L Cap]
KS	SKOL	Tulsa		Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [12 Ea._6x12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts]
				<p>Location: Cherryvale, KS  Type: Timber open deck  Length: 126'  Height: 10'  Latitude: 37.257083°  Longitude: -95.644718°  Crossing Feature: Creek  Bridge Sections: 1</p> 

KS	SKOL	Moline	<b>194.3-1</b>	Replace Bridge Ties [50 Each 9x7"x10'L] Guard Timbers: [4x8"x 210LF']	
KS	SKOL	Moline	<b>194.3-2</b>	Deck: Replace all bridge ties. [132 -8x9"x10'L ] Guard Timbers: [4x8"x 210LF']	
<p>Location: Elk Falls, KS  Type: Steel open deck  Length: 209'  Height: 32'  Latitude: 37.368028°  Longitude: -96.163697°  Crossing Feature: Stream  Bridge Sections: 3</p>					
KS	SKOL	Moline	<b>194.8-2</b>	Replace Bridge Ties Section 2 [60 Each 7.5x9.5"x10'L] Guard Timbers: [4x8"x 160LF']	
<p>Location: Elk Falls, KS  Type: steel open deck  Length: 77'  Height: 30'  Latitude: 37.369243°  Longitude: -96.172692°  Crossing Feature: Stream  Bridge Sections: 3</p>					
KS	SKOL	Moline	<b>226.5-1</b>	Replace Bridge Ties [20 Each 7x9"x9'L] Guard Timbers: [4x8"x 60LF']	
KS	SKOL	Moline	<b>226.5-2</b>	Replace Bridge Ties[ 92 Each 7.5x8"x10'L] Guard Timbers: [4x8"x 200LF']	
<p>Location: Cambridge, KS  Type: Steel open deck  Length: 128'  Height: 24'  Latitude: 37.309735  Longitude: -96.680312  Crossing Feature: Creek  Bridge Sections: 3</p>					
KS	SKOL	Moline	<b>226.6-2</b>	Replace Bridge Ties 92 Each 7.5x8"x10'L	
KS	SKOL	Moline	<b>226.5-3</b>	Replace Bridge Ties 52 Each 6.75x9"x10'L	
<p>Location: Cambridge, KS  Type: Steel open deck  Length: 198'  Height: 27'  Latitude: 37.30895  Longitude: -96.6825  Crossing Feature: Creek  Bridge Sections: 3</p>					
KS	SKOL	Moline	<b>247.4-1</b>	Replace Bridge Ties 200 Each 9.75" H x 10" W x 12' L and 80 Each 9.75" H x 10" W x 18' L	
KS	SKOL	Moline		Replace Walkway with New Bar Grating and steel handrailing both sides. (570 LF.)	
<p>Location: Winfield, KS  Type: Through Truss  Length: 285'  Height: 27'  Latitude: 37.243824°  Longitude: -97.002679°  Crossing Feature: Walnut River  Bridge Sections: 2</p>					

KS	SKOL	Neodesha	<b>351.40</b>	Replace all Deck Ties and Guard Timbers [170 Each 7x9.5" x 10'L and Guard Timbers: [4x8"x 760LF']	
KS	SKOL	Neodesha		Replace Stringer Chords All Spans 13 total [48 Ea._10x16"x28'L Stringers and 8 Ea._10x16x14' Stringers]	
		Location: Hallowell, KS Type: Timber open deck Length: 174' Height: 10' Latitude: 37.178427° Longitude: -94.979451° Crossing Feature: Hallowell, KS Bridge Sections: 1			
KS	SKOL	Neodesha	<b>355.80</b>	Post Piles 13 total [Piles 13 Each 12"x10'L]	
KS	SKOL	Neodesha		Spot Replace Stringers [5 Ea. 8x16"x 28'Long]	
		Location: Hallowell, KS Type: Timber open deck Length: 161' Height: 13' Latitude: 37.164667° Longitude: -95.056950° Crossing Feature: Hallowell, KS Bridge Sections: 1			
KS	SKOL	Neodesha	<b>357.70</b>	Frame Bent # 3 [ 6 Ea._Piles 8'L+/- and 2 Each 3"x10"x18'L Plank]	
KS	SKOL	Neodesha		Replace Ties_68 Ea. 6.5x9"x10'L and Guard Timbers: [4x8"x 140LF']	
		Location: Oswego, KS Type: Timber open deck Length: 68' Height: 15' Latitude: 37.150364° Longitude: -95.083372° Crossing Feature: Creek Bridge Sections: 1			
KS	SKOL	Neodesha	<b>358.00</b>	Post Piles 7 total [Piles 7 Each 12"x12'L]	
KS	SKOL	Neodesha		Add/Replace Longitudinal/ X- Bracing_Re-Plumb Bents 2-6 [4 Ea._4x10"x18'L Plank and 16 Ea. 4x10"x20'L Plank]	
		Location: Oswego, KS Type: Timber open deck Length: 82' Height: 15' Latitude: 37.146807° Longitude: -95.087496° Crossing Feature: Creek Bridge Sections: 1			
KS	SKOL	Neodesha	<b>358.30</b>	Frame Bents 3 and 4 [ 12 Ea._Piles 8'L+/- and 2 Each 3"x10"x18'L Plank]	
KS	SKOL	Neodesha		Post Piles/ Change Cap 7 total [Piles 6 Each 12"x12'L and Caps 2 Each 14x14"x14'L]	
KS	SKOL	Neodesha		Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [12 Ea._6x12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts]	
		Location: Oswego, KS Type: Timber open deck Length: 81' Height: 17' Latitude: 37.145640° Longitude: -95.091474° Crossing Feature: Creek Bridge Sections: 1			

KS	SKOL	Neodesha	<b>363.20</b>	Replace Stringer Chords All Spans 11 total [40 Ea._8x16"x28'L Stringers and 8 Ea._8x16x14' Stringers]	
KS	SKOL	Neodesha		Replace Longitudinal/ X- Bracing_Re-Plumb Bents 2 total [4 Ea._3x10"x18'L Plank and 8 Ea. 4x10"x20'L Plank]	
KS	SKOL	Neodesha		Replace all Deck Ties and Guard Timber [140 Each 6x8"x 10'L and Guard Timbers: [4x8"x 300LF']	
KS	SKOL	Neodesha		Replace Sill Caps Bent 6 and 10 [Sill caps 2 Each 14"x14"x 16'L]	
				Location: Oswego, KS Type: Timber open deck Length: 145' Height: 20' Latitude: 37.173761° Longitude: -95.166583° Crossing Feature: Creek Bridge Sections: 1	
KS	SKOL	Neodesha	<b>364.00</b>	Re-Cut all Bents to correct Super-elevation and Double Cap (8) total [Caps 16 Each 14x14"x14'L]	
KS	SKOL	Neodesha		Replace Stringer Chords All Spans 7 total [40 Ea._8x16"x28'L Stringers and 8 Ea._8x16x14' Stringers]	
				Location: Oswego, KS Type: Timber open deck Length: 95 Height: 12' Latitude: 37.175108° Longitude: -95.179950° Crossing Feature: Stream Bridge Sections: 1	
KS	SKOL	Neodesha	<b>373.90</b>	Replace Ties 40 Each 8x10"x10L and Guard Timbers: [4x8"x 100LF']	
				Location: Altamont, KS Type: Timber open deck Length: 50' Height: 11' Latitude: 37.201519° Longitude: -95.355639° Crossing Feature: Creek Bridge Sections: 1	
KS	SKOL	Neodesha	<b>376.30</b>	Frame Bent # 2_Section 3 [ 6 Ea._Piles 12'L+/- and 2 Each 3"x10"x18'L Plank, 1 Ea._14x14"x14'Cap and 1 Ea. 14x14"x18' sill cap.]	
KS	SKOL	Neodesha		Install/ Replace Chord Shims Sections 1 and 3 [Shims Treated 30 Each 3/4" x14" x32"]	
				Location: Mound Valley, KS Type: Timber open deck Length: 49' Height: 12.5' Latitude: 37.207261° Longitude: -95.397842° Crossing Feature: Creek Bridge Sections: 3	
KS	SKOL	Neodesha	<b>381.80</b>	Section 2_Convert to Open Deck. All Spans (8) [ Stringers 28 Each 8x16"x28' and 8 Each 8x16"x14'] [Ties 90 Each 7x10"x10'L and 210LF 4x8" guard timber] Re-cut and double cap all bents to elevation. 20 Ea._14x14" x14'L Caps. Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [12 Ea._6x12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts]	
				Location: Cherryvale, KS Type: Timber Ballast deck Length: 108' Height: 15' Latitude: 37.253156° Longitude: -95.461662° Crossing Feature: Ditch Bridge Sections: 2	

KS	SKOL	Neodesha	<b>382.60</b>	Replace Ties_122 Ea. 6x8"x10'L and Guard Timbers: [4x8"x 250LF']	
KS	SKOL	Neodesha		Replace Cap Bent 6 [Cap 1 Each 14x14"x14'L] *Existing Cap is concrete and is broken. Replace with timber cap.	
		Location: Cherryvale, KS Type: Timber open deck Length: 122' Height: 12' Latitude: 37.25657° Longitude: -95.476489° Crossing Feature: Ditch Bridge Sections: 1			
KS	SKOL	Neodesha	<b>389.10</b>	Add/Replace Longitudinal/ X- Bracing_Re-Plumb Bents 3-7 [6 Ea._4x10"x18'L Plank and 20 Ea. 4x10"x20'L Plank]	
KS	SKOL	Neodesha		Shift Cords All Spans (8) [Move Stringer Chords longitudinally to correct parting lines and Install new fasteners]	
KS	SKOL	Neodesha		Replace Riser Caps Bent 2 and 3 [Riser Caps 2 Each 7"x14"x14'L]	
KS	SKOL	Neodesha		Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [12 Ea._6x12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts]	
		Location: Cherryvale, KS Type: Timber open deck Length: 110' Height: 21' Latitude: 37.294372° Longitude: -95.576786° Crossing Feature: Localized Drainage Bridge Sections: 1			
KS	SKOL	Neodesha	<b>389.50</b>	Section 1 Replace all ties 104 Ea. 9x10"x11'L and 280LF 4x8" Guard timber.	
KS	SKOL	Neodesha		Section 2_Replace Stringer Chords All Spans (7) [24 Ea._10x16"x28'L Stringers and 8 Ea._10x16x14' Stringers]	
KS	SKOL	Neodesha		Section 2_ Post Piles 3 Total [Piles 3 Each 12"x12'L] Replace Cap Bent 2 [1 Ea._14x14"x14' Cap]	
		Location: Cherryvale, KS Type: Timber open deck Length: 91' Height: 15' Latitude: 37.300087° Longitude: -95.579622° Crossing Feature: Drum Creek Overflow Bridge Sections: 2			
KS	SKOL	Neodesha	<b>399.20</b>	Section 1_Reframe Bent 1 to correct elevation	
KS	SKOL	Neodesha		Section 1_Recut and double cap all bents (5) to correct elevation	
KS	SKOL	Neodesha		Section 1_Replace Stringer Chords All Spans (5) [16 Ea._8x16"x28'L Stringers and 8 Ea._8x16x14' Stringers]	
KS	SKOL	Neodesha		Install Wingwalls_Repair/Replace Backwall_Approach Ballast-Tamp_Add Rip-rap [12 Ea._6x12"x20'L Backwall Plank, 16 Ea._3x12"x12' Wingwall Plank, 8 Ea._6x8"x10' WW Posts]	
KS	SKOL	Neodesha		Section 3_Replace Stringer Chords All Spans (6) [20 Ea._8x16"x28'L Stringers and 8 Ea._8x16x14' Stringers]	
		Location: Neodesha, KS Type: Timber open deck Length: 63' Height: 21' Latitude: 37.407129° Longitude: -95.650321° Crossing Feature: Dry River Bed Bridge Sections: 3			