

**PERIODIC INSPECTION OF
BRIDGE/GANTRY/MONORAIL/
JIB CRANES**

Contact Person:	Location:	Date:	
Make:	Model:	Serial #:	Capacity:
Unit ID #:	Tag #:	Inspected By:	

Reference: A = ANSI/ASME B30.2, B30.11, B30.16; O = OSHA 1910.179
Status: ✓ = Satisfactory X = Deficiency R = Recommendation N/A = Not Applicable

REFERENCE	ITEM	STATUS	REFERENCE	ITEM	STATUS
GENERAL			CONTROLS		
O-1910.179(b)(5)	1. Rated Load Marking		A-B30.16-1.2.12	32. Hand Chain	
A-B30.2/11-3.3.2	2. Hand Signal Chart		A-B30.16-1.2.12(b)	33. Hand Chain Wheel	
A-B30.2-1.1.1	3. Trolley/Hoist Identification		A-B30.11-1.9.1(e)	34. Identification	
O-1910.179(b)(6)	4. Clearance from Obstructions		A-B30.11-1.9.3(a)	35. Spring Return	
O-1910.179(b)(7)	5. Clearance from Parallel Cranes		A-B30.16.1.1.4	36. Safety Warning Sign	
O-1910.179(i)	6. Warning Device		POWER AIR/ELECTRIC EQUIPMENT		
O-1919.179(d)	7. Footwalks		A-B30.16.1.3.4(a)	37. Electrical Connections	
O-1910.179(d)	8. Ladders and Stairs		A-B30.16.2.1.3(d)(8)	38. Electrical Contacts	
SUPPORTING STRUCTURE			A-B30.16-1.3.4(a)	39. Electrical Disconnect	
A-B30.11-1.3.2(b)	9. Clamps		A-B30.16-1.3.4(b)	40. Air Connections	
A-B30.11-1.3.2(b)	10. Hanger Rods		A-B30.16-2.1.2(c)(4)	41. Air Lines/Valves	
A-B30.11-1.3.2(b)	11. Bolts (SCI see DOE Headmark list)		A-B30.11-1.9.5(b)	42. Cab Disconnect	
A-B30.11-1.3.1(g)	12. Stops		A-B30.11-1.9.5(a)	43. Conductor Disconnect	
A-B30.11-1.3.1(c)	13. Splices		A-B30.11-1.9.5(c)	44. Floor/Remote Disconnect	
A-B30.11-1.3.2(d)	14. Lateral/Long Restraints		A-B30.16-1.2.2(d)	45. Hoist Resistors	
A-B30.2-1.3.1(a)	15. Foundations		A-B30.11-1.9.4	46. Monorail Resistors	
A-B30.2-1.3.2(a)(2)	16. Runway Girders/Columns		A-B30.11-1.7.2(b)	47. Runway Conductor/Guards	
AB30.2-1.3.2(a)(4)	17. Rail Attachments/Alignment		HOIST(S) - MAIN (A) AUXILIARY (B)		A B
A-B30.2-1.3.2(b)(3)	18. Wheel Impacting Stops		A-B30.16-1.1.1	48. Hoist Capacity Marking	
OPERATORS CAB			A-B30.16-1.1.3	49. Manufacture ID Tag	
O-1910.179(c)(2)	19. Access		A-B30.16-1.3.2	50. Hoist Support	
O-1910.179(d)(4)(i)	20. Gantry Access		A-B30.16-2.1.3(d)(3)	51. Suspension Housing	
O-1910.179(c)(4)	21. Lighting		A-B30.16-2.1.3(d)(5)	52. Load/Idler Sprocket	
O-1910.179(c)(1)(ii)	22. Clearance 3"		A-B30.16-1.3.3(g)	53. Chain Container	
O-1910.179(c)(3)	23. Fire Extinguisher		O-1910.179(f)(2)	54. Holding Brake	
O-1910.179(o)(2)(ii)	24. Material Storage		O-1910.179(f)(3)	55. Control Brake	
O-1910.179(g)(3)(i)	25. Spring Return Controls		O-1910.179(h)(1)	56. Sheaves	
A-B30.2-3.4.2(b)	26. Housekeeping		A-B30.16-1.2.4(a)	57. Sheave Grooves	
O-1910.179(j)(3)(vi)	27. Load Indicator		A-B30.16-2.1.3(d)(3)	58. Safety Lugs	
O-1910.179(g)(5)(ii)	28. Master Switch		O-1910.179(h)(1,3)	59. Equalizer Sheaves	
FLOOR AND REMOTE CONTROLS			A-B30.2-2.1.9.2	60. Hoist Motor	
O-1910.179(g)(1)(v)	29. Pendant Function/ID		O-1910.179(j)(3)(iv)	61. Gear Box	
O-1910.179(g)(1)(iv)	30. Pendant Strain Relief		O-1910.179(j)(3)(iv)	62. Couplers	
O-1910.179(g)(2)(i)	31. Electrical Enclosures		A-B30.16-2.2(b)(3)	63. Lower Limit Switch	
			A-B30.16-1.2.14	64. Primary Upper Limit Switch	
			A-B30.16-1.2.14	65. Second. Upper Limit Switch	
			A-B30.2.1.14.2	66. Drum Grooves	
			A-B30.2-3.2.3(h)	67. Minimum Two Warps	

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REFERENCE	ITEM	STATUS	REFERENCE	ITEM	STATUS
TROLLEY(S)			BRIDGES/END TRUCKS		
O-1910.179(j)(2)(vi)	68. Wheels		A-B30.2-2.1.3(b)(10)	87. Travel Limit Switches	
A-B30.2-1.3.2(a)(4)	69. Rails		O-1910.179(j)(3)(iv)	88. Gears/Rails/Clamps	
O-1910.179(e)(4)	70. Rail Sweeps		O-1910.179(j)(3)(ii)	89. Attachments	
O-1910.179(j)(3)(vii)	71. Drive Motors		O-1910.179(j)(3)(i)	90. Structure	
O-1910.179(j)(3)(v)	72. Brakes		O-1910.179(j)(3)(v)	91. Brakes	
O-1910.179(j)(3)(iv)	73. Drive Shafts		O-1910.179(j)(3)(iv)	92. Drive Shafts	
A-B30.2-2.1.3(b)(7)	74. Collectors		O-1910.179(j)(3)(viii)	93. Sprockets	
O-1910.179(j)(3)(i)	75. Structure		O-1910.179(j)(3)(x)	94. Festoon System	
O-1910.179(e)(3)(i)	76. Bumpers		O-1910.179(e)(6)	95. Guards/Covers	
O-1910.179(e)(6)	77. Guards/Covers		O-1910.179(j)(2)(vi)	96. Wheels	
O-1910.179(j)(3)(iv)	78. Sprockets/Gears		O-1910.179(j)(3)(vii)	97. Motors	
A-B30.16-2.1.3(d)(3)	79. Pins/Bearings/Wheels Shafts/Gears/Rollers		O-1910.179(e)(2)	98. Bumpers	
A-B30.11-1.8.2(g)	80. Parking Brake		A-B30.11-1.7.3	99. Safety Lugs	
A-B30.11-1.7.3	81. Safety Lugs		O-1910.179(g)(6)	100. Collectors	
A-B30.11-1.8.2	82. Trolley Brake		O-1910.179(e)(1)(iii)	101. Wheel Impacting Stops	
A-B30.16-2.1.3(d)(6)	83. Trolley Hand Chain Brake		O-1910.179(e)(1)(i)	102. Stops	
A-B30.11-1.2.1	84. Clearance from Obstruction		JIB		
A-B30.11-1.7.1	85. Guards of Moving Parts		A-B30.11-1.3.1(a)	103. Foundation	
A-B30.11-1.11	86. Warning Devices		A-B30.11-2.1.2(e)(1)	104. Swing Drive	
			A-B30.11-2.1.3(e)(4)	105. Swing Stop	
			A-B30.11-2.1.3(e)(4)	106. Bearings	
			A-B30.11-1.3.2(e)	107. Back Stay	
			A-B30.11-1.3.2	108. Support	
			A-B30.16-1.3.2	109. Jib Support	
			A-B30.11-1.1.1	110. Jib Capacity Marking	
			A-B30.11-1.2.1	111. Clearance from Obstruc.	



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Reference: A-B30.16-2.4.2										
WIRE ROPE										
Rope	Type	Size	Const.	Core	Wear	Broken Wire	Damage	Lubrication	Connection	Status
Main										
Auxiliary										
Reference: A-B30.16-2.5.2,2.61										
LOAD CHAIN										
Chain Application	Type	Size	Pitch	Wear	Twist	Distortion	Damage	Lubrication	Connection	Status
Main										
Auxiliary										
LOAD BLOCKS & HOOKS										
DATA				MAIN				AUXILIARY		
Rated Capacity										
Hook Throat Measurement										
Hook Tram Measurement				A-A=	B-B=	A-A=		B-B=		
REFERENCE				ITEM		MAIN STATUS		AUX. STATUS		
A-B30.2-1.1.1 & B30.16-1.1.1				112 Capacity Marking						
A-B30.2-1.14.1 & B30.16.1.2.4				113. Sheaves						
A-B30.2-1.14.5 & B30.16-1.2.9				114. Hook Latch						
A-B30.2-2.1.2(4) & B30.10-1.2.1.3(c)(1)				115. Any Hook Twist or 10% Wear						
A-B30.2-2.1.2(4) & B30.10-1.2.1.3 (c)(2)				116. 5% Throat Opening (not to exceed 1/4" of original)						
A-B30.10-2.2.1(a)(4) & B30.10-1.2.1.3 (c)(3)				117. 10% Hook Wear						
A-B30.2-2.1.3(4) & B30.16-2.1.3(d)(3)				118. Swivel						
A-B30.2-2.1.3(4) & B30.16-2.1.3(d)(3)				119. Bearing						
A-B30.2-2.1.3(11) & B30.16-2.1.2(c)(9)				120. Reeving						
				121. NDT Results						

