



AMERICAN MINING CONGRESS TURNOUT DATA

Data For Turnouts With Long Switches (continued) Heavy Rail – 70-lb to 100-lb rail, inclusive. With Cast Frogs

American Mining Congress Standards

Frog No.	Gage	Switch		Rail Weight	Actual Lead	Closure Rails			
		Length	Vertex Distance			Curved		Straight	
						Radius	MO	Length	Length
4	36"	10'0"	10"	70 to 80	25'9-3/8"	70'1-1/16"	4-13/16"	14'11-3/4"	14'8-7/8"
		10'0"	10"	85 to 100	25'5-1/16"	68'1-13/16"	4-5/8"	14'5-3/8"	14'2-7/16"
	42"	10'0"	10"	70 to 80	29'1-11/16"	86'11-5/16"	5-7/8"	18'4-9/16"	18'1-3/16"
		10'0"	10"	85 to 100	28'9-1/16"	85'0-3/4"	5-5/8"	17'9-7/8"	17'6-7/16"
	44"	10'0"	10"	70 to 80	30'3-1/8"	92'6-11/16"	6-3/16"	19'3-3/16"	19'2-5/8"
		10'0"	10"	85 to 100	29'10-7/16"	90'8-3/8"	6"	18'11-3/8"	18'7-13/16"
	48"	10'0"	10"	70 to 80	32'6"	103'9-1/2"	6-7/8"	21'9-3/8"	21'5-1/2"
		10'0"	10"	85 to 100	32'1-1/16"	101'11-5/8"	6-5/8"	21'2-7/16"	20'10-7/16"
	56-1/2"	10'0"	10"	70 to 80	37'3-1/16"	127'8"	8-5/16"	26'7-3/16"	26'2-9/16"
		10'0"	10"	85 to 100	36'9-3/4"	125'11-1/8"	8-1/16"	25'11-13/16"	25'7-1/8"
5	36"	15'0"	12"	70 to 80	35'4-9/16"	109'7-13/16"	5-1/8"	19'3-3/16"	19'0-7/8"
		15'0"	12"	85 to 100	34'11-1/4"	106'7-15/16"	4-7/8"	18'7-3/8"	18'5-1/16"
	42"	15'0"	12"	70 to 80	39'8-3/8"	135'6-9/16"	6-3/16"	23'7-7/16"	23'4-11/16"
		15'0"	12"	85 to 100	39'2-3/4"	132'7-5/16"	6"	22'11-5/16"	22'8-9/16"
	44"	15'0"	12"	70 to 80	41'1-5/8"	144'2-1/8"	6-9/16"	25'0-13/16"	24'9-15/16"
		15'0"	12"	85 to 100	40'7-15/16"	141'3-1/8"	6-5/16"	24'4-9/16"	24'1-3/4"
	48"	15'0"	12"	70 to 80	44'0-3/16"	161'5-1/4"	7-5/16"	27'11-5/8"	27'8-1/2"
		15'0"	12"	85 to 100	43'6-1/4"	158'6-3/4"	7-1/16"	27'3-3/16"	27'0-1/16"
	56-1/2"	15'0"	12"	70 to 80	50'1-9/16"	198'1-7/16"	8-7/8"	34'1-5/8"	33'9-7/8"
		15'0"	12"	85 to 100	49'7-3/16"	195'3-7/8"	8-9/16"	33'4-11/16"	33'1"
6	36"	15'0"	12"	70 to 80	39'0-1/16"	161'2-7/16"	4-13/16"	22'7-1/4"	22'5-1/4"
		15'0"	12"	85 to 100	38'5-11/16"	156'11-15/16"	4-9/16"	21'9-13/16"	21'7-7/8"
	42"	15'0"	12"	70 to 80	44'0-5/8"	198'9-5/8"	5-13/16"	27'8-1/8"	27'5-13/16"
		15'0"	12"	85 to 100	43'5-13/16"	194'8-7/16"	5-9/16"	26'10-1/4"	26'8"
	44"	15'0"	12"	70 to 80	45'8-3/4"	211'4"	6-1/8"	29'4-7/16"	29'1-15/16"
		15'0"	12"	85 to 100	45'1-7/8"	207'3-5/16"	5-15/16"	28'6-7/16"	28'4-1/16"
	48"	15'0"	12"	70 to 80	49'1-1/8"	236'4-3/4"	6-13/16"	32'9-1/16"	32'6-5/16"
		15'0"	12"	85 to 100	48'5-15/16"	232'4-15/16"	6-5/8"	31'10-3/4"	31'8-1/8"
	56-1/2"	15'0"	12"	70 to 80	56'2-15/16"	289'7-13/16"	8-5/16"	39'11-3/8"	39'8-1/8"
		15'0"	12"	85 to 100	55'7-1/8"	285'10"	8"	39'0-3/8"	38'9-5/16"
7	36"	15'0"	12"	70 to 80	42'5-7/16"	223'10-1/16"	4-1/2"	25'9-1/8"	25'7-1/2"
		15'0"	12"	85 to 100	41'10"	218'5-1/4"	4-1/4"	24'10-1/4"	24'8-9/16"
	42"	15'0"	12"	70 to 80	48'2-1/4"	275'6-15/16"	5-7/16"	31'6-1/4"	31'4-5/16"
		15'0"	12"	85 to 100	47'6-5/16"	270'5-1/16"	5-3/16"	30'6-7/8"	30'4-7/8"
	44"	15'0"	12"	70 to 80	50'1-3/16"	292'9-7/8"	5-3/4"	33'5-5/16"	33'3-1/4"
		15'0"	12"	85 to 100	49'5-1/16"	287'9-1/16"	5-1/2"	32'5-3/4"	32'3-5/8"
	48"	15'0"	12"	70 to 80	53'11-1/16"	327'3-13/16"	6-3/8"	37'3-7/16"	37'1-1/8"
		15'0"	12"	85 to 100	53'2-5/8"	322'4-15/16"	6-3/16"	36'3-1/2"	36'1-3/16"
	56-1/2"	15'0"	12"	70 to 80	62'0-5/8"	400'7-3/8"	7-3/4"	45'5-3/8"	45'2-11/16"
		15'0"	12"	85 to 100	61'3-3/8"	396'0-11/16"	7-1/2"	44'4-11/16"	44'1-15/16"