

Elevation by Railroad

Limited to Elevations about 5,000 ft.

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Historic Railroad Name	Location-Country, State, Place Name-City			Elev (Feet)	Length (Feet)	Grade %	In Service	Facility Type
Alamogordo & Sacramento	NM	Alamogordo	Cox Canyon Branch	8,600		7.3%		Branch, Route Name -
Alamogordo & Sacramento	NM	Cloudcroft	Cox Canyon Switchback	8,600		5.2%		Track: Switchback -
Alamogordo & Sacramento	NM	Cloudcroft	Cox Canyon Bridge (Mexican	8,600	300	5.2%	1899	Bridge- Historic Site
Alamogordo & Sacramento	NM	Cloudcroft		9,600				Industry: Hotel, Railroad
Albula Railway (Glacier Express)	Switzer	Bergun (Preda)	Albula Tunnel	5,970	19,242		1904	Tunnel 19,242 Feet long
Apex & Gregory Wagon Road (Toll	CO	Arapahoe	One of the earliest Gold mines	5,610			1861	Industry: Mine (Copper,
Argentine & Grays Peak Railway	CO	Mt. McClellan	Mt. McClellan-terminus of the	13,117		6.0%		City Overview - 6.0%
Argentine & Grays Peak Railway	CO	Mt. McClellan		13,110		6.6%		Track: Switchback -
Argentine Central Railway	CO	Mt. McClellan		13,110		6.6%		Track: Switchback -
Argentine Central Railway	CO	Silver Plume	Mt. McClellan	13,117		6.0%	1906	Track: Grade- Historic
Argentine Central Railway	CO	Waldorf	Waldorf Snowshed (Mining	11,666				Snowshed
Atchison, Topeka & Santa Fe	AZ	Ash Fork		5,650				City Overview
Atchison, Topeka & Santa Fe	AZ	Hillside	Peavine Line (Phoenix	8,200				City Overview
Atchison, Topeka & Santa Fe	AZ	Williams	Crookton Cutoff	7,041			1961	Branch, Route Name
Atchison, Topeka & Santa Fe	CO	Palmer Lake		7,237				City Overview
Atchison, Topeka & Santa Fe	CO	Trinidad		6,025			1878	City Overview
Atchison, Topeka & Santa Fe	NM	Glorieta	Glorieta Pass	7,453		3.2%	1879	Track: Grade - 3.2%
Atchison, Topeka & Santa Fe	NM	Glorieta		7,421		3.2%	1908	Station: Depot - 3.2%
Atchison, Topeka & Santa Fe	NM	Las Vegas		6,392			1899	Station: Depot- Historic
Atchison, Topeka & Santa Fe	NM	Mountainair		6,470			1903	Station: Depot
Atchison, Topeka & Santa Fe	NM	Mountainair	Abo Pass	6,508		1.2%	1863	Track: Grade - 1.2%
Atchison, Topeka & Santa Fe	NM	Raton	Raton Pass	7,622		6.0%	1878	Track: Grade- Historic
Atchison, Topeka & Santa Fe	NM	Raton	Raton Tunnel	7,588	2,600		1879	Tunnel 2,600 Feet long
Atchison, Topeka & Santa Fe	NM	Raton	Raton Pass Tunnel at Colorado	7,834				Tunnel
Atchison, Topeka & Santa Fe	NM	Silver City	Chloride Flats Mining District	5,900			1879	Industry: Mine (Copper,
Atchison, Topeka & Santa Fe	NM	Socorro County	Abo Canyon/Abo Pass (Belen	5,771			1908	Track: Grade
Atchison, Topeka & Santa Fe	NM	Thoreau	Campbell Pass	7,244			1882	Track: Grade
Bernina Railway (Berninabahn)	Switzer	Poschiavo	Bernina Pass	7,392				Track: Grade
Bodie & Benton Railway	CA	Bodie (Willow		8,500				City Overview
Canadian Pacific Railway	Canada	AB Jasper	Kicking Horse Pass Big Hill	5,340	42,240	4.5%	1884	Track: Grade - 4.5%
Canadian Pacific Railway	Canada	AB Jasper	Kicking Horse Pass (current	5,340		2.2%	1909	Track: Grade- Historic
Carson & Colorado Railroad	CA	Bodie	Mt. Montgomery Pass	7,138	247	2.3%	1883	Track: Grade - 2.3%
Carson & Colorado Railroad	CA	Keeler	Montgomery Pass	7,100	247	2.8%	1883	Track: Grade - 2.8%
Carson & Colorado Railroad	NV	Mt. Montgomery	Mt. Montgomery Pass	7,138		3.0%		Track: Grade - 3.0%
Carson & Colorado Railroad	NV	Mt. Montgomery	Mt. Montgomery Tunnel	7,000	247			Tunnel
Central Pacific Railroad	CA	Emigrant Gap	Emigrant Gap	5,187		2.4%		Track: Grade - 2.4%
Central Pacific Railroad	CA	Norden	Norden	6,891		1.9%	1861	Track: Grade - 1.9%
Central Pacific Railroad	CA	Norden	Donner Pass	6,887	211,200			Snowshed 211,200 Feet
Central Pacific Railroad	CA	Norden	Summit Tunnel Donner Pass	7,000	1,659		1867	Tunnel
Cerro de Pasco	Peru	Cerro de Pasco		14,210				City Overview
Chicago, Burlington & Quincy	SD	Dumont		6,410				City Overview
Chicago, Burlington & Quincy	SD	Dumont	High Line	6,155				Track: Grade
Chicago, Burlington & Quincy	SD	Edgemont	High Line (Edgemont-	6,240		3.0%		Branch, Route Name -
Chicago, Milwaukee, St. Paul &	MT	Butte	Pipestone Tunnel	6,347	2,290		1909	Tunnel
Chicago, Milwaukee, St. Paul &	MT	Penfield	Pipestone Pass	6,347		2.0%	1909	Track: Grade - 2.0%
Colorado & Northwestern Railway	CO	Ward		9,449				Station: Depot
Colorado & Southern Railway	CO	Climax		11,390			1898	City Overview
Colorado & Southern Railway	CO	Climax		11,318				Station: Depot
Colorado & Southern Railway	CO	Leadville	Leadville Historic District	10,152			1880	City Overview- Historic
Colorado Central Railroad	CO	Georgetown	Argentine Pass Silver mines	8,530			1859	Industry: Mine (Copper,
Colorado Central Railroad	CO	Georgetown		8,530			1870	City Overview- Historic
Colorado Midland Railroad	CO	Busk	Busk-Ivanho Tunnel (Carlton	10,953	9,394	1.6%	1890	Tunnel - 1.6% Grade
Colorado Midland Railroad	CO	Carlton	Busk-Ivanho Tunnel (Carlton	10,953	9,394		1884	Tunnel 9,394 Feet long
Colorado Midland Railroad	CO	Divide	Ute Pass	9,165		4.0%	1887	Track: Grade - 4.0%
Colorado Midland Railroad	CO	Leadville	Hagerman Pass (High Line)	11,530	2,060	4.0%	1886	Track: Grade - 4.0%
Colorado Midland Railroad	CO	Leadville	Hagerman Tunnel (Cooke Pass)	11,500	2,060	3.0%	1886	Tunnel - 3.0% Grade
Colorado Midland Railroad	CO	Leadville	Hagerman Pass Trestle	11,530	1,084	4.0%	1886	Bridge - 4.0% Grade

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Historic Railroad Name	Location-Country, State, Place Name-City	Elev (Feet)	Length (Feet)	Grade %	In Service	Facility Type	
Colorado Midland Railroad	CO Leadville	Hagerman Pass Snowsheds	11,530	2,060	4.0%	1886	Snowshed - 4.0% Grade
Colorado Midland Railroad	CO Leadville	Hagerman Pass Loops	11,528				Track: Horseshoe Curve
Colorado Springs & Cripple Creek	CO Goldfield	Goldfield Mining History	9,901				Industry: Mine (Copper,
Cumbres & Toltec Scenic Railroad	CO Cumbres	Cumbres Pass	10,015		5.8%		Track: Grade- Historic
Denver & Rio Grande Railroad	CO Alamosa	Wagon Wheel Gap	8,500			1883	Branch, Route Name
Denver & Rio Grande Railroad	CO Antonito	San Juan Extension	10,022		4.0%	1881	Branch, Route Name-
Denver & Rio Grande Railroad	CO Antonito		7,868			1880	City Overview
Denver & Rio Grande Railroad	CO Antonito	Santa Fe Branch (Chili Line)	7,000			1887	Branch, Route Name
Denver & Rio Grande Railroad	CO Canon City		5,344				City Overview
Denver & Rio Grande Railroad	CO Castle Rock	Castle Rock Depot	6,218			1875	Station: Depot- Historic
Denver & Rio Grande Railroad	CO Cimarron	D&RGW Locomotive #278 &	7,960		4.0%	1882	Rolling Stock/
Denver & Rio Grande Railroad	CO Colorado		6,035				City Overview
Denver & Rio Grande Railroad	CO Creede	Amethyst (Big) Mine, Last	10,000			1887	Industry: Mine (Copper,
Denver & Rio Grande Railroad	CO Crested Butte	Floresta Branch (Ruby-	10,000			1893	Branch, Route Name
Denver & Rio Grande Railroad	CO Crested Butte	Floresta Mine (Ruby mine)	10,000			1893	Industry: Mine (Copper,
Denver & Rio Grande Railroad	CO Crested Butte	Kebler Pass Floresta Mine	10,007			1893	Track: Grade
Denver & Rio Grande Railroad	CO Cuchara	Cuchara Junction	5,942				Junction point-RR
Denver & Rio Grande Railroad	CO Cumbres	Cumbres Pass	10,015		5.8%	1880	Track: Grade- Historic
Denver & Rio Grande Railroad	CO Cumbres	Cumbres Pass	10,015		5.8%		Snowshed - 5.8% Grade
Denver & Rio Grande Railroad	CO Cumbres	Cumbres Pass	10,015			1870	Track: Grade
Denver & Rio Grande Railroad	CO Denver	Union Station	5,198			1881	Station: Union Station-
Denver & Rio Grande Railroad	CO Durango		6,520			1882	City Overview
Denver & Rio Grande Railroad	CO Florence		5,199			1870	City Overview
Denver & Rio Grande Railroad	CO Floresta	Crested Butte Branch	10,000			1893	Branch, Route Name
Denver & Rio Grande Railroad	CO Gilman (Minturn)		8,950			1879	City Overview (Mining)
Denver & Rio Grande Railroad	CO Glenwood		5,857				City Overview
Denver & Rio Grande Railroad	CO Gunnison		7,683			1881	City Overview
Denver & Rio Grande Railroad	CO Husted		6,596				Station: Depot
Denver & Rio Grande Railroad	CO La Veta	La Veta Railroad Depot	9,400			1877	Station: Depot- Historic
Denver & Rio Grande Railroad	CO La Veta	Muleshoe Bend (Mule Shoe	9,300		4.0%	1870	City Overview - 4.0%
Denver & Rio Grande Railroad	CO La Veta	La Veta Pass (Muleshore	9,242		4.0%	1877	Track: Grade - 4.0%
Denver & Rio Grande Railroad	CO Lake City	Golden Fleece Mine and others	12,000				Industry: Mine (Copper,
Denver & Rio Grande Railroad	CO Lake City		8,686			1889	City Overview
Denver & Rio Grande Railroad	CO Larkspur		6,668				Station: Depot
Denver & Rio Grande Railroad	CO Leadville	Resurrection Mill	10,331			1900	Industry: Mine (Copper,
Denver & Rio Grande Railroad	CO Leadville		10,200			1880	City Overview
Denver & Rio Grande Railroad	CO Leadville		10,200				Track: Switchback
Denver & Rio Grande Railroad	CO Leadville		10,200				Terminal: Freight Depot
Denver & Rio Grande Railroad	CO Leadville	Leadville Mining District	10,152			1860	City Overview (Mining)
Denver & Rio Grande Railroad	CO Leadville	IBEX Branch	11,500			1898	Branch, Route Name
Denver & Rio Grande Railroad	CO Manitou Springs		6,324			1870	Station: Depot
Denver & Rio Grande Railroad	CO Marshall Pass/	Marshall Pass	10,856		4.0%	1881	Track: Grade - 4.0%
Denver & Rio Grande Railroad	CO Marshall Pass/	Marshall Pass (Saguache	10,820		4.0%	1881	Snowshed - 4.0% Grade
Denver & Rio Grande Railroad	CO Marshall Pass/	Marshall Pass (Gunnison	10,820		4.0%	1881	Engine: Roundhouse -
Denver & Rio Grande Railroad	CO Marshall Pass/	Marshall Pass Depot	10,820		4.0%	1881	Station: Depot - 4.0%
Denver & Rio Grande Railroad	CO Mears Junction	San Luis Branch	7,500			1881	Branch, Route Name
Denver & Rio Grande Railroad	CO Minturn	Tennessee Pass	10,221		3.0%	1887	City Overview - 3.0%
Denver & Rio Grande Railroad	CO Minturn	Tennessee Pass	10,223		3.0%	1887	Track: Grade - 3.0%
Denver & Rio Grande Railroad	CO Minturn		7,825			1886	City Overview
Denver & Rio Grande Railroad	CO Monarch		10,028		4.5%		City Overview - 4.5%
Denver & Rio Grande Railroad	CO Monarch	Monarch Mine Load out	10,090				Industry: Dock: Ore or
Denver & Rio Grande Railroad	CO Monarch	Monarch Branch	10,090			1883	Branch, Route Name
Denver & Rio Grande Railroad	CO Monarch	Monarch Branch Switchbacks	10,090			1883	Track: Switchback
Denver & Rio Grande Railroad	CO Monarch/Garfield	Monarch Pass	10,028		4.8%		Track: Switchback -
Denver & Rio Grande Railroad	CO Montrose		5,811			1870	City Overview
Denver & Rio Grande Railroad	CO Monument		6,972			1872	Station: Depot
Denver & Rio Grande Railroad	CO Ouray		7,792			1887	City Overview

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Denver & Rio Grande Railroad	CO Palmer Lake	7,237				Station: Depot
Denver & Rio Grande Railroad	CO Ponca Springs	7,464			1880	City Overview (Mining)
Denver & Rio Grande Railroad	CO Poncha Junction Monarch Pass (Poncha Pass	9,000		4.8%	1881	Track: Grade - 4.8%
Denver & Rio Grande Railroad	CO Poncha Springs Poncha Pass	9,000				Track: Grade
Denver & Rio Grande Railroad	CO Roswell	6,087				Station: Depot
Denver & Rio Grande Railroad	CO Salida Poncha Pass	9,000				Branch, Route Name
Denver & Rio Grande Railroad	CO Salida Tennessee Pass	10,200		3.5%	1887	Branch, Route Name -
Denver & Rio Grande Railroad	CO Salida Marshall Pass Line	10,820			1881	Branch, Route Name
Denver & Rio Grande Railroad	CO Salida Tennessee Pass	10,500		3.5%	1881	Track: Grade - 3.5%
Denver & Rio Grande Railroad	CO Salida	7,050			1881	City Overview
Denver & Rio Grande Railroad	CO Salida (Mears) Valley Line (D&RG)	9,010			1881	Branch, Route Name
Denver & Rio Grande Railroad	CO Sedalia	5,835			1871	Station: Depot
Denver & Rio Grande Railroad	CO Shirley Shirley Horseshoe Curve	10,820		4.0%	1881	Track: Horseshoe Curve
Denver & Rio Grande Railroad	CO Shirley Shirley Switchbacks	10,820		4.0%	1881	Track: Switchback -
Denver & Rio Grande Railroad	CO Silverton Silverton National Historic Site	9,318			1882	City Overview- Historic
Denver & Rio Grande Railroad	CO South Fork D&RG South Fork Water Tank	8,188			1881	Engine: Water Tank-
Denver & Rio Grande Railroad	CO South Fork Creede Branch	8,188	120,384		1883	Branch, Route Name-
Denver & Rio Grande Railroad	CO Uptop (La Veta)	9,382			1877	Station: Depot
Denver & Rio Grande Railroad	CO Wagon Wheel	8,449			1883	City Overview
Denver & Rio Grande Railroad	CO Walsenburg La Veta Pass (original line)	9,242		4.0%	1877	Branch, Route Name -
Denver & Rio Grande Railroad	CO Walsenburg La Veta Pass	9,393		4.0%	1877	Track: Grade - 4.0%
Denver & Rio Grande Railroad	CO Walsenburg	6,187				City Overview
Denver & Rio Grande Railroad	NM Azotea (Chama) Azotea Pass	7,773			1880	Track: Grade
Denver & Rio Grande Railroad	NM Chama	7,863			1880	City Overview- Historic
Denver & Rio Grande Railroad	NM Chama	7,863			1880	1st RR to this city-
Denver & Rio Grande Railroad	UT Helper Soldier Summit	7,477				City Overview
Denver & Rio Grande Railroad	UT Park City Park City Branch	6,970			1870	City Overview
Denver & Rio Grande Railroad	UT Summit	7,440				Track: Grade
Denver & Rio Grande Western	CO Acequia	5,533				Station: Depot
Denver & Rio Grande Western	CO Alamosa	9,242			1920	Station: Depot
Denver & Rio Grande Western	CO Aspen	7,890			1887	City Overview
Denver & Rio Grande Western	CO Burnham Burnham	5,241				Station: Depot
Denver & Rio Grande Western	CO Buttes	5,385				Station: Depot
Denver & Rio Grande Western	CO Douglas	6,328				Station: Depot
Denver & Rio Grande Western	CO Fountain	5,577				Station: Depot
Denver & Rio Grande Western	CO Glade	6,508				Station: Depot
Denver & Rio Grande Western	CO Greenland	6,919				Station: Depot
Denver & Rio Grande Western	CO Littleton	5,372			1875	Station: Depot- Historic
Denver & Rio Grande Western	CO Louviers	5,675				Station: Depot
Denver & Rio Grande Western	CO Military Junction Military Junction	5,329				Station: Depot
Denver & Rio Grande Western	CO Pinon	5,038				Station: Depot
Denver & Rio Grande Western	CO Plateau	6,029				Station: Depot
Denver & Rio Grande Western	CO Wigwam	5,232				Station: Depot
Denver & Rio Grande Western	UT Helper Soldier Summit	7,440		2.4%	1920	Track: Grade - 2.4%
Denver & Rio Grande Western	UT Helper Soldier Summit Yard (Helper	7,477				Yard
Denver & Salt Lake Railway	CO Baltimore (East) Moffat Tunnel	9,239	32,253	2.0%	1928	Tunnel- Historic Site
Denver & Salt Lake Railway	CO Corona Rollins Pass Snowsheds	11,700		4.0%	1904	Snowshed - 4.0% Grade
Denver & Salt Lake Railway	CO Tabernash	8,550			1913	Engine: Roundhouse
Denver & Salt Lake Railway	CO Tabernash	8,550			1913	Engine: Coaling Tower
Denver & Salt Lake Railway	CO Tabernash Tabernash Yard	8,550			1913	Yard
Denver, Northwestern & Pacific	CO Corona Rollins Pass Snowsheds	11,700		4.0%	1904	Snowshed - 4.0% Grade
Denver, Northwestern & Pacific	CO Corona	11,700	121,440	4.0%	1904	Station: Depot - 4.0%
Denver, Northwestern & Pacific	CO Corona Riflesight Notch Loop	11,676				Track: Horseshoe Curve
Denver, Northwestern & Pacific	CO Eldora (Ward) Hill Route: Rollinsville &	9,449				Branch, Route Name-
Denver, Northwestern & Pacific	CO Rollinsville Rollins Pass (Corona Pass)	11,700	121,440	4.0%	1904	Track: Grade - 4.0%
Denver, Northwestern & Pacific	CO Rollinsville Hill Route (Rollinsville &	11,676				Branch, Route Name-
Denver, Northwestern & Pacific	CO Rollinsville Moffat Road	11,600		4.0%		Branch, Route Name -

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Denver, Northwestern & Pacific	CO	Rollinsville	Rollins Pass	11,700	121,440	4.0%	1904	Track: Switchback -
Denver, Northwestern & Pacific	CO	Rollinsville	Rollins Pass (Corona Pass)	11,676		4.0%	1904	Branch, Route Name-
Denver, Northwestern & Pacific	CO	Tabernash		8,550		4.0%	1905	City Overview - 4.0%
Denver, South Park & Pacific	CO	Boreas		11,500			1886	Station: Depot- Historic
Denver, South Park & Pacific	CO	Boreas Pass		11,493				Engine: Enginehouse
Denver, South Park & Pacific	CO	Boreas Pass		11,493			1882	Station: Depot- Historic
Denver, South Park & Pacific	CO	Boreas Pass		11,493				Snowshed
Denver, South Park & Pacific	CO	Boreas Pass	Boreas Pass (originally	11,493		4.0%	1882	City Overview - 4.0%
Denver, South Park & Pacific	CO	Boreas Pass	Boreas Pass	11,498			1882	Engine: Roundhouse-12
Denver, South Park & Pacific	CO	Buena Vista		7,968			1880	City Overview
Denver, South Park & Pacific	CO	Climax	Fremont Pass	11,300			1883	Track: Grade
Denver, South Park & Pacific	CO	Climax	Fremont Pass Snowshed	11,300			1883	Snowshed
Denver, South Park & Pacific	CO	Como	Boreas Pass	11,482		4.0%	1882	Track: Grade - 4.0%
Denver, South Park & Pacific	CO	Como	Como: Division HQ, Depot &	9,796			1881	City Overview- Historic
Denver, South Park & Pacific	CO	Como	High LIne (Como-Boreas Pass-	11,493		4.5%	1884	Branch, Route Name -
Denver, South Park & Pacific	CO	Como	Como Roundhouse	9,796			1881	Engine: Roundhouse-19
Denver, South Park & Pacific	CO	Como	South Park Hotel (previously	9,796			1881	Industry: Hotel,
Denver, South Park & Pacific	CO	Como		11,498		4.0%	1879	Station: Depot- Historic
Denver, South Park & Pacific	CO	Como		9,813			1879	City Overview
Denver, South Park & Pacific	CO	Dickey (Dillon)		9,000			1884	Engine: Enginehouse
Denver, South Park & Pacific	CO	Dickey (Dillon)		9,004			1884	City Overview
Denver, South Park & Pacific	CO	Dickey (Dillon)		9,000			1884	Engine: Coaling Tower
Denver, South Park & Pacific	CO	Dickey (Dillon)		9,000			1884	Engine: Water Tank
Denver, South Park & Pacific	CO	Dillon	Boreas Pass Snowsheds	11,482		4.0%	1882	Snowshed - 4.0% Grade
Denver, South Park & Pacific	CO	Hancock		11,027			1881	City Overview
Denver, South Park & Pacific	CO	Hancock		11,027				Track: Wye
Denver, South Park & Pacific	CO	Hancock		11,027				Station: Depot
Denver, South Park & Pacific	CO	Hancock		11,027			1881	Engine: Water Tank
Denver, South Park & Pacific	CO	Hartsel	Trout Creek Pass	9,346		5.0%		Track: Grade - 5.0%
Denver, South Park & Pacific	CO	Leadville		10,430			1893	Station: Depot
Denver, South Park & Pacific	CO	Littleton	Platte Canyon	9,130				Track: Grade
Denver, South Park & Pacific	CO	Nathrop		7,710				City Overview
Denver, South Park & Pacific	CO	Nathrop		7,710				Station: Depot
Denver, South Park & Pacific	CO	St. Elmo	Alpine Tunnel	11,612	1,772	4.0%	1881	Tunnel- Historic Site
Denver, South Park & Pacific	CO	St. Elmo (Pitkin)	Alpine Tunnel Snowshed	11,612	1,772	4.0%	1881	Snowshed- Historic Site
Denver, South Park & Pacific	CO	Waterton	Platte Canyon Pass	10,000		7.0%		Track: Grade - 7.0%
Denver, South Park & Pacific	CO	Webster	Kenosha Pass	9,990		7.0%	1879	Track: Grade - 7.0%
Denver, South Park & Pacific	CO	Webster	Kenosha Pass Station (site)	9,990			1879	Station: Pssgr+Frt
Denver, South Park & Pacific	CO	Webster	Kenosha Pass Wye	9,990			1879	Track: Wye- Historic
Echo & Park City Railway	UT	Echo		5,777				Junction point-RR-
El Paso & Northeastern Railway	NM	Cloudcroft		8,600			1900	City Overview
El Paso & Southwestern Railroad	NM	Nogal	El Paso And Southwestern	7,200			1908	Miscellaneous
Emigration Canyon Railroad	UT	Pinecrest		7,000		8.0%		Track: Switchback -
Ferrocarril Central Andino	Peru	Galera		15,869	3,860		1893	Station: Depot 3,860
Ferrocarril Central Andino	Peru	La Cima		15,850				City Overview
Ferrocarril Central Andino	Peru	Ticlio		15,806			1872	Track: Grade
Ferrocarril Central Andino	Peru	Ticlio	Galera Tunnel	15,860	3,855			Tunnel 3,855 Feet long
Ferrocarril Central del Perú	Peru	Galera		15,869	3,860			City Overview 3,860
Ferrocarril de Veracruz al Istmo	Mexico	Papaloapam	Papaloapam River Bridge	7,340	1,100		1904	Bridge
Ferrocarril del Chihuahua Al	Mexico	Creel	Copper Canyon	8,000		2.5%		Track: Grade - 2.5%
Ferrocarril Mexicano (Compania	Mexico	Paso del Macho		8,045		4.7%		Track: Grade - 4.7%
Ferrocarriles Nacionales de	Mexico	Salazar	Salazar Summit	10,018				Track: Grade
Florence & Cripple Creek Railroad	CO	Cripple Creek	Cripple Creek Historic District	9,494			1894	City Overview- Historic
Florence & Cripple Creek Railroad	CO	Cripple Creek	Gold Mines: Washburn,	9,484			1894	City Overview (Mining)
Florence & Cripple Creek Railroad	CO	Cripple Creek	Cripple Creek Historic District	9,494			1894	City Overview- Historic
Furka-Oberalp Bahn (FO) (Brig-	Switzer	Graubünden/Uri	Oberalp Pass	6,706				Track: Grade
Furka-Oberalp Bahn (FO) (Brig-	Switzer	Oberwald, Valais	Furka Base Tunnel	7,090	50,548		1982	Tunnel 50,548 Feet long

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Furka-Oberalp Bahn (FO) (Brig-Gilmore & Pittsburgh Railroad Co,	Switzer	Valais	Furka Summit Tunnel	7,090	6,096		1926 Tunnel 6,096 Feet long
Gornergrat Bahn (the	Switzer	Dillon	Bannock Pass & Tunnel	7,575	600		1910 Track: Grade
Great Northern Railroad	MT	Gornergrat-		10,135	15.7%	1898	City Overview - 15.7%
Great Northern Railroad	MT	Butte	Elk Park Pass	6,365		1888	Track: Grade
Great Northern Railroad	MT	Essex	Marias Pass	5,213	1.8%	1893	Track: Grade - 1.8%
Great Northern Railroad	MT	Summit	Summit Station (Marias Pass)	5,215			Station: Depot
Guayaquil & Quito Railway	Ecuado	Guayaquil,	Devil's Nose	11,841	5.5%		Track: Grade - 5.5%
Guayaquil & Quito Railway	Ecuado	Quito	Devil's Nose	9,350			Station: Depot
Guayaquil & Quito Railway	Ecuado	Urbina		12,000			Station: Depot
Hetch Hetchy Railroad	CA	Hetch Hetchy	Poopenaut Pass	5,064	4.5%		Track: Grade - 4.5%
Jungfrau Railway (Jungfraubahn)	Switzer	Jungfrauoch		11,332	25.0%		Station: Depot - 25.0%
Kansas Pacific Railway	CO	Denver		5,280		1870	City Overview
Laramie, Hahn's Peak & Pacific	WY	Fox Park		9,058			City Overview
Little Cottonwood Transportation	UT	Alta	Little Cottonwood	10,550	10.8%		City Overview - 10.8%
Manitou & Pike's Peak Railroad	CO	Pikes Peak		14,100	25.0%	1888	City Overview - 25.0%
Montana Railroad (1894)	MT	Ringling	Belt Mountains line	5,793	1.0%	1897	Track: Grade - 1.0%
Mt. Manitou Incline (Mt. Manitou	CO	Manitou Springs		9,000	69.0%		City Overview - 69.0%
Mt. Washington Cog Railway (Mt. Nevada-California-Oregon	NH	Mt. Washington	Mt. Washington & Cog Railway	6,288	16,000	37.0%	Track: Grade - 37.0%
New Mexico & Southern Pacific	CA	Reno Junction		5,011			City Overview
Nilgiri Mountain Railway	NM	Raton	Raton Pass (1878 line)	7,834	6.0%	1878	Track: Switchback -
Northern Pacific Railroad	India	Coonoor (in		6,070			Engine/Car Repair
Northern Pacific Railroad	MT	Butte	Homestake Pass	6,356	2.2%	1888	Track: Grade - 2.2%
Northern Pacific Railroad	MT	Butte	Homestake Tunnel	6,356	682	1890	Tunnel
Northern Pacific Railroad	MT	Helena	Mullan Pass & Tunnel	5,548	5,280	2.2%	1883 Tunnel - 2.2% Grade
Northern Pacific Railroad	MT	Helena	Mullan Pass	5,566	2.2%	1883	Track: Grade - 2.2%
Northern Pacific Railroad	MT	Helena	Mullan Tunnel	5,566	3,896	1883	Tunnel 3,896 Feet long
Northern Pacific Railroad	MT	Helena	Mullan Pass Switchbacks	5,566			Track: Switchback
Northern Pacific Railroad	MT	Livingston	Bozeman Tunnel	5,565	3,500	1.9%	1883 Tunnel - 1.9% Grade
Northern Pacific Railroad	MT	Livingston	Bozeman Pass	5,600	1.8%	1883	Track: Grade - 1.8%
Northern Pacific Railroad	MT	Livingston	Bozeman Pass switchback line	5,562	4.0%	1883	Track: Switchback -
Northern Pacific Railroad	MT	Livingston	Bozeman Tunnel #2	5,562	3,000	1.9%	1945 Tunnel - 1.9% Grade
Northern Pacific Railroad	MT	Logan	Homestake Pass Line	6,329		1888	Branch, Route Name
Oregon Short Line Railroad (1897)	UT	Silver City		6,930	4.0%	1897	Industry: Mine (Copper,
Pacific Great Eastern Railway	Canada	BC	Nakusp (Summit	7,838			Track: Grade
PeruRail	Peru	La Raya	Pine Pass	14,150			City Overview
Qingzang Railway (Qinghai-	China	Guanjiao	New Guanjiao Tunnel	11,086	106,709	2014	Tunnel 106,709 Feet
Qingzang Railway (Qinghai-	China	Qinghai	Fenghuoshan tunnel	16,093	4,390		Tunnel 4,390 Feet long
Qingzang Railway (Qinghai-	China	Tanggula	Xining-Golmud-Lhasa Line	16,627		2006	Track: Grade
Qingzang Railway (Qinghai-	China	Tanggula	Tanggula (Dangla) Railway	16,627		2006	Station: Depot
Qingzang Railway (Qinghai-	China	Zadoi County,	Fenghuoshan railway tunnel	16,093	4,390		Tunnel 4,390 Feet long
Rio Grande & Southwestern	NM	Lumberton	Hillcrest Pass	7,714		1903	Track: Grade
Rio Grande Southern Railway	CO	Dallas Divide		8,970	4.0%		City Overview - 4.0%
Rio Grande Southern Railway	CO	Dolores		6,957			Station: Depot
Rio Grande Southern Railway	CO	Dolores		6,957			Engine: Enginehouse
Rio Grande Southern Railway	CO	Lizard Head Pass	Lizard Head Pass	10,222	3.0%	1891	Track: Grade - 3.0%
Rio Grande Southern Railway	CO	Lizard Head Pass		10,250			City Overview
Rio Grande Southern Railway	CO	Lizard Head Pass	Lizard Head Pass Snowsheds	10,250	1,549		Snowshed
Rio Grande Southern Railway	CO	Ophir	Ophir Loop & Trestle	10,250	3.0%		Track: Grade - 3.0%
Rio Grande Southern Railway	CO	Ophir	Trout Lake Water Tank	9,802		1891	Engine: Water Tank-
Rio Grande Southern Railway	CO	Ophir		10,250		1889	Station: Depot
Rio Grande Southern Railway	CO	Ophir	Ophir Loop	10,250	3.0%	1889	Track: Horseshoe Curve
Rio Grande Southern Railway	CO	Ophir	Ophir Loop Trestle (Butterfly	9,096	338	1889	Bridge
Rio Grande Southern Railway	CO	Telluride		8,756		1890	Station: Pssgr+Frt
Rio Grande Southern Railway	CO	Telluride		8,756		1890	City Overview- Historic
Rio Grande Southern Railway	CO	Telluride		8,756		1890	Engine: Water Tank
Rio Grande Southern Railway	CO	Trout Lake		9,802		1891	City Overview
Rio Grande Southern Railway	CO	Trout Lake	Trout Lake Watertank	9,802		1891	Engine: Water Tank-

Elevation by Railroad

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Historic Railroad Name	Location-Country, State, Place Name-City	Elev (Feet)	Length (Feet)	Grade %	In Service	Facility Type
Rio Grande Southern Railway	CO Vance Junction	8,116			1890	City Overview
Rio Grande Southern Railway	IN Lake Cicott	9,802			1891	Station: Depot
Rio Grande Western Railway	UT Heber	5,550			1899	City Overview
Salt Lake & Western Railway	UT Tintic Tintic Mining District	5,791			1882	City Overview
San Pedro, Los Angeles & Salt	NV Crestline	6,011		1.6%		Track: Grade - 1.6%
Santa Fe, Prescott & Phoenix	AZ Ashfork Peavine Line (Phoenix)	8,200		3.0%	1892	Branch, Route Name -
Santa Fe, Prescott & Phoenix	AZ Prescott	5,367			1907	City Overview
Silverton Northern Railroad	CO Eureka Eureka Mining History and	9,862			1896	Industry: Mine (Copper,
Silverton Railroad (Red Mountain	CO Ironton/Red Guston Mine to Ironton	11,110				Track: Switchback
Silverton Railroad (Red Mountain	CO Red Mountain Red Mountain Pass	11,113			1888	Track: Grade
Silverton Railroad (Red Mountain	CO Red Mountain	11,110			1887	City Overview
Southern Pacific Railroad	CA Emigrant Gap Emigrant Gap Snowshed and	5,187				Snowshed
Southern Pacific Railroad	CA Emigrant Gap Emigrant Gap Snowshed and	5,187				Engine: Roundhouse
Southern Pacific Railroad	CA Grass Lake	5,122				Yard
Southern Pacific Railroad	CA Placer Donner Pass Tunnels (Summit	7,085		2.2%		Tunnel - 2.2% Grade
Southern Pacific Railroad	CA Placer Donner Pass	7,085		2.8%		Track: Grade - 2.8%
Southern Pacific Railroad	CA Truckee	5,825			1891	Station: Depot- Historic
Southern Pacific Railroad	CA Truckee	5,825			1890	Terminal: Freight Depot-
Southern Pacific Railroad	NM Corona	6,726				Terminal: Freight Depot
Southern Pacific Railroad	NM Vaughn	5,952			1905	City Overview
Southern Pacific Railroad	OR Chemult Pengra Pass	5,000				Track: Grade
Uintah Railway (Unitah Ry)	CO Atchee Baxter Pass	8,400		7.5%		Track: Grade - 7.5%
Union Pacific Railroad	MT West Reas Pass	6,934			1905	Track: Grade
Union Pacific Railroad	NV Valley Pass	6,075				Track: Grade
Union Pacific Railroad	NV Wendover Arnold's Loop	5,600		3.0%	1914	Track: Horseshoe Curve
Union Pacific Railroad	UT Echo	5,777				City Overview- Historic
Union Pacific Railroad	UT Lynndyl	6,061				Track: Grade
Union Pacific Railroad	UT Wahsatch Wahsatch Station (Wasatch	6,800		1.1%		Track: Grade - 1.1%
Union Pacific Railroad	WY Borie	6,560				City Overview
Union Pacific Railroad	WY Buford	7,920			1866	City Overview
Union Pacific Railroad	WY Cheyenne	6,060				City Overview
Union Pacific Railroad	WY Cheyenne Archer Hill	6,058		0.7%		Track: Grade - 0.7%
Union Pacific Railroad	WY Dale Creek Dale Creek Trestle	8,247	720		1868	Bridge- Historic Site
Union Pacific Railroad	WY Dale Junction	7,886				Junction point-RR
Union Pacific Railroad	WY Granite	7,306				City Overview
Union Pacific Railroad	WY Harriman	7,388				City Overview
Union Pacific Railroad	WY Laramie	7,165				City Overview
Union Pacific Railroad	WY Lookout	7,184				Track: Grade
Union Pacific Railroad	WY Lynch	7,032				City Overview
Union Pacific Railroad	WY Moyer	7,032				Track: Grade
Union Pacific Railroad	WY Piedmont Altamont Tunnel	7,230	6,706		1949	Tunnel 6,706 Feet long
Union Pacific Railroad	WY Sherman Sherman Hill (Borie Cutoff)	8,014	221,760	1.6%	1903	Track: Grade - 1.6%
Union Pacific Railroad	WY Sherman Sherman Hill (1865 track	8,247		5.1%	1865	Track: Grade - 5.1%
Union Pacific Railroad	WY Sherman Sherman Hill (1953 alignment)	7,918	221,760	0.8%	1953	Track: Grade - 0.8%
Union Pacific Railroad	WY Sherman Evans Pass (original Sherman	8,262			1865	Track: Grade
Union Pacific Railroad	WY Sherman Hill	8,640			1865	City Overview
Union Pacific Railroad	WY Speer	6,414			1862	City Overview
Union Pacific Railroad	WY Speer Harriman Cutoff (Greeley	6,414			1862	Branch, Route Name
Union Pacific Railroad	WY Speer	6,414				Engine: Water Tank
Utah & Northern Railway	MT Deer Lodge Deer Lodge Pass	5,800			1881	Track: Grade
Utah & Northern Railway	MT Lima Monida Pass (Continental	6,820			1880	Track: Grade
Utah & Northern Railway	MT Lima Beaver Canyon	6,820			1880	Track: Grade
Utah & Pleasant Valley Railway	UT Tucker	7,967			1879	Track: Switchback
Virginia & Truckee Railroad (1869)	NV Reno Geiger Grade (Occidental	6,789		7.0%		Track: Grade- Historic
Western Pacific Railroad	CA Chilcoot-Vinton Beckwourth Pass	5,220			1909	Track: Grade
Western Pacific Railroad	CA Chilcoot, Chilcoot Tunel	5,221	6,001		1906	Tunnel 6,001 Feet long
Western Pacific Railroad	CA Oroville Feather River Canyon LIne	5,220		1.0%		Track: Grade - 1.0%

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Historic Railroad Name	Location-Country, State, Place Name-City			Elev (Feet)	Length (Feet)	Grade %	In Service	Facility Type
Western Pacific Railroad	NV	Elko	Flower Lake Tunnel	5,907				Tunnel
Western Pacific Railroad	NV	Elko		5,096			1911	Station: Depot
Western Pacific Railroad	NV	Hogan		5,907				City Overview
Western Pacific Railroad	NV	Hogan	Hogan tunnel (Hogan's Tunnel)	5,901			1914	Tunnel