

Steepest Grades - by Railroad

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RR Name		Location-Country, State, City, Facility name	Grade %	Elev (Feet)	Length (Feet)
Aberdeen, Carolina & Western Railroad		NC Aberdeen Sandhill Grade	2.8%		
Alamogordo & Sacramento Mountain		NM Alamogordo Cox Canyon Branch	7.3%	8,600	
Alamogordo & Sacramento Mountain		NM Cloudcroft Cox Canyon Bridge	5.2%	8,600	300
Alamogordo & Sacramento Mountain		NM Cloudcroft Cox Canyon Switchback	5.2%	8,600	
Alaska Railroad		AK Seward Bartlett Glacier MP 48.2	3.0%		
Argentine & Grays Peak Railway		CO Mt. McClellan Mt. McClellan-terminus	6.0%	13,117	
Argentine & Grays Peak Railway		CO Mt. McClellan	6.6%	13,110	
Argentine Central Railway		CO Mt. McClellan	6.6%	13,110	
Argentine Central Railway		CO Silver Plume Mt. McClellan	6.0%	13,117	
Arizona Southern Railroad		AZ Pima (Silver Bell Mining)	3.4%		
Atchison, Topeka & Santa Fe Railway		CA Cajon Cajon Pass and	3.0%	3,820	
Atchison, Topeka & Santa Fe Railway		CA San Diego Miramar Hill	2.3%		
Atchison, Topeka & Santa Fe Railway		KS Moline	1.5%		
Atchison, Topeka & Santa Fe Railway		KS Reading Wakarusa Hill	1.0%		
Atchison, Topeka & Santa Fe Railway		NM Glorieta	3.2%	7,421	
Atchison, Topeka & Santa Fe Railway		NM Glorieta Glorieta Pass	3.2%	7,453	
Atchison, Topeka & Santa Fe Railway		NM Mountainair Abo Pass	1.2%	6,508	
Atchison, Topeka & Santa Fe Railway		NM Raton Raton Pass	6.0%	7,622	
Atchison, Topeka & Santa Fe Railway		TX Richland Hills Tehachacomanche Loop	4.0%		
Atlanta, Knoxville & Northern Railway		TN Ducktown (Copper Hill) Hiwassee Loop	1.5%		
Atlanta, Knoxville & Northern Railway		TN Etowah Hook & Eye Line	1.5%		
Atlantic & Pacific (Western Division)		AZ Ash Fork Johnson Canyon Tunnel	3.0%		325
Baltimore & Ohio Railroad		MD Altamont Seventeen Mile Grade	2.7%	2,628	
Baltimore & Ohio Railroad		PA Hyndman Sand Patch Grade	2.3%	2,630	89,760
Baltimore & Ohio Railroad		PA Pittsburgh Schenley Tunnel	1.4%		2,872
Baltimore & Ohio Railroad		Wv Austen Newburg Grade	2.2%		
Baltimore & Ohio Railroad		WV Rowlesburg Cheat River Grade	2.5%		
Baltimore & Ohio Railroad		WV Terra Alta (Cranberry) Cranberry Grade (Salt	2.8%		
Baltimore & Ohio Railroad		WV Tunnelton Kingwood Tunnel	2.2%	2,500	4,138
Baltimore & Potomac Railroad		MD Baltimore B&P (Baltimore &	1.3%		7,669
Bellefonte & Snow Shoe Railroad		PA Snow Shoe	4.1%		
Bernina Railway (Berninabahn)	Switzerl	Brusio Brusio Spiral Viaduct	7.0%		360
Bessemer & Lake Erie Railroad		OH Conneaut Low Line	2.0%		
British Columbia Railway (BC Rail)	Canada	BC Squamish Cheakamus Canyon	2.2%		
Buffalo & Susquehanna Railroad		PA Galeton	2.5%		
Buffalo & Susquehanna Railroad		PA Wharton	2.5%		
Burlington Northern & Santa Fe Railroad		MO Thayer Thayer North Subdivision	1.5%		
Burlington Northern & Santa Fe		WA Everett Boeing aircraft plant	5.6%		
California & Oregon Railroad		OR Portland Shasta Route (Siskiyou	3.7%		
Canadian Pacific Railway	Canada	AB Jasper Kicking Horse Pass	2.2%	5,340	
Canadian Pacific Railway	Canada	AB Jasper Kicking Horse Pass Big	4.5%	5,340	42,240
Canadian Pacific Railway	Canada	AB Jasper Spiral Tunnels	2.2%		6,240
Canadian Pacific Railway	Canada	AB Jasper Spiral Tunnels	2.2%	4,800	6,240
Canadian Pacific Railway	Canada	BC Field Stoney Creel Bridge	2.2%		600
Canadian Pacific Railway	Canada	BC Fraine (near Revelstoke) Connaught Tunnel	2.2%	3,745	26,400
Canadian Pacific Railway	Canada	BC Golden Stoney Creek Bridge	2.2%		656
Canadian Pacific Railway	Canada	BC Golden Rogers Pass	2.2%	4,364	
Canadian Pacific Railway	Canada	BC Golden Connaught Tunnel	1.0%	3,745	26,400
Carolina, Clinchfield & Ohio Railroad		NC Altapass (Spruce Pine)	1.5%		
Carolina, Clinchfield & Ohio Railroad		NC Altapass (Spruce Pine) Altapass Loops and	1.5%	2,628	1,860
Carolina, Clinchfield & Ohio Railroad		NC Altapass (Spruce Pine) Clinchfield Route	1.5%		
Carson & Colorado Railroad		CA Bodie (Bridgeport) Mt. Montgomery Pass	2.3%	7,138	247
Carson & Colorado Railroad		CA Keeler Montgomery Pass	2.8%	7,100	247
Carson & Colorado Railroad		NV Mt. Montgomery Mt. Montgomery Pass	3.0%	7,138	
Cass Scenic Railroad		WV Cass	11.0%		
Centovalli Railway - Locarno-	Italy	Masera Domodossola-Locarno	6.0%		

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RR Name			Location-Country, State, City, Facility name		Grade %	Elev (Feet)	Length (Feet)
Central Pacific Railroad		CA	Colfax (Cape Horn to Dutch	Cape Horn	2.4%		
Central Pacific Railroad		CA	Emigrant Gap	Emigrant Gap	2.4%	5,187	
Central Pacific Railroad		CA	Norden	Norden	1.9%	6,891	
Central Pacific Railroad		UT	Promotory Summit	Promontory Grade	2.2%		
Central Vermont Railway		VT	Montpelier	Montpelier Branch	5.0%		
Chesapeake & Ohio Railway		KY	Olive Hill (Corey Hill)	Corey Hill Grade	2.7%		
Chesapeake & Ohio Railway		WV	Whitesville	Seng Creek Subdivision	2.8%		
Chicago & North Western Railway		MN	Lewiston	Lewiston Hill	1.7%		
Chicago, Burlington & Quincy Railroad		IA	Burlington	Burlington Hill	1.0%		
Chicago, Burlington & Quincy Railroad		NE	Crawford	Crawford Hill	2.2%		63,360
Chicago, Burlington & Quincy Railroad		SD	Deadwood	High Line	3.0%		
Chicago, Burlington & Quincy Railroad		SD	Edgemont (Deadwood	High Line (Edgemont-	3.0%	6,240	
Chicago, Burlington & Quincy Railroad		SD	Hill City	Keystone Branch	4.0%		
Chicago, Burlington & Quincy Railroad		SD	Keystone	Keystone Branch	4.0%		
Chicago, Burlington & Quincy Railroad		SD	Keystone		4.0%	4,330	
Chicago, Burlington & Quincy Railroad		SD	Oblivion	Keystone Branch	4.0%		
Chicago, Burlington & Quincy Railroad		WY	Parkman	Parkman Hill	1.2%		
Chicago, Cincinnati & Louisville Railroad		OH	Cincinnati	Cheviot Hill	1.9%		
Chicago, Milwaukee, St. Paul & Pacific		ID	Avery	Avery Roundhouse	1.7%		
Chicago, Milwaukee, St. Paul & Pacific		ID	Avery	St. Paul Pass	1.7%	4,170	
Chicago, Milwaukee, St. Paul & Pacific		ID	Avery	Avery Yard	1.7%		
Chicago, Milwaukee, St. Paul & Pacific		ID	Roland	St. Paul Pass Tunnel (Taft	1.8%	4,169	8,771
Chicago, Milwaukee, St. Paul & Pacific		ID	Roland	Taft Tunnel	1.7%		8,771
Chicago, Milwaukee, St. Paul & Pacific		MI	Hancock	Quincy Hill	3.0%		
Chicago, Milwaukee, St. Paul & Pacific		MT	Butte	Vendome Loop	2.0%		
Chicago, Milwaukee, St. Paul & Pacific		MT	Martinsdale (Loweth)		1.4%		
Chicago, Milwaukee, St. Paul & Pacific		MT	Penfield	Pipestone Pass	2.0%	6,347	
Chicago, Milwaukee, St. Paul & Pacific		WA	Bolyston (Kittitas)	Saddle Mountain Pass	2.2%	2,460	
Chicago, Milwaukee, St. Paul & Pacific		WA	Cedar Falls	Cascade Line	1.7%		
Chicago, Milwaukee, St. Paul & Pacific		WA	Hyak	Snoqualmie Pass &	1.7%	2,564	11,890
Chicago, Milwaukee, St. Paul & Pacific		WA	Hyak	Snoqualmie Tunnel	2.8%	2,564	11,890
Chicago, Milwaukee, St. Paul & Pacific		WA	Tacoma	Tacoma Hill	3.3%		
Coal & Iron Railway		WV	Elkins	Durbin Subdivision	2.4%		
Coal & Iron Railway		WV	Glady	Shavers Mountain Tunnel	1.6%		
Coal & Iron Railway		WV	Huttonsville	Cheat Mountain Grade	2.4%		
Colorado Central Railroad		CO	Georgetown	Georgetown Loop	3.0%		
Colorado Midland Railroad		CO	Busk	Busk-Ivanho Tunnel	1.6%	10,953	9,394
Colorado Midland Railroad		CO	Divide	Ute Pass	4.0%	9,165	
Colorado Midland Railroad		CO	Leadville	Hagerman Pass Trestle	4.0%	11,530	1,084
Colorado Midland Railroad		CO	Leadville	Hagerman Pass (High	4.0%	11,530	2,060
Colorado Midland Railroad		CO	Leadville	Hagerman Pass	4.0%	11,530	2,060
Colorado Midland Railroad		CO	Leadville	Hagerman Tunnel	3.0%	11,500	2,060
Columbia & Palouse Railroad		WA	Colfax		3.0%		
Copper Belt Railroad		UT	Bingham	Copper Belt Railroad	7.0%		
Cumbres & Toltec Scenic Railroad		CO	Cumbres	Cumbres Pass	5.8%	10,015	
Dampfbahn Furka-Bergstrecke (Furka	Switzerl		Gletsch	Muttbach and the Furka	11.0%		
Death Valley Railroad		CA	Ryan	Death Valley Railroad	3.5%		
Delaware & Hudson Railway		NY	Richmondville	Richmondville Hill	1.7%		
Delaware & Hudson Railway		PA	Union Dale	Ararat Summit	1.4%		
Delaware, Lackawanna & Western		NJ	Greystone	Greystone Hill	5.0%		
Denver & Rio Grande Railroad		CO	Antonito	San Juan Extension	4.0%	10,022	
Denver & Rio Grande Railroad		CO	Cimarron	Cerro Summit - Black	4.0%		
Denver & Rio Grande Railroad		CO	Cimarron		4.0%		
Denver & Rio Grande Railroad		CO	Cimarron	D&RGW Locomotive	4.0%	7,960	
Denver & Rio Grande Railroad		CO	Cumbres	Cumbres Pass	5.8%	10,015	
Denver & Rio Grande Railroad		CO	Cumbres	Cumbres Pass	5.8%	10,015	

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Great Northern Railroad		WA Berne Cascade Tunnel	1.7%	3,380	13,700
Great Northern Railroad		WA Berne Cascade Tunnel (1900)	2.2%	3,380	13,700
Great Northern Railroad		WA Berne Cascade Tunnel (1929)	1.6%	2,880	41,200
Great Northern Railroad		WA Chumstick Chumstick Tunnel	1.5%	2,601	
Great Northern Railroad		WA Wellington Stevens Pass Tunnel	2.2%	2,880	13,183
Great Northern Railroad		WA Wellington Stevens Pass Tunnel	1.6%	2,100	
Great Northern Railroad		WA Wellington Stevens Pass Tunnel#1	1.7%	3,350	13,183
Great Northern Railroad		WA Wellington Stevens Pass	1.7%	3,350	13,183
Great Northern Railroad		WA Wellington Stevens Pass	4.0%	4,027	
Greenbrier & Elk River Railroad		WV Spruce	3.0%	4,066	
Guayaquil & Quito Railway (Devil's	Ecuador	Guayaquil, Guayas Devil's Nose	5.5%	11,841	
Hetch Hetchy Railroad		CA Hetch Hetchy Reservoir Poopenaut Pass	4.5%	5,064	
Illinois Terminal Railroad		IL Bement Bement Hump over	3.6%		
Illinois Terminal Railroad		IL Peoria Caldwell Hill	2.6%		
Illinois Traction System		MO St. Louis McKinley Bridge	1.8%		8,000
Johnstown Inclined Plane		PA Johnstown Johnstown Inclined	70.9%		896
Jungfrau Railway (Jungfraubahn)	Switzerl	Jungfrauoch	25.0%	11,332	
Kansas City Public Service Co.		MO Kansas City 8th Street Tunnel (West	8.8%		810
Kansas City, Pittsburg & Gulf Railroad		AR Mena Rich Mountain	1.5%		
Kaslo & Slocan Railway	Canada	BC Sandon	4.5%		
Kentucky Union Railway		KY Jackson (Elkatawa) Elkatawa Hill	1.0%		
Lehigh & Susquehanna Railroad		PA Ashley Ashley Planes #1 & 2	14.6%		13,020
Little Cottonwood Transportation Co		UT Alta Little Cottonwood	10.8%	10,550	
London, South Park & Leadville		CO Fairplay (Alma Junction)	5.0%		
Los Angeles & Salt Lake Railroad		CA Cima Cima Grade	2.2%		
Los Angeles & Salt Lake Railroad		CA Cima Cima Grade	2.2%	4,164	4,224
Los Angeles & Salt Lake Railroad		CA Kelso Cima Grade	2.2%		
Louisville & Nashville Railroad		AL Wilhites Sand Mountain	1.2%		
Louisville & Nashville Railroad		KY Corbin Chaska Hill Grade	1.0%		
Louisville & Nashville Railroad		KY Corbin Crooked Hill Grade	1.4%		
Louisville & Nashville Railroad		KY Corbin Kentucky Division	1.4%		
Louisville & Nashville Railroad		KY Ford Ford to Patio Grade	1.0%		
Louisville & Nashville Railroad		KY Gentry Elkatawa Hill Eastern	1.2%		
Louisville & Nashville Railroad		KY Louisville South Louisville to	1.1%		
Louisville & Nashville Railroad		KY Mary Helen Mary Helen Hill	3.0%	1,358	
Louisville & Nashville Railroad		KY Radnor Radnor to Portland	1.5%		
Louisville & Nashville Railroad		KY Sinks Lebanon branch	1.4%		
Louisville & Nashville Railroad		KY Turners Station Campbellsburg Hill	1.8%		
Louisville & Nashville Railroad		KY West Point Muldraugh Hill	1.3%		
Louisville & Nashville Railroad		TN Erin Tennessee Ridge	2.0%		
Louisville & Nashville Railroad		TN Knoxville Knoxville Division	1.1%		
Louisville & Nashville Railroad		VA Smiley (Hagans) Hagans Switchback	4.0%		
Louisville, New Albany & St. Louis		IN Georgetown Duncan Hill	2.5%		15,840
Louisville, New Albany & St. Louis		IN Georgetown Duncan Tunnel	2.9%		4,295
Madison & Indianapolis Railroad		IN Madison Madison Hill	5.9%		
Mahanoy Plane (1861-1932) (Schuylkill		PA Mahanoy Mahanoy Plane	28.0%		
Manitou & Pike's Peak Railroad		CO Pikes Peak	25.0%	14,100	
Marietta & North Georgia Railway		GA Blue Ridge Hook and Eye	2.0%		
McCloud River Railway		CA Signal Butte Signal Butte	4.5%		
Mill Valley & Mt. Tamalpais Scenic		CA Mill Valley Mt. Tamalpais Gravity	8.2%	2,500	
Missouri Pacific Railroad		LA Vidalia Vidalia-Natchez Ferry	4.0%		
Missouri Pacific Railroad		MO Carondelet Ivory Transfer	3.0%		
Missouri, Arkansas & Southern Railway		AR Winslow Boston Mountains	4.0%		
Montana Railroad (1894)		MT Ringling Belt Mountains line	1.0%	5,793	
Mt. Manitou Incline (Mt. Manitou Park		CO Manitou Springs	69.0%	9,000	
Mt. Rainier Scenic Railroad		WA Mineral	3.0%		

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Mt. Washington Cog Railway (Mt. Washington & Cog)	NH	Mt. Washington	Mt. Washington & Cog	37.0%	6,288	16,000
Nashville & Chattanooga Railroad	TN	Cowan	Cowan Hill	2.5%		
Nashville & Chattanooga Railroad	TN	Cowan	Cumberland Mountain	2.5%		2,228
Nashville, Chattanooga & St. Louis	TN	Cowan		2.5%		
Nashville, Chattanooga & St. Louis	TN	Tracy City	Tracy City Branch	3.0%		
Nashville, Chattanooga & St. Louis	TN	Tracy City		3.0%		
Natchez & Southern Railway	MS	Natchez		4.0%		
Natchez & Southern Railway	MS	Natchez		4.0%		
Nevada County Narrow Gauge Railroad	CA	Colfax	SP Freight House	2.4%	2,424	
New Mexico & Southern Pacific	NM	Raton	Raton Pass (1878 line)	6.0%	7,834	
New York & Erie Railroad (aka Erie)	NY	Deposit	Susquehanna Hill (Gulf)	1.0%	1,373	
New York & Erie Railroad (aka Erie)	NY	Tip Top (Hornellsville)		1.0%	1,776	
New York & Long Island Railroad	NY	New York	Steinway Tunnels	6.0%		8,500
New Zealand Government Railways	New	Otira	Otira Tunnel (Orita)	3.0%		27,984
Norfolk & Western Railway	VA	Christiansburg (Blacksburg)	Christiansburg Hill	1.0%		
Norfolk & Western Railway	VA	Starkey (Roanoke)	Starkey Hill	1.6%		
Norfolk & Western Railway	WV	Bluefield/Bramwell (Flat Top)	Elkhorn Tunnel #1	2.5%		3,100
Norfolk & Western Railway	WV	Bluestone Junction (Elkhorn)	Bluestone Branch (Flat)	1.3%		
Norfolk & Western Railway	WV	Cooper (Gallipolis Ferry)	Elkhorn Tunnel #2	1.4%		6,336
Norfolk & Western Railway	WV	Coopers	Mill Creek Branch	3.0%		
Northern Pacific Railroad	ID	Wallace	Wallace Branch	4.0%		
Northern Pacific Railroad	ID	Wallace		4.0%		
Northern Pacific Railroad	MT	Butte	Homestake Pass	2.2%	6,356	
Northern Pacific Railroad	MT	Evano Hill	Evano Hill Mountain	2.2%	3,915	
Northern Pacific Railroad	MT	Helena	Mullan Pass	2.2%	5,566	
Northern Pacific Railroad	MT	Helena	Mullan Pass & Tunnel	2.2%	5,548	5,280
Northern Pacific Railroad	MT	Livingston	Bozeman Pass	1.8%	5,600	
Northern Pacific Railroad	MT	Livingston	Bozeman Pass	4.0%	5,562	
Northern Pacific Railroad	MT	Livingston	Bozeman Tunnel	1.9%	5,565	3,500
Northern Pacific Railroad	MT	Livingston	Bozeman Tunnel #2	1.9%	5,562	3,000
Northern Pacific Railroad	MT	Missoula	Lookout Pass	4.0%		
Northern Pacific Railroad	WA	Cle Elum	Stampede Pass	2.2%	3,672	10,560
Northern Pacific Railroad	WA	Cle Elum	Stampede Tunnel	3.0%	2,830	9,500
Northern Pacific Railroad	WA	Snoqualmie	Stampede Pass	5.6%	3,678	
Northern Pacific Railroad	WA	Yakima	Stampede Pass Line	5.6%	3,678	
Oakland, Antioch & Eastern Railway	CA	Oakland	Oakland Hills-Rockridge	4.0%		
Oakland, Antioch & Eastern Railway	CA	Oakland	Caldecott tunnel	4.0%		3,700
Oregon & California Railroad	OR	Eugene (Springfield Jct)	Siskiyou Line	3.7%	4,135	
Oregon Short Line Railroad (1897)	OR	Motanic (Pendleton)		2.2%		
Oregon Short Line Railroad (1897)	UT	Silver City		4.0%	6,930	
Oregon-Washington Railway &	OR	Meacham (Hilgard)	Pelican Canyon	2.6%		
Pacific Electric Railway	CA	Los Angeles	Main Street Station	3.9%		
Pennsylvania Railroad	NJ	Bergen (North Bergen)	Bergen Hill Tunnel (North)	1.9%		6,100
Pennsylvania Railroad	NJ	Weehawken	Hudson Tubes (PRR-	1.9%		6,100
Pennsylvania Railroad	NJ	Weehawken	North River Tunnels	1.9%		6,100
Pennsylvania Railroad	PA	Altoona	Horseshoe Curve	1.8%	1,716	2,375
Pennsylvania Railroad	PA	Altoona	Horseshoe Curve	1.7%	1,716	2,375
Pennsylvania Railroad	PA	Altoona	Horseshoe Curve	1.8%	1,716	2,375
Pennsylvania Railroad	PA	Gallitzin	Gallitzin Tunnel	2.0%	2,167	3,612
Pennsylvania Railroad	PA	Logan Township	Horseshoe Curve	1.8%		3,485
Philadelphia & Columbia Railroad	PA	Philadelphia	Belmont Plane (Incline)	15.0%		2,805
Pittsburg, Shenango & Lake Erie	PA	Greenville		2.0%		
Placerville & Lake Tahoe Railroad	CA	Placerville	Gold Mining History and	5.0%	3,700	
Portland & Ogdensburg Railroad	NH	Crawford Notch	Crawford Notch	2.5%		
Portland, Astoria & Pacific Railroad	OR	Tophill		2.3%		
Powells Valley Railway Company	KY	Middlesborough	Cumberland Gap Tunnel	1.2%		3,741

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R. J. Corman Railroad-Pennsylvania		PA	Bigler	Rosebud Coal	2.6%		
R. J. Corman Railroad-Pennsylvania		PA	Bigler		2.6%		
R. J. Corman Railroad-Pennsylvania		PA	Clearfield	Bigler Branch	26.0%		
Rio Grande Southern Railway		CO	Dallas Divide		4.0%	8,970	
Rio Grande Southern Railway		CO	Lizard Head Pass	Lizard Head Pass	3.0%	10,222	
Rio Grande Southern Railway		CO	Ophir	Ophir Loop & Trestle	3.0%	10,250	
Rio Grande Southern Railway		CO	Ophir	Ophir Loop	3.0%	10,250	
Roaring Camp & Big Trees Narrow		CA	Felton	Roaring Camp & Big	9.5%		
Salt Lake & Western Railway		UT	Tintic		6.0%		
San Diego & Arizona Railway		CA	Carrizo Gorge	Carrizo Gorge	2.2%	3,660	
San Joaquin & Eastern Railroad		CA	Auberry	Webstone Grade	5.3%		
San Pedro, Los Angeles & Salt Lake		NV	Caliente		1.6%		
San Pedro, Los Angeles & Salt Lake		NV	Crestline (Caliente)		1.6%	6,011	
Santa Fe, Prescott & Phoenix Railroad		AZ	Ashfork (Williams Junction)	Peavine Line (Phoenix	3.0%	8,200	
Santa Fe, Prescott & Phoenix Railroad		AZ	Prieta	Ramsgate Hill Sierra	3.0%		6,100
Silverton Railroad (Red Mountain &		CO	Chattanooga	Chattanooga Loop	8.0%		
Soo Line Railroad Company		WI	Byron	Byron Hill	1.0%		
Southern Pacific Railroad		CA	Beaumont	San Gorgonio Pass	2.0%	1,591	
Southern Pacific Railroad		CA	Loma Linda	Beaumont Hill (San	2.0%	2,500	
Southern Pacific Railroad		CA	Palmdale	Vincent Grade	2.3%		
Southern Pacific Railroad		CA	Placer	Donner Pass	2.8%	7,085	
Southern Pacific Railroad		CA	Placer	Donner Pass Tunnels	2.2%	7,085	
Southern Pacific Railroad		CA	San Luis Obispo	Cuesta Grade	2.2%		
Southern Pacific Railroad		CA	San Luis Obispo	Cuesta Grade	2.2%		
Southern Pacific Railroad		CA	San Luis Obispo (Goldtree)	Cuesta Pass Horseshoe	2.2%	1,340	
Southern Pacific Railroad		CA	Walong	Tehachapi Pass and	2.5%	3,793	147,840
Southern Pacific Railroad		CA	Walong	Tehachapi Pass	2.5%	4,031	147,840
Southern Pacific Railroad		OR	Ashland	Siskiyou Pass	3.7%	4,135	
Southern Pacific Railroad		OR	Eugene (Springfield Jct)	Siskiyou Pass	3.7%		
Southern Pacific Railroad		OR	Nashville	Toledo Branch Summit	2.6%		
Southern Pacific Railroad		OR	Natron (Eugene)	Cascade Route/Natron	3.3%		
Southern Pacific Railroad		OR	Oakridge	Cascade Line	2.2%		
Southern Pacific Railroad		OR	Oakridge	Cascade Line	2.2%		
Southern Railway		KY	Erlanger	Erlanger Hill	2.6%		
Southern Railway		NC	Asheville	Piedmont Division ("Old	2.2%		
Southwest Lumber Company		NM	Cloudcroft (Russia)	Wills Canyon Switchback	4.0%		
Southwest Lumber Company		NM	Cloudcroft (Russia)	Wills Canyon Switchback	4.0%		
Spartanburg & Asheville Railroad		NC	Tyron	Saluda Grade	5.1%	2,097	15,840
Spokane, Portland & Seattle Railroad		OR	Glenwood		2.3%		
Spokane, Portland & Seattle Railroad		OR	Sweet Home	Dollar Branch	2.2%		
Spokane, Portland & Seattle Railroad		WA	Warwick	Goldendale Branch	2.2%	1,678	
St. Paul, Minneapolis & Manitoba Railway		MT	Kalispell	Haskell Pass (Haskill	1.5%	4,300	1,400
Swiss Federal Railways (SBB CFF FFS)	Switzerl		Giornico	Pianotondo and Travi	4.0%	1,283	
Swiss Federal Railways (SBB CFF FFS)	Switzerl	UNI	Göschenen	Gotthard Tunnel	2.8%	3,773	47,520
Terminal Railroad Association of St. Louis		MO	St. Louis	Merchants Bridge	1.5%		4,550
Texas & New Orleans Railroad		LA	Algiers	Gouldsboro Ferry	5.0%		
Texas & Pacific Railway		TX	Van Horne		1.7%	4,600	
Tintic Range Railway		UT	Eureka	Golden Circle Loop	3.0%		
Toronto, Grey & Bruce Railway	Canada	ON	Caledon	Caledon Hill Grade	2.0%		
Toronto, Grey & Bruce Railway	Canada	ON	Orangeville	Orangeville Grade	2.0%		
Troy & Greenfield Railroad & Hoosac		MA	North Adams	Hoosac Tunnel	5.0%	835	25,081
Uintah Railway (Unitah Ry)		CO	Atchee	Baxter Pass	7.5%	8,400	
Ulster & Delaware Railroad		NY	Pine Hill	Pine Hill Grade	2.7%	1,886	
Union Pacific Railroad		NV	Wendover	Arnold's Loop	3.0%	5,600	
Union Pacific Railroad		OR	Encina (Baker)	Huntington-Baker line	2.2%		
Union Pacific Railroad		OR	Kamela (Meacham)	Meacham Canyon	2.2%		21,241.4

Steepest Grades - by Railroad

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For current railroads, it may be necessary to refer to the predecessor railroad and the same location;

Grade=max ruling grade at this place; Elevation-maximum elevation at this place; Length-Length mountain pass or route

RR Name	Location-Country, State, City, Facility name			Grade %	Elev (Feet)	Length (Feet)	
Union Pacific Railroad		OR	La Grande	Kamela Mountain	2.2%	4,205	
Union Pacific Railroad		UT	Echo	Helper Locomotives	1.1%		
Union Pacific Railroad		UT	Uintah	Wasatch Grade MP 985.1	1.1%		
Union Pacific Railroad		UT	Wahsatch	Wahsatch Station	1.1%	6,800	
Union Pacific Railroad		WA	Clem		3.0%		
Union Pacific Railroad		WY	Piedmont	Piedmont Hill Helper	1.3%		
Union Pacific Railroad		WY	Sherman	Sherman Hill (1865 track	5.1%	8,247	
Union Pacific Railroad		WY	Sherman	Sherman Hill (Borie	1.6%	8,014	221,760
Virginia & Truckee Railroad (1869)		NV	Reno	Geiger Grade	7.0%	6,789	
Virginian Railway		VA	Clarke's Gap (Leesburg)		2.0%		
Virginian Railway		WV	Mullens (Elmore/Clark's	Clark's Gap Grade	2.1%		
Wabash Railroad (1889)		IL	Meredosia	Meredosia Grade	2.0%		
Western New York & Pennsylvania		PA	Keating	Keating Summit	2.6%		
Western Pacific Railroad		CA	Almanor	Almanor Greenville	2.2%	4,500	
Western Pacific Railroad		CA	Oroville	Feather River Canyon	1.0%	5,220	
Western Railroad of Massachusetts		MA	Chester	Washington Hill	1.7%		
White Pass & Yukon Railway Co.,	Canada	YT	White Pass	White Pass	3.9%	2,885	
Zentralbahn (Brunig Railway)	Switzerl		Meiringen	Brunig Pass	12.0%	3,307	