The History of BNSF: A Legacy for the 21st Century
Few companies can claim that they’ve been around for a century, much less 160-plus years. And not many have had the impact on the growth of a nation that BNSF Railway and its predecessors had.

Celebrating our heritage and building on our success is one of BNSF’s shared values. We are confident in our future because of the tremendous challenges we’ve overcome and the achievements we’ve made over the years. The 390 railroads that today comprise BNSF have established a great legacy for our company, which became part of the Berkshire Hathaway family in 2010.

While many different railroads combined to form BNSF, the people who worked at those railroads shared many traits. We were — and continue to be — a unique breed, blending visionary thinking with the pragmatism of results-oriented business leaders.

Aligned with our ideals of the past, our Vision today is to realize the tremendous potential of BNSF Railway by providing transportation services that consistently meet our customers’ expectations.

This brochure chronicles our history and the accomplishments of BNSF’s predecessor railways that started it all. We hope you enjoy it!
CELEBRATING OUR HERITAGE, SHAPING OUR FUTURE
The forefathers of BNSF Railway were dreamers, too. They recognized that not only would railroads be the catalyst for settlement and growth in the West, but that transcontinental trains were needed to open coast-to-coast commerce. The legacy of men such as Cyrus K. Holliday, founder of the Santa Fe Railway, and James J. Hill, builder of the Great Northern Railway, was the development of an entire region in a rapidly growing nation.

Today, BNSF Railway, created through the Sept. 22, 1995, merger of Burlington Northern Inc. and Santa Fe Pacific Corp., builds on the traditions of its hundreds of predecessors and provides customers with efficient transportation, better service, logistics expertise, market reach, and the most environmentally preferred mode of land transportation.

BNSF today serves the western two-thirds of the United States as well as portions of Canada and key Mexican gateways with some 32,500 route miles. Many of BNSF’s 390 predecessor railroads were highly successful and innovative. They carried mail to connect with the Pony Express, introduced railcars equipped to sort U.S. mail en route, and were among the first to operate the printing telegraph and to use train radio and centralized traffic control.

BNSF predecessors were also leaders in equipment modernization, introducing the Zephyr (America’s first diesel-electric, streamlined passenger train) and developing the nation’s first vista-dome car. More recently, the predecessors helped the United States create the largest grain logistics system in the world and pioneered the development of the intermodal business and the use of high-horsepower AC (alternating current) traction locomotives.

BNSF is a leading shipper of low-sulfur coal from mines in Wyoming and Montana.
The oldest of the BNSF predecessors were both founded in 1849: the Aurora Branch Line (which would eventually grow into the Chicago, Burlington & Quincy – CB&Q) and the Pacific Railroad of Missouri (a portion of which would become the St. Louis-San Francisco Railway, or “Frisco”). Ten years later, the charter was approved for what was to become the Atchison, Topeka & Santa Fe Railway (Santa Fe) in Topeka, Kan.

The Santa Fe was built along the “Trail of Faith,” the route of commerce known as the Santa Fe Trail. The railroad was considered by many to be the over-ambitious dream of Cyrus K. Holliday, whose vision was to see the Santa Fe extend to Chicago, St. Louis, Mexico, San Francisco and Galveston, Texas. Holliday’s legacy was a railroad that endured, eventually merging with or acquiring more than 70 other lines. The railway was essential to the growing Southwest, and today its pioneer spirit endures in BNSF Railway.

With the passage in 1980 of the Staggers Act, which partially deregulated the railroad industry, BN was the first in the industry to organize its Marketing Department into business units to improve focus on major traffic lines. Deregulation brought with it innovation and creativity. Santa Fe developed the first land-bridge container train, linking Asia with Europe using connecting rail lines in the East.

In the 1980s, in response to rising energy and inventory carrying costs, lightweight alloys and plastics began displacing the bulky, heavy materials that railroads traditionally hauled. Also, as manufacturers wanted materials moved to assembly lines and finished products moved to retail outlets “just in time,” they required faster, more frequent, on-time deliveries. These new developments played to the strengths of trucks and the weaknesses of railroads at the time.

BNSF today serves the western two-thirds of the United States as well as portions of Canada and key Mexican gateways with some 32,500 route miles. Many of BNSF’s 390 predecessor railroads were highly successful and innovative.

BNSF is the largest grain-hauling railroad in North America.
Both BN and Santa Fe, however, would help lead the rail industry’s effort to capture a greater share of this market with service that would harness the strengths of both truck and rail: intermodal.

In 1978, Santa Fe built “Fuel Foilers,” articulated 10-unit spine cars for long-distance intermodal service. In 1990, the company entered into a relationship with J.B. Hunt, the first such collaboration between a railroad and trucking firm, which led to Santa Fe’s preeminence in the intermodal business.

Meanwhile, BN had opened intermodal hub centers, which consolidated hundreds of piggyback ramps at strategic locations. Hub centers enabled railroads to generate the volumes of trailers and containers necessary to justify dedicated and scheduled intermodal trains to compete with all-highway moves.

Intermodal was just one of the businesses pioneered by BNSF predecessors. In the 1970s, BN began laying the foundation for an important new fuel source for generating electricity: low-sulfur coal from the Powder River Basin (PRB) in Wyoming and Montana. Not only was PRB coal lower in cost, it burned more cleanly than other types of coal, and thus was better for the environment. Demand for PRB coal later gained momentum with the federal Clean Air Act and its emission standards for coal-fired electric plants.

To help haul PRB coal, BN became the first North American railroad to make a commitment to AC-traction locomotives in the early 1990s. Santa Fe had already helped advance new locomotive standards in the late 1980s, improving cab design.

To help manage and improve service, BN opened a Network Operations Center (NOC) in March 1995, ushering in a new age of railroading with the industry’s largest and most advanced real-time operations control center. In a room the size of a football field, train dispatchers, locomotive assignment desks, crew planners and operations managers electronically “see” and manage trains 24 hours a day.

While the NOC was still under construction, negotiations began on a merger agreement between BN and Santa Fe. The merger of the two on Sept. 22, 1995, created Burlington Northern and Santa Fe Railway, the largest rail network in North America at the time.
In 2005, the company took a bold step, introducing a new name and look that better expressed the railroad’s image as a vibrant and innovative transportation leader. The new name – BNSF Railway – was streamlined and simplified. The new logo, which brands all of the locomotives, equipment and materials, better reflected the railroad BNSF had become in the decade after the merger: progressive, vital, approachable and resourceful. The railroad continued to grow, handling more than 10 million units in 2006.

In late 2009, BNSF was again in the spotlight when Warren Buffett made an “all-in-wager on the economic future of the United States” and announced the offer to acquire BNSF. On Feb. 12, 2010, the latest chapter in BNSF’s history began as BNSF joined the Berkshire Hathaway family.

Yes, BNSF has come a long way since the Aurora Branch was organized on Feb. 12, 1849, using borrowed equipment and operating on rail laid with second-hand iron. From these humble beginnings, BNSF has served its customers, communities, owners and the nation’s economy for more than a century and a half. Much of its growth can be traced to the pioneers who challenged the boundaries — whether they were economic, environmental or technological. Today, BNSF’s community of more than 40,000 employees is carrying forward the entrepreneurial spirit of its forefathers as we push into the 21st century.

From its humble beginnings, BNSF Railway has served its customers, communities, owners and the nation’s economy for more than a century and a half.

The Frisco added to the BN
2005

BNSF joins the Berkshire Hathaway family
2010

1849
First BNSF predecessor, the Aurora Branch Line, founded

1859
Atchison, Topeka & Santa Fe Railway founded

1900
The Frisco merges to create Burlington Northern

1950
1970
Burlington Northern Railroad (BN) created through the merger of the Chicago, Burlington & Quincy, the Great Northern, the Northern Pacific, the Spokane, Portland and Seattle; and the Pacific Coast Railroad

1995
BN and Santa Fe merge to create Burlington Northern and Santa Fe Railway, the largest rail network in North America at the time

2010

1849
BNSF Railway: A Brief History

HISTORY

The Network Operations Center gives BNSF dispatchers the ability to “see” and manage train operations across the network, 24 hours a day.
The Oldest BNSF Logo
The rectangular CB&Q trademark, emblazoned with the words “Burlington Route,” is a familiar and enduring American corporate trademark. The block first appeared as early as 1880 in advertising, and in 1884 the board of directors adopted a resolution outlining its style and wording. The first symbol carried the legend “Burlington Route” in distinctive lettering that remained constant over the years. The directors specified that the letters would be white on a black block, encompassed by a narrow white line, with a black line outside the white. The thick red border was added later to make the logo even more distinctive.
The Aurora, Ill., businessmen who founded the Aurora Branch Railroad in 1849 likely never envisioned that the fledgling corporation would evolve into Burlington Lines – the largest of Burlington Northern’s predecessor railroads with nearly 10,000 miles of track extending from the Great Lakes to the Rocky Mountains and from Montana to the Gulf of Mexico.

The Aurora Branch was laid with secondhand scrap iron spiked to 12 miles of wooden rails, obtained from the Buffalo & Niagara Falls Railroad at a bargain price after the New York legislature had outlawed their use.

Aurora Branch Sees First Service
On Sept. 2, 1850, the first train chugged its uncertain way over six miles of newly built line from Batavia to Turner Junction (now West Chicago), switching to the tracks of the Galena and Chicago Union Railroad, which had been completed to Chicago the year before. As neither secondhand cars nor locomotive had arrived from the East, the trip was made with equipment borrowed from the Galena line. Burlington thus became the second railroad to serve Chicago.

Line Bought by Boston Investors
Progress over the next two decades was rapid, aided largely by a group of Boston investors who bought the line in 1852.

By 1864, the railroad had 400 miles of track—all in Illinois—and adopted the name Chicago, Burlington & Quincy Railroad Co. (CB&Q), which properly described its trackage stretching to Burlington, Iowa, and Quincy, Ill., on the Mississippi River. The name also had staying power, lasting 106 years until the Burlington Northern merger in 1970.

The Burlington, as it came to be known, completed its own line from Aurora to Chicago in 1864, and the following year had the distinction of operating the first train into Chicago’s newly opened Union Stockyards.

John Forbes Forges CB&Q System
Burlington’s rapid expansion after the Civil War was based on sound financial management, dominated by John Murray Forbes of Boston, who in turn was assisted by Charles E. Perkins. Perkins was a powerful administrator who eventually forged a system out of previously loosely held affiliates, virtually tripling Burlington’s size during his presidency from 1881 to 1901.

In an amalgamation of 204 railroads, two were particularly outstanding: the Hannibal and St. Joseph Railroad Co. (H&St. J) and the Burlington and Missouri River Railroad Co. (B&M).

Promoted by important citizens at each end of the route—including Mark Twain’s father, John M. Clemens—Hannibal and St. Joseph’s construction began in 1852 and was completed in 1859. The H&St. J brought mail across Missouri to connect with the Pony Express, introduced the first railcar equipped for sorting U.S. mail en route in 1862, and during the Civil War was constantly harassed by Confederate raiders. Afterward, it became an occasional target of Jesse James and other train robbers.

The B&M was incorporated in 1852 to build across the State of Iowa. Operations began over the first few miles of track on New Year’s Day 1856. The road reached Ottumwa by 1857 and was completed to the Missouri River in November 1869. From the beginning, the line had financial help from Forbes and his Boston-New York group of investors because it provided a natural westward extension of the rapidly building CB&Q, which in turn was a feeder for the Forbes-owned Michigan Central.
In 1868, the Burlington completed bridges over the Mississippi both at Burlington and Quincy, giving the railroad through connections with the B&MR and H&St. J.

Close ties between the Burlington and the H&St. J were temporarily severed in 1871 when Jay Gould and his New York allies secured control of the Missouri line as a pawn in bitter rate wars and shifting alliances. Traffic interchanges with the Burlington remained so important, however, that by 1883 Perkins was able to reacquire the line and it became an integral part of the Burlington system.

While the B&MR was still building westward, plans were made for an extension into Nebraska. A separate company, Burlington & Missouri River Rail Road in Nebraska, was formed in 1869. During the summer of 1870 it reached Lincoln, the newly designated capital of Nebraska. A junction with the Union Pacific at Kearney was achieved in 1872.

**Line Completed to Denver in 1882**
By the time the Missouri River bridge was opened at Plattsmouth in 1880, the B&MR in Nebraska had pushed into western Nebraska. The value of the westernmost feeder was now established and, in 1880, the Nebraska line was purchased outright by the CB&Q. In 1882, the line was completed to Denver, providing the Mile High City with its first direct rail route to Chicago over a single railroad.

As Burlington rails were pushing westward, other segments were built in the Midwest, notably links to St. Louis and Rock Island, Ill. The idea of building north to the Twin Cities was also gaining momentum. Northern Pacific (NP) had reached Puget Sound, James J. Hill had connected his forerunner of the Great Northern (GN) with the Canadian Pacific, and it became apparent that extending north-westward would put Burlington in a position to carry grain and lumber south, while moving coal and manufactured products to the north.

In 1885, lines were extended from Oregon, Ill., (on the Chicago & Iowa Railroad) and north from Fulton, Ill., (on the route from St. Louis) to Savanna, Ill., then northward along the Mississippi River, reaching St. Paul in 1886.

More railroad building eventually gave the Burlington a main line from St. Louis and Kansas City through St. Joseph, Mo., and Lincoln to Billings, Mont. During this same period, the Burlington either built or acquired a network of branch lines over the rich agricultural regions of northern Illinois, southern Iowa, northern Missouri and southeastern Nebraska.
Agriculture Aggressively Promoted

Throughout the years, products from farms and ranches were essential to the CB&Q, and the company became known as a “Granger Road.” Burlington representatives worked closely with farmers and ranchers, and as early as 1854 the railroad advised prospective settlers on what crops could be successfully raised in Missouri. Alfalfa was introduced by the railroad as a commercial crop in Nebraska in 1875. Crop and stock improvements along with irrigation and soil conservation were aggressively promoted. Through seed and soil exhibits, poultry special and livestock trains, the Burlington helped bring the most advanced agriscience directly to the farmer. Burlington would often employ farmers at its shops during winter months until they were able to establish their farms and tend to them full-time.

Congress granted the Burlington tracts of land in Missouri, Iowa and Nebraska to promote expansion and settlement. To attract settlers, the railroad employed as many as 250 agents in the eastern U.S. and in offices in England, Scotland, Sweden and Germany. From 1870 to 1880, Burlington sold more than two million acres of land to some 20,000 people.

While filling out its territory, the railroad was also improving technologically with heavier rail, more powerful locomotives and larger cars. In 1886 and 1887, George Westinghouse conducted air brake tests on the grade at West Burlington, Iowa, inventing the triple valve. His device perfected the air brake and brought it into universal use.

Burlington built its first timber preservation plant at Edgemont, S.D., in 1899 and opened a research laboratory at Aurora, Ill., in 1900.

The turn of the century witnessed far-reaching changes in management of the Burlington. The death of Forbes in 1898 symbolized the end of an era. For 47 years, he had guided the company’s finances, serving as a director for the last 41 years of his life. At the end of February 1901, Perkins resigned as president, although he continued to serve as a director.

Alfalfa was introduced by the railroad as a commercial crop in Nebraska in 1875. Crop and stock improvements along with irrigation and soil conservation were aggressively promoted.
Hill Sees Value of Tie with CB&Q
Meanwhile, in St. Paul, Minn., James J. Hill was shifting strategy. Frustrated in his attempt to consolidate the GN and NP in 1896, he now sought a common connection to the East. In 1901, the main lines of the two Northerns terminated at the Twin Cities. Chicago, however, not Minneapolis or St. Paul, was the railroad capital of the nation. Hill observed: “The best traffic of the Great Northern and Northern Pacific is the cotton and provisions west and the lumber and timber eastbound. The great provisions centers are Kansas City, St. Joseph, Omaha, Chicago and St. Louis, none of which are reached directly by the Great Northern or Northern Pacific. The Burlington lets us into all these districts and commercial centers over better lines and with better terminals than any other road.”

GN/NP Jointly Purchase Burlington
In 1901, the GN and NP jointly purchased 97.2 percent of the CB&Q’s stock, paying $200 per share.

Hill, as always, was seeking balanced traffic for his system and believed coal, minerals, livestock and agricultural produce from Texas and Colorado could be exchanged for imports from the Orient as well as timber and other products available from the Pacific Northwest. The Colorado and Southern (C&S) and Fort Worth & Denver (FW&D) lines provided routes from Cheyenne, Wyo., and Denver south to Fort Worth, Texas, Dallas and the port cities of Houston and Galveston, Texas. With a link from Cheyenne to Billings, Mont., Hill would have a tidewater-to-tidewater line from Puget Sound to the Gulf of Mexico and a diagonal transcontinental line through America.

Acquisition Provides Line to Gulf
With this in mind, the Burlington purchased 70 percent of C&S and FW&D stock in 1908. A year later, construction began to extend the Billings-Kirby branch southward through the Wind River Canyon to a connection with the C&S east of Casper, Wyo. By the time the major extension was completed in 1914, GN had built into Billings and both Northerns had direct connections with Denver and the Gulf. Hill was perhaps the first to envision this “land bridge” route between the Pacific and the Gulf. The line would have prospered had it not been for the Panama Canal and the Panama Canal Act of 1914, which outlawed carrying materials between the Gulf and Hill’s steamships in the Pacific Northwest.

Employing the latest technology, Burlington operated the first printing telegraph (a forerunner of the teletype) in 1910, and in 1915 was the first railroad to use train radio, utilizing a transmitter located at Riverside, Ill. Communication with trains was achieved, but the need for a telegrapher on board the train made the device impractical. Train radio became a reality in 1943 when aircraft radios were successfully adapted to train operations.

In 1927, the Burlington was one of the first to utilize centralized traffic control and by the end of 1957 had equipped 1,500 miles of track for this advanced type of signaling.

Perhaps Burlington’s best-known achievement took place in 1934, shortly after the railroad introduced the Pioneer Zephyr – America’s first diesel-powered, streamlined passenger train. Its high-speed, diesel-electric propulsion system was the forerunner of thousands of diesels that, in the span of a few short years following World War II, replaced steam locomotives on virtually every railroad in the country.

Pioneer Zephyr Establishes Record
On May 26, 1934, Burlington staged one of the greatest transportation events of the Thirties – a 1,000-mile, record-breaking, non-stop run from Denver to the World’s Fair on Chicago’s lakefront, where the Pioneer Zephyr climaxed the “Wings of a Century” transportation pageant. Bulletins had been broadcast throughout the day as the train streaked through villages and cities. At 8:09 p.m., the Pioneer Zephyr rolled onto the stage and was met with boisterous applause. A world’s long-distance record had been set, firmly establishing the value of diesel-electric power.

In reporting the run to his directors, Burlington President Ralph Budd emphasized two facts: the fuel cost for the 1,000-mile trip was $14.64 and the highest speed attained was 112.5 miles per hour. In a nutshell, economy and speed became the basis for the coming revolution in railroading.

Burlington purchased its first freight diesels in 1944 and 95 percent of its operations were dieselized by 1953.
In 1945, Burlington created America’s first vista-dome car. In 1950, it ushered in the age of modern commuting, bringing to Chicago America’s first double-deck, stainless-steel suburban equipment. In 1952, Burlington became the first railroad to completely dieselize a suburban service. An all-new Denver Zephyr entered service between Chicago and Denver-Colorado Springs in 1956 and brought with it another railroading first, the Slumbercoach. These economy sleeping cars provided coach passengers with rooms for only a small occupancy charge.

While the railroad was improving passenger service, freight transportation was also being modernized. The yard at Galesburg, Ill., was equipped with electro-pneumatic retarders in 1931. In 1942, to meet sudden increases in traffic, a second hump yard was built. To match these facilities, the Lincoln, Neb., yard was converted to hump operations in 1944. The car-building shop was moved from Galesburg to Havelock (Lincoln), Neb., in 1943, and the locomotive shops at West Burlington, Iowa, were expanded in 1946 to take care of heavy repairs to diesel locomotives.

Motor Transport Subsidiaries Formed
Burlington established bus and trucking subsidiaries in 1935; the former, known as Burlington Trailways, was sold in 1946. The trucking operation was expanded to more than 10,000 route miles. It also participated in “piggyback” traffic with the parent company as early as 1940.

In 1954, Burlington completed 71 miles of new line in its Centennial cutoff between Brookfield and Maxwell, Mo., providing a more direct route between Chicago and Kansas City gateways and shortening the route by more than 20 miles. In 1958, the railroad modernized its classification yard at Cicero (Chicago), making it a modern, electronic facility. A new high-level bridge was constructed in 1960 at Quincy, Ill., to replace a 92-year-old span.

In 1958, Burlington also revolutionized railroad refrigeration techniques by using foamed-in-place polyurethane to insulate railcars. The new process produced the strongest, most efficient insulated cars in America and, in many cases, dramatically lowered transportation costs.

A large, three-track diesel maintenance facility was built at Lincoln in 1964. Soon after it opened, the facility was servicing more than half of Burlington’s motive power fleet.

Burlington started using computers in 1957 and gradually expanded use of that technology. By 1967 these computers were functioning on a “real-time” basis. A microwave system was built between Chicago and Lincoln in 1966.

Agency Vans Another CB&Q “First”
In 1967, Burlington became the first railroad to use direct service vans. These offices-on-wheels enabled the railroad to discontinue station structures on numerous branches and to improve service by having agents go directly to shipper offices.

Kansas City was an important traffic gateway on the Burlington and in 1967 ground was broken on a new automatic classification yard at North Kansas City.

On March 2, 1970, Chicago, Burlington & Quincy Railroad Co. became part of Burlington Northern Inc., merging with Northern Pacific; Great Northern; and Spokane, Portland and Seattle railways.

Motor Transport Subsidiaries Formed
Burlington established bus and trucking subsidiaries in 1935; the former, known as Burlington Trailways, was sold in 1946. The trucking operation was expanded to more than 10,000 route miles. It also participated in “piggyback” traffic with the parent company as early as 1940.

In 1954, Burlington completed 71 miles of new line in its Centennial cutoff between Brookfield and Maxwell, Mo., providing a more direct route between Chicago and Kansas City gateways and shortening the route by more than 20 miles. In 1958, the railroad modernized its classification yard at Cicero (Chicago), making it a modern, electronic facility. A new high-level bridge was constructed in 1960 at Quincy, Ill., to replace a 92-year-old span.

In 1958, Burlington also revolutionized railroad refrigeration techniques by using foamed-in-place polyurethane to insulate railcars. The new process produced the strongest, most efficient insulated cars in America and, in many cases, dramatically lowered transportation costs.

A large, three-track diesel maintenance facility was built at Lincoln in 1964. Soon after it opened, the facility was servicing more than half of Burlington’s motive power fleet.

Burlington started using computers in 1957 and gradually expanded use of that technology. By 1967 these computers were functioning on a “real-time” basis. A microwave system was built between Chicago and Lincoln in 1966.

Agency Vans Another CB&Q “First”
In 1967, Burlington became the first railroad to use direct service vans. These offices-on-wheels enabled the railroad to discontinue station structures on numerous branches and to improve service by having agents go directly to shipper offices.

Kansas City was an important traffic gateway on the Burlington and in 1967 ground was broken on a new automatic classification yard at North Kansas City.

On March 2, 1970, Chicago, Burlington & Quincy Railroad Co. became part of Burlington Northern Inc., merging with Northern Pacific; Great Northern; and Spokane, Portland and Seattle railways.

Burlington diesel locomotive No. 946, a model GP30, was built in April 1962. The featured paint scheme was adopted in 1958.

Chicago, Burlington & Quincy: A Brief History

1849
Aurora Branch Railroad founded, the first of the Burlington Lines that would eventually become BNSF Railway

1864
The name Chicago, Burlington & Quincy Railroad Co. (CB&Q) adopted, describing the trackage stretching to Burlington, Iowa, and Quincy, Ill., on the Mississippi River

1869
Burlington & Missouri River Rail Road in Nebraska formed

1882
Line from Nebraska to Denver completed, creating first direct rail route from the Mile High City to Chicago over a single railroad

1886
Rail lines extended northward along the Mississippi River, reaching St. Paul, Minn.

1901
GN and NP jointly purchase 97.2 percent of CB&Q stock

1908
The Burlington purchases 70 percent of the Colorado and Southern and Fort Worth & Denver lines’ stock

1934
The Pioneer Zephyr makes a 1,000-mile, record-breaking, non-stop run from Denver to the World’s Fair in Chicago

1953
Burlington’s operations are fully dieselized

1970
CB&Q merged with NP; GN; Spokane, Portland and Seattle; and Pacific Coast Railroad to form Burlington Northern Railroad
The history of the St. Louis-San Francisco Railway logo has colorful and humble origins. According to the story, Gen. George H. Nettleton, the Frisco’s general manager, stopped at a depot in Neosho, Mo., during an inspection trip. Nailed to the wall was a drying raccoon skin. He asked the local agent what he was doing using company property for tanning hides. The agent explained that he was selling the hides to supplement his income. To the agent’s surprise, Gen. Nettleton bought the hide for “two bucks.” Nettleton then gave the skin to a company draftsman to create a trademark and the design has changed only slightly over the years. The original coonskin was kept in the Frisco archives in St. Louis for many years.
The story begins in 1849, when the Pacific Railroad of Missouri was chartered by the Missouri legislature to build a line from St. Louis roughly due west to the Missouri-Kansas border.

It was July 1851 before work actually began on the Pacific; at that time there were no railroads west of the Mississippi, and none had reached it from the East.

Even before the first 37-mile stretch of the Pacific was completed in 1852, the legislature authorized construction of a branch line to leave the main line at Franklin, Mo., and run southwest to Springfield, Mo., and the Indian Territory (Oklahoma) border.

Backers Had High Hopes
There were high hopes for the South-West Branch as it was called; its backers believed it would be extended into Indian Territory to the 35th parallel, along which a railroad route to San Francisco was already being surveyed.

The money troubles that had delayed the start of construction on the Pacific caused a similar delay for the South-West Branch, and it was June 1855 before construction began on what would become the nucleus of the Frisco system.

Once begun, work proceeded rapidly, and the onset of the Civil War found the railroad completed to Rolla, Mo., about 75 miles southwest of Franklin. The terminus remained there throughout the war.

Marauders Created Havoc
The marauding bands of bushwhackers and jayhawkers that terrorized much of Missouri during the war did considerable damage to both the South-West Branch and its parent Pacific. Both were bankrupt by war’s end.

They were sold to Gen. John C. Fremont, the noted explorer and son-in-law of Missouri Senator Thomas Hart Benton. Fremont – with his Washington, D.C., influence – was able to obtain a federal franchise and land grant in the name of his Atlantic & Pacific Railroad (A&P) for extension of the South-West Branch to San Francisco along the 35th parallel survey route. However, he was considerably less successful in actually laying track, and in 1868 the South Pacific Railroad Company acquired the line from the State of Missouri.

South-West Branch Extended
The South Pacific extended the erstwhile branch to Lebanon, Mo., in 1869 and on through Springfield to Pierce City, Mo., in 1870. Grading was completed to Seneca, Mo., on the Indian Territory border that same year.

In 1870, the South Pacific’s line came once more under the control of the Atlantic & Pacific, which had retained control of Fremont’s St. Louis-San Francisco franchise and his land grant as well as control of the Pacific Railroad of Missouri.

Construction by the A&P proceeded rapidly. In 1871, the line was completed beyond Seneca to a junction with the Missouri, Kansas & Texas (MK&T) Railroad’s north-south line at Vinita in Indian Territory, as A&P officers tried to persuade federal officials to abrogate a treaty with the Indians and give the railroad its land grant through the Cherokee Nation.

The government sided with the Cherokees in the dispute and the A&P’s end of track remained at Vinita until the Panic of 1873 drove the Atlantic & Pacific into bankruptcy in 1875.

Santa Fe Railway Gains Control
Native Americans successfully continued to block survey and construction work on the line and the Santa Fe Railway acquired control of the Frisco around 1879. The Santa Fe was able to use the A&P franchise and most of its land grant to build Santa Fe’s own line from Albuquerque to California.

In the late 1870s, Frisco built a line westward from Pierce City to Wichita, Kan., to connect with Santa Fe’s main line.

A typical locomotive of the era, Frisco No. 97 was originally built in 1880 for service between Fort Scott, Kan., and Springfield, Mo., while the railroad was being built from Kansas City to Memphis.
The early 1880s saw the Frisco headed south from Monett, Mo., with a line through the Boston Mountains of Arkansas to Fort Smith, through the Choctaw Nation to Paris, Texas, and a connection with the Santa Fe’s line to Dallas and Fort Worth, Texas.

Transcontinental Dream Dashed
Frisco was able to extend its trackage from Vinita to Sapulpa, Okla., just west of Tulsa, in the early 1880s. The dream of a St. Louis-San Francisco transcontinental had been dashed, but Frisco had begun developing the western reaches of its system into their final form.

Expansion of the Frisco system ground to a halt in the late 1880s and Frisco was finally swept into bankruptcy along with the Santa Fe Railway in the mid-1890s. It was reorganized in 1896 as the St. Louis & San Francisco Railroad Company.

With reorganization came Gen. B.F. Yoakum as general manager; he was to serve the Frisco over the next 20 years as general manager, president and chairman of the board. During his administration, Frisco would double in size and its leaders would turn their eyes from the West Coast to the South.

Yoakum contemplated a system that would span the central section of the country from Chicago and the Twin Cities to the Gulf of Mexico and connect with the Mexican railroad system at the Texas border.

Frisco extended its Oklahoma line from Sapulpa through Oklahoma City to Lawton in the late 1890s, but the real expansion of Yoakum’s Frisco came after the turn of the century.

Kansas City and Springfield Linked
Frisco completed its own line to the Dallas-Fort Worth area in 1901 through construction south from Sapulpa to Denison, Texas, and purchase of a 58-mile line from Sherman to Carrollton, Texas, near Fort Worth.

Perhaps the key addition in 1901, however, was the long-term lease by the Frisco of the Kansas City, Fort Scott & Memphis Railway Company’s line from Kansas City southeast through Springfield and Memphis to Birmingham, Ala.

Work on that line was begun shortly after the Civil War by the Kansas & Neosho Valley Railroad (K&NV), which planned a line south from Kansas City through Kansas, Indian Territory and Texas to the Gulf of Mexico.

Chanute Guided Tracklaying
Construction proceeded slowly until 1868, when the K&NV’s assets were acquired by the Missouri River, Fort Scott & Gulf Railroad (MR,FS&G) and Octave Chanute – builder of the Hannibal Bridge across the Missouri at Kansas City – became the line’s chief engineer.

Under Chanute, tracks were rapidly laid southward to Baxter Springs on the Indian Territory border in 1870. However, the MR,FS&G arrived too late at the border. The MK&T line from Kansas City had entered the territory a few months before, thus winning for MK&T rights as the only north-south railroad permitted across Indian lands.

The MR,FS&G languished through the Panic of 1873 until Gen. George H. Nettleton arrived to take charge in 1874. Its race for Indian Territory lost, the MR,FS&G turned southeast and became the Kansas City, Fort Scott & Memphis Railroad (KC,FS&M).

The KC,FS&M completed its line to Springfield in 1881 and was operating through-trains from Kansas City to Memphis just two years later. After a two-year pause at Memphis, the KC,FS&M completed its line to Birmingham in 1887 and finished its great bridge (replacing ferry service) at Memphis in 1892.

Yoakum Forges Ahead
Yoakum continued to pursue his dream through the first 10 years of the 20th century. In 1902, he added the St. Louis, Memphis & Southeastern Railroad’s line down the west bank of the Mississippi from St. Louis to Memphis, planning to extend that line down the west bank all the way to New Orleans.

In 1904, Yoakum added a 233-mile line from Ardmore, Okla., to Hope, Ark., with the expectation of extending it west to Colorado and east to connect with the west bank line, somewhere south of Memphis.

Yoakum added other shorter feeders throughout the Frisco system and longer feeder lines from Sapulpa through Enid to Avard, Okla., and south from Blackwell, Okla., to Vernon, Texas.

Although the west bank line had yet to be built, Gen. Yoakum added, through construction or control, other trackage from New Orleans west along the Gulf Coast to Mexico and in central Texas between Dallas-Fort Worth and the Gulf Coast lines.

Depression Bankrupts Frisco
Gen. Yoakum’s dream was well on its way to becoming reality when the Depression of 1913 turned his dream into a disappointment.
The Gulf Coast trackage and the Texas lines south of Fort Worth were split from the Frisco system. The west bank line would never be extended south of Memphis.

The Frisco came out of reorganization with its final corporate name — the St. Louis-San Francisco Railway Company — and a new president, W.C. Nixon.

Nixon worked hard with the remnants of Yoakum's dream, sprucing up passenger service (it was in 1917 that Frisco joined with the MK&T to operate the famed Texas Special) and, in general, restoring a leaner Frisco to solid financial footing.

Nixon's plans were delayed, however, when the United States entered World War I and the Frisco, along with the rest of the U.S. rail system, came under federal government control. The experiment with nationalization came to an end in 1920 and the Frisco was returned to private ownership.

**Trackage Reaches the Gulf**

The most ambitious undertaking of the 1920s was construction of a link near Amory, Miss., on Frisco's Memphis-Birmingham main line, to the Gulf of Mexico at Pensacola, Fla., at last fulfilling the dream of Gen. Nettleton by linking his road to tidewater. The new line was opened with a grand excursion in the summer of 1928.

Elation at the Pensacola extension was short-lived, as the Frisco plunged into bankruptcy again in 1933 after being hit hard by the Great Depression.

No stranger to hard times, the Frisco struggled through the grim years of the Depression by steadfast economic measures and was ready when the nation called again at the beginning of World War II. The closing of East Coast sea lanes by German U-boats shifted Texas and Oklahoma oil onto Frisco rails for movement eastward.

The railroad completed a 14-year reorganization in 1947 and Clark Hungerford was elected president of the Frisco. Under his direction, a railroad battered by the Depression and strained by war-time traffic began rebuilding itself while setting new traffic records.

**Streamliners Introduced**

With a flourish, the Frisco unveiled streamlined, diesel-powered versions of its Texas Special and Meteor passenger trains in 1947 and it began ordering diesel freight locomotives the next year.

Near the end of 1948, Frisco acquired control of the Alabama, Tennessee & Northern Railroad. Its line from Reform to Mobile, Ala., gave the Frisco access to a second Gulf port, connecting with the rest of the Frisco system at Aliceville, Ala.

Once begun, dieselization continued rapidly. The last steam locomotive was operated on Feb. 28, 1952, making Frisco the first major railroad to become exclusively diesel-powered.

Modernization of the Frisco continued throughout the 1950s. Electronic hump yards were opened at Memphis in 1957 and at Tulsa in 1960. The Frisco also began work on a way to recapture automobile traffic from motor carriers. That work resulted in development of the tri-level autorack car, now used by railroads nationwide.

Hungerford was succeeded as president by Louis W. Menk in 1962. Menk laid groundwork for consolidating all Frisco train dispatching in one suite of offices at Springfield in 1965. It was the first such installation in the country.

**Passenger Service Ends**

Passenger service on the Frisco, sharply reduced by September 1965, ended completely on Dec. 8, 1967, when trains 101 and 102 completed their runs between Kansas City and Birmingham.

By the time Richard C. Grayson became president in 1969, Frisco was gaining a reputation as a leader in the development of new shipping techniques. In the 1970s, Frisco went through yet another period of rebuilding and modernization of its plant and equipment.

This era culminated in 1977 with a joint application to the Interstate Commerce Commission to merge the Frisco into Burlington Northern. The merger became effective Nov. 21, 1980, adding to the BN system not only a strategically located railroad, but a proud tradition as well.

**The Frisco: A Brief History**

1849
Pacific Railroad of Missouri chartered to build a line from St. Louis west to the Missouri-Kansas border

1852
Missouri legislature authorizes construction of the South-West Branch line

1868
South Pacific Railroad Co. acquires the South-West Branch line from Missouri

1876
South-West Branch purchased by the newly organized St. Louis & San Francisco Railway Company

1879
Santa Fe Railway acquires control of the Frisco, using the A&P franchise and most of its land grant to build its own line from Albuquerque, N.M., to California

1896
Frisco reorganized as the St. Louis & San Francisco Railroad Company

1901
Frisco establishes long-term lease of the Kansas City, Fort Scott & Memphis Railway line from Kansas City through Springfield, Mo., and Memphis to Birmingham, Ala.

1902
Frisco adds the St. Louis, Memphis & Southeastern Railroad’s line from St. Louis to Memphis

1933
Frisco bankrupted; re-emerges in 1947

1980
Frisco merges with BN Railroad
“Rocky the Goat” Symbolized GN

The first Great Northern trademark was adopted in 1890, but it wasn’t until 1921 that the much-loved symbol of “Rocky the Goat” was created. Rocky the mountain goat – who made his home in the peaks of Glacier National Park – became Great Northern’s trademark feature for nearly 50 years. Rocky was GN’s singing spokesman on radio and television and he was so popular that young fans wrote by the thousands requesting his “autographed” portrait.
The epic completion of Great Northern Railway’s transcontinental line to the Pacific in 1893 and the creation of Burlington Northern 77 years later were in a very real sense the fulfillment of one man’s dreams. That man was James Jerome Hill, “The Empire Builder.”

But the railway that bore his unique stamp had its genesis even before Hill joined the railroad, and those who succeeded him in leadership made notable contributions of their own to its successful history, and to the merger that ultimately produced the closing chapter.

June 28, 1862. The 10 miles of railroad, known grandiosely as the St. Paul & Pacific, was the first in Minnesota and much of the Northwest.

The pioneer line, which wouldn’t become known as Great Northern until 1890, had its corporate origin in 1857 when the Minnesota legislature, eager for rails in its territory, granted a charter to the Minnesota & Pacific Railroad Company to “construct a railroad in the direction of the Pacific.”

Some 62 1/2 miles of roadbed had been made ready for rails when the Minnesota & Pacific, bogged down with delays precipitated by financial difficulties, forfeited its properties to the state. The St. Paul & Pacific Railroad Company, chartered March 10, 1862, acquired the rights, including land in Minnesota, and quickly completed the original 10 miles of line.

Meanwhile, young Jim Hill, age 18, had arrived in St. Paul from his birthplace near Rockwood, Ontario, to begin his “great adventure.” His very first job, in 1856, was in transportation as a shipping clerk in the office of a Mississippi River steamboat company. He watched and learned as rail expansion progressed slowly.

In 1865 he entered the transportation field on his own account, representing a steamboat line connecting with eastbound rails at Mississippi River ports south of St. Paul. A year later he was an agent for the First Division of the St. Paul & Pacific. By 1870 he was in a partnership doing general business in wood, coal and commissions, and in another operating a steamboat service on the Red River of the North.

St. Paul & Pacific Begins Service
When Great Northern (GN) began planning a centennial observance, nearly a decade prior to the 1970 Burlington Northern merger, it chose to commemorate not a “paper” beginning, but 100 years of actual service.

The benchmark for that occasion was the maiden run of a diminutive balloon-stack locomotive, the “William Crooks,” and its two cars from St. Paul to the Village of St. Anthony, now Minneapolis. The date was
Hill and Friends Buy Pioneer Line

The affairs of the St. Paul & Pacific were in a steady decline in the 1870s, due to financial and other problems, with no funds in prospect to complete and connect its several unfinished lines. While the resources and possibilities of the region were ridiculed in the East, Hill saw great potential in the struggling railroad and the territory it would eventually serve.

In 1878 he persuaded three other men of vision to join him in acquiring the St. Paul & Pacific. One was Norman W. Kittson, his partner in the Red River Transportation Company. The others were George Stephen, president of the Bank of Montreal, who became Lord Mount Stephen, and Donald A. Smith, chief commissioner of the Hudson’s Bay Company, who would be similarly honored as Lord Strathcona. Both subsequently gained fame as pioneer railway builders in Canada.

On May 23, 1879, following foreclosure proceedings, the properties were reorganized as the St. Paul, Minneapolis & Manitoba Railway Company, with Stephen as president and Hill as general manager. By now the new company had 50 miles under operation, all in the State of Minnesota.

Colonization Was Key to Expansion

The expansion of the railroad in Minnesota and into Dakota territory continued at a steady pace, and by the close of 1885 the system of main and branch lines had grown to 1,470 miles.

It has been said of other sections of the West that they were settled from the ox cart; “Hill country” was settled from the boxcar. Hill laid his rails first, then labored tirelessly to create traffic for his trains. The success of his plans for rapid expansion depended on quick and sound colonization. Having promoted his “country,” it was up to him to “make good” after the settlers moved in.

So he started showing the farmers how to improve their methods, and in the process became an authority on agriculture and livestock. He was an early advocate of diversification and conservation of natural resources. He imported purebred stock, introduced improved strains of seed and established experimental farms and credit facilities for producers. Plus, he held rates at a level that would allow settlers to sell their products competitively in distant markets.

The formula enabled Hill and his associates to expand their mileage rapidly without land grants or government subsidies of any kind, other than the limited original grant of the Minnesota & Pacific.

1887 Construction Sets New Records

In 1886, the main line of the St. Paul, Minneapolis & Manitoba was extended westward from Devils Lake to Minot, Dakota Territory, to set the scene for one of the great epochs of railroad construction.

Between April and mid-October 1887, 545 continuous miles of line, reaching across largely unsettled wilderness all the way from Minot to Great Falls, Montana Territory, was graded, bridged and laid with track.

The logistics of an operation so distant from sources of supply were staggering, with 8,000 men and 3,300 teams pushing the construction. In one all-time record day, Aug. 11, 44,100 feet of track were laid.

Hill’s early judgment of the prospective earnings of the railroad, if rehabilitated and properly managed, was thoroughly vindicated by the time he became president in 1882. That year, notwithstanding large expenditures for improvements, a 7-percent dividend was paid to stockholders. For half a century thereafter, until 1933 during the Great Depression, the company maintained an uninterrupted record of dividend payments.

By Nov. 18, another 96 1/2 miles were completed between Great Falls and Helena by the subsidiary Montana Central Railway Company, bringing the season’s total to 641 1/2 miles. At Helena, the new line connected with the Northern Pacific, which had been completed to the Pacific Northwest four years earlier.

The Minneapolis & St. Cloud Railway, chartered in 1856 by the Minnesota legislature, remained a “paper company” until acquired by Hill in 1881 for its charter rights, which were broader than those of his Manitoba Company.

Line Named Great Northern

On Sept. 18, 1889, the name of the Minneapolis & St. Cloud was changed to Great Northern Railway Company. On Feb. 1, 1890, the Great Northern took over the properties of the St. Paul, Minneapolis & Manitoba.

The new era began auspiciously. That winter, on Dec. 11, in 40-below-zero weather, Engineer John F. Stevens found the long-elusive Marias Pass, offering a superlative low-level route over the Rockies at only 5,213 feet above sea level.

Construction of Great Northern’s Pacific Coast extension began early in 1890 at Pacific Junction, four miles west of Havre in what was the fledgling state of Montana. Between Havre and Puget Sound lay 815 miles of mostly wild and rugged mountain land. Except for the town of Spokane, Wash., it was virtually uninhabited.

At the close of 1892, less than three years later, only a seven-mile gap remained in what once was referred to as “Hill’s Folly.” On Jan. 6, 1893, in the towering Cascades near Scenic, Wash., the final spike was driven.
Regular service between Seattle and the East over the new transcontinental line began in mid-year. Great Northern trains had been operating to Portland, Ore., however, since 1891, with running rights over the line of the Oregon Railway and Navigation Company from Spokane.

The Panic of 1893 swept a fourth of the nation’s railroad mileage into receivership, including the Northern Pacific, which prompted Hill’s first effort to unify the operations of the two lines. However, a plan in which Great Northern would agree to guarantee both the principal and interest on bonds of the reorganized Northern Pacific was found by the U.S. Supreme Court to be in conflict with a Minnesota statute prohibiting consolidation of parallel and competing lines.

1901 Saw Second Merger Attempt

Another precursor of the Burlington Northern merger was Hill’s second attempt at unification through formation of a holding company in 1901. The Supreme Court held this plan to unite the Great Northern, Northern Pacific and Chicago, Burlington & Quincy railroads in violation of the Sherman Act.

Hill abhorred an empty boxcar and the normal movement of freight over his newly completed Pacific Coast extension was certain to be preponderantly westbound. To avoid the waste of hauling empty cars eastbound and to develop the lumber industry in his territory, he drastically reduced lumber rates, opening new markets in the Mississippi and Ohio valleys to Pacific Northwest mills.

Service to Orient is Established

In 1896, Hill negotiated an agreement with Nippon Yusen Kaisha (NYK), the largest steamship line in the Pacific, resulting in the establishment of service between Seattle and Asian ports. It was a bold challenge to the established commerce between Europe and the Orient and marked the beginning of Seattle’s ascendancy as a world port. NYK and Great Northern established rates that soon enabled them to gather up steel rails from as far east as Pittsburgh, flour from Minneapolis and cotton from the South for shipment to the Orient.

By the close of 1900, new construction and acquisition of existing lines had boosted Great Northern’s operation to more than 5,000 miles, and a direct route to Chicago had become a competitive necessity. In 1901, Hill negotiated the purchase by Great Northern...
and Northern Pacific of nearly all of the outstanding stock of the Chicago, Burlington & Quincy Railroad, giving the parent lines access to Chicago and the markets of the Midwest and South.

The building of a railroad never ends, and Great Northern lines constantly were upgraded and frequently relocated for more economical operation and better service.

Major changes in the first two decades following the Pacific Coast extension included the original 2.6-mile Cascade Tunnel in 1900 to eliminate a series of hazardous switchbacks over Stevens Pass; a 69-mile relocation of the main line between Columbia Falls and Rexford, Mont., in 1904; and completion in 1912 of the Surrey cutoff between Fargo and Surrey, N.D., reducing Great Northern’s transcontinental route by 52 miles.

Meanwhile, in 1905, under Hill’s aegis, the Great Northern and Northern Pacific formed the Spokane, Portland and Seattle Railway Company (SP&S). The SP&S built a line from Spokane to Portland and subsequently acquired other lines in Oregon by purchase, lease and construction. Important new markets and sources of freight resulted.

On his retirement in 1912 from the chairmanship and active direction of the railroad system his genius had created, Hill said: “Most men who have really lived have had in some shape, their great adventure. This railway is mine.” He died in St. Paul on May 29, 1916.

The decade from 1920-1930 was one of brilliant achievement by Great Northern under the presidency of Ralph Budd. Improvements to the railroad in that period totaled $160 million, including two major engineering projects that attracted worldwide attention.

The weakest link in Great Northern’s route to the coast was its line across the Cascades: costly to operate, difficult to maintain and conspicuously out of place in a system that had the shortest line between the Great Lakes and the Pacific, with the least curvature and lowest grades.

On Thanksgiving Day 1925, the railway’s directors authorized construction of an eight-mile tunnel, the relocation of all but seven miles of the 50-mile line between Peshastin and Scenic, Wash., the elimination of nearly 12 miles of tunnels and snowsheds and the electrification of 75 miles between Wenatchee and Skykomish, Wash. The total cost of the historic project was approximately $25 million and its completion on Jan. 12, 1929, was announced by a nationwide radio broadcast in which President Herbert Hoover participated. At the time, the Cascade Tunnel was the second-longest tunnel in the Western Hemisphere. (Third longest was the seven-mile Flathead Tunnel in northwestern Montana, begun by Great Northern in 1966 and completed by Burlington Northern in 1970.) Operations through the Cascade Range were fully dieselized in 1956.

The second major project of the 1920s was Great Northern’s California extension through central Oregon, beginning in 1927 with 68 miles of construction from Bend to Chemult, Ore. Trackage rights over the Southern Pacific provided a link to Klamath Falls, Ore. Great Northern then built from there into California 92 miles while the Western Pacific was building north 112 miles from Keddie. The two lines met at Bieber, Calif., on Nov. 10, 1931. With the addition of California, Great Northern now served 10 states and two Canadian provinces: Minnesota, Wisconsin, North and South Dakota, Iowa, Montana, Idaho, Washington, Oregon, California, Manitoba and British Columbia.

First Empire Builder Inaugurated

Completion of the new Cascade crossing in 1929 was closely followed by the inaugural run of the Empire Builder passenger train, which operated daily between Chicago and the Pacific Northwest. Great Northern not only provided an outstanding passenger service through the years but was in the forefront in developing and promoting western tourism. The railway was closely associated with Glacier National Park in Montana, where it owned and operated hotels and other facilities until their sale in 1960.

Great Northern was a vital military supply line during World War II with all-time records for freight traffic set consecutively in 1942, 1943 and 1944. An all-time record passenger year was recorded in 1945.
The post-war years brought a virtual revolution in railroading, paced by dieselization of the motive power fleet. The steam-powered “iron horse” that built the West saw its last service on Great Northern in 1957. Centralized traffic control, train radio, continuous welded rail, computerization, electronic classification yards, specialized freight equipment and handling, and a host of other innovations not only accelerated the pace of railroading but also contributed immensely to the increased productivity that enabled railroads to keep rates stable and remain competitive. Great Northern, down through the years to merger, continued to earn recognition as one of the most progressive railroads in the nation.

Inaugurated in 1929, the famed “Empire Builder” was streamlined in 1947. A second completely new fleet followed in 1951, with dome cars added four years later.

Great Northern: A Brief History

1857
Minnesota legislature grants charter to Minnesota & Pacific Railroad Company

1862
St. Paul & Pacific Railroad operates two cars from St. Paul to the Village of St. Anthony (now Minneapolis)

1879
St. Paul & Pacific properties reorganized as the St. Paul, Minneapolis & Manitoba Railway Company

1881
Minneapolis & St. Cloud Railway acquired for its charter rights

1889
Minneapolis & St. Cloud name changed to Great Northern Railway Company (GN)

1890
GN takes over properties of the St. Paul, Minneapolis & Manitoba

1893
The final spike connecting Seattle to the East driven near Scenic, Wash.

1896
GN establishes service between Seattle and Asia

1901
Outstanding stock of the CB&Q jointly purchased by GN and Northern Pacific Railroad (NP)

1905
GN and NP form the Spokane, Portland and Seattle Railway Company (SP&S)

1970
GN merges with CB&Q, NP, SP&S and Pacific Coast Railroad to form Burlington Northern Railroad
A Blend of Cultural Symbols

Like many railroads, the Santa Fe experimented with several trademarks. In the late 1890s a Santa Fe vice president called together several staff members to solicit ideas for a new mark. Legend has it that J.J. Byrne, a passenger traffic manager, used a silver dollar to make a circle and drew in a cross. The words “Santa Fe,” meaning “Holy Faith” in Spanish, were included on the cross’s transverse bar as a reference to the city in New Mexico and the Spanish Christians who had settled in the Southwest. The design was also symbolic to the Native Americans of the area, who used a cross to depict the four directions of the compass and the circle to represent a wheel. In 1901, the Santa Fe officially adopted the new trademark, which endured throughout the railway’s rich heritage.
The story of the Atchison, Topeka & Santa Fe Railway (Santa Fe) is the story of the Southwest. It mirrors the same spirit of the early pioneers who ventured into this developing territory, their wagons and pack mules loaded down, their dreams of prosperity propelling them forward. The Santa Fe was said “to start nowhere and go nowhere,” but as the nation’s second transcontinental rail line, it eventually would connect the growing towns in what are now Kansas, Colorado, Oklahoma and Texas to the Pacific Coast and parts of the Midwest.

A second transcontinental railroad was encouraged for many reasons in the mid-1800s. Among these were the rush to California following the discovery of gold there, prosperous cattle drives from Texas to Kansas City, and the booming population of Kansas, where “sod busters” had produce and crops that needed to be moved to markets.

But a rail line in the Southwest was needed for more than just satisfying the grand visions of those seeking fortune in the fertile lands and mineral deposits of the West. It helped grow commerce along the Santa Fe Trail, a 780-mile-long transportation system. Considered a great route of riches, adventure and hardship, the trail was established by Spanish conquistador Francisco Vasquez de Coronado in the mid-16th century. Over the next 200 years, traffic and commerce along the “Trail of Holy Faith” expanded and Santa Fe, N.M., would become the trade center of the Southwest.

Establishing rail transportation in this romanticized “promised” land would not be easy. Only a few frontier towns existed. The nation was gearing up for a civil war. The railroad’s leaders sought financing. And the country was experiencing slow growth. It would require a visionary to overcome the many obstacles Santa Fe faced in its infancy.

Early on, Holliday saw the promise held by a railroad paralleling the Santa Fe Trail. In 1859, he single-handedly wrote the charter for the fledgling Atchison & Topeka Railroad. A member of the Kansas Territorial Legislature, Holliday introduced the charter on Feb. 1 and it was signed 10 days later.

But drought in the territory and war between the states made it difficult for Holliday to raise capital. Land grants needed to be secured so Holliday again put pen to paper and drafted a land-grant instrument that Sen. Samuel Pomeroy sponsored. The bill was signed by President Lincoln on March 3, 1863, granting land to the State of Kansas for the purpose of “aiding in the construction ... of a railroad from the City of Atchison via Topeka ... to the western line of the state, in the direction of Fort Union and Santa Fe, New Mexico.” The act also required the line be in operation in 10 years, a requirement that would test the fledgling railroad in the coming decade.

In an effort to make the railroad’s name more inclusive, the words “Santa Fe” were added in 1863. (The only other change to be made to the company’s name came in 1895 due to financial reorganization, when “railroad” became “railway.”) In July 1868, Congress authorized Santa Fe to purchase unallotted but fertile lands of the Pottawatomie Indian Reservation near Topeka for $1 an acre. The acquisition gave the company much-needed financial leverage. Holliday wrote: “The child is born and his name is ‘Success.’ – The Santa Fe Railroad will be built beyond peradventure.”

Cyrus K. Holliday's Dream

Father of the Santa Fe, Cyrus Kurtz Holliday was born in Pennsylvania in 1826 and migrated to Kansas in 1854. A lawyer by training but a promoter by trade, Holliday took a leading part in founding Topeka and was its first mayor. He would hold numerous local and state positions in his lifetime, but his most ambitious pursuit was in promoting his railroad.
The Wakarusa Speech
On Oct. 30, 1868, almost a decade after the Santa Fe charter was signed, the first spade of earth was turned at Topeka. Rather than constructing from Atchison, Kan., the line was built southwest from Topeka to Burlingame, Kan., due to nearby coal deposits in which Holliday had a financial interest. In order to secure supplies, a bridge was built on the north side of the Kaw River to connect with the Kansas Pacific and completed on March 30, 1869. Track laying soon began and by spring seven miles of track had been laid.

On April 26, 1869, the Wakarusa Picnic Special, a two-car excursion train using borrowed equipment and the Santa Fe’s first locomotive, the Cyrus K. Holliday, departed from Topeka to Wakarusa, a distance of 12 miles (seven by track, with the balance of the trip made in carriages). It was at this prairie gathering that Holliday made his famous Wakarusa speech, asserting the railroad would be built to Chicago, St. Louis, Mexico City, San Francisco and Galveston, Texas.

While many would laugh at Holliday’s vision and consider his ideas lunatic, William Allen White, the famous editor of The Emporia Gazette, would one day write: “The Santa Fe is the best thing that ever happened to Emporia. It is one of the best things that ever happened to Kansas. It is easily one of the best things that ever happened to this land.”

Within a year of the Wakarusa speech, the line reached Emporia, Kan., and from there, to Newton, Kan. Mileage was quickly added: from Topeka to Atchison; a branch from Newton to Wichita, Kan.; then west to Colorado under the direction of engineer Albert Alonzo Robinson. When it reached the Kansas-Colorado border in December 1872, a three million acre land grant was secured.

Under the presidency of Ginery Twichell, the railroad would continue to be guided behind the scenes by Holliday, who wanted to ensure his railroad and his adopted state would thrive. His association with the railroad would last for more than 40 years. Holliday died in 1900.

Leveraging Land to Attract Immigrants
Like other railroads, the Santa Fe’s land grant program helped populate the West. In 1872, the railroad established land agent offices in new towns that developed as track was built west. Agents pushed sale of the land to easterners, offering special rates with the ticket price applied to the purchase of land.

One of the largest colonies ever established by the Santa Fe Land Department was near Newton in 1874, when more than 8,000 Russian-born Mennonites migrated to Kansas. They left their homeland, where military service was to become compulsory, because they refused to bear arms. Despite disaster from drought and grasshoppers, the Mennonites raised crops in what before had been desolate plains. The hard red wheat seed they brought with them helped make Kansas the nation’s breadbasket.
Santa Fe Land Department offices were established in London in 1880, with recruiting offices in France and Germany. Immigrants came from Sweden, Wales, Scotland and other European nations. By 1886, the land grant acreage was completely sold and in 1897 the Land Department was discontinued. But the railroad would continue to actively settle developing territories, including Texas and New Mexico.

**Hard Times...**

Construction on the railroad slowed as other companies collapsed during the Panic of 1873. Funds were low, but the railroad stayed solvent while thousands of businesses folded, including many railroads. Thomas Nickerson became president of the railroad in 1874; although known for his genius as a financier, his administration was during a period of hard times. Kansas was hit in 1874 with a grasshopper plague so bad that wheels of locomotives slipped on starts. Buffalo also interfered with train operations as unmovable herds often blocked the line. Dry conditions in the summer resulted in prairie fires. In the winter, blizzards brought heavy drifts of snow. On a few occasions, Indians and robbers endangered the trains and their passengers.

Recognizing that business in this unpopulated, uncooperative land would have to be created, Santa Fe advertised Kansas heavily to the rest of the union. It hauled seed grain without charge and provided shelter and relief during hard times.

Considered a risk-taker by some, the railroad began to steadily grow—physically and financially. In 1875, Santa Fe entered Kansas City by leasing shortlines, an important connection for grain and cattle traffic. Under Santa Fe backing, the Pueblo & Arkansas Valley Railroad soon entered Las Animas, La Junta and Pueblo, Colo.

**... Strong Times**

William B. Strong from the Chicago, Burlington & Quincy joined Santa Fe as general manager in 1877 and in 1881 was made president. Strong and Robinson expanded the railroad in empire-builder fashion.

Strong aspired to build the railroad into New Mexico but another railroad, the Denver & Rio Grande (D&RG), had a similar ambition. The D&RG’s line ran south of Denver, paralleling the Rockies, and it eventually hoped to handle the exchange of traffic between transcontinental rails. The D&RG line ended just north of Trinidad, Colo., and the Santa Fe entered it from the east.

South of Trinidad lay Raton Pass, the only practical rail route from Colorado to New Mexico. In 1878, Strong ordered Robinson to occupy and hold Raton Pass. Robinson secured an agreement to build the railroad over the pass and occupied it with his men, beating D&RG’s construction crew by a matter of hours. Months later, the first train would enter New Mexico via switchbacks over the pass. (The main line was not built to Santa Fe due to difficult terrain but a branch line would serve the city.)

Santa Fe’s triumph over D&RG would be short lived. Rich silver deposits lay near Leadville, Colo., and both the D&RG and Santa Fe wanted to secure traffic to the mining area. But the only feasible route was through the Royal Gorge, a canyon that would not accommodate two lines. A “war” between the roads ensued in 1878, with “armies” enlisted for both sides to seize control of the canyon. Most of the fighting, however, was conducted in the courtroom. The U.S. Supreme Court would rule the D&RG had prior right to build the route, with use to be shared by both railroads. By 1880, Santa Fe dropped its plans for a Leadville extension.

Connection to Mexico was another prime objective of the railroad under Strong’s leadership. The Sonora Railway Co. was organized in 1880 for the purpose of building a railroad from the border at Nogales, Ariz., through Mexico to Guaymas on the Gulf of California. Work began at Guaymas in 1880, with 90 miles laid north to Hermosillo by 1881, and additional mileage to the U.S. border at Nogales completed the next year. An agreement was soon made with the Southern Pacific (SP) allowing Santa Fe to use its rails from Deming to Benson, Ariz. The New Mexico and Arizona Railroad Co. was incorporated in 1882 and started building from Benson toward Nogales; nine months later, the two lines met. This meant Santa Fe finally reached the Pacific outlet. The line’s completion gave Santa Fe claim to the longest rail line under one management in the world.
Harvey Houses
Santa Fe history is not complete without reference to Fred Harvey, who in 1876 began operating the Topeka lunchroom for Santa Fe employees. In 1878, Harvey contracted with the railroad to operate a hotel at Florence, Kan., where passengers could find good eating and pleasing accommodations. The concept rapidly caught on and a chain of hotels and restaurants followed. Known as “Harvey Houses,” the institution was considered the “greatest civilizing influence in the West.”

The “Harvey Girls” made their debut in 1883, when, at the urging of the Raton, N.M., manager, an all-female wait staff was hired. In 1888, Harvey’s services expanded to include the introduction of Santa Fe dining cars. With the slogan, “Maintenance of standard regardless of cost,” the Harvey system helped Santa Fe passenger train service earn the reputation as one of the finest and most respected in the nation. The era of Harvey-operated dining cars came to an end in 1968 but some of the country’s most luxurious hotels, including La Posada in Winslow, Ariz., La Fonda in Santa Fe, and The Castaneda in Las Vegas, N.M., were first erected as Harvey Houses. El Tovar, at the south rim of the Grand Canyon, is also a lasting reminder of the era’s luxury accommodations.

Looking Westward
In July 1879, Las Vegas, N.M., was reached – 114 miles from the Colorado boundary. After arriving in Albuquerque in 1880, the main line was built quickly toward Deming and on March 8, 1881, the nation had its second transcontinental railroad when Santa Fe connected to the Southern Pacific. While the Santa Fe finally had access to the Pacific, the connection was not all it desired. The railroad wanted its own route to the coast but attempts to extend its line into California to reach the San Francisco and San Diego ports were thwarted by competitors.

On Jan. 31, 1880, Santa Fe acquired one-half of Atlantic & Pacific Co. (A&P) and agreed with the other principal, the St. Louis & San Francisco Railway Co. (Frisco), to build the Western Division of A&P from New Mexico to California. The A&P was quite a gem, holding a Congressional land grant of millions of acres (though much of it was wasteland). The A&P project would give the Santa Fe the means it sought to develop Pacific Coast traffic.

Later that year, the California Southern was organized to construct the line from San Diego through San Bernardino to meet the A&P. But it would take years of compromise, court orders and trackage rights agreements before Santa Fe reached the coveted ports of San Diego and San Francisco. Santa Fe continued to expand its California trackage by acquiring smaller lines. A line was built into Los Angeles in 1887.

That same year, construction crews moved south from Arkansas City, Kan., through Indian Territory, while the Gulf, Colorado and Santa Fe (GC&SF), a Galveston, Texas-based railroad, was building north. When it fell on hard times, Santa Fe purchased the line and built north from Fort Worth, Texas, to connect with the Arkansas City line.

While rail was being laid into Indian Territory and the Texas Panhandle, Santa Fe management knew it needed to build eastward toward Chicago, the “railroad capital,” to stay competitive. In less than a year, 350 miles of new rail were laid and 100 bridges built, with the first train reaching Chicago in 1888.

Less than 20 years after Holliday had begun the little 136-mile Kansas railroad, the Santa Fe system extended from Lake Michigan to the Pacific Coast, from Denver to the Gulf of California, and from Kansas to the Gulf of Mexico.

The famous “Harvey Girls” not only helped make Fred Harvey’s chain of hotels and restaurants a success, they also helped Santa Fe develop a reputation for some of the best passenger rail service in the nation.

Receivership
At the end of 1887, Santa Fe was considered a healthy company, owning, operating or controlling 7,373 miles of railroad. But financial trouble was brewing. After Santa Fe’s new lines failed to earn profits, William Strong resigned as president in 1889 under pressure from the board. In 1890, the railroad purchased the outstanding stocks of the Colorado Midland Railway Co. and the Frisco through an exchange of stock. Other lines were over-expanded. The company was in debt. Bankruptcy was delayed, but in 1893, when credit was refused, the company was placed in receivership.

Interest in the Colorado Midland Railway Co. was immediately sold and on Jan. 1, 1896, the new company emerged as the Atchison, Topeka & Santa Fe Railway Company with 6,435 miles of track and other holdings. Edward P. Ripley was elected president and among his first undertakings was to sell the company’s share of the Frisco.

Glory Days of Passenger Service
In 1892, the first run of the California Limited was operated between Chicago and Los Angeles, ushering in an era of distinctive passenger train service. Like other railroads at the turn of the century, the Santa Fe ran a special that generated nationwide interest in a train’s race against time. To attract attention to passenger Walter “Death Valley Scotty” Scott, the Coyote Special in July 1905 ran from Los Angeles to Chicago in 44 hours, 54 minutes at an average speed of 50.4 mph, helping establish Santa Fe’s reputation as a fast railroad.
In 1911, Santa Fe began operating the DeLuxe, weekly extra-fair train service between Chicago and Los Angeles, which was “limited to 60 people.” Santa Fe’s rich passenger train heritage included trains such as El Capitan, The Grand Canyon, The Kansas Cityan, The Chicagoan, The Super Chief, The Texas Chief, and The San Francisco Chief.

While the Santa Fe was not the first railroad to use diesel-electric locomotives, it was the first to use them in all three types of service: passenger, freight and switching. Its No. 2 diesel was the first to carry the symbolic red and silver Warbonnet paint scheme, introduced in 1937.

Santa Fe has been known for more than just its signature look. The railroad also carried a reputation as a service innovator. During the 1960s, the company designed a multi-level railcar. In 1968, Santa Fe introduced a “land bridge,” attracting traffic away from the Panama Canal by reducing transit time. In 1978, its Topeka Shops built “Fuel Foilers,” articulated 10-unit spine cars for long-distance intermodal service. The articulated Autoveyer was introduced in 1992.

**A New Wave of Mergers**

Considered long-time rivals, the Santa Fe and Southern Pacific (SP) became allies in 1980 when merger talks between the two railroads commenced. The discussions were in response to rival Union Pacific’s Missouri Pacific-Western Pacific merger, but Santa Fe-SP merger discussions terminated later that year. The second Santa Fe-SP merger attempt in 1983 was rejected in 1986 by the Interstate Commerce Commission on the grounds it would be anti-competitive.

The Santa Fe created one of the longest and proudest legacies in the history of American railroading, helping to define, promote and develop an entire region of the country.
NP’s Monad Represents Good Luck

The two comma-shaped figures that form the Northern Pacific’s famed Monad are more than a symbol — they represent an ancient world view and tradition. At the Chicago World’s Fair of 1893, E.H. McHenry, NP’s chief engineer, visited the Korean exhibit and was impressed by its flag featuring the Monad design. He adopted the symbol for NP and began a search to learn of its origin, which dates to ancient China. The design incorporates two basic principles — the yang and the yin — represented by opposing halves of the symbol. Their meanings were light for yang and shadow for yin, or the active and the passive. Over the years, they have had many different interpretations and, to some, the Monad has come to represent “good luck.”
Etched indelibly in the history of the Northern Pacific — the first of the northern transcontinentals — are the names of visionaries who, long before the railroad was built, recognized the vital need for a rail line spanning the continent from Lake Superior to the Pacific.

Dr. Samuel Bancroft Barlow of Massachusetts championed a northern line as early as 1834. Eleven years later, Asa Whitney conducted explorations nearly 1,500 miles up the Missouri River, returning to urge Congress to charter and authorize construction of a railroad along the northern route.

Edwin F. Johnson, an eminent engineer, made intensive studies in the early 1850s and published a widely circulated book advocating a northern transcontinental line. In 1853, after considerable debate over competing routes, the U.S. Congress voted an appropriation for five separate surveys.

Commissioned to survey the northernmost route was Isaac I. Stevens, an experienced Army officer and first governor of Washington Territory. His comprehensive, two-volume report showed the route to be a very favorable one, rich in natural resources and potentially of great economic importance to the growing nation.

Finally, there was Josiah Perham of Massachusetts, who made intensive efforts to persuade Congress to authorize construction of the Northern Pacific and later became the company’s first president.

Act Creating NP Signed by Lincoln
The vision and persistent labors of these men bore fruit on July 2, 1864, when President Abraham Lincoln signed an Act of Congress creating the Northern Pacific Railroad Company (NP). It would have its eastern terminus at Lake Superior and its western terminus at Puget Sound. Much of its route would follow the trail blazed by Lewis and Clark on their landmark expedition across the uncharted West in 1804-06.

Edwin F. Johnson, an eminent engineer, made intensive studies in the early 1850s and published a widely circulated book advocating a northern transcontinental line. In 1853, after considerable debate over competing routes, the U.S. Congress voted an appropriation for five separate surveys.

Commissioned to survey the northernmost route was Isaac I. Stevens, an experienced Army officer and first governor of Washington Territory. His comprehensive, two-volume report showed the route to be a very favorable one, rich in natural resources and potentially of great economic importance to the growing nation.

Finally, there was Josiah Perham of Massachusetts, who made intensive efforts to persuade Congress to authorize construction of the Northern Pacific and later became the company’s first president.

The Act provided for a right-of-way through public lands 200 feet on either side of the tracks, as well as ground for station buildings and other railroad facilities. Also provided were grants of land that could be sold by the company to finance construction through the largely unsettled and unproductive territory.

But the land was of little or no value without the railroad, nor did it serve as a stimulus to the selling of stock as had been hoped. Additionally, the Act specifically prohibited the company from issuing bonds or imposing mortgages on its property. As a result, the pioneer incorporators, with all of their enthusiasm and energy, faced almost insurmountable obstacles in progressing the ambitious project.

The impasse wasn’t resolved until 1870, when Congress authorized the Northern Pacific to issue bonds to aid in construction and to secure the bonds by a mortgage on all of its property and rights of property, including its franchise as a corporation. Bonds were issued and the banking house of Jay Cooke and Company was appointed to sell the bonds and handle the company’s finances.

Construction Begins in Minnesota
A formal groundbreaking ceremony on Feb. 15, 1870, near the present town of Carlton, Minn., a few miles west of Duluth, Minn., marked the start of the Minnesota Division of the Northern Pacific Railroad Company. Actual construction began in July, with adequate financing assured.
The first stirrings of activity on the west end of the projected transcontinental line came at about the same time, the initial goal being to link Portland, Ore., and Tacoma, Wash. Completion of the segment between Kalama, Wash., on the north bank of the Columbia River, and Tacoma came in 1873. Much of the material and equipment for this first standard-gauge railroad in Washington Territory was shipped around Cape Horn from the Atlantic seaboard.

That same year tracks from the East reached Bismarck and the Missouri River in Dakota Territory. A year earlier the fledgling company had leased the Lake Superior & Mississippi River Railroad, giving it a line between Duluth and St. Paul.

At this juncture, construction ground to an almost complete halt as the Panic of 1873 brought failure to Jay Cooke and Company and bankruptcy to the railroad. Five years would pass before new financing could be obtained and progress resumed.

Reorganization and refinancing under the presidency of Frederick Billings breathed new life into the company, and in 1879 the westward march began anew. Tracks reached the eastern boundary of Montana Territory in 1881, and by July 5 that year the railroad added Glendive, Mont., to its route.

Construction up the Yellowstone Valley from Glendive proceeded rapidly during 1882, with the season’s work ending at Livingston, Mont., in November. During this period the company was faced with acute shortages of both labor and material. The first was resolved by bringing over from China 15,000 of the required 25,000 laborers. The second, caused by a domestic steel shortage, was surmounted by importing rails, plates and spikes from France and England.
Meanwhile, taking advantage of trackage completed by the Oregon Railway and Navigation Company between Portland and Wallula, in southeastern Washington, the NP rapidly pushed its eastward construction from that point. By the spring of 1883, only 300 miles remained between the two railheads.

Delayed construction of the Pacific Coast line was resumed in 1883, with a September completion of the remaining segment between Goble, on the south bank of the Columbia River, and Portland. A large car ferry bridged the river between Kalama and Goble. Operations on an extension to Seattle began in July 1884.

Under the dynamic leadership of Henry Villard, who became president of the Northern Pacific in 1881, the lines from the East and West were finally joined.

Villard had emigrated from Germany in 1853 at the age of 18, studied law and subsequently became a distinguished journalist. He reported the Lincoln-Douglas debates and the Chicago convention where Lincoln was nominated for president. In Washington, he covered the political front for a syndicate of newspapers and as a war correspondent he chronicled important engagements of the Civil War.

Villard’s entry in the transportation field came on a visit to Germany, where a group of European financiers persuaded him to represent them in protecting their investments in American railroads. He not only served his clients well, but soon organized his own company, which eventually led to control of the Northern Pacific.

Completion of the first of the northern transcontinentals was the signal for a lavish celebration at Gold Creek, Montana Territory, where tracks from the East and the West were joined on Sept. 8, 1883. Arriving by special train were distinguished guests from the United States, Germany, England and the Scandinavian countries. Witnessing the ceremony were cabinet officials, 10 U.S. senators and three former senators, 20 congressmen and four former congressmen, nine governors of states and four ex-governors, 25 of the nation’s top railroad executives, judges, mayors and 50 journalists.

After the oratory, 300 men quickly laid the rail and drove the spikes on the last thousand feet of track. The ceremonial “last spike” – not gold – was driven by former President Ulysses S. Grant and Villard. It was the same spike used 13 years earlier to mark the beginning of construction near Carleton, Minn.

The joining of the rails at Gold Creek marked the first through-route from Lake Superior to the Pacific Coast, but not the end of construction. It was still necessary for Northern Pacific trains to run over the rails of the Oregon Railway and Navigation Company from Wallula to Portland. To comply with its charter requirements, the NP had to build a line from Wallula to Tacoma.

Crossing the rugged and heavily forested Cascade Mountains took from 1883 to 1887 and was fraught with engineering and construction problems. The pioneer line ascended the steep mountain grades on switchbacks until completion of the 1.8-mile Stampede Tunnel in 1888.

Rapid Growth Follows NP Completion

Less than seven years after Gold Creek, and within three years of the Cascade line completion, the entire tier of northwest territories had sufficient population to join the Union. North Dakota entered on Nov. 2, 1889; South Dakota, which derived much of its population through immigration over the Northern Pacific, came in the same day. Six days later, on Nov. 8, Montana achieved statehood, followed by Washington on Nov. 11. Idaho joined the ranks on July 3, 1890.

The growth and ultimate admission of these states into the Union tell a graphic story of the part played by Northern Pacific in the settlement and development of the Northwest.
Shortly afterward, the NP and GN joined again in constructing the Spokane, Portland and Seattle Railway. Begun in 1905 and completed in 1908, its almost 1,000 miles of main line served productive areas of Washington and Oregon.

**NP Transport Subsidiary Formed**

In 1932, Northern Pacific formed a wholly owned subsidiary, the Northern Pacific Transport Company (NPT), to provide highway freight and passenger service as a motor common carrier and to supplement its rail service. NPT was authorized to operate in the states of Washington, Montana, Idaho, Wyoming, North Dakota and Minnesota.

During World War II and the following decade, Northern Pacific carried out a major rehabilitation program, rebalasting and laying heavier rail on 2,000 miles of lines. More than 300 main line curves were eliminated or reduced, bridges and tunnels replaced, and new shops and freight houses built.

As part of its continuing effort to streamline operations and expedite the movement of traffic, NP introduced train radio, continuous welded rail, centralized traffic control and many other technological innovations. The replacement of its steam fleet with efficient diesel-electric locomotives was begun in 1938 and completed in 1958.

At Pasco, Wash., the company constructed the first modern electronic freight classification yard in the Pacific Northwest. Completed in 1955, it provided more expeditious handling of the increased traffic from the vast Columbia Basin agricultural empire.

NP installed its first computer in 1957, heralding a new era of efficiency in operations and management. The vital need for a speedy, dependable system to handle the increasing amount of transmitted computer data, as well as telephone communications, prompted the company to begin construction of a microwave system linking St. Paul, Seattle and Portland.

The installation between Seattle and Portland was completed in 1964. Five years later, the last microwave tower between Seattle and St. Paul was erected, completing the system and ending NP’s dependence on wire transmission, which was vulnerable to winds, storms, snow and sleet.

On March 2, 1970, Northern Pacific became part of Burlington Northern Inc., when it merged with the Great Northern; Chicago, Burlington & Quincy; Spokane, Portland and Seattle; and Pacific Coast Railroad.

Offering service between Chicago and Seattle, the “North Coast Limited” was inaugurated on April 29, 1900. Streamlined equipment was introduced in 1948 and when the dome car was added in 1954, the flagship train was renamed “The Vista-Dome North Coast Limited.”

**Fiscal Crisis Brings Receivership**

In the decade following completion of the transcontinental line, the NP turned its energies to constructing branch lines and expanding its operating and other facilities. As the territory prospered, so did the railroad.

The financial crisis that swept the country in 1893 forced a number of lines into receivership, among them the Northern Pacific. The receivership ended in 1896 when the property of the railroad was sold to a new corporation called the Northern Pacific Railway Company. Successfully reorganized on a sound financial basis and with continuing improvement in business conditions, the future brightened for the new company.

**Burlington Purchased by NP and GN**

In 1901, the Northern Pacific and Great Northern jointly purchased nearly all of the outstanding stock of the Chicago, Burlington & Quincy Railroad (CB&Q), providing the two lines with direct access to Chicago and the markets of the Midwest and South.
Northern Pacific’s Lewis and Clark Heritage

No event in history had a greater impact on western railroad construction – and particularly that of the Northern Pacific – than the Lewis and Clark Expedition of 1804-06.

The formal beginning of what has been described as “our national epic of exploration” was President Thomas Jefferson’s unpublicized message to Congress on Jan. 18, 1803, requesting $2,500 “for the purpose of extending the external commerce of the United States.”

President Jefferson, realizing its importance to the young nation, had long wanted to explore the route to the Pacific, even before the Louisiana Purchase. Within a month of the signing with France on July 4, 1803, 29-year-old Captain Meriwether Lewis was on his way down the Ohio River in a keelboat loaded with supplies for the expedition. His co-captain in the “Corps of Discovery,” William Clark, would join him at Louisville, Ky., on Oct. 26.

The historic journey into the little-known Missouri River country began at St. Louis on May 6, 1804. The basic mission of the band of courageous men led by Lewis and Clark would be to survey and describe a route from the Rockies to the North Pacific shore – an overland right-of-way from the Louisiana Purchase to the point of Captain Robert Gray’s Columbia River discovery.

No other white men had ever made this long, hazardous journey through the wild Upper Missouri, across forbidding mountains and then down the great Columbia River to the sea.

When the Lewis and Clark party returned in August 1806 to the Dakota country near present-day Mandan, where they first wintered in 40-below-zero weather, they had been lost to the world for nearly two and a half years. Generations of Americans have since been thrilled and inspired by their adventures and accomplishments during that period. The expedition journals, with carefully detailed notes on botany, wildlife and Native American customs and languages, permanently enriched the nation’s cultural and scientific heritage.

Not long after the expedition’s conclusion, agitation began for the construction of railroads to serve the new territory. Many in time would follow or transect the Lewis and Clark route, but most notably the Northern Pacific. From Bismarck, N.D., the NP main line paralleled the explorers’ trail along the Missouri, Yellowstone, Gallatin and Jefferson rivers to Helena, Mont., then picked the trail up again where the little band canoed down the Snake River to its confluence with the Columbia, near present-day Pasco, Wash. Many cities and towns along the NP in North Dakota, Montana and Washington closely identify with episodes in the Lewis and Clark journals.

Meriwether Lewis and William Clark opened an unexplored wilderness to settlement, reinforcing the claim of their nation to the so-called Oregon Country. The Northern Pacific Railway became the instrument of settlement.
The Tale of Two Roads

The Fort Worth & Denver trademark was unusual in the fact that it never included the railway’s name. It used the railroad’s moniker, “The Denver Road,” and claimed itself as the “Shortest Route to Colorado and the Northwest.”

The Colorado and Southern logo featuring the well-known circle design with simple block letters was adopted in the early 1900s. The background of the circle, which was originally blue, was changed to black when the logo was updated in 1920.
While the empire builders dreamed of transcontinental railroads connecting the markets of the East to the growing Pacific Coast, other rail entrepreneurs envisioned laying track through the interior of the country. One such visionary, John Evans, desired to link by rail the Gulf of Mexico and Texas with the Rocky Mountain region, an area with tremendous natural resources and unlimited opportunities.

The Tale of Two Roads

Meanwhile in Texas, men like Col. Warren H.H. Lawrence and Gen. Grenville M. Dodge saw great opportunity for rail in the Southwest. They recognized the value of connecting their Texas railroad to the Rockies, a link that would accommodate growing commerce. Thus the stories of the Colorado and Southern and the Fort Worth & Denver began similarly and would eventually end with the same final chapter.

The Gulf-to-Rockies Dreamer

John Evans was born in 1814 in Waynesville, Ohio, and was educated as a doctor. After moving to Chicago in 1848, he began a 10-year association with the Fort Wayne and Chicago Railroad. His efforts as an advocate of various civic and transportation projects were recognized by national figures, and in 1862 he was appointed territorial governor of Colorado by President Abraham Lincoln.

At the time of Evans’ appointment, Colorado was as isolated as it was difficult to colonize. The territory’s mountains were forbidding, making it difficult to move supplies and send communication. In the 1870s, the Rio Grande, the Santa Fe and the Union Pacific (UP) all built lines into the territory.

Evans believed an alternate rail outlet to eastern markets would greatly benefit Colorado. His idea was to build a line to the Gulf of Mexico, where steamers would connect and move traffic to the Atlantic seaboard. Not only would the line create effective competition with its low rail and water rates, it helped build local economies, especially Denver and Pueblo.

Evans organized a railroad to run southward from Denver in 1881. Incorporated in Colorado on Jan. 5, 1881, the Denver and New Orleans Railroad (DNO) was Evans’ first major step toward completing his vision. The DNO line was strategically planned to connect with the Texas Central, which would provide access to the Gulf of Mexico at Galveston, Texas. It would cross the Santa Fe at La Junta, Colo., providing access to the Gulf of California, and connect with the Missouri, Kansas and Texas at or near Fort Worth, Texas, where the rails of the Texas and Pacific Railway would lead to New Orleans.
The new enterprise would be extremely advantageous to Denver and Evans busied himself with financing the project, but the connection between the Rocky Mountains and Texas had not yet fully crystallized.

The Texas Connection
With its tremendous undeveloped resources, Texas was full of opportunities. Its first railroad began operations in 1853 and by 1870 a 700-mile rail network had emerged. Construction moved northwest from the Gulf Coast and by 1873 Fort Worth was just 35 miles from the Gulf-Kansas City main line, to which it would be joined with the coming of the Texas and Pacific.

In 1880, Fort Worth was a frontier town of about 9,000 people, an active trading center and potential railroad center for the West. Former Kansas politician Col. Warren H.H. Lawrence had moved to the city in 1868. He, too, was interested in railroads and visualized a Gulf-to-Rockies route. Lawrence had introduced a bill to the Texas Legislature encouraging a connection with any Colorado railroad and though the bill was vetoed, Lawrence continued to pursue his goal. Working with other leading citizens, he drew up a charter for the Fort Worth & Denver City Railway Company (FW&D), which became effective May 26, 1873. The charter specified that the FW&D would build and operate a line at or near Fort Worth, where it would form a junction with the Texas and Pacific and head northwesterly in the direction of Denver.

The line’s construction was delayed as a result of the Panic of 1873. Grading began in 1881 at Hodge, near Fort Worth, under the guidance of Gen. Grenville M. Dodge, a civil engineer who had built several major lines, mostly the UP.

Back in Colorado, Evans was still seeking a connection to Texas. Somehow he had overlooked the FW&D, but his attention was brought to the modest line in 1881. Dodge and Evans negotiated an agreement that would have the two roads meet at the Canadian River. However, Dodge and the FW&D remained cautious by not extending their line without certainty that Evans’ road was financially stable, even though Dodge believed a Gulf-to-Rockies system was long overdue.

Tripping Up the Competition
In the early 1880s, in the face of opposition from the Rio Grande, Santa Fe and UP, Evans began building the DNO south from Denver to Colorado Springs and Pueblo, Col., on a reconfigured route as he determined that the railroad had a better chance of survival if it were built into established cities. However, his enterprise suffered losses and floundered. In 1885, the road was reorganized and emerged as the Denver, Texas and Gulf Railroad Company.

Evans knew that for his dream to be realized, one of the larger, established railroads in Colorado would have to let him move forward with his plans. He used an offer from the Santa Fe to ensure the survival of his railroad as well as to get the attention of Dodge.

In 1880, Santa Fe agreed with Rio Grande and UP not to build a line north or west of Pueblo for 10 years, a restriction Santa Fe’s W.B. Strong felt severely hindered the railway. In 1884, Strong was ready to abandon the agreement, even to the point of purchasing Evans’ railroad. The directors disapproved of Strong’s plan, but by 1887, the Santa Fe wanted an independent entrance into Denver. Strong was directed to either buy Evans’ road or build one. Evans used Santa Fe’s offer as a bargaining point with Dodge. Following negotiations, Evans and Dodge finally had an agreement, signed on Feb. 15, 1887. The agreement would close the 481-mile gap between Pueblo and Quanah, Texas, the current FW&D railhead, and provide for an independent operation of the entire Gulf-to-Rockies route.
Under the guidance of both Evans and Dodge, a new company, designated the Denver, Texas and Fort Worth Railroad, was incorporated in Colorado on April 12, 1887. This company operated a railroad from Pueblo to the Texas-New Mexico border and acquired control of both the Denver, Texas and Gulf and the FW&D. On March 14, 1888, the FW&D physically connected with the Denver, Texas and Fort Worth Railroad (later known as the Colorado and Southern) at Union Park near Folsom, N.M. This “Panhandle Route” would complete the through-route from Denver to Texas.

Incorporated in Colorado on Dec. 17, 1888, the Colorado and Southern (C&S) comprised nearly 30 railroad companies, combined 1,085 miles of track and held a controlling stock interest in the FW&D. In 1908, both the C&S and the FW&D became a part of the Chicago, Burlington & Quincy system, which later became part of the Burlington Northern on March 2, 1970.

A Fort Worth & Denver City Railway Company stock certificate valued at $100. The owner was John M. Budd, who led the merger that formed Burlington Northern in 1970. Budd served as chairman and CEO of the newly formed company until 1971.

Fort Worth & Denver; Colorado and Southern: A Brief History

May 26, 1873
Fort Worth & Denver City Railway Company (FW&D) charter becomes effective

Jan. 5, 1881
The Denver and New Orleans Railroad (DNO) incorporated

1885
DNO reorganized as the Denver, Texas and Gulf Railroad Company

Feb. 15, 1887
Denver, Texas and Gulf and the FW&D sign agreement to close the gap between Pueblo and Quanah, Texas, the current FW&D railhead, providing for an independent operation of the entire Gulf-to-Rockies route

April 12, 1887
Denver, Texas and Fort Worth Railroad (later known as the Colorado and Southern) incorporated in Colorado. New company operates a railroad from Pueblo to the Texas-New Mexico border and acquires control of both the Denver, Texas and Gulf and the FW&D

March 14, 1888
FW&D lines connect with the Denver, Texas and Fort Worth Railroad at Union Park near Folsom, N.M.

Dec. 17, 1898
The Colorado and Southern (C&S), comprising nearly 30 railroad companies, is incorporated and holds a controlling stock interest in the FW&D

1908
The C&S and FW&D become part of the Chicago, Burlington & Quincy system, which becomes part of the Burlington Northern in 1970.
Oval Trademark Identified SP&S
The first time the Spokane, Portland and Seattle used a trademark was on its timetable in 1910, two years after the last spike was driven. Because the SP&S was so often referred to as “The North Bank Road,” that phrase became featured in the logo. Below it was the railway’s official name in an encircling band, and above was another well-known phrase: “Columbia River Scenic Route.” Eventually, the descriptive phrases were eliminated from the trademark and the company’s name became the sole element highlighted in the oval.
Geography and a leader’s keen vision of the vast potential for commerce along a water-level route through the towering Cascade Mountain Range combined to create the Spokane, Portland and Seattle Railway Company (SP&S) shortly after 1900.

The SP&S was incorporated under the general laws of the State of Washington on Aug. 23, 1905, as the Portland and Seattle Railway Company, but its heritage dates from the early 1880s.
The West still beckoned and the potential for a new line into Oregon commanded Hill’s intense interest. NP rights along the Columbia River’s north bank provided an attractive route and the two “Northern Lines” joined forces. From the beginning, the venture was controlled and financed jointly by GN and NP, each with 50 percent ownership. This division of interest afforded the independence that gained recognition for the new railroad as “The Northwest’s Own Railway.”

On Feb. 1, 1908, the name of the fledgling corporation was formally changed to Spokane, Portland and Seattle Railway Company through a charter amendment.

Harriman Dispute Settled in 1907

When work began in August 1905 on the first segment of the new “North Bank Line” between Vancouver, Wash., and a connection with the NP at Pasco, it triggered the active opposition of Edward H. Harriman’s OR&N and competitive interests along the river’s south bank. The contest for supremacy in common territory created several intensely dramatic situations.

SP&S initiated construction simultaneously at several locations along the Columbia to firmly establish its rights. Rival obstructive tactics were frequent until the courts settled a dispute over Cape Horn Tunnel, 35 miles east of Portland, in 1907.

Harriman interests began tunneling from the west, while SP&S crews bored from the east. Only one tunnel could be made through the towering monolith at the river’s edge, and its control held the fate of the north bank route. The courts affirmed the claims of Hill and the SP&S, judging that Harriman had no intention of actually building and operating a north bank line.

Gold Spike Driven March 11, 1908

Construction of the new line was completed in record time. The last rail between Vancouver and Kennewick, Wash., across the river from Pasco, was laid Feb. 26, 1908, at Sheridan Point, 50 miles east of Vancouver. Two weeks later, on March 11, an excursion train brought scores of dignitaries to the site for the ceremonial driving of a golden spike.

Commerce moved over segments of the line during construction and by May 1909 the entire 375-mile line between Marshall, near Spokane, and Portland was in service.

The new line thrived as lumber and other Pacific Northwest products moved to connections with the parent railroads at Spokane. Its success spurred expansion through acquisition of other lines in Washington and Oregon and by construction of lines for wholly owned subsidiaries.

The Columbia River and Northern Railway Company line built in 1902 from Lyle, Wash., on the banks of the Columbia River, north to Goldendale, Wash., was purchased March 30, 1908. Two years later, the SP&S purchased the Astoria and Columbia River Railroad Company, founded in 1895. Its line from Holladay, near Astoria, to Goble, Ore., and a branch south to Fort Stevens, Ore., opened a gateway to the mouth of the Columbia.

The highly productive Willamette Valley south of Portland and its access to timber in the flanking Cascade and Coast mountain ranges commanded Hill’s continued interest in penetrating Oregon more deeply.

In February 1910, he purchased nearly all of the stock of the Oregon Electric Railway Company (OE), which had been formed in 1906 to construct or acquire lines south through Salem to Roseburg, Ore. The United Railways Company, formed in 1906 as an interurban electric, serving parts of Portland and extending west into the Tualatin River Valley, was similarly acquired by Hill.

Hill Eyes Deschutes Canyon Route

The Oregon Trunk Railway (OT) was formed by competitors in 1909, establishing claims to a right of way along the Deschutes River Canyon in central Oregon. This line was seen by Hill as a choice route east of the Cascades that could extend south all the way into California. This line was linked with the SP&S by bridging the Columbia River between the mouth of the Deschutes River and Wishram (then known as Fallbridge) on the SP&S main line in Washington.

Hill made cash advances to the Oregon Trunk for construction on June 4, 1910. That same day, he offered half interest in the Oregon Trunk and his earlier acquisitions — the Oregon Electric and United Railways — to Northern Pacific. This offer, which was accepted by the NP on June 6, was made with the understanding that the lines and their extensions become property of the SP&S. An exciting new chapter in Pacific Northwest railroad history began to unfold.

Harriman’s interest in the Deschutes River route into central Oregon paralleled that of Hill. The OT and Harriman’s Deschutes Railroad chose opposite banks of the Deschutes Canyon and raced to reach control points to the south. Rival crews intermittently, and sometimes violently, obstructed the progress of the other.

The Crooked River Bridge in Oregon was the highest arch bridge in the U.S. when it was built in 1911, spanning a canyon 320 feet deep and 350 feet wide.
The “War of the Gorges” was finally settled by a federal ruling known as “The Canyon Act” and on Sept. 30, 1911, the two companies reached a compromise by completing a single line from Metolius to Bend, Ore., the OT’s southern terminus.

In December 1921, United Railways, by then a subsidiary of the SP&S, acquired the Portland, Astoria and Pacific Railroad Company and Nehalem Boom Company, both owned by the Oregon-American Lumber Company. The Gales Creek and Wilson River Railroad Company, founded in 1917 to build lines west of Portland from Wilkesboro to Tillamook on the Oregon coast, was purchased by land development subsidiaries of the NP and GN in January 1922 in the interest of the SP&S.

These added rail lines linked with the Oregon Electric and the SP&S line to Astoria, Ore., expanding rail traffic potential from the points west of Portland. Nehalem Boom Company, in addition to lumber- and logging-related operations, held railroad rights along the Columbia and Willamette rivers northwest of Portland.

The SP&S also served as an intermediary for its parent companies in real estate and steamship ventures.

Ruth Trust Company, founded in 1908 by incorporators of United Railways, later was placed in SP&S control. Its name was changed in 1913 to Ruth Realty Company.

Great Northern Pacific Steamship Company was formed by GN and NP on Sept. 30, 1914, to acquire and operate ships, tugs, other watercraft and attendant marine service facilities. Its primary purpose was to provide a fast passenger service to California in competition with the Southern Pacific, the immediate incentive being the opening of the Panama-Pacific International Exposition in San Francisco in 1915.

The SP&S was issued all outstanding shares in the steamship company and contracts were let for the construction in Philadelphia of two luxury vessels, the “Great Northern” and “Northern Pacific,” at a cost of $4,463,500.

Service began in March 1915 on a 27-hour schedule between Flavel (Astoria) on the Columbia River and San Francisco, with six round trips per month. At the time, these ships were the fastest vessels operating under the American flag.

World War I brought an end to this venture when the “Great Northern” and “Northern Pacific” were “drafted” by the U.S. Navy and outfitted for trans-Atlantic troop service, where they performed with distinction.

On their own competitive lines, the parent companies set a vigorous pace of industrial development and freight and passenger service that was matched by their offspring. The SP&S emerged with a style of its own that capitalized on this competitiveness. A new service offered by one parent that involved the SP&S was quickly matched by the other parent.

The SP&S attracted hundreds of major industrial plants to locations along its lines and those of its subsidiaries, and in the days before private automobiles, the company boasted the services of as many as 50 daily passenger trains.

Construction of hydroelectric dams on the Columbia River in the 1930s and 1950s brought new surges of industrial development. These also forced the SP&S main line along the north bank to relocate. New rail, laid in an era of more advanced railroad technology, won acclaim for the SP&S for one of the finest stretches of track in the nation.

The SP&S had its own presidents from 1907 through 1932, after which presidents of the parent companies alternated as chief executive officers, with management and operating responsibilities delegated to a vice president and general manager.

From 1932 to 1940, the SP&S was operated as a division of the parent companies under a superintendent headquartered at Portland, Ore., who was responsible to general managers of the parent companies at Seattle.

Twin steamships “Great Northern” and “Northern Pacific” each had a 20-knot speed and a crew of 201. In winter, they ran between San Francisco, San Pedro and Honolulu, returning to their coastal route in the spring.

From 1932 to 1940, the SP&S was operated as a division of its parent companies, the GN and NP. In 1970, the SP&S merged with the GN, NP, CB&Q and Pacific Coast Railroad to form Burlington Northern Railroad.
Rivers Shaped the Destiny of the SP&S

Great rivers of the West were a major influence in railroad location, and nowhere was this more apparent and significant than with the SP&S.

Rivers have been natural arteries of travel and commerce throughout human history. But in the mountainous West, their deep gorges and occasional flood plains also offered the most suitable grades for railroads.

The SP&S hugged the north bank of the scenic Columbia and Snake rivers for 290 of the 380 miles between Portland and Spokane. West of the mountains, waterfalls cascaded down from towering peaks capped with snow and lush with forest greenery. To the east, the scene quickly changed in just a few miles to the stark beauty of almost barren foothills, deprived of rains trapped on the other side of the mighty Cascade Range.

From Portland west to Astoria and the Coast, the SP&S line skirted the tidewaters of the lower Columbia’s south bank, an easy 100-mile course through the Coast Mountain Range.

The canyon of the Deschutes River – a thundering mountain stream with precipitous drops on its way to the Columbia – yielded the easiest grade east of the Cascades into central Oregon for the Oregon Trunk Railway, an SP&S subsidiary line that reached 151 miles south to Bend.

The Oregon Electric Railway line, west of the Cascades, was nestled in the broad flood plains of the Tualatin and Willamette river valleys, a gentle grade for almost all of the 140 miles from Portland to Eugene.

These natural corridors were economically attractive to the founders and builders of the SP&S and its predecessors. Less motive power was required to operate heavily laden freight trains and their shores were natural settlements for a growing population. Through the years, extensive utilization of water resources for power and irrigation brought flourishing industrial and agricultural development to the railway.

Spokane, Portland and Seattle: A Brief History

Aug. 23, 1905
SP&S incorporated in Washington as the Portland and Seattle Railway Company

Feb. 1, 1908
Corporation name formally changed to Spokane, Portland and Seattle Railway Company

March 30, 1908
Columbia River and Northern Railway Company line from Lyle, Wash., north to Goldendale, Wash., purchased

1910
SP&S purchases the Astoria and Columbia River Railroad Company

June 6, 1910
Northern Pacific (NP) accepts half interest in Oregon Trunk, Oregon Electric and United Railways from Great Northern (GN); lines become property of SP&S

1914
SP&S issued all outstanding shares of the newly formed Great Northern Pacific Steamship Company

March 1915
Great Northern Pacific Steamship Company service begins

December 1921
United Railways acquires the Portland, Astoria and Pacific Railroad Company

January 1922
Gales Creek and Wilson River Railroad Company purchased by the NP and GN in the interest of the SP&S

March 2, 1970
SP&S, along with the CB&Q, NP, GN and the Pacific Coast Railroad merge to form Burlington Northern Railroad
# GENEALOGY OF BNSF RAILWAY COMPANY

## PACIFIC COAST RAILROAD COMPANY
- Columbia & Puget Sound
- San Luis Obispo & Santa Maria Valley
- Seattle & Walla Walla

## QUANAH, ACME & PACIFIC RAILWAY COMPANY
- Acme, Red River & Northern
- Motley County

## NORTHERN PACIFIC RAILWAY COMPANY
- Big Fork & International Falls
- Brainerd & Northern Minnesota
- Coeur d’Alene
- Drummond & Phillipsburg
- Duluth, Crookston & Northern
- Fargo & South Western
- Green River & Northern
- Helena & Jefferson County
- Helena & Northern
- Helena & Red Mountain
- Helena, Boulder Valley & Butte
- Jamestown & Northern
- Lake Superior & Mississippi
- Little Falls & Dakota
- Minneapolis & International
- Minnesota & International
- Minnesota Northern
- Missoula & Bitter Root Valley
- Montana Union
- Monte Cristo
- Nebraska & Lake Superior
- Northern Pacific & Puget Sound Shore
- Northern Pacific Cascade
- Northern Pacific, Fergus & Black Hills
- Northern Pacific, Lamoure & Missouri River
- North Yakima & Valley
- Olympia & Chehalis Valley
- Olympia & Tenino
- Oregon & Washington Territory
- Portland, Vancouver & Yakima
- Puget Sound & Grays Harbor

## PACIFIC COAST RAILROAD COMPANY
- Columbia & Puget Sound
- San Luis Obispo & Santa Maria Valley
- Seattle & Walla Walla

## FRISCO
- Alabama, Tennessee & Northern
- Arkansas & Choctaw
- Arkansas & Oklahoma
- Arkansas Valley & Western
- Atlantic & Pacific
- Bentonville
- Blackwell, End & Southwestern
- Blackwell, End & Texas
- Butler County
- Campbell & St. Francis Valley
- Cape Girardeau
- Cape Girardeau & State Line
- Cape Girardeau, Bloomfield & South
- Cape Girardeau Southwestern
- Carrollton Short Line
- Crystal
- Current River
- Deckerville, Osceola & Northern
- Fayetteville & Little Rock
- Ft. Scott, Southeastern & Memphis
- Ft. Smith & Southern
- Ft. Smith & Van Buren Bridge Company
- Greenfield & Northern
- Gulf, Florida & Alabama
- Houck’s Missouri & Arkansas
- Iron Mountain & Helena
- Jonesboro, Lake City & Eastern
- Joplin
- Kansas & Missouri
- Kansas City & Southeastern
- Kansas City & Southern
- Kansas City & Southwestern
- Kansas City, Clinton & Springfield
- Kansas City, Ft. Scott & Gulf
- Kansas City, Ft. Scott & Memphis
- Kansas City, Ft. Scott & Springfield
- Kansas City, Memphis & Birmingham
- Kansas City, Memphis & Mobile
- Kansas Midland
- Little Rock & Texas
- Memphis & St. Louis
- Memphis, Birmingham & Atlantic
- Memphis, Carthage & Northwestern
- Memphis, Holly Springs & Mobile
- Memphis, Holly Springs & Selma
- Memphis, Holly Springs, Okolona & Selma
- Memphis, Kansas & Colorado
- Memphis, Selma & Brunswick
- Miami Mineral Belt
- Missouri & Western
- Missouri River, Ft. Scott & Gulf
- Muscle Shoals, Birmingham & Pensacola
- Northeast Oklahoma
- Oklahoma City & Texas
- Oklahoma City & Western
- Oklahoma, Kansas & Missouri
- Ozark & Cherokee Central
- Pacific of Missouri
- Palmer Lines in Missouri & Arkansas
- Paris & Great Northern
- Pittsburg & Columbus
- Pleasant Hill & Desoto
- Red River, Texas & Southern
- Rich Hill
- St. Louis & Gulf
- St. Louis & Memphis
- St. Louis, Cape Girardeau & Ft. Smith
- St. Louis, Caruthersville & Memphis
- St. Louis, Kennett & Southwestern
- St. Louis, Kennett & Southern
- St. Louis, Memphis & Southeastern
- St. Louis, Salem & Little Rock
- St. Louis, San Francisco & New Orleans
- St. Louis, San Francisco & Texas
- St. Louis, Wichita & Western
- Sapulpa & Oil Field
- Selma, Marion & Memphis
- Short Creek & Joplin
- Southern Missouri & Arkansas
- South Pacific
- Southwest Pacific
- Springfield & Northern
- Springfield & Southern
- Springfield & Western Missouri
- Springfield Connecting
- Sulphur Springs
- Wilson Northern