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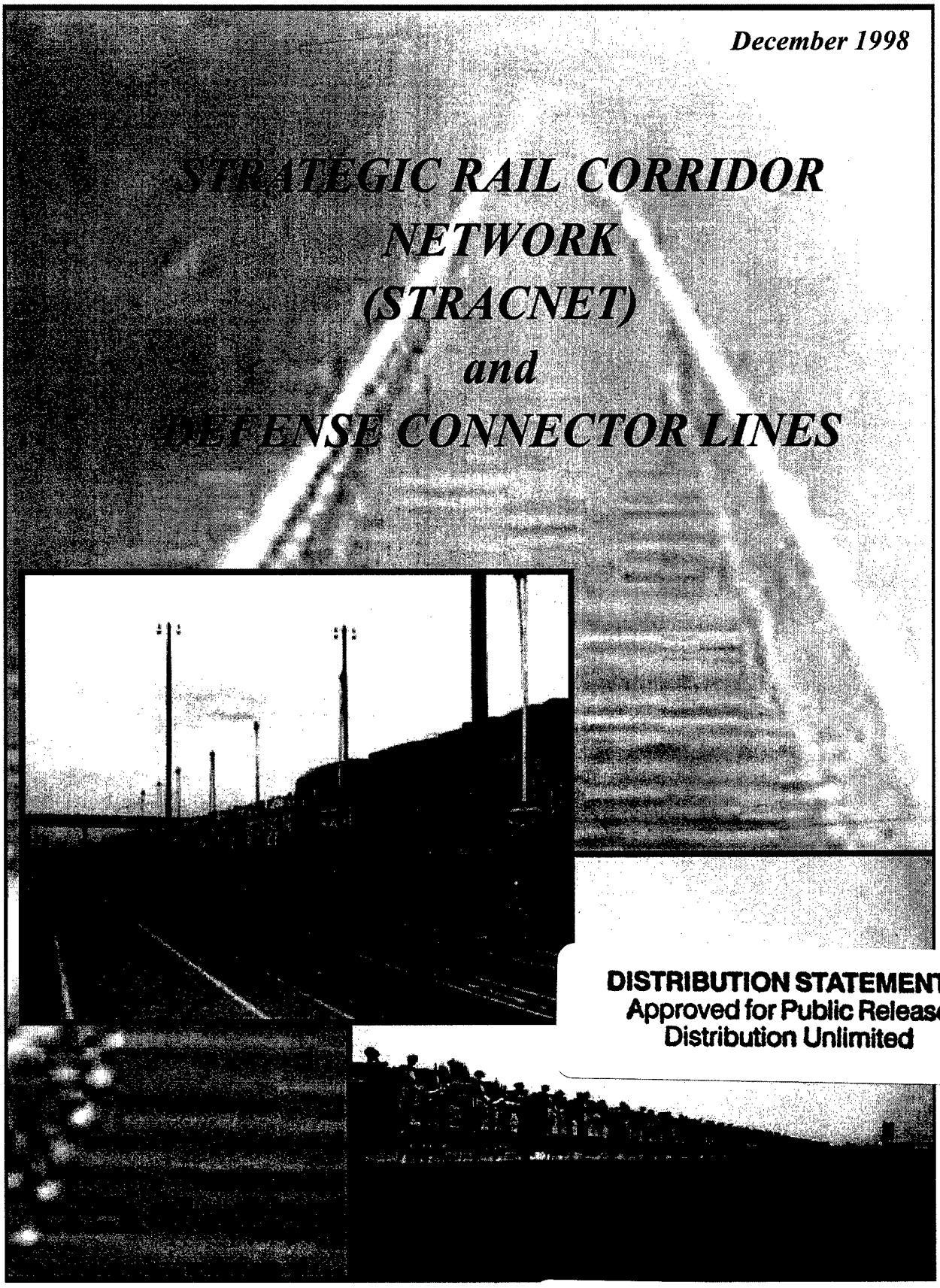

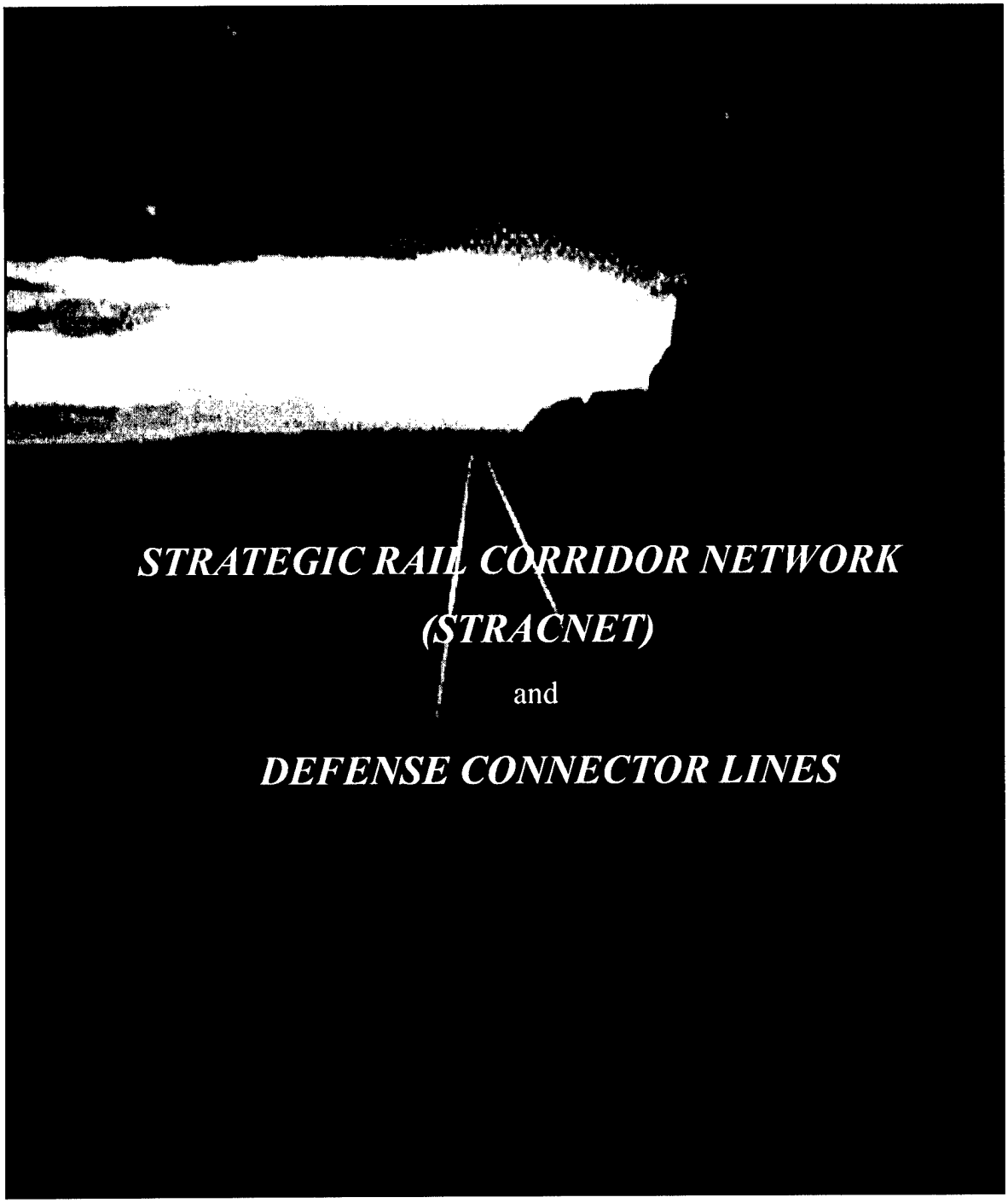

Military Traffic Management Command
Transportation Engineering Agency
Newport News, Virginia 23606

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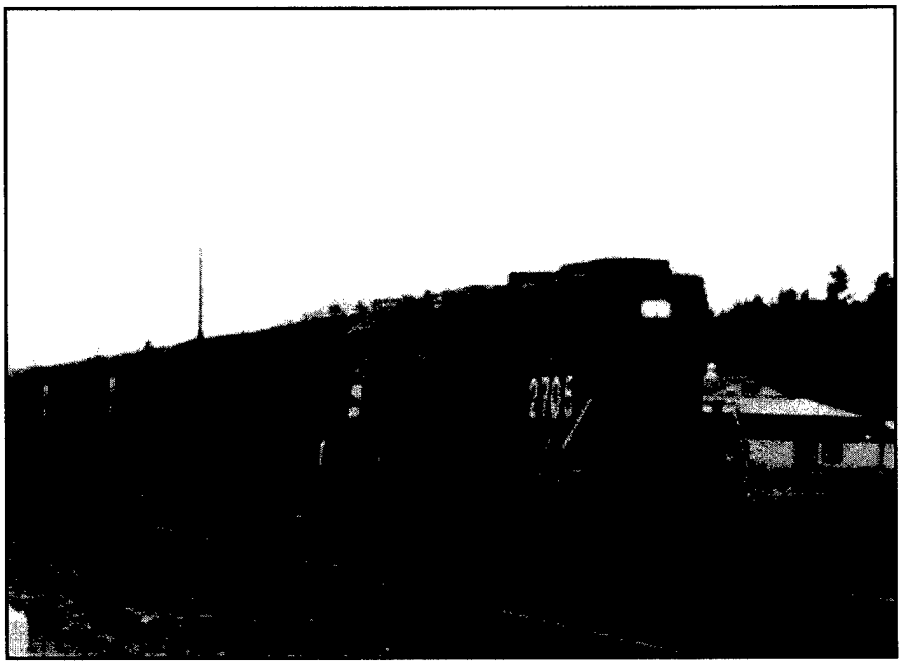

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I. EXECUTIVE SUMMARY

SCOPE

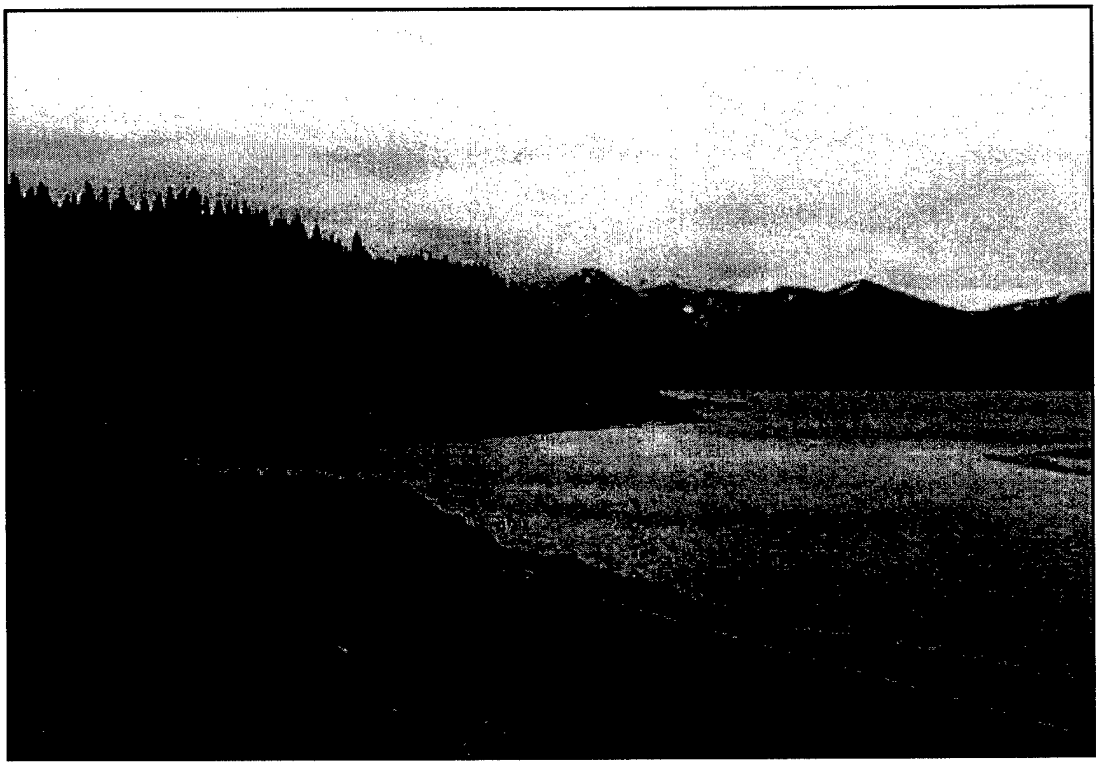
This study was undertaken to update the designation of the Strategic Rail Corridor Network (STRACNET) and its associated connector lines. Together, STRACNET and its connectors are the civil rail lines most important to national defense. The study also verifies their defense readiness condition, and documents defense rail line requirements.

CONCLUSIONS

The Military Traffic Management Command Transportation Engineering Agency and the Federal Railroad Administration reviewed and updated the designation of civil rail lines important to national defense. The lines designated for STRACNET meet defense readiness requirements for maintenance condition, clearance, and gross weight capability. State maps in appendix A show these lines. Department of Defense installations and activities requiring rail service to accomplish their assigned mission are listed in appendix B.

Inquiries about installations, requirements, and designations should be addressed to:	
Mail Address:	**Director** **Military Traffic Management Command** **Transportation Engineering Agency** **ATTN: MTTE-SA** **720 Thimble Shoals Blvd** **Newport News, VA 23606-4537**
Telephone:	**DSN: 927-4313** **Commercial: (757) 878-4313**
Fax:	**DSN: 927-4312** **Commercial (757) 599-1560**

Inquiries about State rail maps or the rail database should be addressed to:	
Mail Address:	**Federal Railroad Administration** **ATTN: RRP 20** **1120 Vermont Ave NW Stop 15** **Washington, DC 20590**
Telephone:	**Commercial: (202) 493-6396**
Fax:	**Commercial: (202) 493-6401**



II. PURPOSE AND METHODOLOGY

PURPOSE

This publication updates the designation of civil rail lines that form the Strategic Rail Corridor Network (STRACNET)[1] and connector lines between STRACNET and installations and activities requiring rail service.[2] It confirms that the civil rail lines designated to satisfy defense requirements meet minimum defense readiness conditions. STRACNET and connector lines are the civil railroad lines most important to national defense. However, STRACNET is not a routing guide, and actual shipments may not necessarily travel over STRACNET lines. Rail lines that are not designated as STRACNET or connector lines may also be beneficial to national defense if they could be used as a detour route if a service interruption occurred on STRACNET. This publication also presents the current list of Department of Defense (DOD) installations and activities requiring rail service to accomplish their assigned mission.

METHODOLOGY

The Military Traffic Managment Command Transportation Engineering Agency (MTMCTEA) and the Federal Railroad Administration (FRA) jointly reviewed the lines for the STRACNET and connectors between STRACNET and defense installations and activities requiring rail service. Based on MTMCTEA's request, DOD Components (Army, Navy, Air Force, Marine Corps, and Defense Logistics Agency) updated the list of military installations and activities requiring rail service. MTMCTEA screened the final list for DOD.

Traffic density is a good indicator of rail line viability. The designated defense lines and others were analyzed to determine if alternate lines with higher traffic densities were available. Where appropriate, an alternate line was recommended by FRA for MTMCTEA's consideration. MTMCTEA then designated the line as important to national defense.

The analysis also included a review to ensure that the designated lines meet defense readiness requirements for maintenance condition, clearance for oversize shipments, and weight-bearing capacity. The FRA continuously monitors carrier's safety maintenance inspection compliance so as to generally achieve coverage of most of STRACNET and defense connector lines every 3 years as part of its overall inspection program.

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[1] *STRACNET Condition Report, A Study of Rail Lines Important to National Defense for the Armed Services Committees of Congress*, MTMC, June 1981.

[2] Designated defense lines were identified in MTMC reports *Rail Lines Important to National Defense*, MTMC, July 1983, and updated in *Civil Rail Lines Important to National Defense*, MTMC, July 1986, October 1990, and December 1993.

The DOD clearance profile used to analyze rail line clearances was developed and presented in the MTMC "STRACNET Condition Report," dated June 1981. In the current update, proposed alternate lines were evaluated for their capability to accommodate the DOD clearance profile.

Finally, the analysis evaluated the weight-bearing capacity of defense lines to support military traffic. A representative DOD railcar-loading configuration (developed in the 1983 report) and its gross weight were compared to the published gross weight of defense lines or coordinated with the carrier to assure that the configuration has an acceptable allowable gross weight limitations.

III. INTRODUCTION AND BACKGROUND

During the 1970's, the railroads experienced a period of economic instability. Ten railroads declared bankruptcy and deferred maintenance was commonplace. DOD experienced excessive shipping times, and concern increased over the civil railroad industry's capability to support a defense emergency. Therefore, in June 1975, the Deputy Secretary of Defense requested the Commander, MTMC, establish and develop the Railroads for National Defense (RND) Program in coordination with the Department of Transportation's Federal Railroad Administration.[3]

The purpose of the RND Program is to identify defense rail requirements; assure consideration for national defense in civil railroad policy, plans, standards, and programs; and gain support and responsiveness for defense rail line requirements. The United States Transportation Command is the DOD Executive Agent for the RND Program.

MTMC initiated the RND Program with the development of STRACNET in 1976.[4] STRACNET is a 30,000-mile interconnected network (135 nodes, 180 links) of rail corridors (not actual rail lines) important to national defense (fig 1). It was developed from analyses of mobilization/deployment needs, peacetime traffic, and combat tank shipments as an indicator of oversize/overweight movements. FRA designated a main line to satisfy each STRACNET corridor.[5]

In 1977, a list of DOD installations and activities requiring rail service was published.[6] The list was updated in the MTMC reports published in 1981, 1983, 1986, 1990, and 1993. As DOD downsizes, fewer installations require rail service. In some instances STRACNET corridors are no longer required. The rail corridor to Bangor, Maine, was originally part of STRACNET; it was removed from STRACNET following the closure of Loring AFB in northern Maine.

MTMC developed a DOD clearance profile to reflect rail line clearance needs for oversized equipment. MTMC uses the DOD profile to analyze rail line clearances and validate the clearance of lines designated for national defense.

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[3] Letter, Deputy Secretary of Defense to the Secretary of Transportation, 25 June 1975.

[4] Report, RND 76-1, *An Analysis of a Strategic Rail Corridor Network (STRACNET) for National Defense,* MTMC, November 1976.

[5] *Final Standards, Classifications, and Designation of Lines of Class 1 Railroads in the United States,* Secretary of Transportation's report to Congress, dated 30 June 1977, submittted in accordance with Section 503(e) of the "Railroad Revitalization and Regulatory Reform Act of 1976" (Public Law 94-210).

[6] *List of Department of Defense Installations and Activities Requiring Rail Service,* MTMC, 1977.

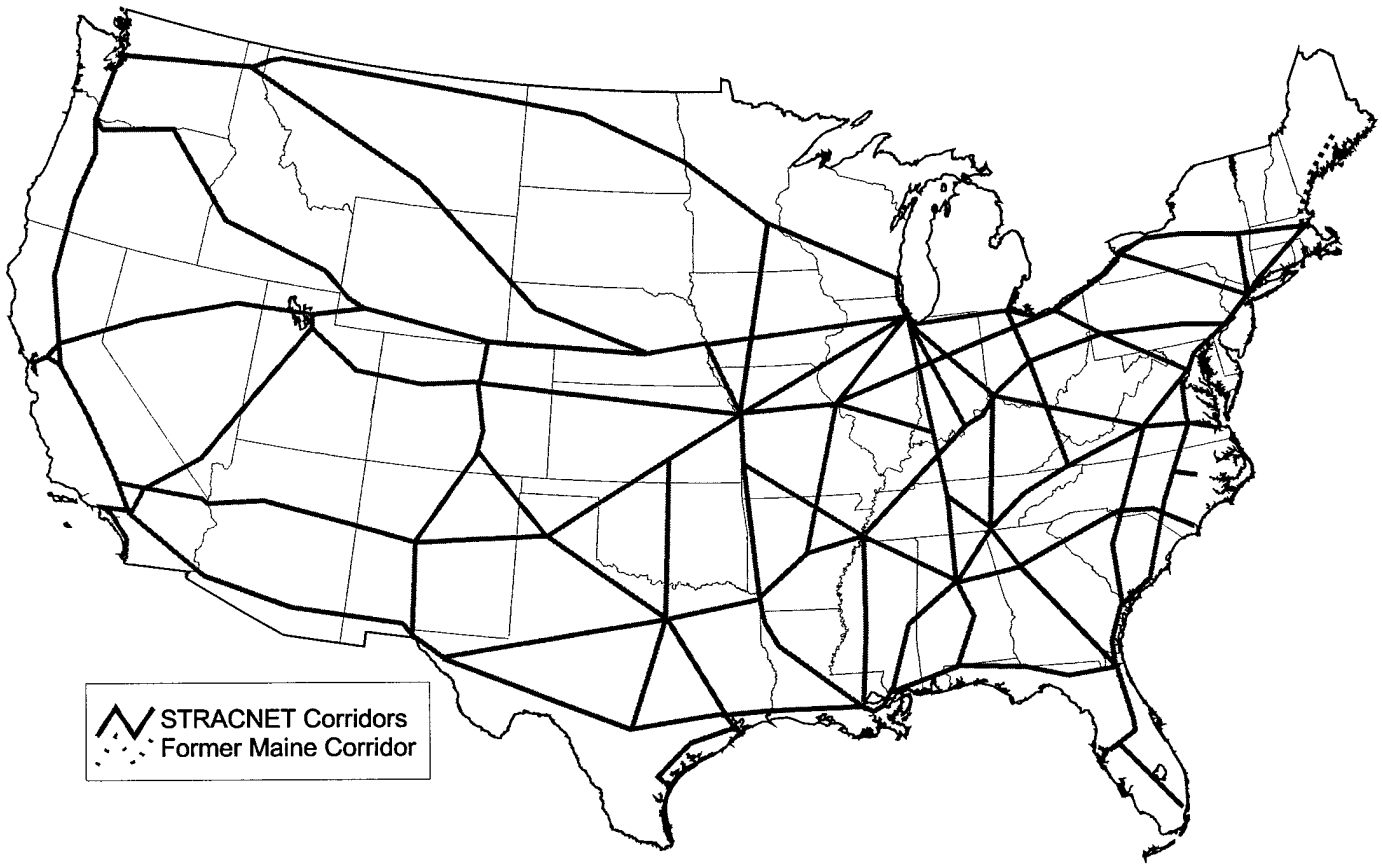

Figure 1. Strategic Rail Corridor Network (STRACNET)

By congressional mandate, the condition of defense lines was reported in the STRACNET Condition Report (1981). Connector lines from STRACNET to defense installations and activities requiring rail service were identified. The maintenance condition of defense lines was found to be satisfactory. Also, defense shipments are not restricted to designated lines because of clearance requirements, and in most cases can move by alternate routes. Thus, rail lines in addition to STRACNET and the connector lines are beneficial to national defense.

In 1982, the Department of Transportation's (DOT) FRA and MTMC agreed to review rail lines important to national defense.[7] These reviews resulted in the MTMC publications, Rail Lines Important to National Defense, 1983, and Civil Rail Lines Important to National Defense, 1986, 1990, and 1993.

This report designates STRACNET and connector lines that are the railroad lines most important to national defense. The principal importance of STRACNET lines relative to other lines is priority restoration of service in the event of any emergency that causes large-scale loss of rail lines. STRACNET also allows defense and civil rail planning to be more easily coordinated. By using high-density lines to satisfy most of STRACNET, the risk of a civil rail line abandonment affecting national defense is minimized. The RND Program focuses most of its efforts on protecting STRACNET and connector lines from being abandoned or downgraded.

This report is not intended to be a routing guide for traffic managers. Rail carriers will route traffic using many different parameters relative to profit, distance, clearance, and time. In many instances defense rail shipments will move on other rail lines not designated as part of STRACNET.

The capability of rail carriers to perform this type of routing is an example of the built-in redundancy of rail lines, which form a very robust network. During times of floods, hurricanes, or earthquakes, this capability is very useful, but over time it can be very expensive.

The railroad industry must operate enough track to move traffic efficiently, but not so much that the revenue generated is inadequate to support good maintenance. In the past, too many miles of track were chasing too few revenue dollars. This situation resulted in several railroad bankruptcies and many miles of deteriorated railroad track. Deregulation of the railroad industry in 1980 enabled the railroads to more easily abandon unprofitable lines. Railroad mergers sometimes resulted in most traffic on a corridor being concentrated on a single line, with parallel lines either being abandoned or downgraded to serve only local traffic. These reductions in trackage permitted the railroads to focus their maintenance dollars where they were needed most, with the result that most track is now well-maintained.

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[7] Letters, Cdr, MTMC, to Federal Railroad Administrator, 2 April 1982, and Mr. James C. Rooney, Associate Administrator for Policy to the Special Assistant for Transportation Engineering, MTMC, 5 October 1982.

With improved efficiencies from mergers and a greater demand for intermodal service, carriers have now seen a dramatic increase in traffic levels. In some instances, carriers have placed abandoned lines back into service or upgraded previously downgraded routes to respond to these increases in traffic. The rail industry understands if network improvements will help transport more cargo, line upgrades may be a worthwhile investment.

The RND Program monitors the rail network for abandonments affecting STRACNET or connectors and track improvements to downgraded or abandoned lines. These improvements provide for a robust rail network that earns the capital required to provide good track maintenance and supports national defense.

IV. ANALYSIS

1. DESIGNATION OF DEFENSE RAIL LINES

Traffic volume is a good indicator of rail line viability. Higher traffic densities also correlate well with good maintenance conditions. If traffic volumes have changed within defense rail corridors, civil rail lines with higher densities may exist that could replace lines previously designated for those corridors. Therefore, MTMC and FRA conducted a review and analysis of defense rail corridors based on updated traffic densities.

The FRA obtained the latest available (1996) traffic densities from rail carriers. Those lines that had a significant decrease in traffic density, particularly those which, on an annual basis, had dropped below 20 million gross tons (MGT) since the last DOD-FRA analysis (1993), were reviewed by FRA to determine if alternate routes were available with higher traffic density. MTMCTEA accepted proposed changes if network integrity or clearance capability was not compromised. Also, MTMCTEA confirmed that each new line met the DOD clearance profile requirements. MTMCTEA and FRA agreed upon the final designation of STRACNET lines (32,421 miles) and connector lines (5,378 miles), which are shown in figure 2 and identified in detail on the State maps in appendix A. Military installations and activities requiring rail service are listed in appendix B. The State maps in this book are from the FRA rail database. FRA continuously updates this database with rail line abandonments, carrier changes, and other data. MTMCTEA used TransCAD and ARCVIEW to access the FRA database and produce a map of each State. *

* No map is included for Hawaii since it has no freight railroads.

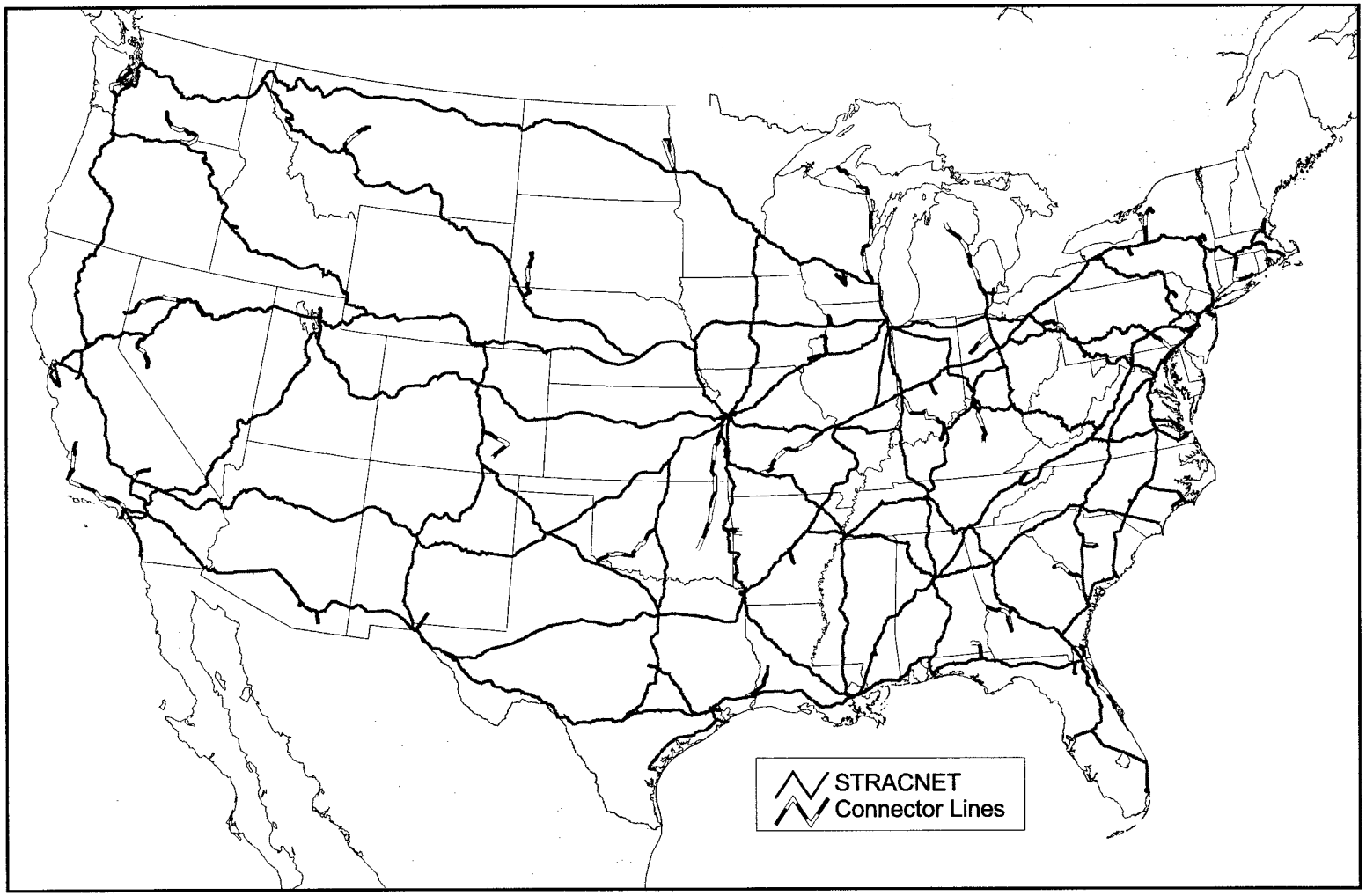

Figure 2. Civil Rail Lines Most Important to National Defense

2. MAINTENANCE CONDITION AND OPERATING SPEED

Maintenance condition of STRACNET is very important to national defense. The allowable operating speed limit over a rail line is directly related to the maintenance condition of the line; that is, the higher the FRA track safety-maintenance classification then the higher the allowable operating speed.[8] Defense planners use an average speed of 22 miles per hour (mph)[9] to calculate travel times for military equipment transported by unit trains. Allowing for expected delays, speeds of 40 mph for most of the journey are desirable to assure an average speed of at least 22 mph.

Table 1 shows measures of civil rail line defense readiness condition. Lower speeds are more acceptable on connector lines than on STRACNET lines because the former lines are used for only a small portion of the total trip length. Also, many railroads maintain their main lines and operate their trains at higher standards and speeds than shown in table 1. High maintenance standards result in increased reliability and safety.

The FRA monitors carrier's inspection compliance so as to achieve periodic coverage of all STRACNET and connector rail lines.[10] Review of the FRA track inspection results indicates broad compliance with the measures of acceptable defense readiness conditions.

The railroads have significantly increased capital expenditures on the nation's railroad track and structures since the mid-1970's. These expenditures, combined with the passage of the Stagger's Act in 1980, resulted in track conditions improving significantly. The decrease in track-related accidents is impressive. As shown by FRA data in figure 3, over 4,000 accidents were attributable to track defects in 1977, 1978 and 1979. This has declined to about 1,000 accidents attributable to track defects per year since 1986. The decline in track-related accidents is another indicator confirming defense readiness conditions.

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[8] *Federal Railroad Administration Track Safety Standards,* 49 CFR 213.9 *Class of Track: Operating Speed Limits.*

[9] MTMCTEA Reference 97-700-2, *Logistics Handbook for Strategic Mobility Planning*, August 1997, page 39.

[10] FRA Technical Bulletin, TB 83-04, 26 January 1983, Inspection of STRACNET, and FRA Technical Bulletin, TB B3-03, Source Codes to be Used on Track Inspection Form, FRA F61980-58.

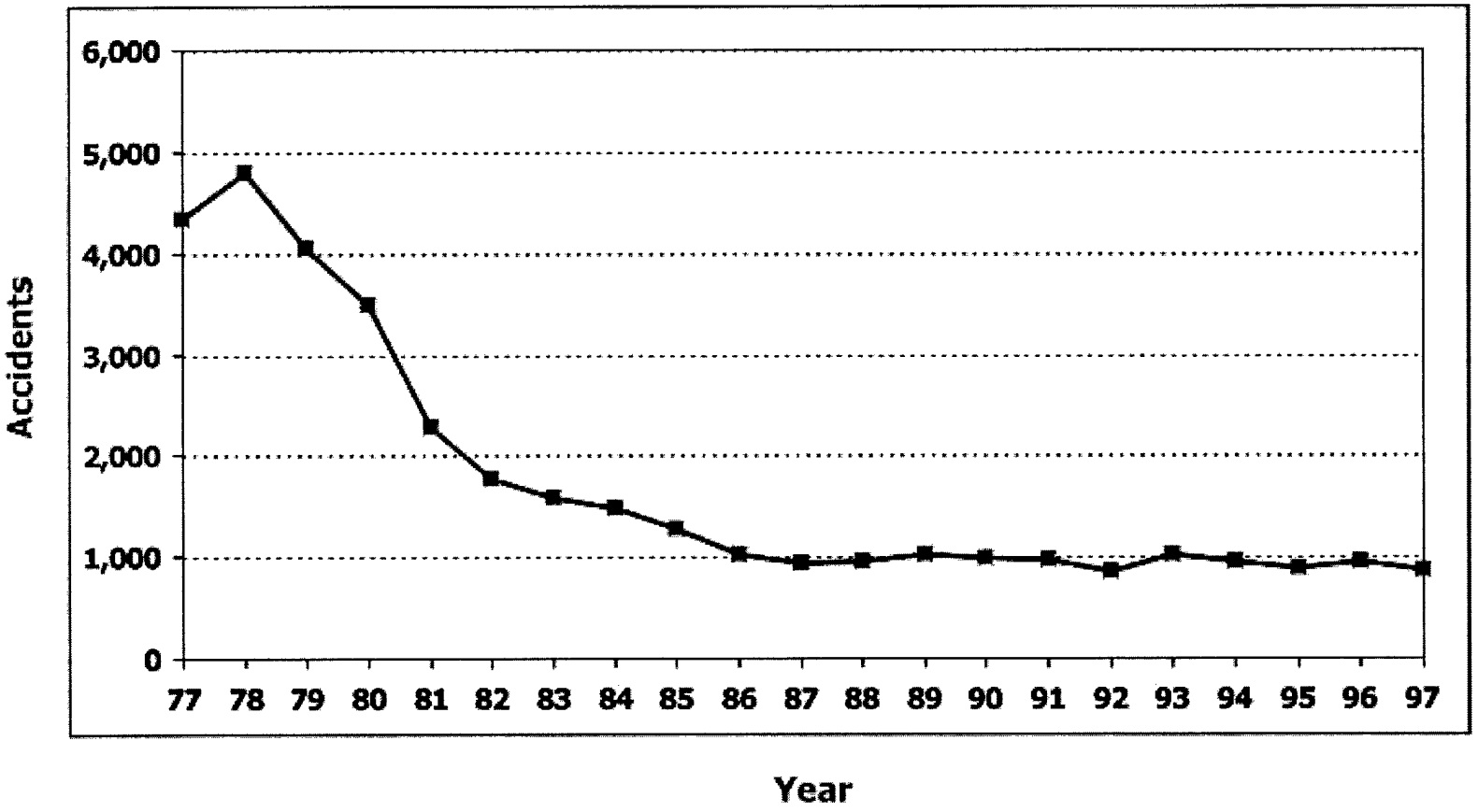

Figure 3. Accidents Due to Track Defects

TABLE 1
MEASURES OF CIVIL RAIL LINE DEFENSE READINESS CONDITION

	Acceptable	Desirable
STRACNET		
FRA Track Class	2	≥ 3
Freight Train Speed (Maximum)	25 mph	≥ 40 mph
CONNECTORS		
FRA Track Class	1	≥ 2
Freight Train Speed (Maximum)	10 mph	≥ 25 mph

3. LOW TRAFFIC DENSITY CONNECTOR LINES

Low traffic density branch line connectors are those where the total civil and defense rail traffic is less than 3 MGT per year. The Services and the Defense Logistics Agency have identified 171 installations and activities that require rail service to complete their assigned mission (app B). Of the 171 installations and activities requiring rail service, 53 are on STRACNET main lines, 49 are on connectors with traffic densities greater than or equal to 3 MGT per year, and 70 are on low traffic density branch lines. One of these installations (DFSP, Air Force Pipeline, Inc., NC) is on a STRACNET line with less than 3 MGT per year and the other 69 are on low traffic connectors (table 2). The 70 installations and activities served by these low traffic density branch lines are identified by Service in appendix C.

The FRA inspection of designated defense rail lines reveals that, at the time of FRA's inspection, the carrier maintained those lines in defense readiness condition.

TABLE 2
DOD INSTALLATIONS AND ACTIVITIES REQUIRING RAIL SERVICE

Served by:	Army	Navy	Marines	Air Force	DLA	Total
STRACNET	33	3	6	4	6 (b)	52 (b)
CONNECTORS:						
Traffic Volumes Greater than or Equal to 3 MGT/YR (a)	37	2	0	5	5	49
Less than 3 MGT/YR	30	18	4	8	10 (c)	70 (c)
TOTAL	100	23	10	17	21	171

(a) MGT/YR – Million gross tons per year
(b) Does not include one installation on a STRACNET line with < 3 MGT/YR
(c) Includes one installation on a STRACNET line with < 3 MGT/YR

4. CLEARANCES

Trackside obstructions and structural limitations (for example, bridges (fig 4), tunnels, high-level station platforms) determine the size of shipments that can be moved. The STRACNET Condition Report, June 1981, explained how MTMC developed the DOD clearance profile (fig 5) to analyze rail line clearances and determined that almost all STRACNET lines passed the profile.

In some cases, published clearance information[11] indicates that a STRACNET line meets the DOD profile requirements. In other cases, the commercial railroads indicated that the DOD profile would clear a line, subject to special handling, even though the DOD profile exceeded the published clearances for the route. Several commercial railroads have expanded clearances on their routes since 1981.

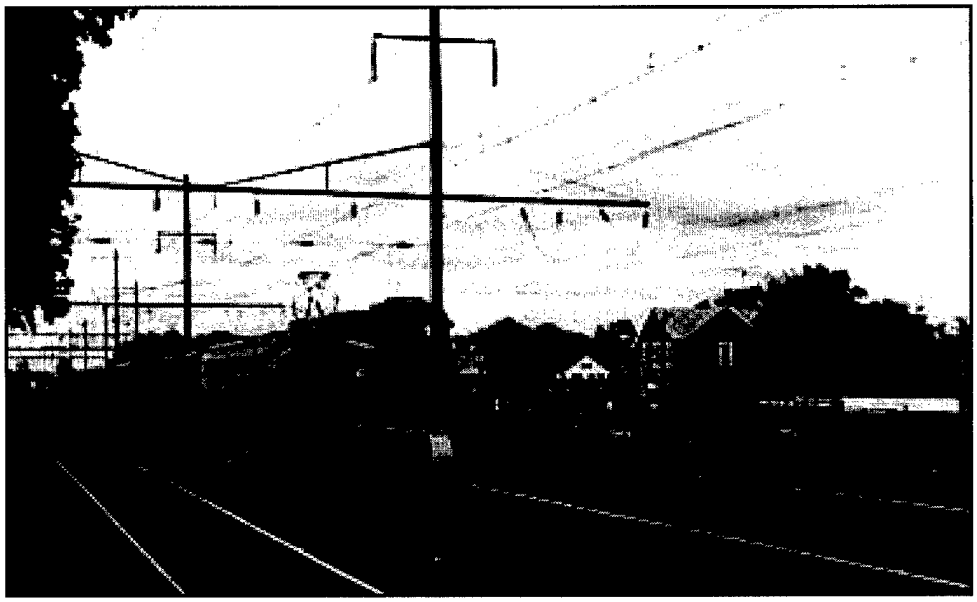

Figure 4. Plate Girder Bridges

[11] Railway Line Clearances, Volume 202, 1992/93 Annual Issue, National Railroad Publication Compnay and Railway Line Clearances, Voulme 207, 1997/98 Annual Issue, K-III Directory Corporation.

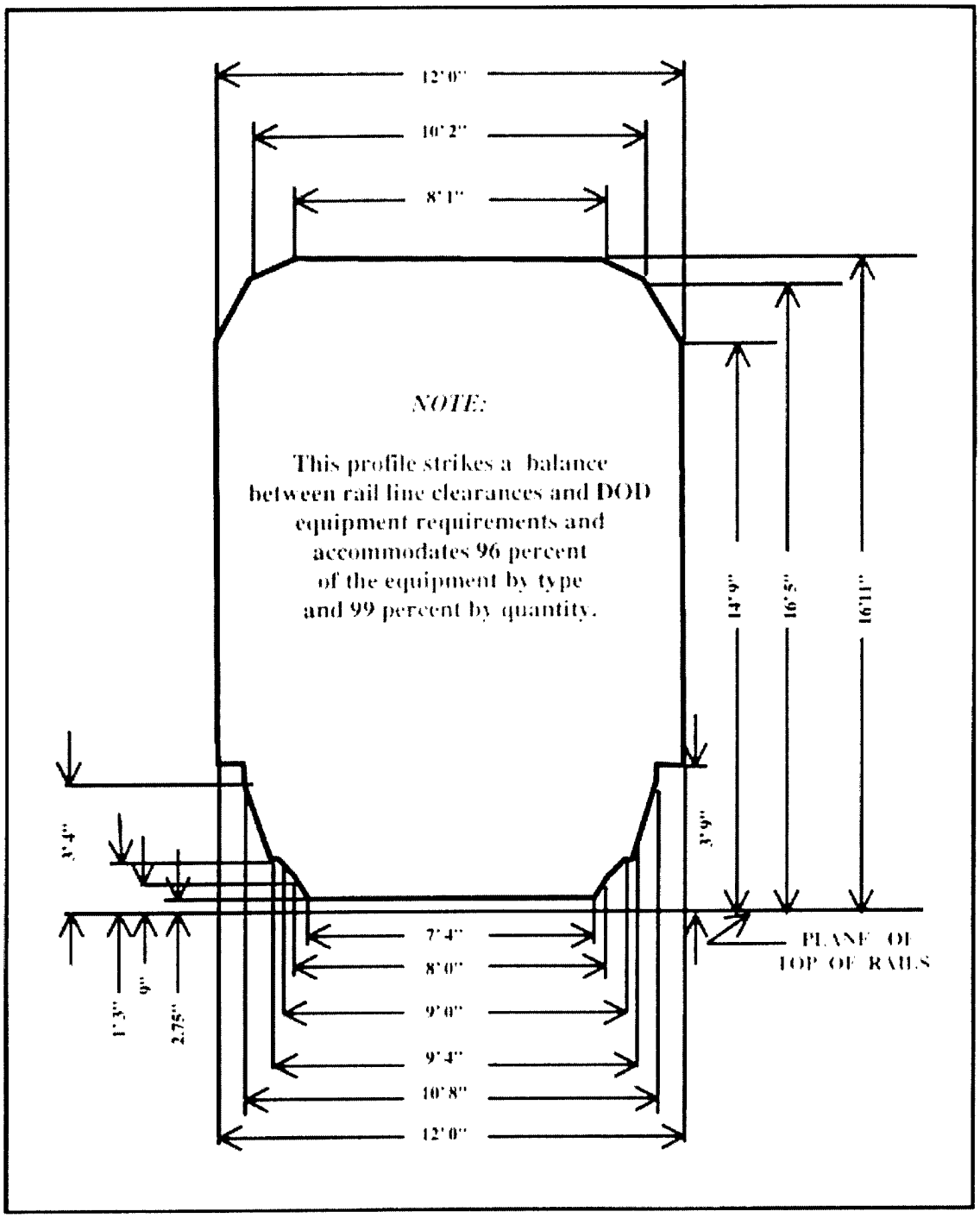

Figure 5. Clearance Profile - Department of Defense

Because of clearance restrictions on the designated STRACNET line between Washington, DC, and the New York/Newark area, a supplemental clearance route has been designated for the central portion of the east coast STRACNET corridor between Florida and New England. The designated route is the Norfolk Southern line between Roanoke, Virginia, and the New York/Newark area via Harrisburg and Allentown, Pennsylvania. This designation is illustrated in the maps in appendix A.

For the current update, MTMCTEA evaluated all FRA-proposed line changes for their capability to accommodate the DOD profile. The analysis revealed that most of the lines proposed by FRA could clear the DOD profile and, therefore, were acceptable. In the case of the connector line from Springfield, Massachusetts, to the New London, Naval Submarine Base, Groton, Connecticut, the requirement to accommodate extra large shipments became the dominant DOD evaluation criteria. We designated this route because it can accommodate the large Navy shipments into the base.

With increasing emphasis being placed on mass transit, passenger travel by rail is becoming more commonplace. To support this, work is being done on the Northeast Corridor to decrease travel time by electrifying the rail line between Boston and New Haven. The RND program's concern with this project was to preserve existing clearances and ensure continued access for oversized defense shipments to the Naval Submarine Base, Groton, Connecticut. This capability was preserved through RND participation in the environmental impact process for the Northeast Corridor.

Another concern that could impact DOD required rail clearances is the construction of high-level platforms. A few stations have had high-level platforms for many years. One of these platforms at Mansfield, Massachusetts,[12] impedes overwidth vehicle transport to Camp Edwards. To solve this problem, when an occasional shipment is made, the military vehicle is blocked and braced and raised above the railcar deck. This is a labor-intensive and time-consuming process, which works only for occasional shipments. This procedure would cause difficulties for a lot of shipments at one time. High-level platforms are one method for providing wheelchair access to passenger trains; the number of stations with high-level platforms may increase dramatically in response to the *Americans with Disabilities Act of 1990*, potentially impeding clearances on many other routes.

The construction of high-level platforms is a concern of the rail industry and the RND Program. Our check with clearance engineers and participation in the American Railway Engineering and Maintenance Association (AREMA) Committee 28 (clearances) has not yet

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[12] Mansfield station had high-level platforms before the Northeast Corridor electrification project. Therefore, RND was unable to have the clearance at Mansfield improved as part of the enviornmental impact process.

resulted in a proven notification process of high-level platform construction. Our intent is to participate in the environmental impact process when we become aware of such a construction, the same as we did for the Northeast Corridor electrification process.

Fortunately, a well-designed station can have high-level platforms and be compatible with wide military loads. On a multiple track line only certain tracks may need to be adjacent to platforms. Freight trains with wide loads can pass through these stations on tracks that are not next to the high-level platforms. Another possibility is the construction of gauntlet tracks by the high-level platforms.* The track nearer the platform is used by passenger trains; the farther track is for freight trains with overwidth loads. The Amtrak station at New Carrollton (fig 6) provides a good example of how gauntlet tracks allow freight and passenger trains to co-exist by high-level platforms.

It is also possible to construct stations with short high-level platforms offset from the tracks to allow passage of military cargo and other wide loads (fig 7). In these stations, most passengers will use low-level platforms and steps in the coaches to board trains. A bridge-plate is extended from the door of the coach to the offset high-level platform to allow wheelchair access to the train when necessary.

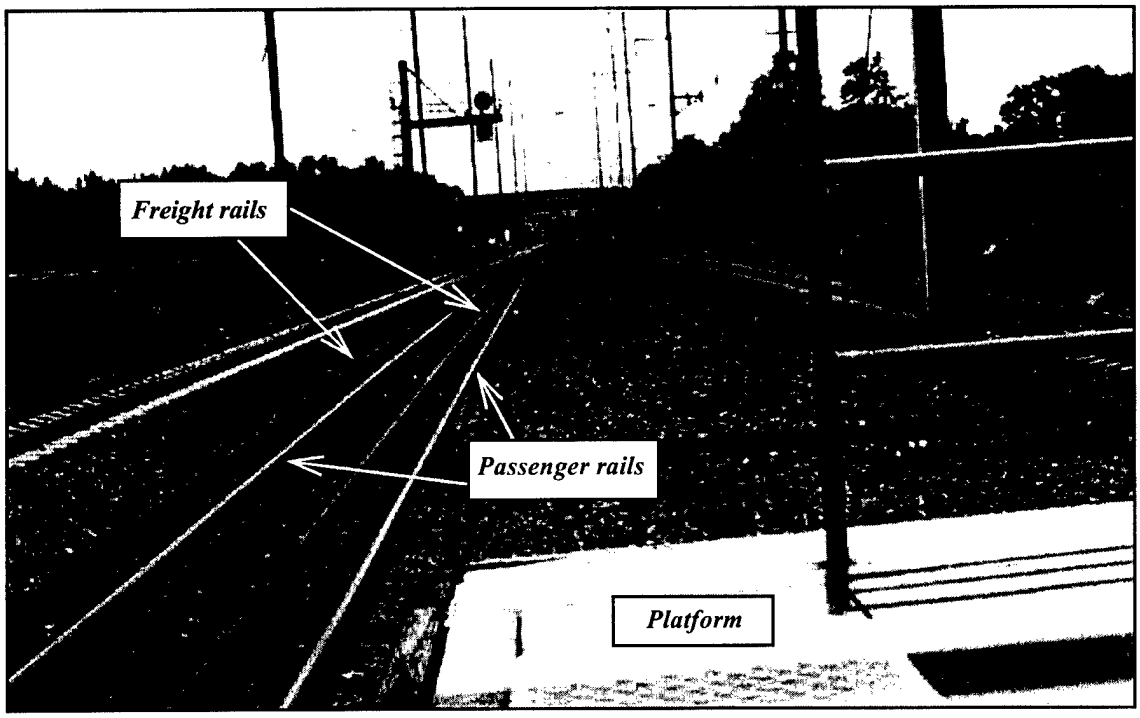


Figure 6. Gauntlet tracks by high-level platform

* Gauntlet tracks consist of two pairs of running rails that overlap.

MTMCTEA reviews rail clearances for STRACNET defense lines because clearance line dimensions are constantly changing. As an example, reballasting, constructing, or removing structures along tracks can change clearance capabilities. Our primary points of contact regarding rail line clearances are railroad clearance engineers, AREMA, and the Railway Industrial Clearance Association (RICA). We work closely with them to ensure that defense lines can accommodate the DOD profile.

Figure 7. Offset Wheelchair Access Platform

5. WEIGHT CAPABILITIES

The gross weight limitations of the railroad track and structures are high relative to highways. Locomotives can weigh in excess of 350,000 pounds. MTMCTEA analyzed the weight capabilities of defense rail lines and found no deficiencies.

The industry standard for gross weight is 263,000 pounds for 4-axle cars or 394,500 pounds for 6-axle cars. Specific gross weight limitations for rail lines are identified in the previously mentioned publication, Railway Line Clearances. Loads that exceed the published weights can be permitted by railroads under special agreements. The maximum allowable load is usually significantly higher than the published load, providing the carriers with a substantial safety factor. The trend is toward even heavier weight capabilities. Many railroad mainlines have been upgraded to handle 286,000 pounds on 4-axle cars.

Our analysis developed a representative DOD gross weight configuration and compared it to the published gross weight limitations of STRACNET lines. The first step established a typical heavy shipment for comparison. The most common heavy defense shipments are battle tanks. The gross weight of two M-1 tanks on a 6-axle DOD 140-ton flatcar can approach 365,000 pounds. The M-1 weight configuration was used for our analysis.

We then identified the published weight limitations for all defense lines. The results revealed that the published limitations for the entire 32,000-mile STRACNET system equaled or exceeded 394,500 pounds (for 6-axle). Also, most of the 5,400 miles of connector lines had published limitations at or in excess of 394,500 pounds for 6-axle cars.

Therefore, since the 394,500-pound limitation exceeds the M-1 weight configuration, STRACNET and most of the connector lines can accommodate defense shipments. A case-by-case review was performed to ensure that connector lines with published limitations less than 263,000 pounds were adequate. The review revealed that the reduced published load limitations for the connectors exceeded the M-1 weight limitations for installations that could expect tank shipments. The few remaining connectors with reduced published limitations were also found to accept expected defense loads.

The gross weight study of defense rail lines revealed that they have acceptable allowable gross weight limitations. As is the case with oversize loads, overweight loads can often be routed on non-STRACNET lines, since most railroad main lines can accommodate 6-axle cars weighing 394,500 pounds.

V. CONCLUSIONS

MTMCTEA and FRA reviewed civil rail lines important to national defense. The State maps in appendix A identify STRACNET and its connector lines. The maps are supplemented by a list of DOD installations and activities requiring rail service in appendix B.

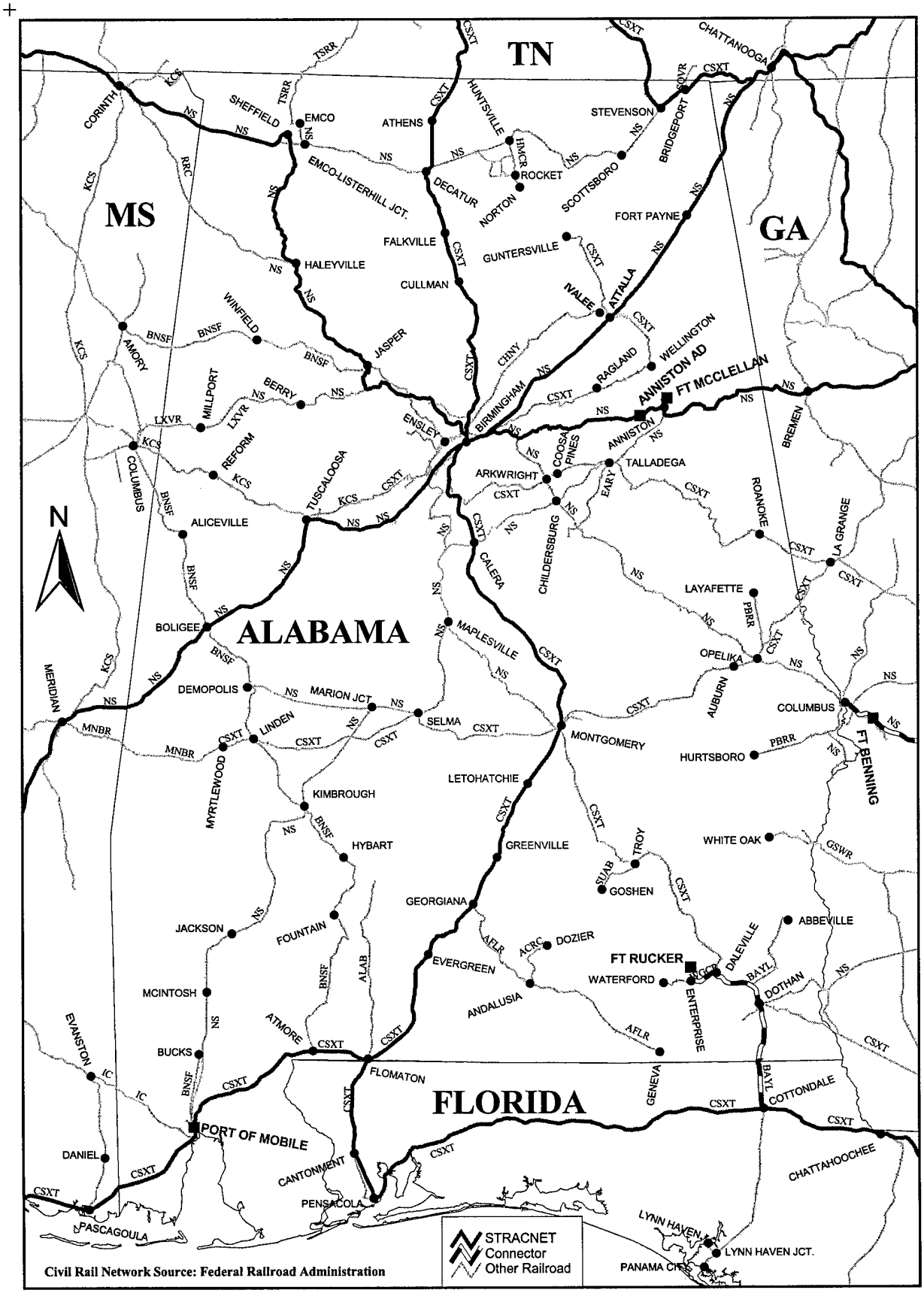
Most designated lines meet defense readiness requirements for maintenance condition, clearance, and gross weight capabilities.

Defense rail lines designated in appendix A, and the installations and activities identified as requiring rail service in appendix B, document defense rail requirements and supersede previous reports.

MTMCTEA will periodically review track inspection data provided by FRA for defense lines. It is anticipated that future detailed reviews of defense rail requirements will be periodically conducted by MTMCTEA and FRA.

APPENDIX A

STATE MAPS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REFORM
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ALICEVILLE
ANNISTON
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CHILDERSBURG
CALERA
ROANOKE
LA GRANGE
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LAYAFETTE
PBRR
OPELIKA
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FT BENNING
BOLIGEE
MAPLESVILLE
MERIDIAN
DEMOPOLIS
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LINDEN
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MYRTLEWOOD
KIMBROUGH
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DALEVILLE
EVERGREEN
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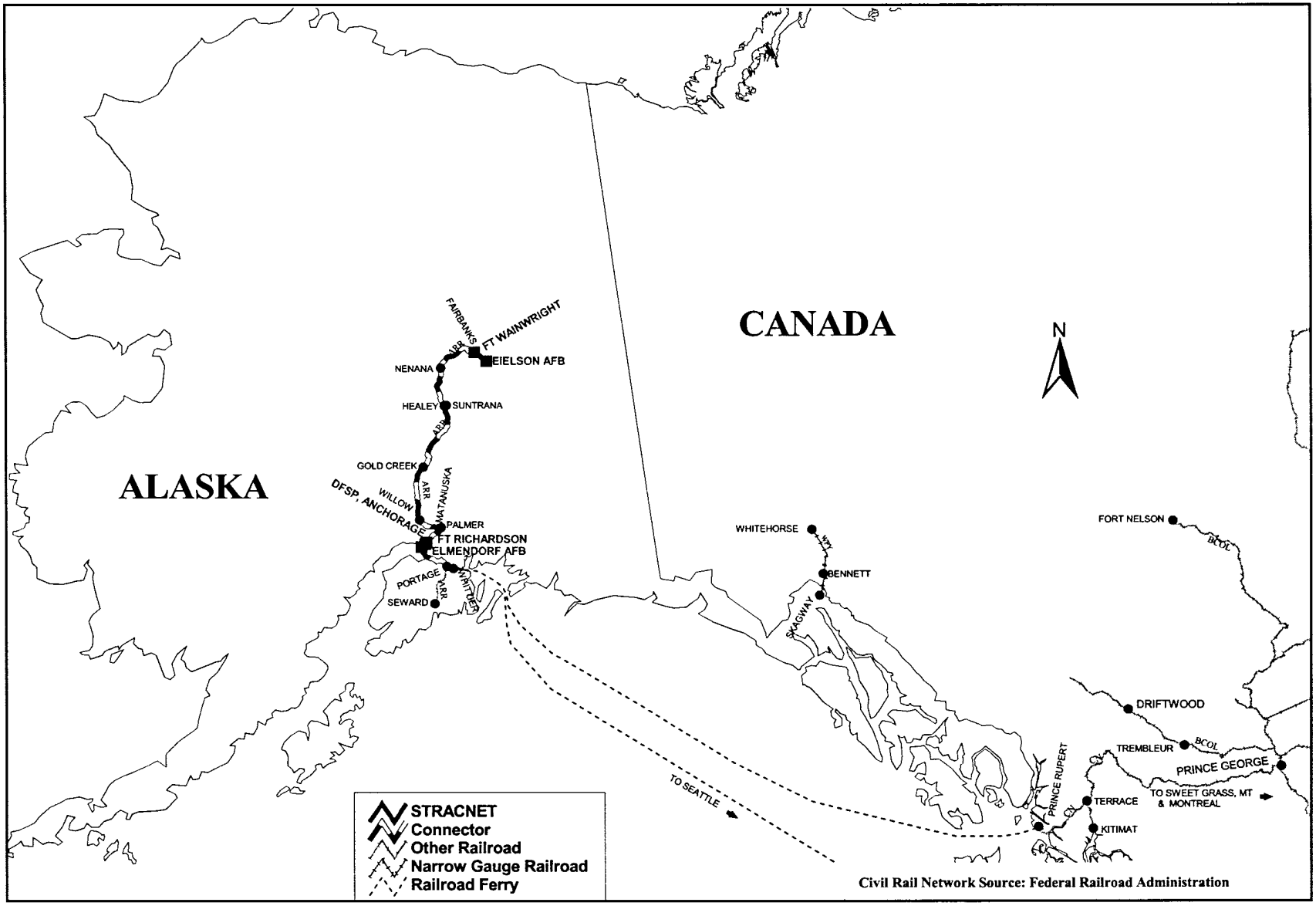
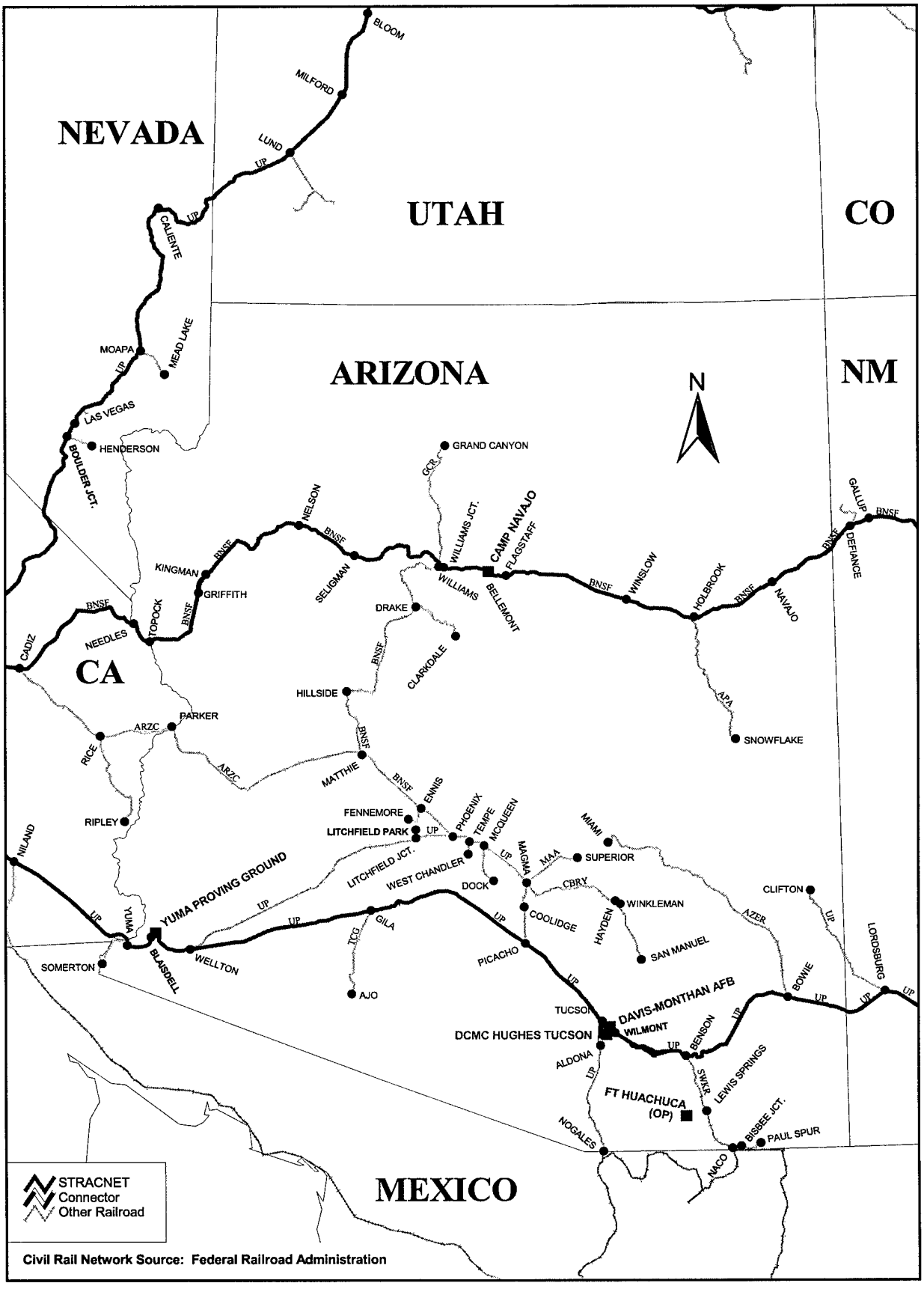
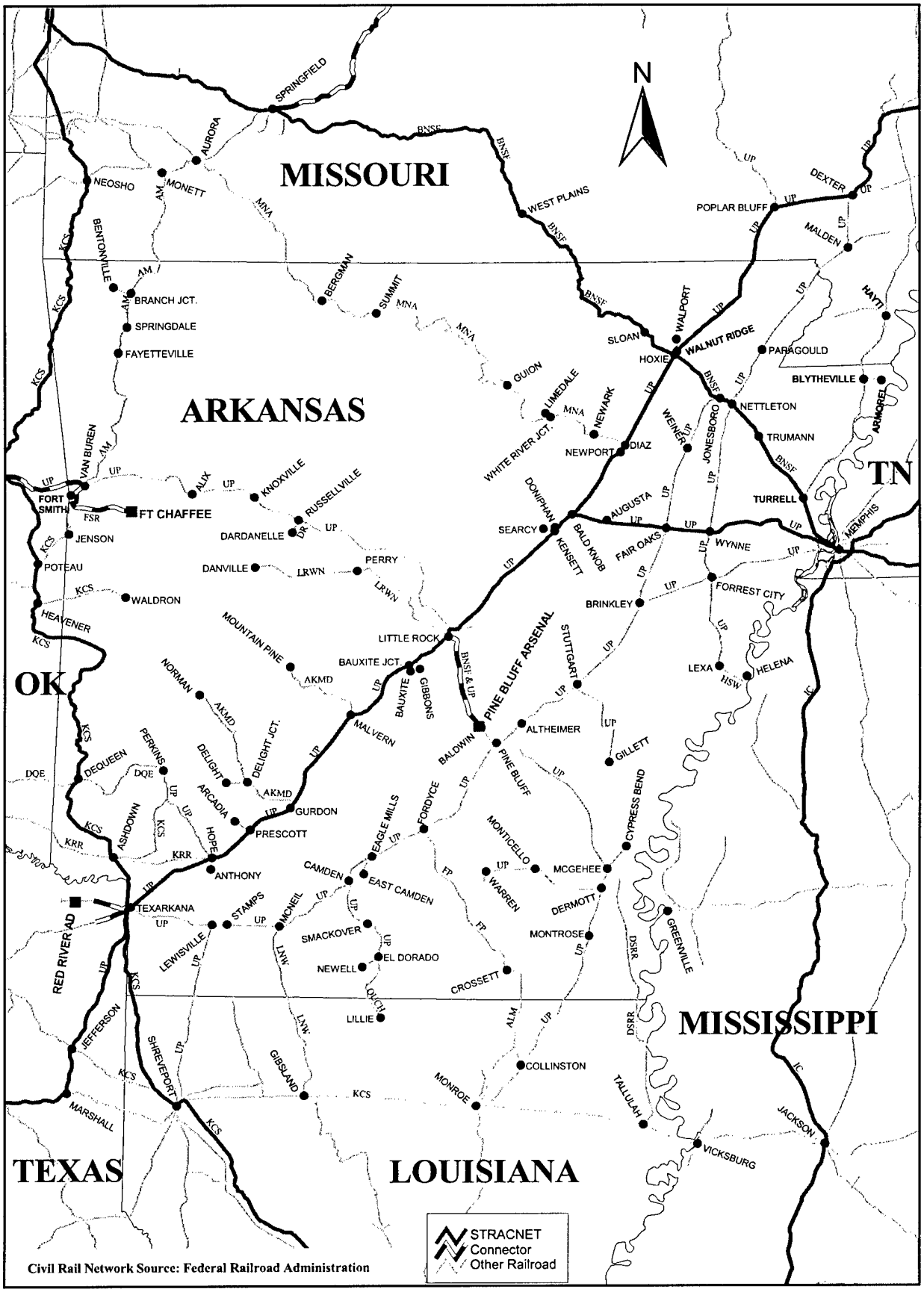
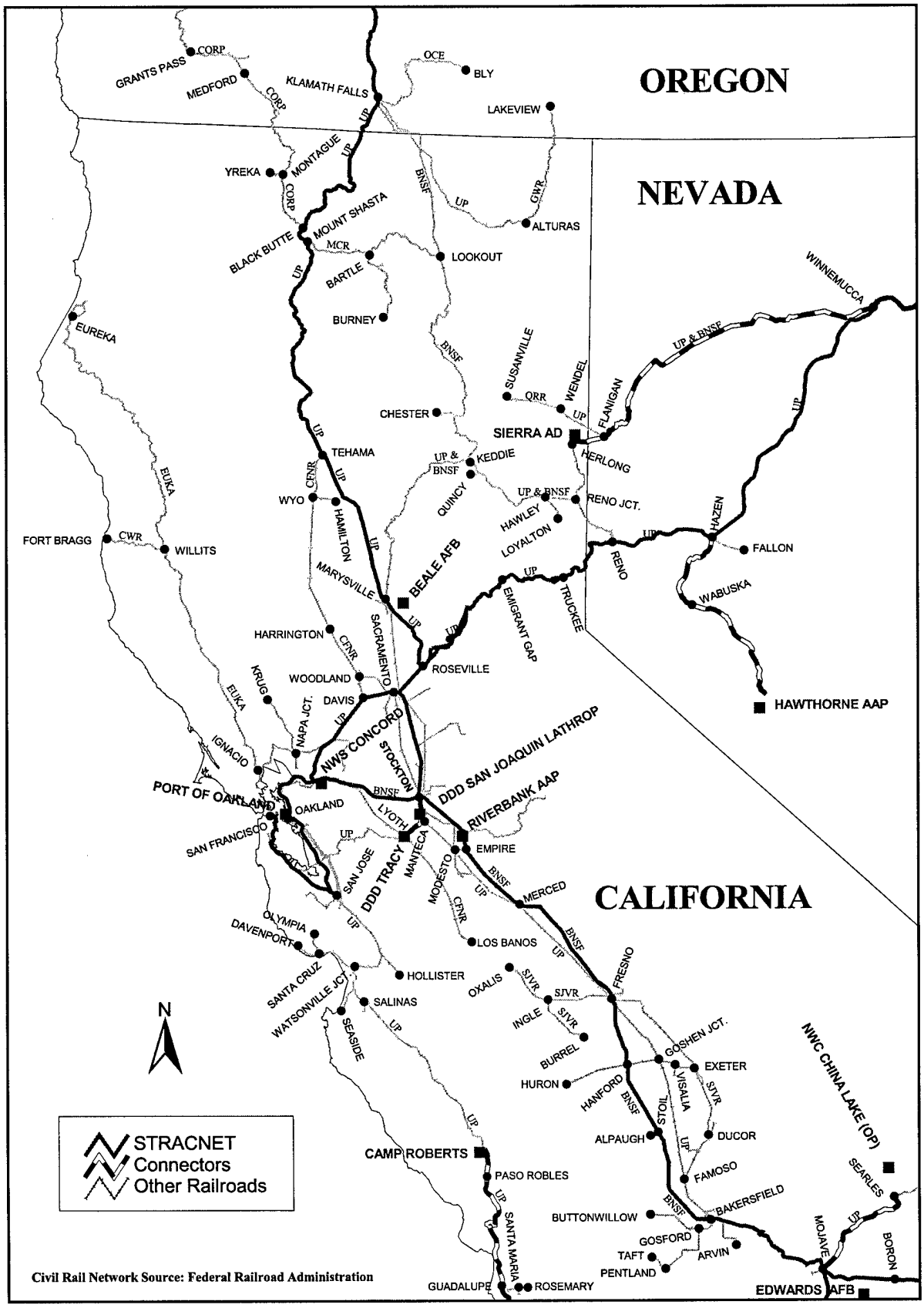
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

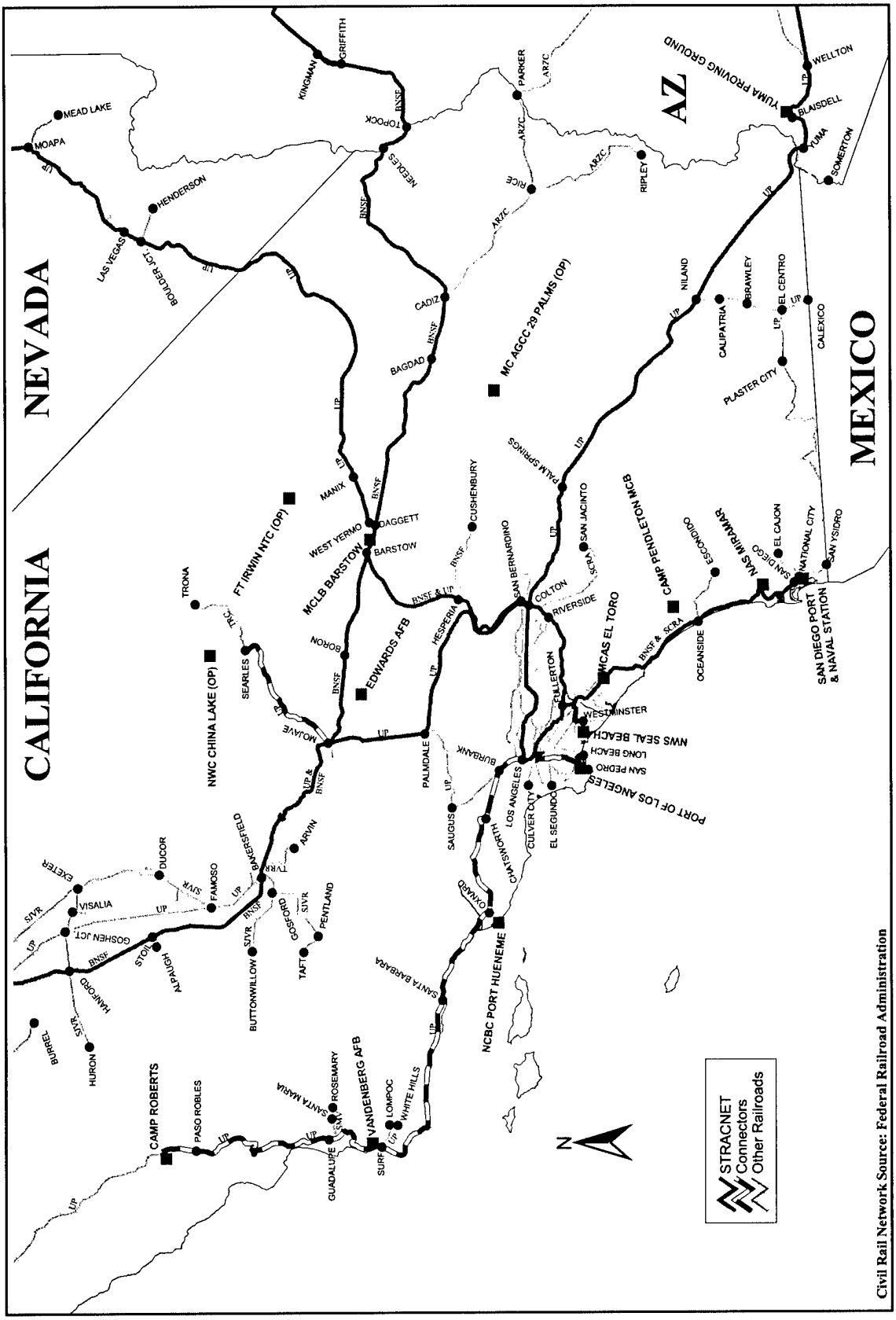

ALASKA
CANADA
N
FAIRBANKS
ARR
FT WAINWRIGHT
EIELSON AFB
NENANA
HEALEY
SUNTRANA
ARR
GOLD CREEK
ARR
MATANUSKA
WILLOW
DFSP, ANCHORAGE
PALMER
FT RICHARDSON
ELMENDORF AFB
PORTAGE
ARR
WHITTIER
SEWARD
WHITEHORSE
YRY
BENNETT
SKAGWAY
FORT NELSON
BCOL
DRIFTWOOD
TREMBLEUR
BCOL
PRINCE GEORGE
TO SWEET GRASS, MT
& MONTREAL
PRINCE RUPERT
CN
TERRACE
KITIMAT
TO SEATTLE
STRACNET
Connector
Other Railroad
Narrow Gauge Railroad
Railroad Ferry
Civil Rail Network Source: Federal Railroad Administration

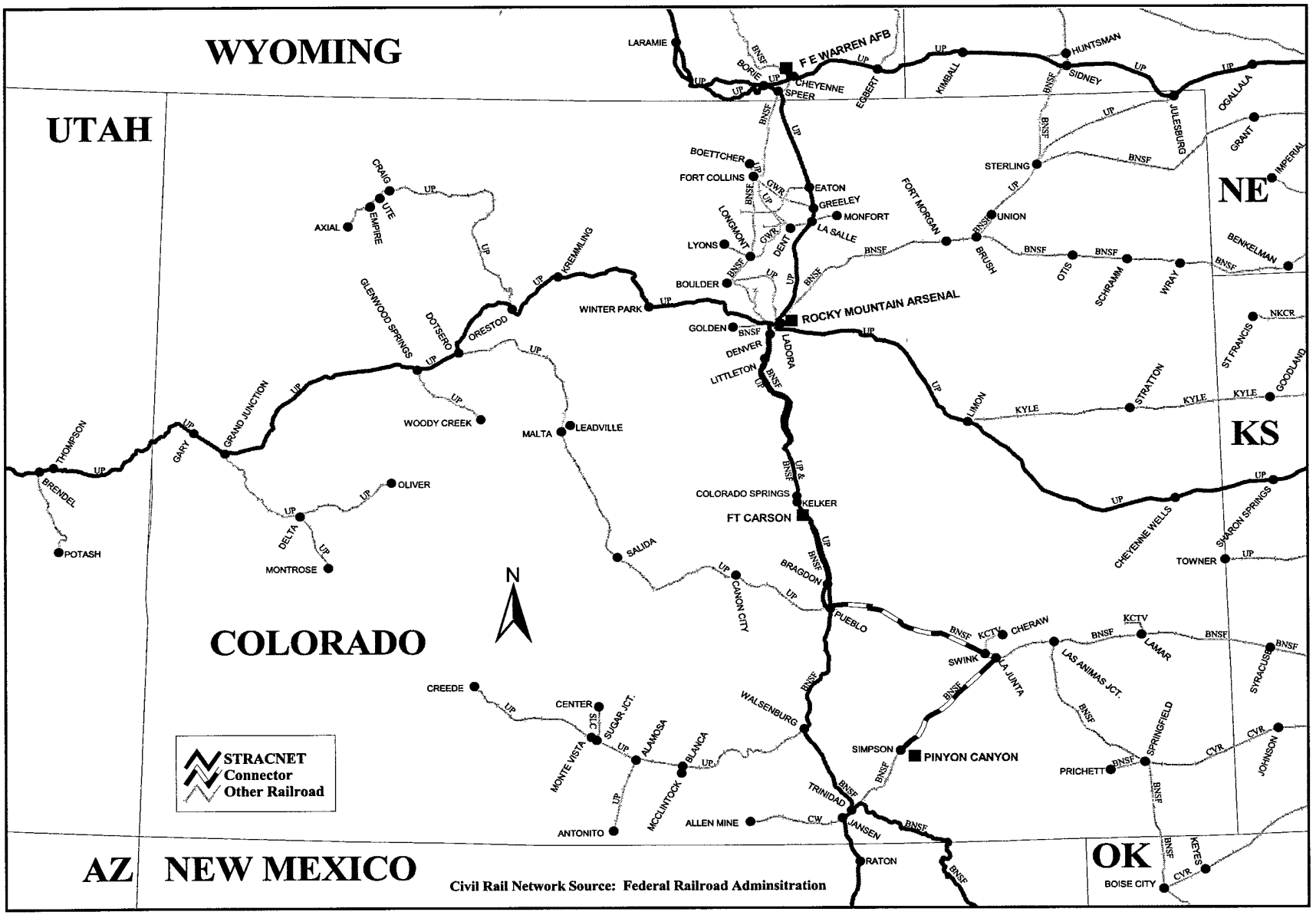

NEVADA
UTAH
CO
ARIZONA
NM
CA
MEXICO
N
BLOOM
MILFORD
LUND
UP
CALIENTE
MOAPA
MEAD LAKE
LAS VEGAS
HENDERSON
BOULDER JCT.
GRAND CANYON
GCR
WILLIAMS JCT.
CAMP NAVAJO
FLAGSTAFF
NELSON
BNSF
KINGMAN
GRIFFITH
SELIGMAN
WILLIAMS
BELLEMONT
WINSLOW
HOLBROOK
NAVAJO
GALLUP
DEFIANCE
CADIZ
NEEDLES
TOPOCK
DRAKE
CLARKDALE
HILLSIDE
PARKER
ARZC
RICE
MATTHIE
ENNIS
APA
SNOWFLAKE
RIPLEY
FENNEMORE
LITCHFIELD PARK
PHOENIX
TEMPE
MCQUEEN
MIAMI
SUPERIOR
NILAND
YUMA
YUMA PROVING GROUND
LITCHFIELD JCT.
WEST CHANDLER
MAGMA
MAA
DOCK
CBRY
WINKLEMAN
CLIFTON
AZER
LORDSBURG
SOMERTON
BLAISDELL
WELLTON
GILA
TCG
AJO
COOLIDGE
HAYDEN
SAN MANUEL
PICACHO
TUCSON
DAVIS-MONTHAN AFB
WILMONT
DCMC HUGHES TUCSON
BOWIE
BENSON
ALDONA
SWKR
LEWIS SPRINGS
FT HUACHUCA
(OP)
BISBEE JCT.
PAUL SPUR
NOGALES
NACO
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

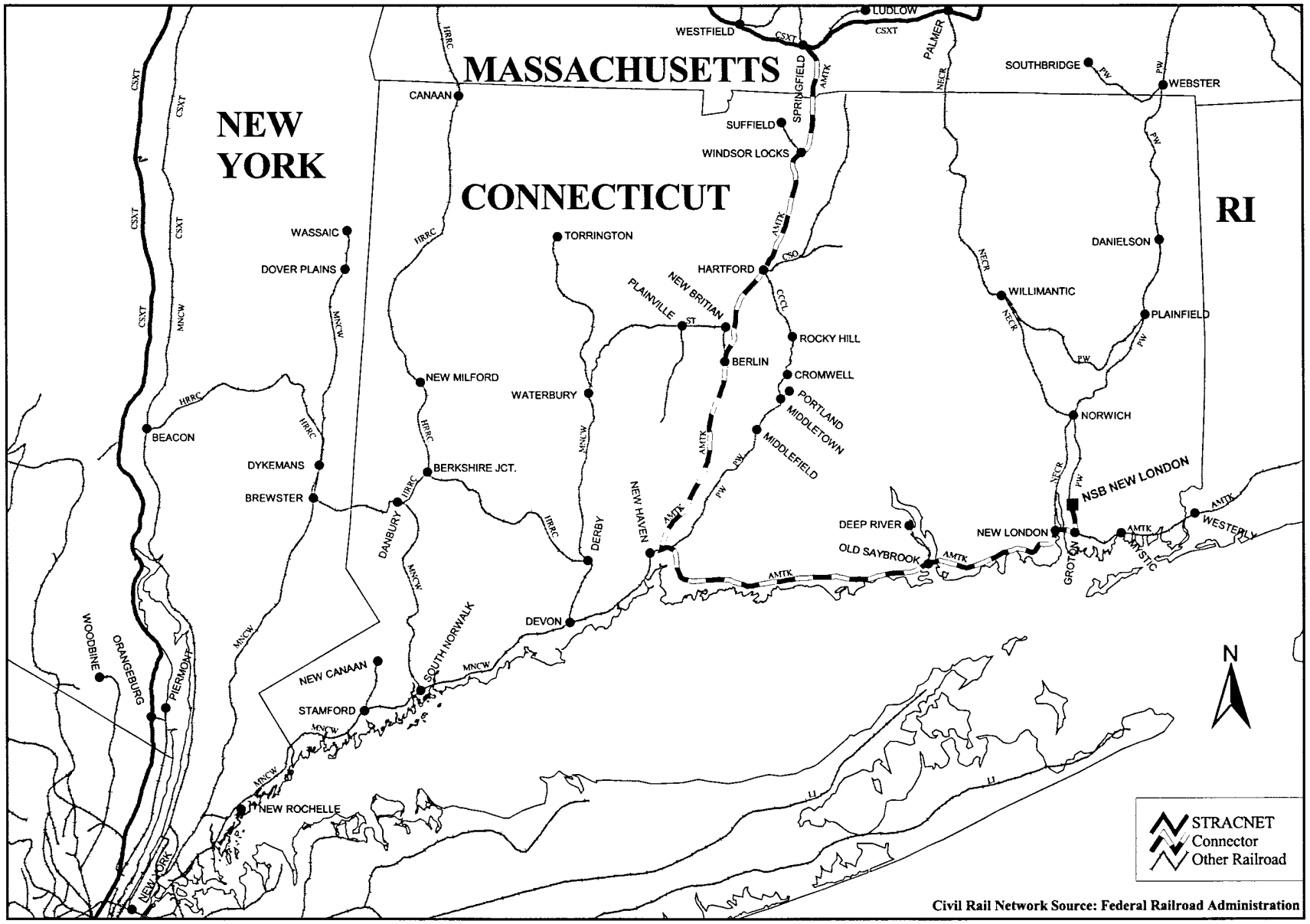


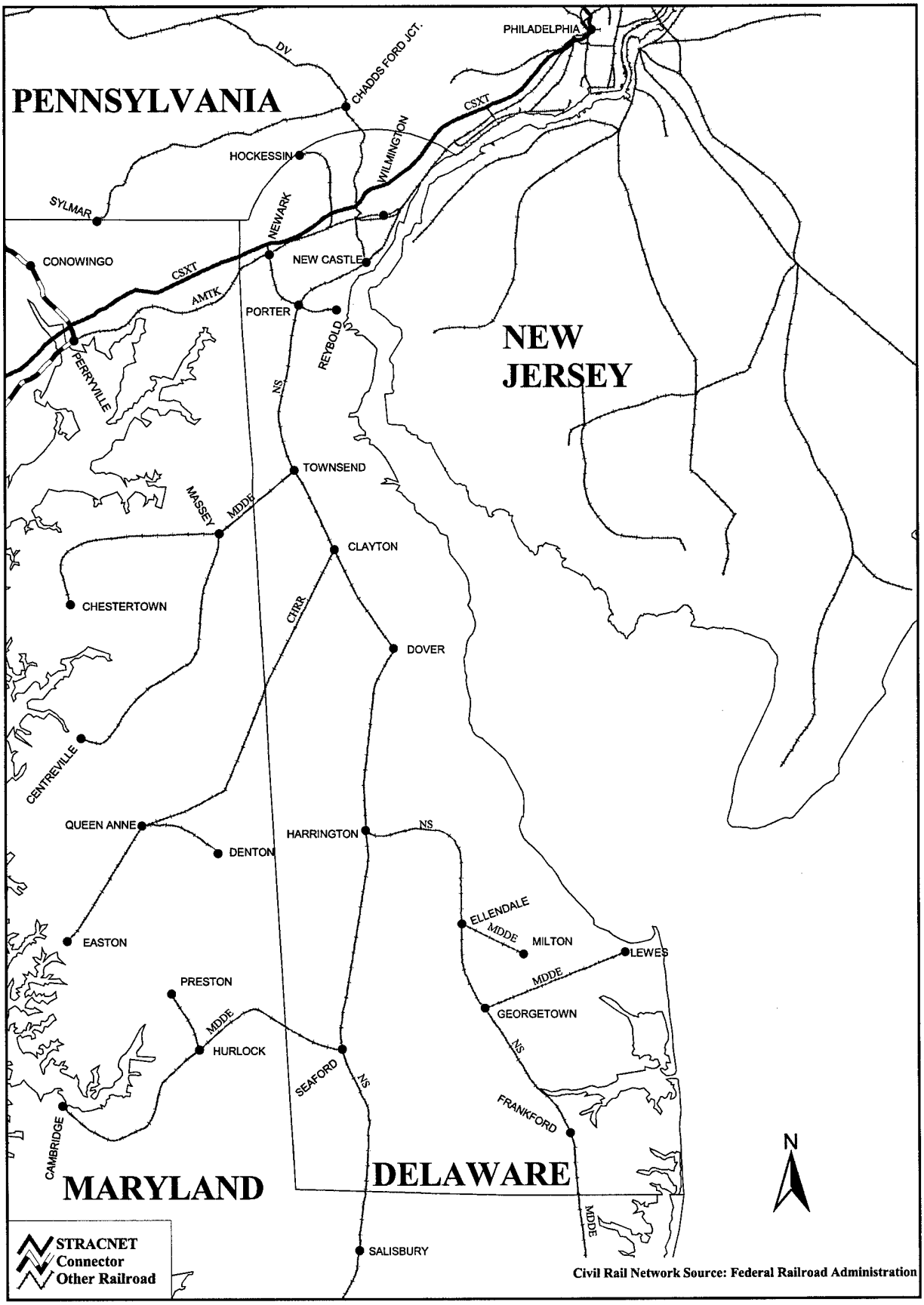
Civil Rail Network Source: Federal Railroad Administration

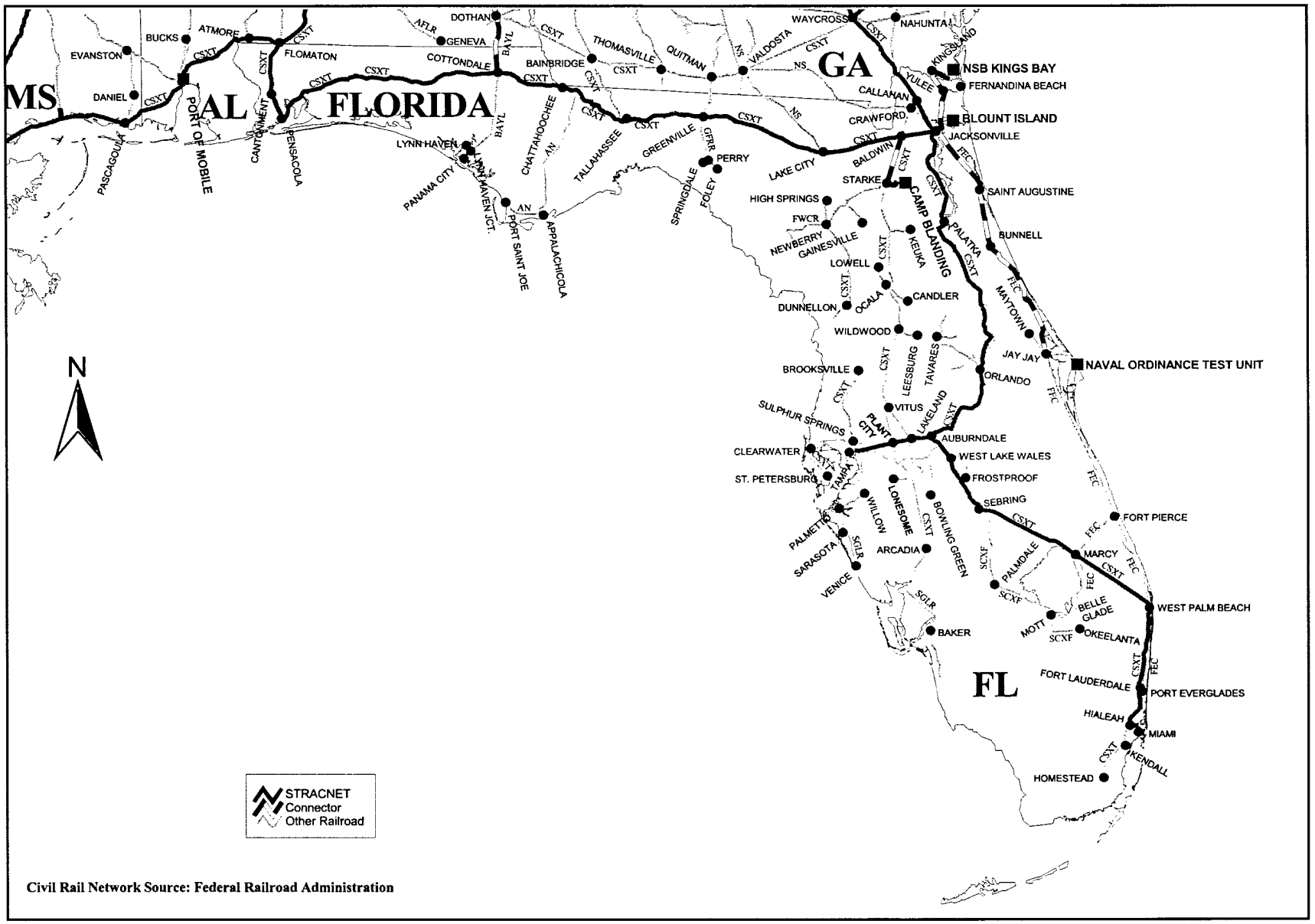

OREGON
NEVADA
CALIFORNIA
GRANTS PASS
CORP
MEDFORD
KLAMATH FALLS
OCE
BLY
LAKEVIEW
YREKA
MONTAGUE
BLACK BUTTE
MOUNT SHASTA
MCR
BARTLE
LOOKOUT
ALTURAS
BURNEY
EUREKA
CHESTER
SIERRA AD
TEHAMA
KEDDIE
WYO
QUINCY
HAWLEY
LOYALTON
RENO JCT.
RENO
FALLON
WABUSKA
HAWTHORNE AAP
WINNEMUCCA
SUSANVILLE
QRR
WENDEL
FLANIGAN
HERLONG
FORT BRAGG
CWR
WILLITS
HAMILTON
MARYSVILLE
BEALE AFB
EMIGRANT GAP
TRUCKEE
HARRINGTON
SACRAMENTO
ROSEVILLE
WOODLAND
DAVIS
KRUG
NAPA JCT.
IGNACIO
NWS CONCORD
STOCKTON
DDD SAN JOAQUIN LATHROP
RIVERBANK AAP
PORT OF OAKLAND
OAKLAND
SAN FRANCISCO
LYOTH
MANTECA
EMPIRE
DDD TRACY
SAN JOSE
MODESTO
MERCED
OLYMPIA
DAVENPORT
LOS BANOS
SANTA CRUZ
WATSONVILLE JCT
HOLLISTER
SALINAS
SEASIDE
OXALIS
INGLE
BURREL
FRESNO
GOSHEN JCT.
EXETER
VISALIA
HURON
HANFORD
ALPAUGH
DUCOR
FAMOSO
BAKERSFIELD
BUTTONWILLOW
GOSFORD
TAFT
PENTLAND
ARVIN
CAMP ROBERTS
PASO ROBLES
SANTA MARIA
GUADALUPE
ROSEMARY
EDWARDS AFB
MOJAVE
BORON
SEARLES
NWC CHINA LAKE (OP)
N
STRACNET
Connectors
Other Railroads
Civil Rail Network Source: Federal Railroad Administration


CALIFORNIA
NEVADA
AZ
MEXICO
TUMA PROVING GROUND
MEAD LAKE
MOAPA
HENDERSON
LAS VEGAS
BOULDER JCT
KINGMAN
GRIFFITH
TOPOCK
NEEDLES
PARKER
RICE
RIPLEY
WELLTON
BLAISDELL
YUMA
SOMERTON
CADIZ
BAGDAD
MANIX
WEST YERMO
DAGGETT
BARSTOW
MCLB BARSTOW
FT IRWIN NTC (OP)
TRONA
SEARLES
NWC CHINA LAKE (OP)
BORON
EDWARDS AFB
MOJAVE
MC AGCC 29 PALMS (OP)
CUSHENBURY
HESPERIA
SAN BERNARDINO
COLTON
RIVERSIDE
SAN JACINTO
PALM SPRINGS
NILAND
CALIPATRIA
BRAWLEY
EL CENTRO
CALEXICO
PLASTER CITY
CAMP PENDLETON MCB
OCEANSIDE
ESCONDIDO
MCAS EL TORO
FULLERTON
WESTMINSTER
NWS SEAL BEACH
LONG BEACH
SAN PEDRO
PORT OF LOS ANGELES
LOS ANGELES
CULVER CITY
EL SEGUNDO
BURBANK
PALMDALE
SAUGUS
CHATSWORTH
OXNARD
SANTA BARBARA
NCBC PORT HUENEME
NAS MIRAMAR
SAN DIEGO
EL CAJON
NATIONAL CITY
SAN YSIDRO
SAN DIEGO PORT & NAVAL STATION
BAKERSFIELD
TYRR
ARVIN
DUCOR
FAMOSO
EXETER
VISALIA
GOSHEN JCT
HANFORD
STOCKDALE
ALPAUGH
BUTTONWILLOW
GOSFORD
TAFT
PENTLAND
BURREL
HURON
CAMP ROBERTS
PASO ROBLES
GUADALUPE
SANTA MARIA
ROSEMARY
VANDENBERG AFB
LOMPOC
WHITE HILLS
SURF
STRACNET
Connectors
Other Railroads
N
Civil Rail Network Source: Federal Railroad Administration

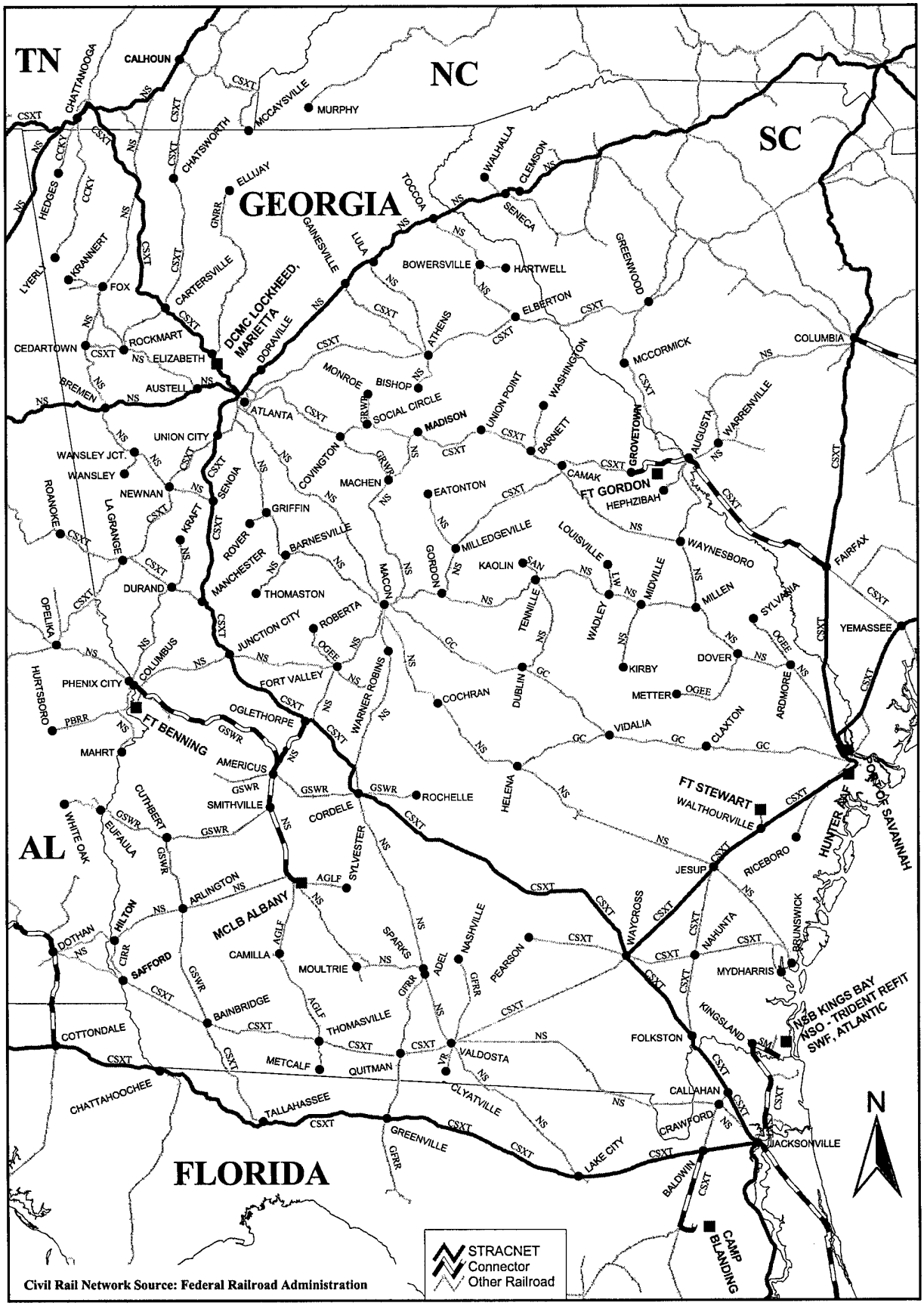

WYOMING
UTAH
COLORADO
NEW MEXICO
AZ
NE
KS
OK
N
LARAMIE
F E WARREN AFB
CHEYENNE
SPEER
BORIE
EGBERT
KIMBALL
HUNTSMAN
SIDNEY
JULESBURG
OGALLALA
GRANT
IMPERIAL
BENKELMAN
STERLING
FORT MORGAN
BRUSH
UNION
OTIS
SCHRAMM
WRAY
BOETTCHER
FORT COLLINS
EATON
GREELEY
MONFORT
LA SALLE
DENT
LONGMONT
LYONS
BOULDER
WINTER PARK
KREMMLING
CRAIG
UTE
EMPIRE
AXIAL
GLENWOOD SPRINGS
DOTSERO
OREStOD
ROCKY MOUNTAIN ARSENAL
GOLDEN
DENVER
LITTLETON
LADORA
NKCR
ST FRANCIS
GOODLAND
KYLE
STRATTON
LIMON
CHEYENNE WELLS
SHARON SPRINGS
TOWNER
THOMPSON
GARY
GRAND JUNCTION
BRENDEL
POTASH
DELTA
MONTROSE
OLIVER
WOODY CREEK
MALTA
LEADVILLE
SALIDA
COLORADO SPRINGS
KELKER
FT CARSON
BRAGDON
CANON CITY
PUEBLO
SWINK
CHERAW
KCTV
LAMAR
LA JUNTA
LAS ANIMAS JCT.
SYRACUSE
SPRINGFIELD
PRICHETT
JOHNSON
CVR
KEYES
BOISE CITY
CREEDE
CENTER
SUGAR JCT.
SLC
ALAMOSA
BLANCA
MONTE VISTA
McCLINTOCK
ANTONITO
WALSENBURG
SIMPSON
PINYON CANYON
TRINIDAD
ALLEN MINE
CW
JANSEN
RATON
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Adminsitration

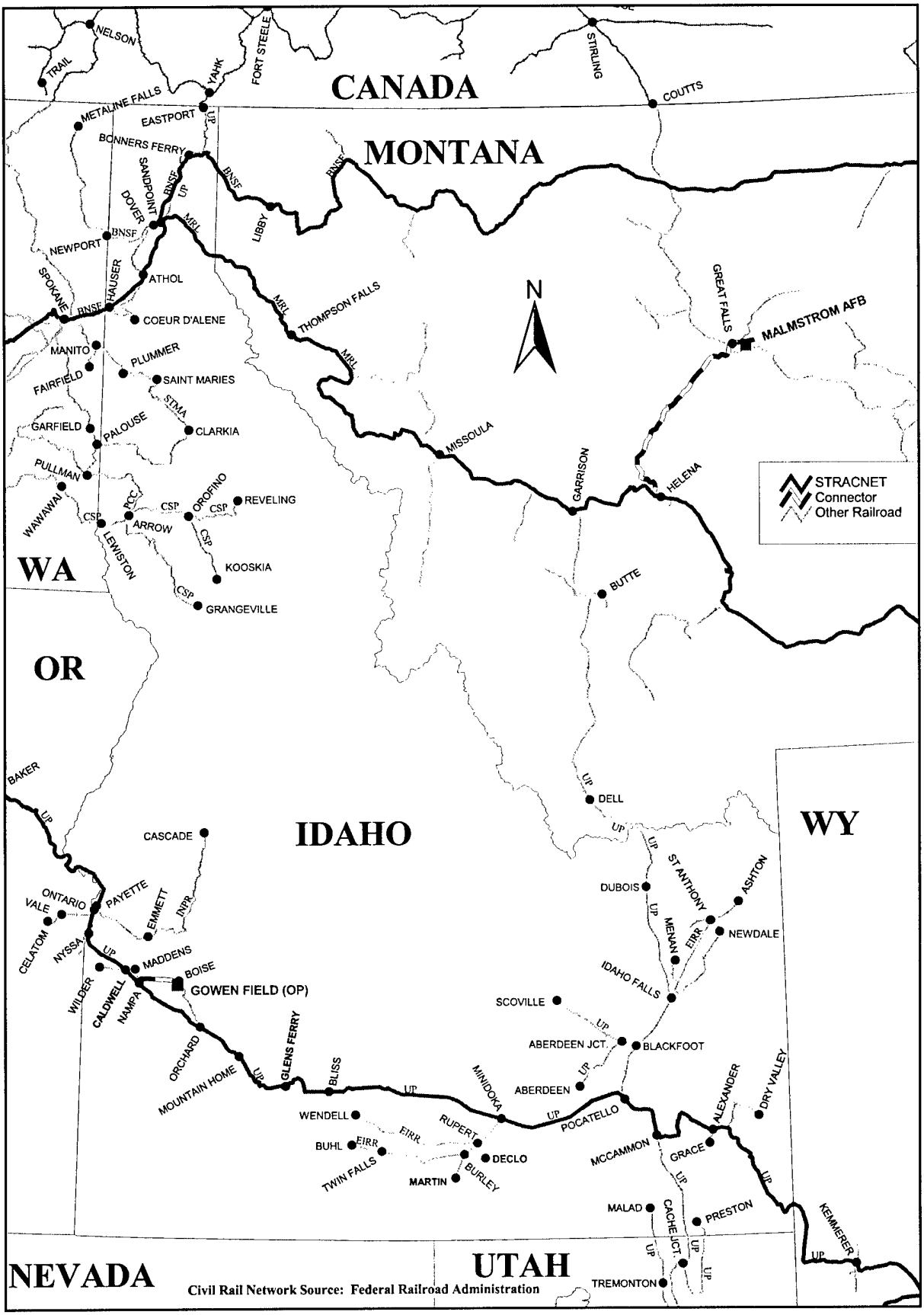

MASSACHUSETTS
NEW YORK
CONNECTICUT
RI
WESTFIELD
LUDLOW
SPRINGFIELD
PALMER
SOUTHBRIDGE
WEBSTER
CANAAN
SUFFIELD
WINDSOR LOCKS
WASSAIC
DOVER PLAINS
TORRINGTON
HARTFORD
NEW BRITIAN
PLAINVILLE
DANIELSON
WILLIMANTIC
PLAINFIELD
ROCKY HILL
BERLIN
CROMWELL
PORTLAND
MIDDLETOWN
MIDDLEFIELD
NEW MILFORD
WATERBURY
NORWICH
BEACON
DYKEMANS
BERKSHIRE JCT.
BREWSTER
DANBURY
DERBY
NEW HAVEN
NSB NEW LONDON
DEEP RIVER
NEW LONDON
OLD SAYBROOK
GROTON
MYSTIC
WESTERLY
DEVON
SOUTH NORWALK
NEW CANAAN
STAMFORD
WOODBINE
ORANGEBURG
PIERMONT
NEW ROCHELLE
NEW YORK
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

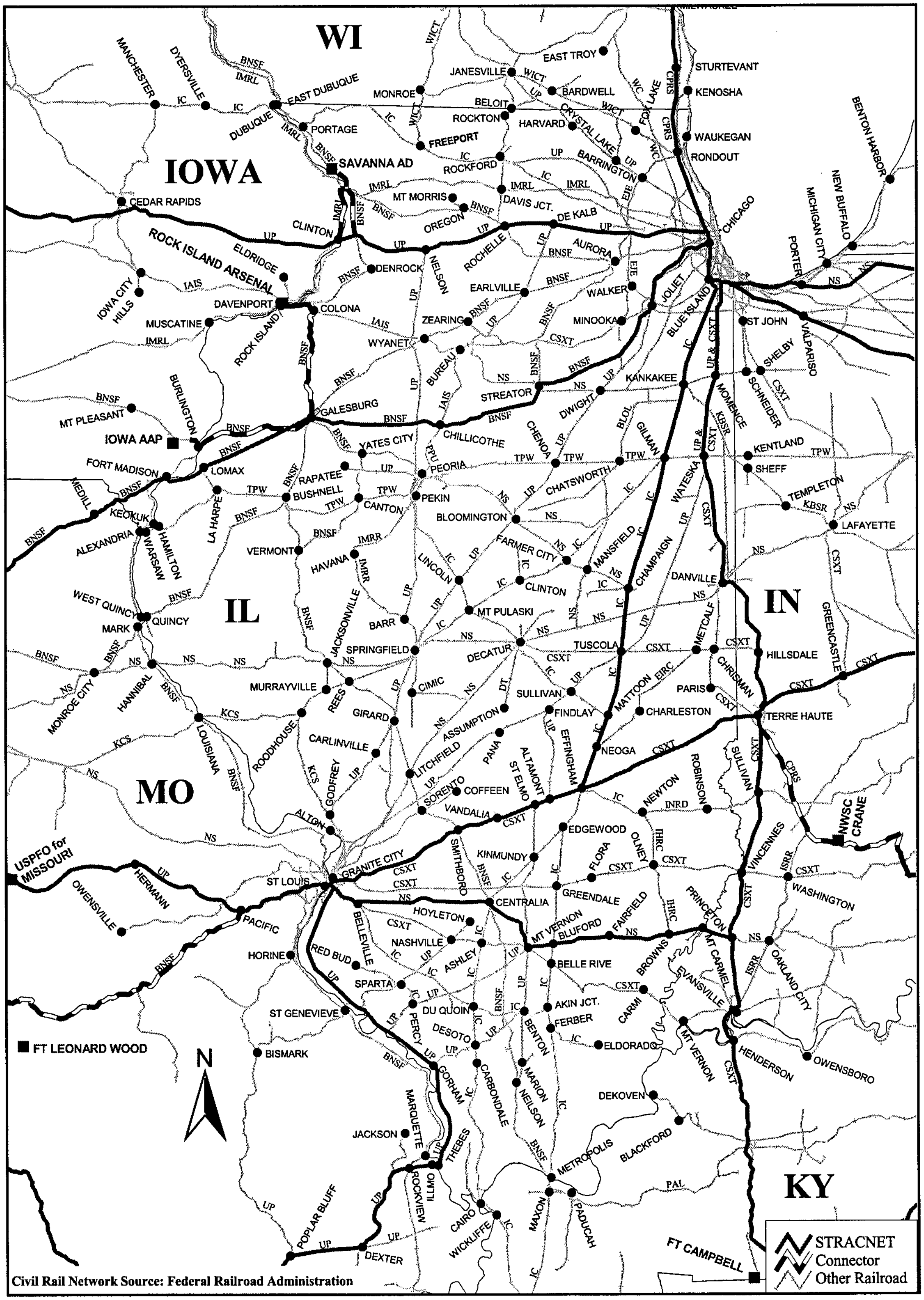

PENNSYLVANIA
NEW JERSEY
MARYLAND
DELAWARE
PHILADELPHIA
DV
CHADDS FORD JCT.
CSXT
WILMINGTON
HOCKESSIN
SYLMAR
NEWARK
CONOWINGO
CSXT
AMTK
NEW CASTLE
PORTER
REYBOLD
NS
PERRYVILLE
TOWNSEND
MASSEY
MDDE
CLAYTON
CHESTERTOWN
CHRR
DOVER
CENTREVILLE
QUEEN ANNE
HARRINGTON
NS
DENTON
ELLENDALE
MDDE
MILTON
LEWES
EASTON
MDDE
PRESTON
GEORGETOWN
MDDE
HURLOCK
NS
SEAFORD
NS
FRANKFORD
CAMBRIDGE
MDDE
SALISBURY
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

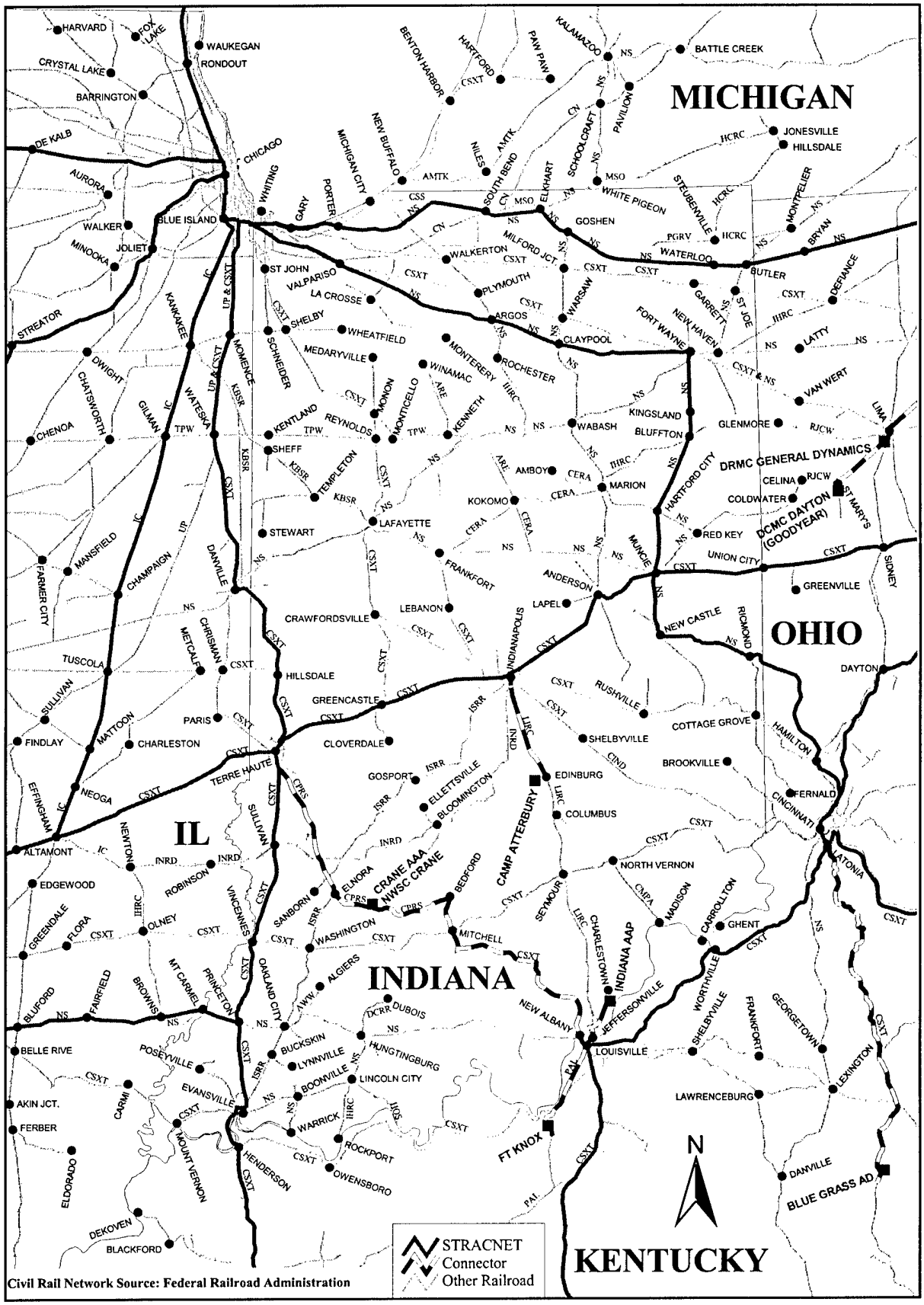


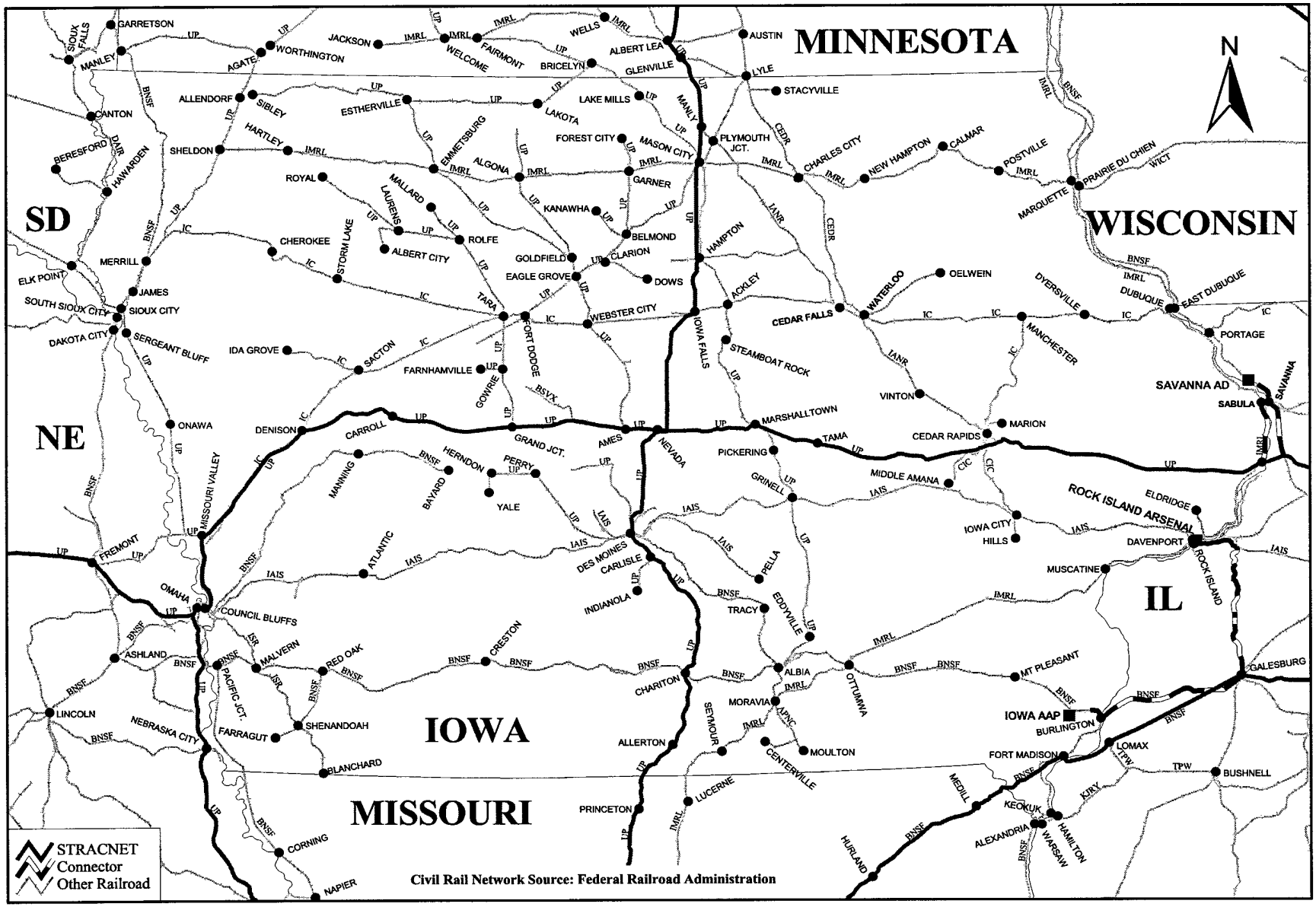
Civil Rail Network Source: Federal Railroad Administration

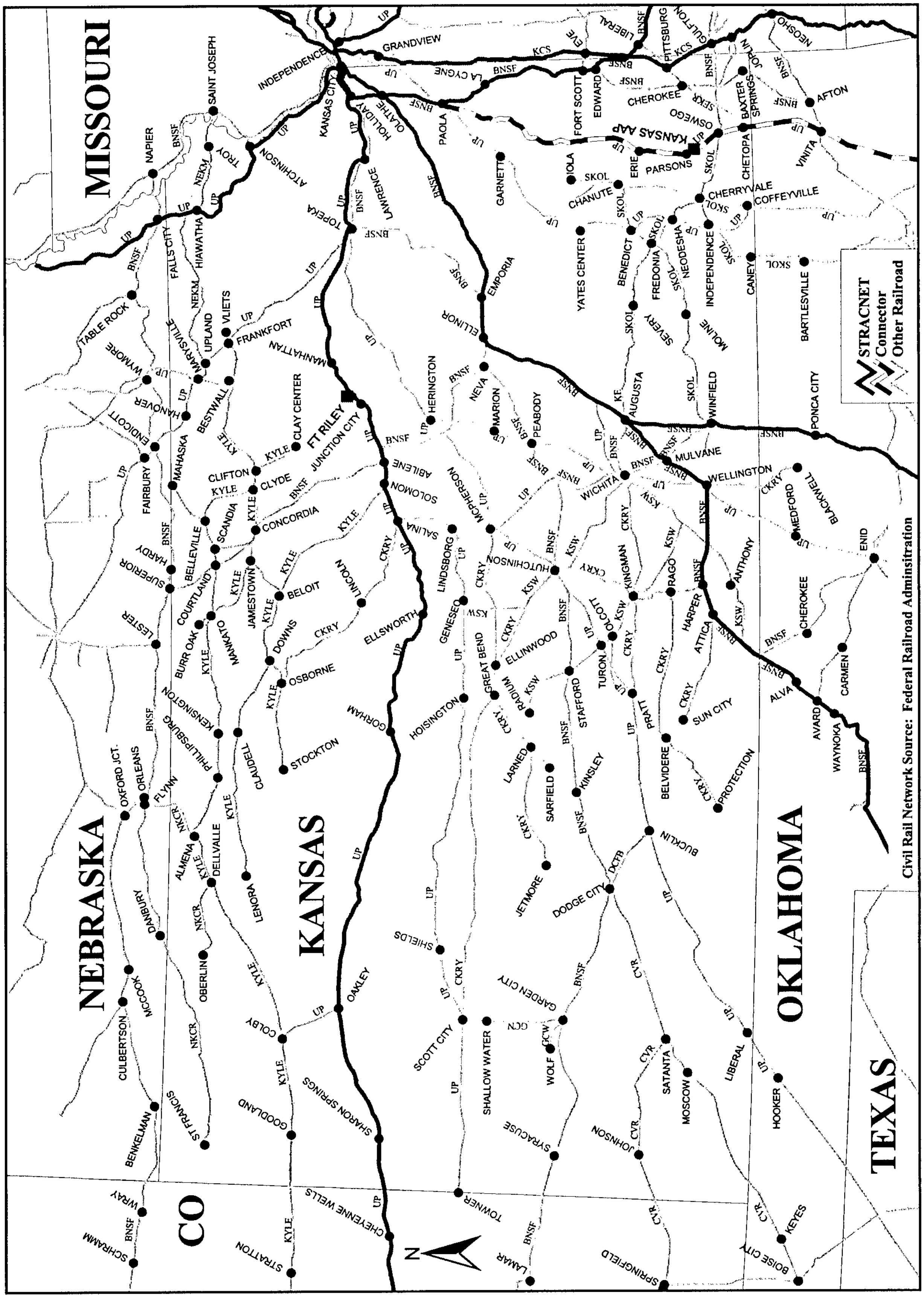

TN
NC
SC
GEORGIA
AL
FLORIDA
CALHOUN
CHATTANOOGA
MURPHY
MCCAYSVILLE
CHATSWORTH
ELLIJAY
HEDGES
LYERLY
KRANNERT
FOX
CARTERSVILLE
DCMC LOCKHEED, MARIETTA
DORAVILLE
GAINESVILLE
LULA
TOCCOA
WALHALLA
CLEMSON
SENECA
GREENWOOD
BOWERSVILLE
HARTWELL
ELBERTON
ATHENS
CEDARTOWN
ROCKMART
ELIZABETH
AUSTELL
BREMEN
ATLANTA
MONROE
BISHOP
SOCIAL CIRCLE
MADISON
UNION POINT
WASHINGTON
BARNETT
GROVETOWN
MCCORMICK
COLUMBIA
AUGUSTA
WARRENVILLE
UNION CITY
WANSLEY JCT.
WANSLEY
NEWNAN
COVINGTON
MACHEN
EATONTON
CAMAK
FT GORDON
HEPHZIBAH
ROANOKE
LA GRANGE
KRAFT
SENOIA
GRIFFIN
ROVER
MANCHESTER
BARNESVILLE
MILLEDGEVILLE
LOUISVILLE
WAYNESBORO
FAIRFAX
DURAND
THOMASTON
MACON
GORDON
KAOLIN
SAN
TENNILLE
WADLEY
MIDVILLE
MILLEN
SYLVANIA
OPELIKA
COLUMBUS
JUNCTION CITY
ROBERTA
OGEE
DUBLIN
KIRBY
DOVER
YEMASSEE
HURTSBORO
PHENIX CITY
FORT VALLEY
WARNER ROBINS
COCHRAN
METTER
ARDMORE
PBRR
FT BENNING
OGLETHORPE
VIDALIA
CLAXTON
MAHRT
AMERICUS
GSWR
ROCHELLE
HELENA
FT STEWART
WALTHOURVILLE
HUNTER AAF
PORT OF SAVANNAH
WHITE OAK
CUTHBERT
EUFAULA
SMITHVILLE
CORDELE
SYLVESTER
JESUP
RICEBORO
ARLINGTON
AGLF
MCLB ALBANY
WAYCROSS
NAHUNTA
BRUNSWICK
DOTHAN
HILTON
CIRR
SAFFORD
CAMILLA
MOULTRIE
SPARKS
ADEL
NASHVILLE
PEARSON
MYDHARRIS
NSB KINGS BAY
NSO - TRIDENT REFIT
SWF, ATLANTIC
BAINBRIDGE
THOMASVILLE
GFRR
KINGSLAND
COTTONDALE
METCALF
QUITMAN
VALDOSTA
FOLKSTON
CHATTAHOOCHEE
TALLAHASSEE
GREENVILLE
CLYATTVILLE
CALLAHAN
CRAWFORD
JACKSONVILLE
LAKE CITY
BALDWIN
CAMP BLANDING
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

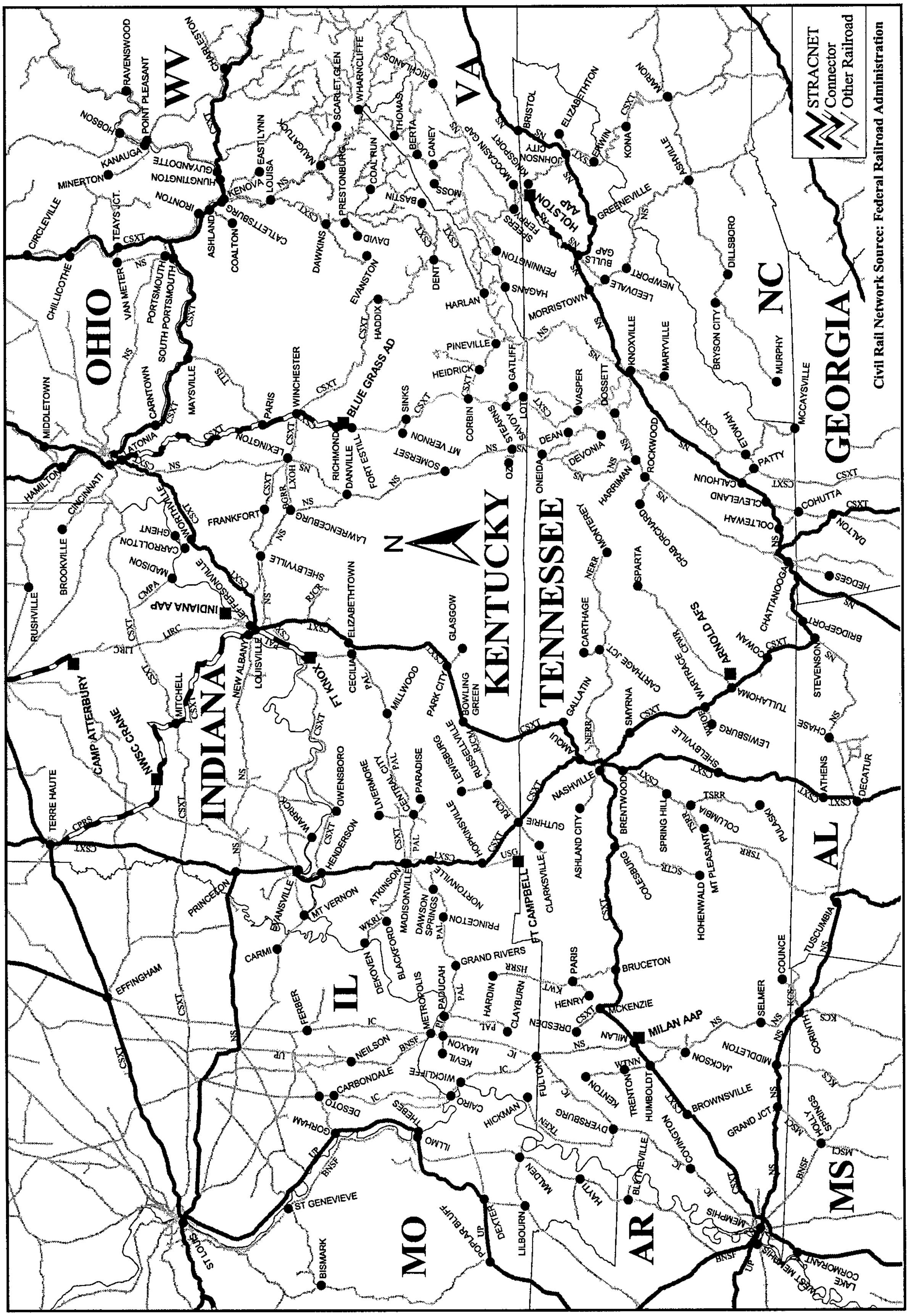

CANADA
MONTANA
WA
OR
IDAHO
WY
NEVADA
UTAH
N
STRACNET
Connector
Other Railroad
NELSON
TRAIL
FORT STEELE
YAHK
STIRLING
COUTTS
METALINE FALLS
EASTPORT
BONNERS FERRY
SANDPOINT
DOVER
NEWPORT
ATHOL
SPOKANE
HAUSER
COEUR D'ALENE
LIBBY
THOMPSON FALLS
GREAT FALLS
MALMSTROM AFB
MANITO
PLUMMER
FAIRFIELD
SAINT MARIES
GARFIELD
PALOUSE
CLARKIA
PULLMAN
WAWAWAI
LEWISTON
ARROW
OROFINO
REVELING
KOOSKIA
GRANGEVILLE
MISSOULA
GARRISON
HELENA
BUTTE
BAKER
CASCADE
ONTARIO
VALE
PAYETTE
EMMETT
CELATOM
NYSSA
MADDENS
BOISE
GOWEN FIELD (OP)
WILDER
CALDWELL
NAMPA
ORCHARD
MOUNTAIN HOME
GLENS FERRY
BLISS
WENDELL
BUHL
TWIN FALLS
RUPERT
DECLO
MARTIN
BURLEY
MINIDOKA
ABERDEEN
SCOVILLE
ABERDEEN JCT.
BLACKFOOT
DELL
DUBOIS
ST ANTHONY
ASHTON
MENAN
NEWDALE
IDAHO FALLS
POCATELLO
MCCAMMON
GRACE
ALEXANDER
DRY VALLEY
MALAD
CACHE JCT.
PRESTON
KEMMERER
TREMONTON
Civil Rail Network Source: Federal Railroad Administration


WI
IOWA
IL
MO
IN
KY
N
MANCHESTER
DYERSVILLE
EAST DUBUQUE
DUBUQUE
PORTAGE
SAVANNA AD
CEDAR RAPIDS
CLINTON
ROCK ISLAND ARSENAL
ELDRIDGE
IOWA CITY
HILLS
DAVENPORT
COLONA
MUSCATINE
ROCK ISLAND
BURLINGTON
MT PLEASANT
IOWA AAP
FORT MADISON
LOMAX
MEDILL
KEOKUK
ALEXANDRIA
HAMILTON
WARSAW
LA HARPE
WEST QUINCY
QUINCY
MARK
MONROE CITY
HANNIBAL
LOUISIANA
EAST TROY
JANESVILLE
BARDWELL
MONROE
BELOIT
ROCKTON
HARVARD
CRYSTAL LAKE
FREEPORT
ROCKFORD
BARRINGTON
MT MORRIS
DAVIS JCT.
OREGON
DE KALB
ROCHELLE
AURORA
DENROCK
NELSON
EARLVILLE
WALKER
ZEARING
MINOOKA
JOLIET
BLUE ISLAND
WYANET
BUREAU
STREATOR
DWIGHT
KANKAKEE
GALESBURG
CHILLICOTHE
YATES CITY
PEORIA
RAPATEE
BUSHNELL
PEKIN
CANTON
CHENOA
CHATSWORTH
GILMAN
BLOOMINGTON
VERMONT
HAVANA
LINCOLN
FARMER CITY
MANSFIELD
CHAMPAIGN
CLINTON
MT PULASKI
BARR
JACKSONVILLE
SPRINGFIELD
DECATUR
TUSCOLA
MURRAYVILLE
REES
CIMIC
SULLIVAN
FINDLAY
MATTOON
CHARLESTON
GIRARD
ROODHOUSE
CARLINVILLE
ASSUMPTION
PANA
NEOGA
EFFINGHAM
LITCHFIELD
GODFREY
SORENTO
COFFEEN
ALTAMONT
ST ELMO
VANDALIA
ALTON
GRANITE CITY
ST LOUIS
SMITHBORO
KINMUNDY
EDGEWOOD
FLORA
GREENDALE
CENTRALIA
HOYLETON
BELLEVILLE
NASHVILLE
ASHLEY
MT VERNON
BLUFORD
FAIRFIELD
BELLE RIVE
RED BUD
SPARTA
DU QUOIN
AKIN JCT.
FERBER
ELDORADO
DESOTO
BENTON
CARBONDALE
MARION
NEILSON
GORHAM
PERCY
ST GENEVIEVE
HORINE
PACIFIC
HERMANN
OWENSVILLE
USPFO for MISSOURI
FT LEONARD WOOD
BISMARK
JACKSON
MARQUETTE
THEBES
ILLMO
ROCKVIEW
CAIRO
WICKLIFFE
METROPOLIS
MAXON
PADUCAH
POPLAR BLUFF
DEXTER
FT CAMPBELL
BLACKFORD
DEKOVEN
HENDERSON
OWENSBORO
MT VERNON
EVANSVILLE
MT CARMEL
BROWNS
CARMI
PRINCETON
OAKLAND CITY
WASHINGTON
VINCENNES
NWSC CRANE
SULLIVAN
ROBINSON
NEWTON
OLNEY
TERRE HAUTE
PARIS
CHRISMAN
METCALF
HILLSDALE
GREENCASTLE
DANVILLE
LAFAYETTE
TEMPLETON
KENTLAND
SHEFF
WATESKA
MOMENCE
SCHNEIDER
SHELBY
ST JOHN
VALPARAISO
PORTER
MICHIGAN CITY
NEW BUFFALO
BENTON HARBOR
CHICAGO
WAUKEGAN
RONDOUT
KENOSHA
STURTEVANT
FOX LAKE
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

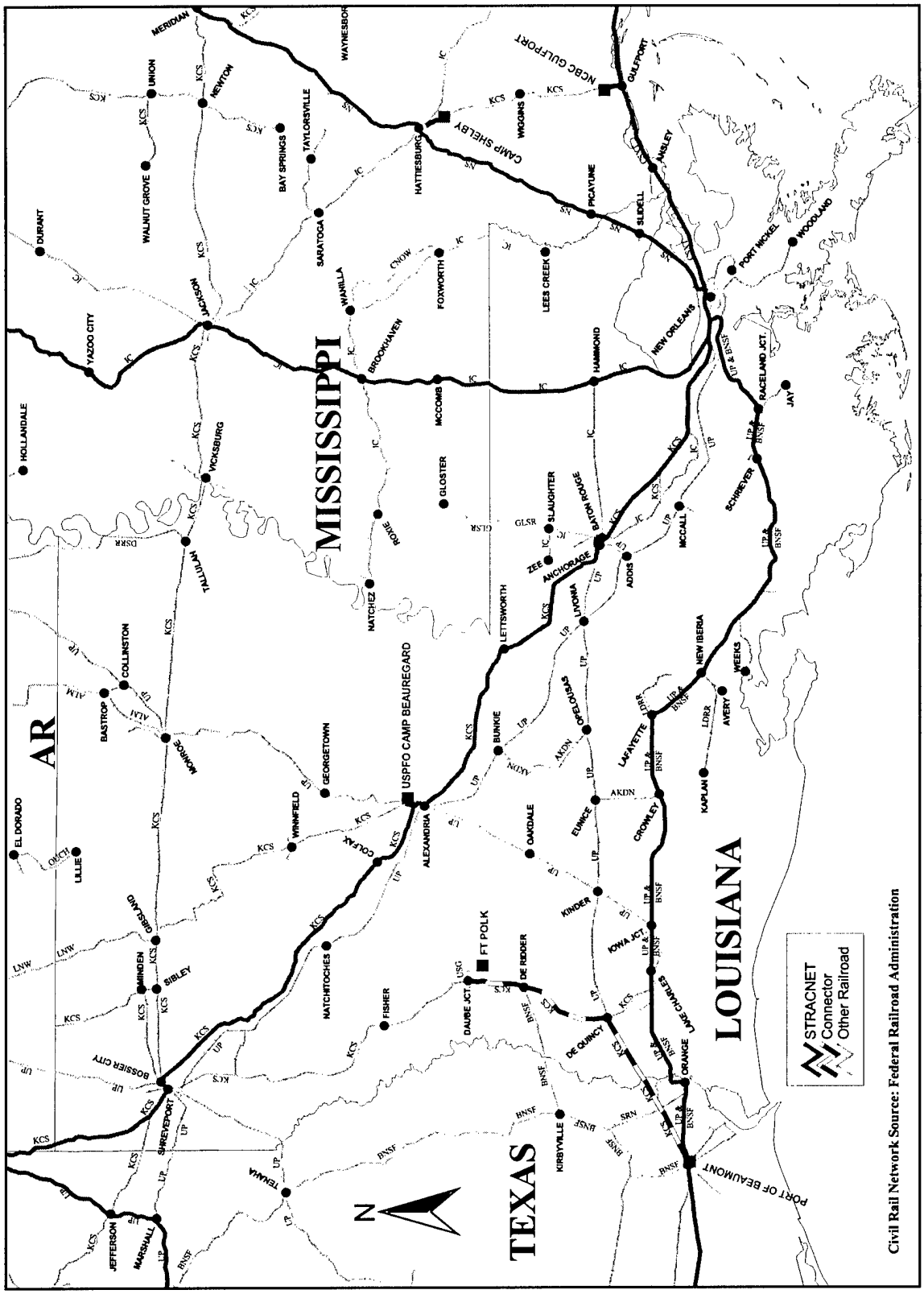

MICHIGAN
OHIO
INDIANA
IL
KENTUCKY
HARVARD
FOX LAKE
WAUKEGAN
RONDOUT
CRYSTAL LAKE
BARRINGTON
DE KALB
AURORA
CHICAGO
WHITING
GARY
PORTER
MICHIGAN CITY
NEW BUFFALO
BENTON HARBOR
HARTFORD
PAW PAW
KALAMAZOO
BATTLE CREEK
PAVILION
SCHOOLCRAFT
ELKHART
SOUTH BEND
NILES
WHITE PIGEON
GOSHEN
JONESVILLE
HILLSDALE
STEUBENVILLE
MONTPELIER
BRYAN
WATERLOO
BUTLER
DEFIANCE
WALKER
BLUE ISLAND
JOLIET
MINOOKA
STREATOR
ST JOHN
VALPARISO
LA CROSSE
SHELBY
WHEATFIELD
MEDARYVILLE
WALKERTON
MILFORD JCT.
PLYMOUTH
ARGOS
WARSAW
CLAYPOOL
ROCHESTER
MONTERERY
WINAMAC
GARRETT
ST JOE
FORT WAYNE
NEW HAVEN
LATTY
VAN WERT
LIMA
KINGSLAND
WABASH
BLUFFTON
GLENMORE
DWIGHT
CHATSWORTH
CHENOA
GILMAN
WATSEKA
KANKAKEE
MOMENCE
SCHNEIDER
KENTLAND
REYNOLDS
MONON
MONTICELLO
KENNETH
SHEFF
TEMPLETON
AMBOY
MARION
KOKOMO
COLDWATER
CELINA
DRMC GENERAL DYNAMICS
DCMC DAYTON (GOODYEAR)
ST MARYS
HARTFORD CITY
RED KEY
UNION CITY
GREENVILLE
SIDNEY
STEWART
LAFAYETTE
FRANKFORT
ANDERSON
MUNCIE
RICHMOND
NEW CASTLE
LAPEL
FARMER CITY
MANSFIELD
CHAMPAIGN
DANVILLE
CRAWFORDSVILLE
LEBANON
INDIANAPOLIS
DAYTON
TUSCOLA
METCALF
CHRISMAN
HILLSDALE
GREENCASTLE
RUSHVILLE
COTTAGE GROVE
SHELBYVILLE
BROOKVILLE
HAMILTON
SULLIVAN
PARIS
FINDLAY
MATTOON
CHARLESTON
CLOVERDALE
EDINBURG
COLUMBUS
CINCINNATI
FERNALD
TERRE HAUTE
NEOGA
EFFINGHAM
GOSPORT
ELLETTSVILLE
BLOOMINGTON
CAMP ATTERBURY
ALTAMONT
NEWTON
ROBINSON
EDGEWOOD
GREENDALE
FLORA
OLNEY
VINCENNES
SANBORN
ELNORA
CRANE AAA
NWSC CRANE
BEDFORD
SEYMOUR
NORTH VERNON
MADISON
CARROLLTON
GHENT
LATONIA
WASHINGTON
MITCHELL
CHARLESTOWN
INDIANA AAP
JEFFERSONVILLE
NEW ALBANY
LOUISVILLE
WORTHVILLE
SHELBYVILLE
FRANKFORT
GEORGETOWN
LEXINGTON
LAWRENCEBURG
DANVILLE
BLUE GRASS AD
FT KNOX
BLUFORD
FAIRFIELD
BROWNS
MT CARMEL
PRINCETON
OAKLAND CITY
ALGIERS
DUBOIS
BUCKSKIN
HUNGTINGBURG
LYNNVILLE
BOONVILLE
LINCOLN CITY
BELLE RIVE
POSEYVILLE
EVANSVILLE
AKIN JCT.
FERBER
CARMI
MOUNT VERNON
ELDORADO
DEKOVEN
BLACKFORD
WARRICK
ROCKPORT
OWENSBORO
HENDERSON
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

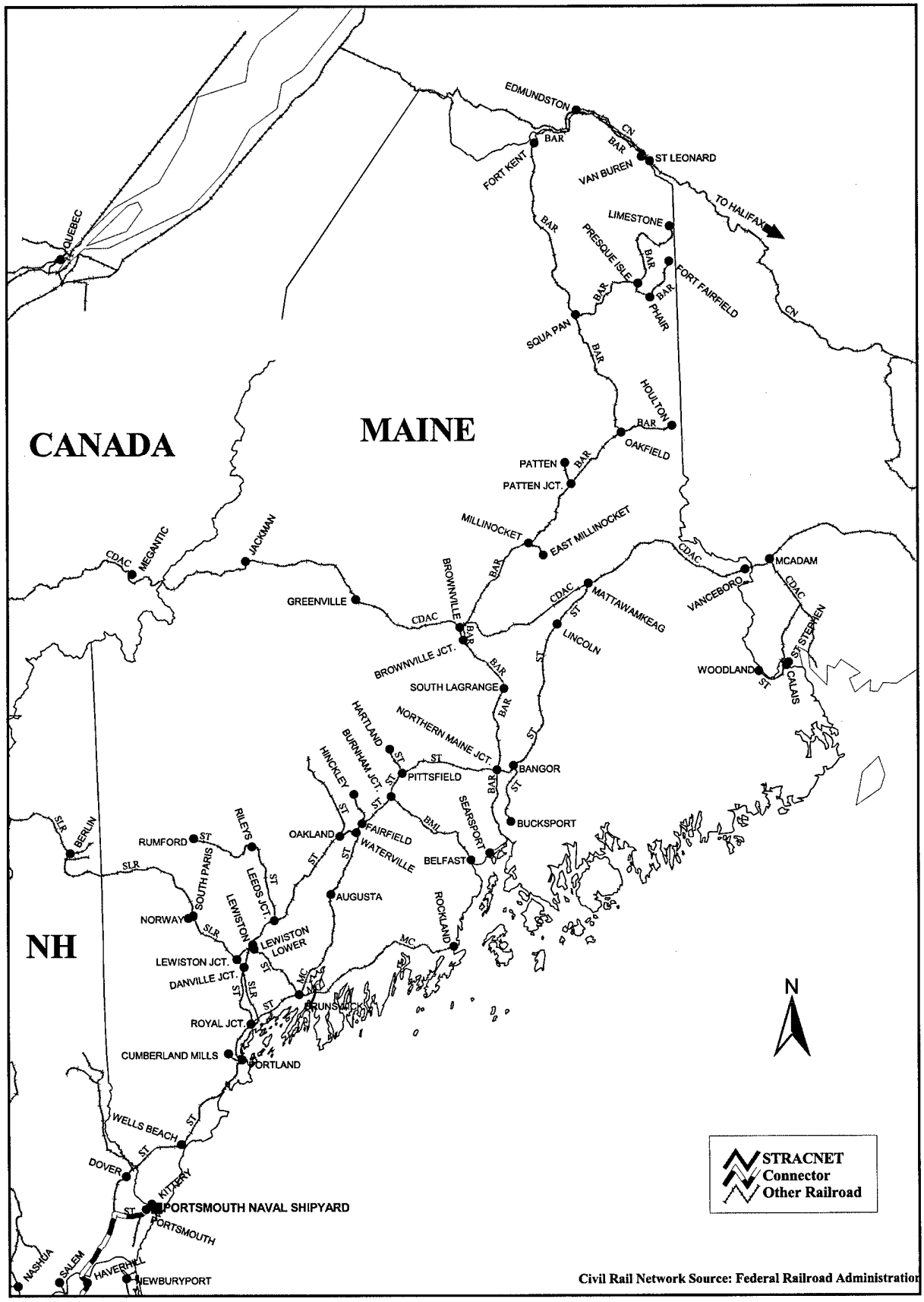

MINNESOTA
SD
NE
IOWA
MISSOURI
WISCONSIN
IL
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration
GARRETSON
SIOUX FALLS
MANLEY
WORTHINGTON
AGATE
JACKSON
WELCOME
FAIRMONT
WELLS
ALBERT LEA
AUSTIN
BRICELYN
GLENVILLE
LYLE
STACYVILLE
ALLENDORF
SIBLEY
ESTHERVILLE
LAKE MILLS
LAKOTA
CANTON
HARTLEY
SHELDON
EMMETSBURG
ALGONA
FOREST CITY
MASON CITY
PLYMOUTH JCT.
CHARLES CITY
NEW HAMPTON
CALMAR
POSTVILLE
PRAIRIE DU CHIEN
MARQUETTE
BERESFORD
HAWARDEN
ROYAL
MALLARD
LAURENS
KANAWHA
GARNER
BELMOND
CHEROKEE
STORM LAKE
ALBERT CITY
ROLFE
GOLDFIELD
CLARION
HAMPTON
MERRILL
ELK POINT
JAMES
SOUTH SIOUX CITY
SIOUX CITY
DAKOTA CITY
SERGEANT BLUFF
EAGLE GROVE
DOWS
ACKLEY
WATERLOO
OELWEIN
DYERSVILLE
DUBUQUE
EAST DUBUQUE
TARA
WEBSTER CITY
CEDAR FALLS
MANCHESTER
PORTAGE
IDA GROVE
SACTON
FARNHAMVILLE
FORT DODGE
IOWA FALLS
STEAMBOAT ROCK
VINTON
SAVANNA AD
SABULA
SAVANNA
ONAWA
DENISON
CARROLL
GRAND JCT.
AMES
NEVADA
MARSHALLTOWN
TAMA
CEDAR RAPIDS
MARION
PICKERING
MIDDLE AMANA
GRINELL
ELDRIDGE
ROCK ISLAND ARSENAL
DAVENPORT
IOWA CITY
HILLS
MUSCATINE
ROCK ISLAND
MANNING
HERNDON
PERRY
BAYARD
YALE
MISSOURI VALLEY
FREMONT
OMAHA
COUNCIL BLUFFS
ATLANTIC
DES MOINES
CARLISLE
INDIANOLA
PELLA
TRACY
EDDYVILLE
ASHLAND
MALVERN
RED OAK
CRESTON
CHARITON
ALBIA
MT PLEASANT
GALESBURG
LINCOLN
NEBRASKA CITY
PACIFIC JCT.
FARRAGUT
SHENANDOAH
ALLERTON
MORAVIA
OTTUMWA
IOWA AAP
BURLINGTON
LOMAX
FORT MADISON
BUSHNELL
SEYMOUR
CENTERVILLE
MOULTON
BLANCHARD
PRINCETON
LUCERNE
MEDILL
KEOKUK
KIRK
HAMILTON
WARSAW
ALEXANDRIA
HURLAND
CORNING
NAPIER

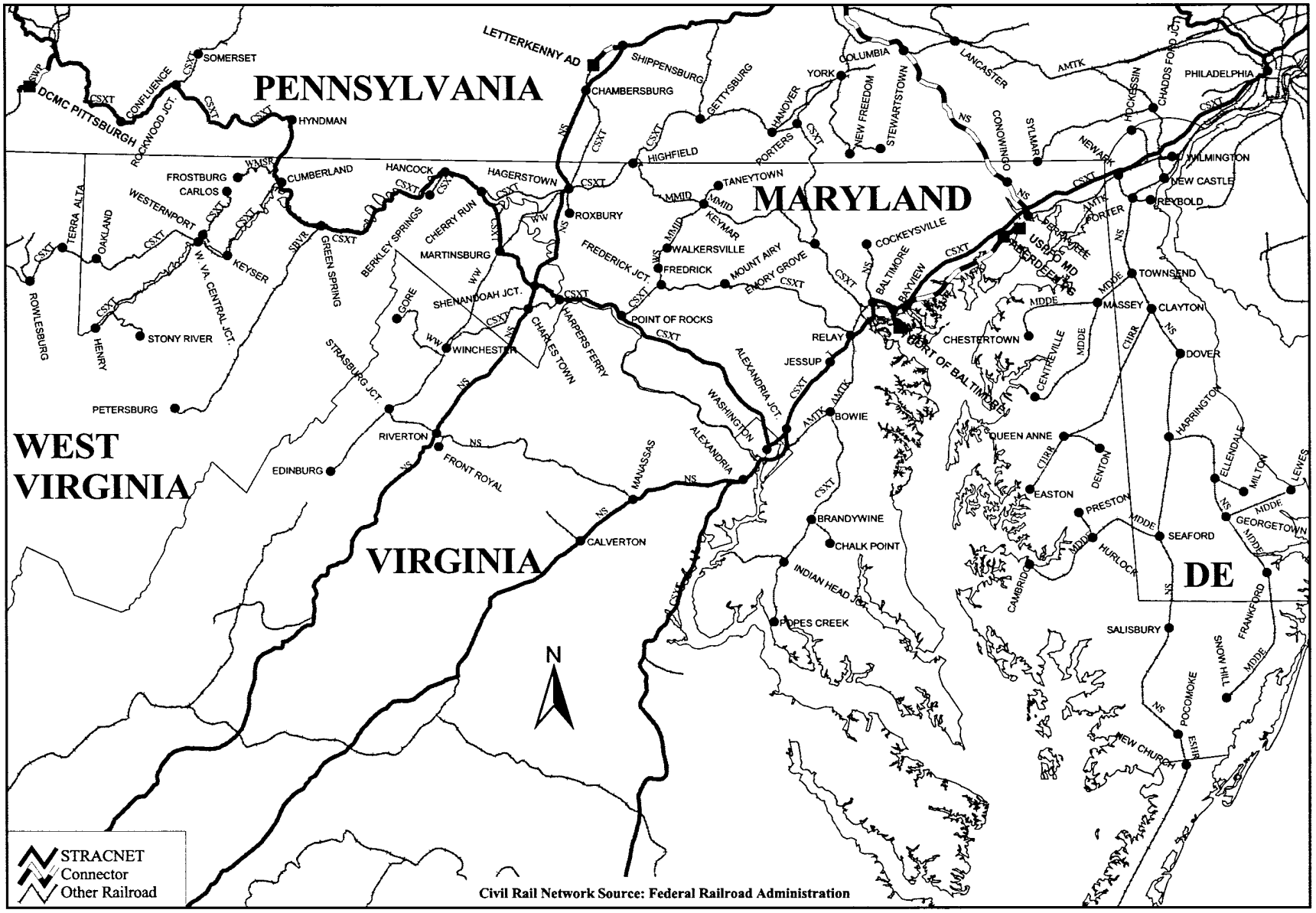

MISSOURI
NEBRASKA
KANSAS
OKLAHOMA
TEXAS
CO
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Adminsitration
N
KANSAS AAP
FT RILEY
KANSAS CITY
INDEPENDENCE
GRANDVIEW
TOPEKA
LAWRENCE
MANHATTAN
JUNCTION CITY
ABILENE
SALINA
EMPORIA
WICHITA
HUTCHINSON
PARSONS
DODGE CITY
GARDEN CITY
LIBERAL
OAKLEY
COLBY
GOODLAND
ELLSWORTH
GREAT BEND
PRATT
WELLINGTON
PONCA CITY
ENID
CHANUTE
COFFEYVILLE
PITTSBURG
FORT SCOTT
SAINT JOSEPH
ATCHISON
PAOLA
OLATHE
UP
BNSF
KCS
SKOL
KYLE
CKRY
KSW
NKCR
CVR

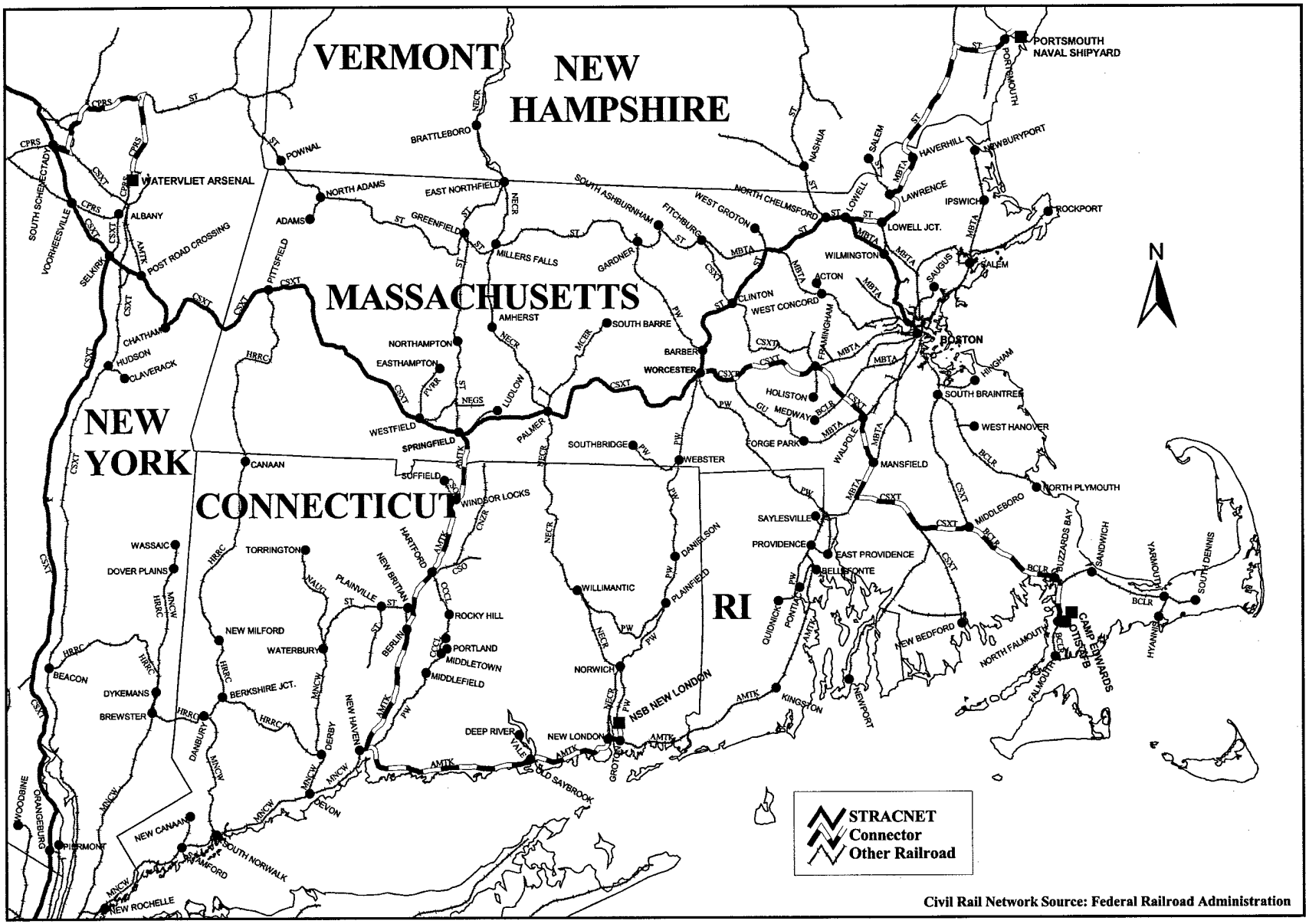


OHIO
WV
VA
INDIANA
KENTUCKY
TENNESSEE
NC
GEORGIA
IL
MO
AR
MS
AL
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

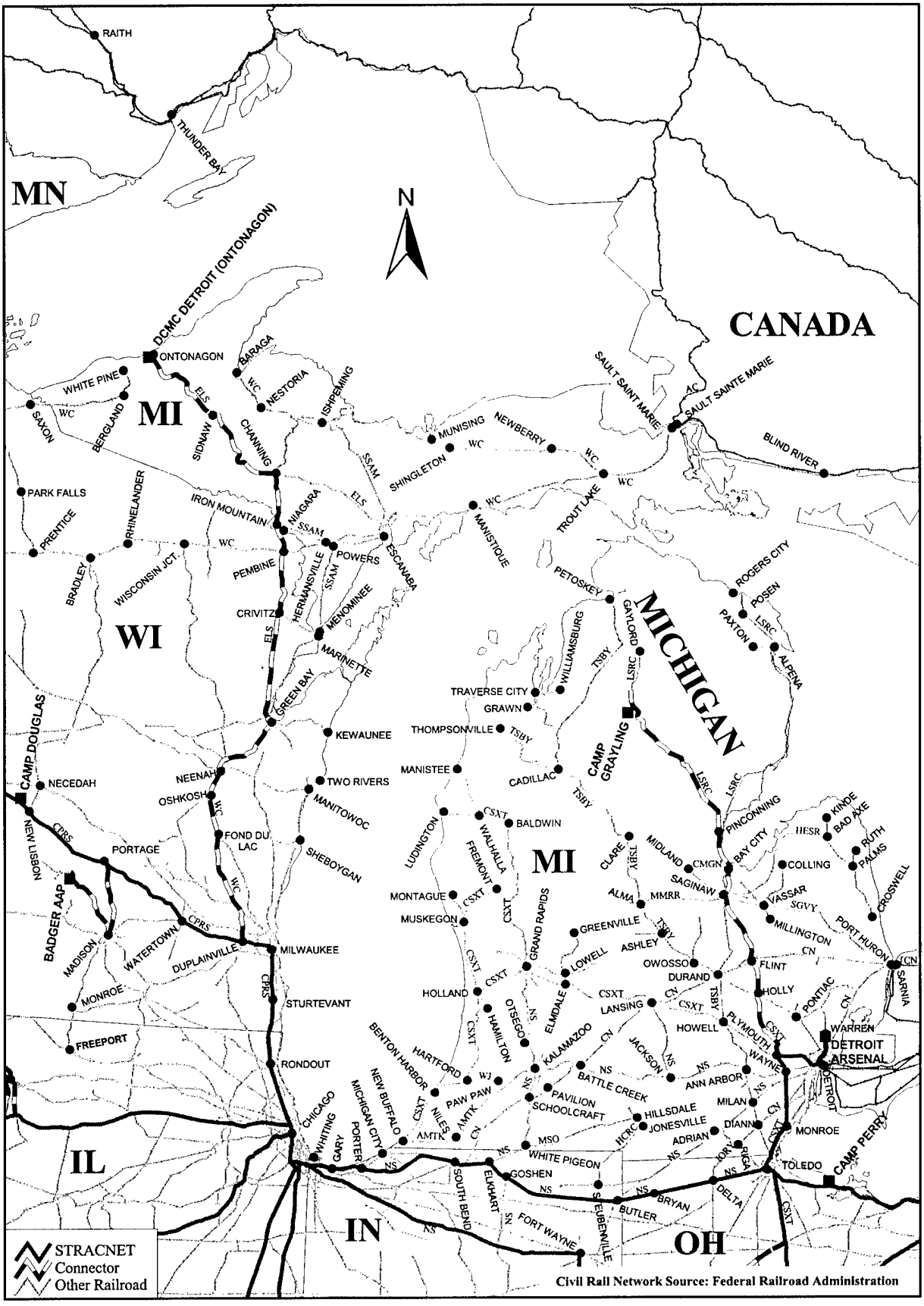

AR
MISSISSIPPI
LOUISIANA
TEXAS
N
STRACNET
Connector
Other Railroad
USPFO CAMP BEAUREGARD
FT POLK
CAMP SHELBY
NGBC GULFPORT
PORT OF BEAUMONT
MERIDIAN
UNION
NEWTON
WAYNESBORO
DURANT
WALNUT GROVE
TAYLORSVILLE
BAY SPRINGS
HATTIESBURG
WIGGINS
GULFPORT
ANSLEY
PICAYUNE
SLIDELL
WOODLAND
PORT MCKEE
SARATOGA
WANILLA
FOXWORTH
LEES CREEK
YAZOO CITY
JACKSON
BROOKHAVEN
HAMMOND
NEW ORLEANS
HOLLANDALE
VICKSBURG
MCCOMB
GLOSTER
RACELAND JCT.
JAY
ROXIE
SLAUGHTER
BATON ROUGE
SCHRIEVER
HAUTTAL
NATCHEZ
ZEE
ANCHORAGE
MCCALL
LETTSWORTH
LIVONIA
ADDIS
COLLINSTON
BASTROP
MONROE
GEORGETOWN
BUNKIE
OPELOUSAS
NEW IBERIA
WEEKS
EL DORADO
ULLIE
WINNFIELD
COLFAX
ALEXANDRIA
OAKDALE
EUNICE
LAFAYETTE
AVERY
KAPLAN
CROWLEY
GRISSLAND
MINDEN
SIBLEY
KINDER
IOWA JCT.
BOSSIER CITY
NATCHITOCHES
FISHER
DAUBE JCT.
DE RIDDER
DE QUINCY
LAKE CHARLES
ORANGE
SHREVEPORT
TENAHA
KIRBYVILLE
JEFFERSON
MARSHALL
Civil Rail Network Source: Federal Railroad Administration

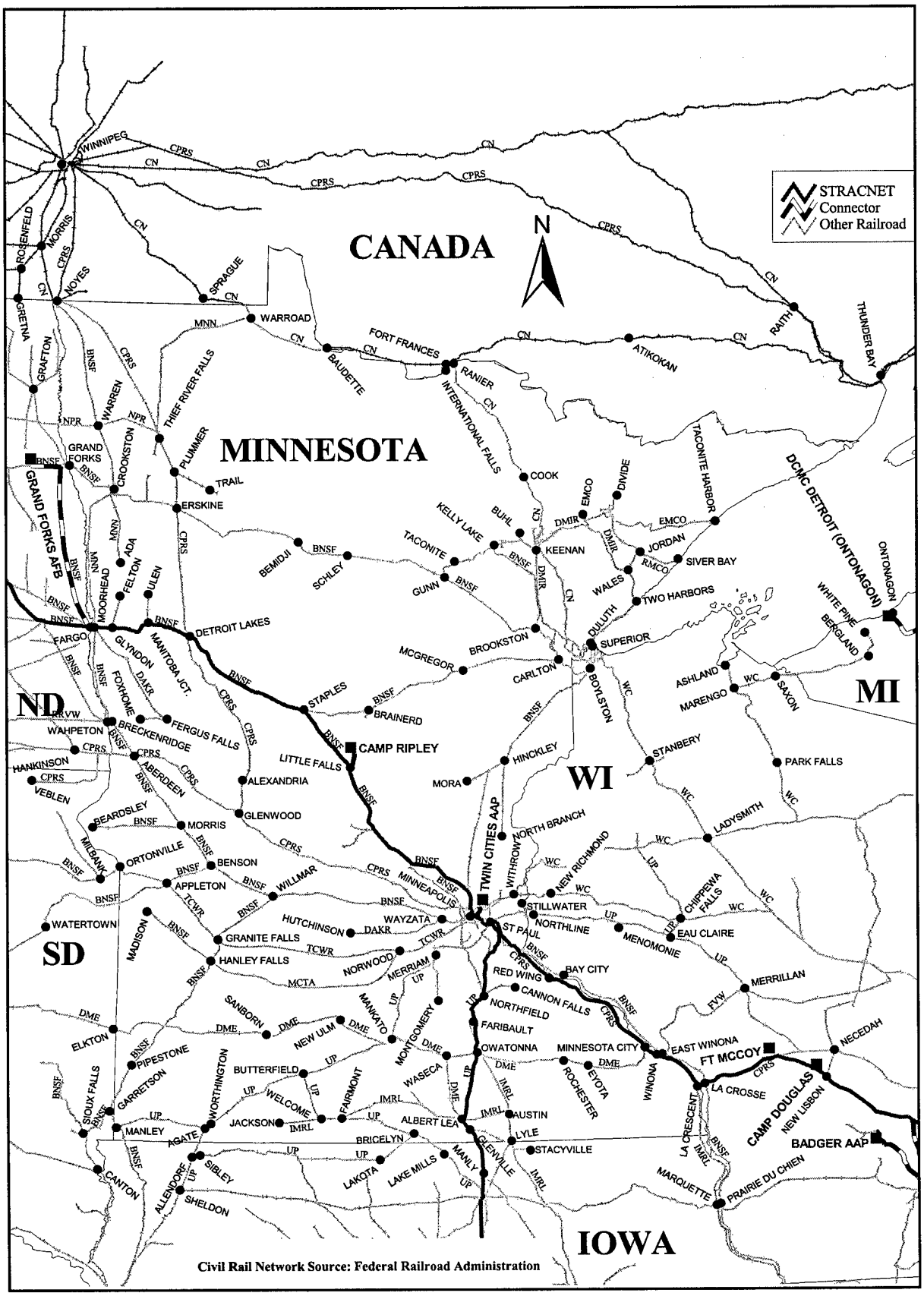

CANADA
MAINE
NH
QUEBEC
EDMUNDSTON
BAR
CN
ST LEONARD
FORT KENT
VAN BUREN
TO HALIFAX
LIMESTONE
PRESQUE ISLE
FORT FAIRFIELD
PHAIR
SQUA PAN
HOULTON
OAKFIELD
PATTEN
PATTEN JCT.
MILLINOCKET
EAST MILLINOCKET
MEGANTIC
CDAC
JACKMAN
GREENVILLE
BROWNVILLE
BROWNVILLE JCT.
SOUTH LAGRANGE
MATTAWAMKEAG
LINCOLN
MCADAM
VANCEBORO
ST STEPHEN
WOODLAND
CALAIS
ST
NORTHERN MAINE JCT.
HARTLAND
BURNHAM JCT.
HINCKLEY
PITTSFIELD
BANGOR
SEARSPORT
BUCKSPORT
BML
BERLIN
SLR
RUMFORD
RILEYS
OAKLAND
FAIRFIELD
WATERVILLE
BELFAST
SOUTH PARIS
LEEDS JCT.
AUGUSTA
ROCKLAND
NORWAY
LEWISTON
LEWISTON LOWER
LEWISTON JCT.
DANVILLE JCT.
MC
BRUNSWICK
ROYAL JCT.
CUMBERLAND MILLS
PORTLAND
WELLS BEACH
DOVER
KITTERY
PORTSMOUTH NAVAL SHIPYARD
PORTSMOUTH
NASHUA
SALEM
HAVERHILL
NEWBURYPORT
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration


PENNSYLVANIA
MARYLAND
WEST VIRGINIA
VIRGINIA
DE
LETTERKENNY AD
SHIPPENSBURG
CHAMBERSBURG
GETTYSBURG
HANOVER
YORK
COLUMBIA
LANCASTER
PHILADELPHIA
NEW FREEDOM
STEWARTSTOWN
CONOWINGO
NEWARK
WILMINGTON
NEW CASTLE
READING
PORTER
HIGHFIELD
PORTERS
TANEYTOWN
ROXBURY
KEYMAR
WALKERSVILLE
FREDERICK
FREDERICK JCT.
MOUNT AIRY
EMORY GROVE
COCKEYSVILLE
BALTIMORE
BAYVIEW
PORT OF BALTIMORE
CHESTERTOWN
RELAY
JESSUP
BOWIE
WASHINGTON
ALEXANDRIA
ALEXANDRIA JCT.
TOWNSEND
MASSEY
CLAYTON
DOVER
CENTREVILLE
QUEEN ANNE
HARRINGTON
ELLENDALE
MILTON
LEWES
EASTON
PRESTON
SEAFORD
GEORGETOWN
HURLOCK
CAMBRIDGE
SALISBURY
FRANKFORD
SNOW HILL
POCOMOKE
NEW CHURCH
DENTON
BRANDYWINE
CHALK POINT
INDIAN HEAD JCT.
POPES CREEK
CALVERTON
MANASSAS
FRONT ROYAL
RIVERTON
EDINBURG
STRASBURG JCT.
WINCHESTER
CHARLES TOWN
HARPERS FERRY
SHENANDOAH JCT.
POINT OF ROCKS
MARTINSBURG
CHERRY RUN
BERKLEY SPRINGS
GREEN SPRING
GORE
HAGERSTOWN
HANCOCK
CUMBERLAND
FROSTBURG
CARLOS
WESTERNPORT
KEYSER
W. VA. CENTRAL JCT.
OAKLAND
TERRA ALTA
ROWLESBURG
HENRY
STONY RIVER
PETERSBURG
HYNDMAN
SOMERSET
CONFLUENCE
ROCKWOOD JCT.
DCMC PITTSBURGH
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

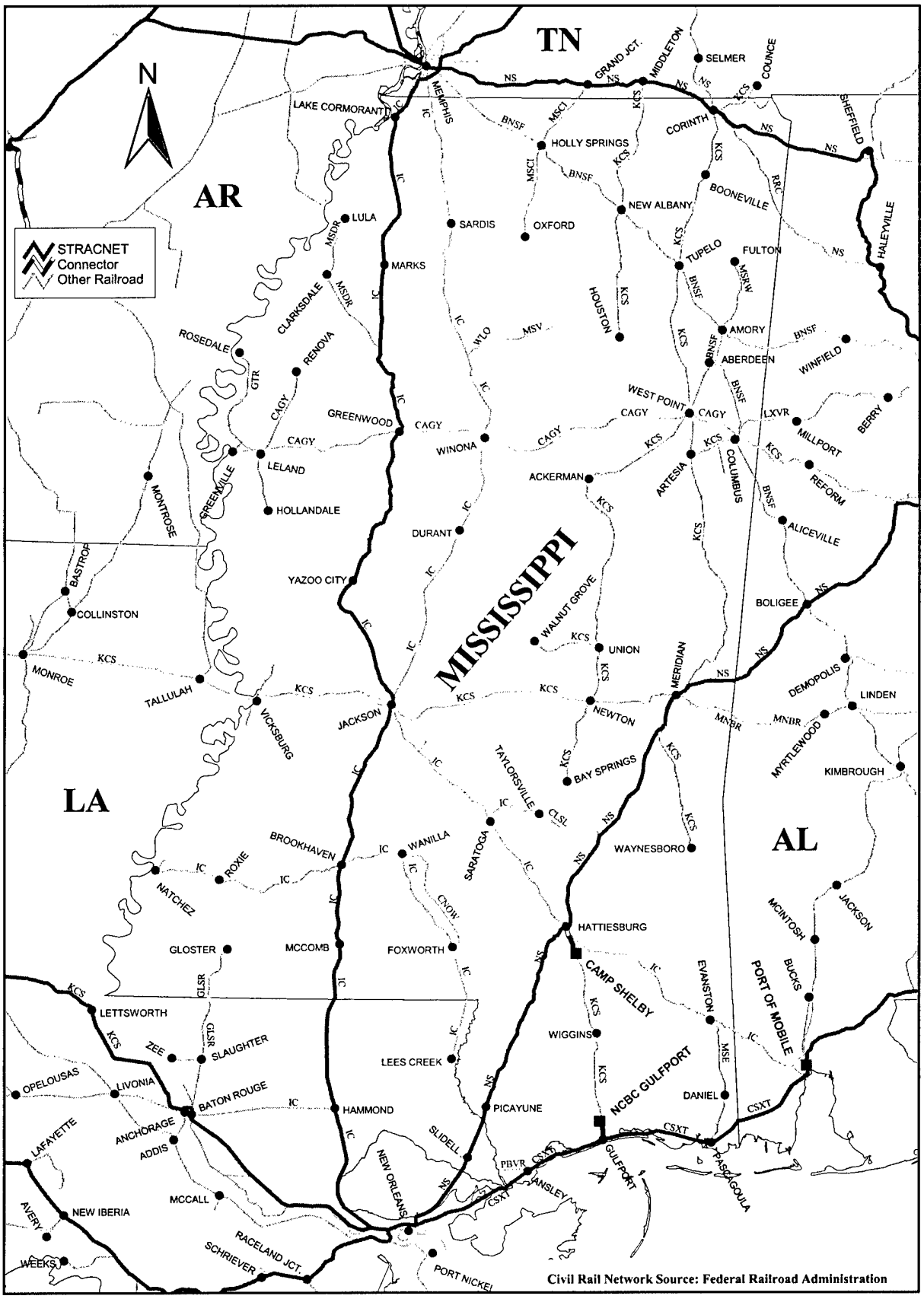


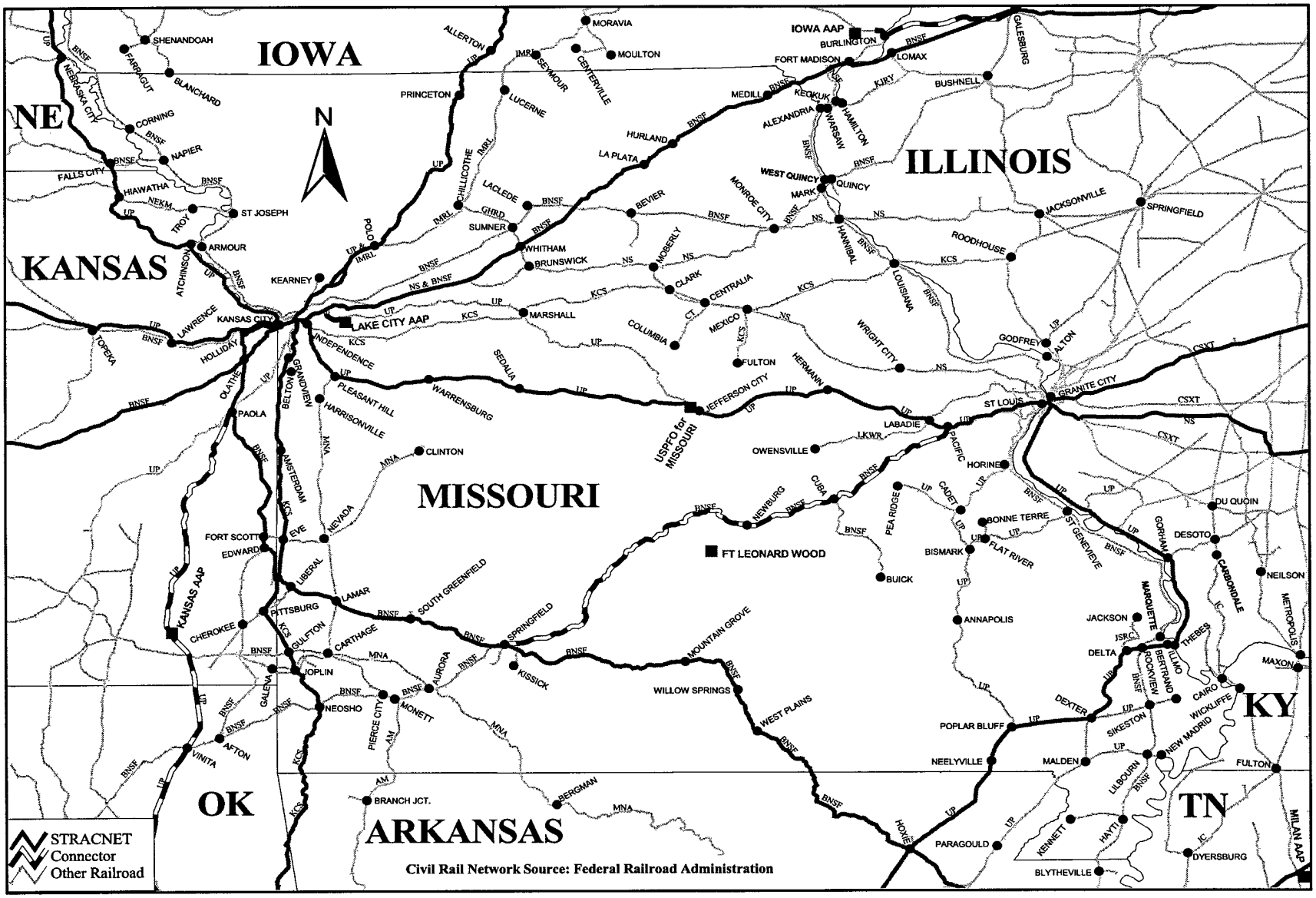
Civil Rail Network Source: Federal Railroad Administration


MN
MI
WI
IL
IN
OH
CANADA
MICHIGAN
N
RAITH
THUNDER BAY
DCMC DETROIT (ONTONAGON)
ONTONAGON
WHITE PINE
BERGLAND
SAXON
BARAGA
NESTORIA
ISHPEMING
MUNISING
NEWBERRY
SIDNAW
CHANNING
SHINGLETON
SAULT SAINTE MARIE
SAULT SAINT MARIE
BLIND RIVER
PARK FALLS
PRENTICE
RHINELANDER
IRON MOUNTAIN
NIAGARA
WISCONSIN JCT
PEMBINE
HERMANSVILLE
MENOMINEE
POWERS
ESCANABA
MANISTIQUE
TROUT LAKE
PETOSKEY
ROGERS CITY
POSEN
PAXTON
ALPENA
BRADLEY
CRIVITZ
MARINETTE
GREEN BAY
WILLIAMSBURG
GAYLORD
TRAVERSE CITY
GRAWN
THOMPSONVILLE
KEWAUNEE
MANISTEE
CADILLAC
CAMP GRAYLING
CAMP DOUGLAS
NECEDAH
NEENAH
OSHKOSH
TWO RIVERS
MANITOWOC
FOND DU LAC
SHEBOYGAN
PORTAGE
NEW LISBON
BADGER AAP
MADISON
WATERTOWN
DUPLAINVILLE
MILWAUKEE
MONROE
STURTEVANT
FREEPORT
RONDOUT
LUDINGTON
WALHALLA
FREMONT
BALDWIN
CLARE
MIDLAND
CMGN
BAY CITY
PINCONNING
KINDE
BAD AXE
RUTH
PALMS
CROSWELL
COLLING
SAGINAW
MMRR
ALMA
VASSAR
SGVY
MILLINGTON
PORT HURON
SARNIA
MONTAGUE
MUSKEGON
GRAND RAPIDS
GREENVILLE
ASHLEY
OWOSSO
FLINT
DURAND
HOLLY
PONTIAC
LOWELL
HOLLAND
OTSEGO
HAMILTON
ELMDALE
LANSING
HOWELL
PLYMOUTH
WARREN
DETROIT ARSENAL
DETROIT
WAYNE
ANN ARBOR
JACKSON
KALAMAZOO
BATTLE CREEK
PAVILION
SCHOOLCRAFT
HARTFORD
BENTON HARBOR
NEW BUFFALO
PAW PAW
NILES
MILAN
HILLSDALE
JONESVILLE
DIANN
ADRIAN
MONROE
CHICAGO
WHITING
GARY
PORTER
MICHIGAN CITY
MSO
WHITE PIGEON
GOSHEN
ELKHART
SOUTH BEND
FORT WAYNE
BRYAN
BUTLER
DELTA
TOLEDO
CAMP PERRY
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

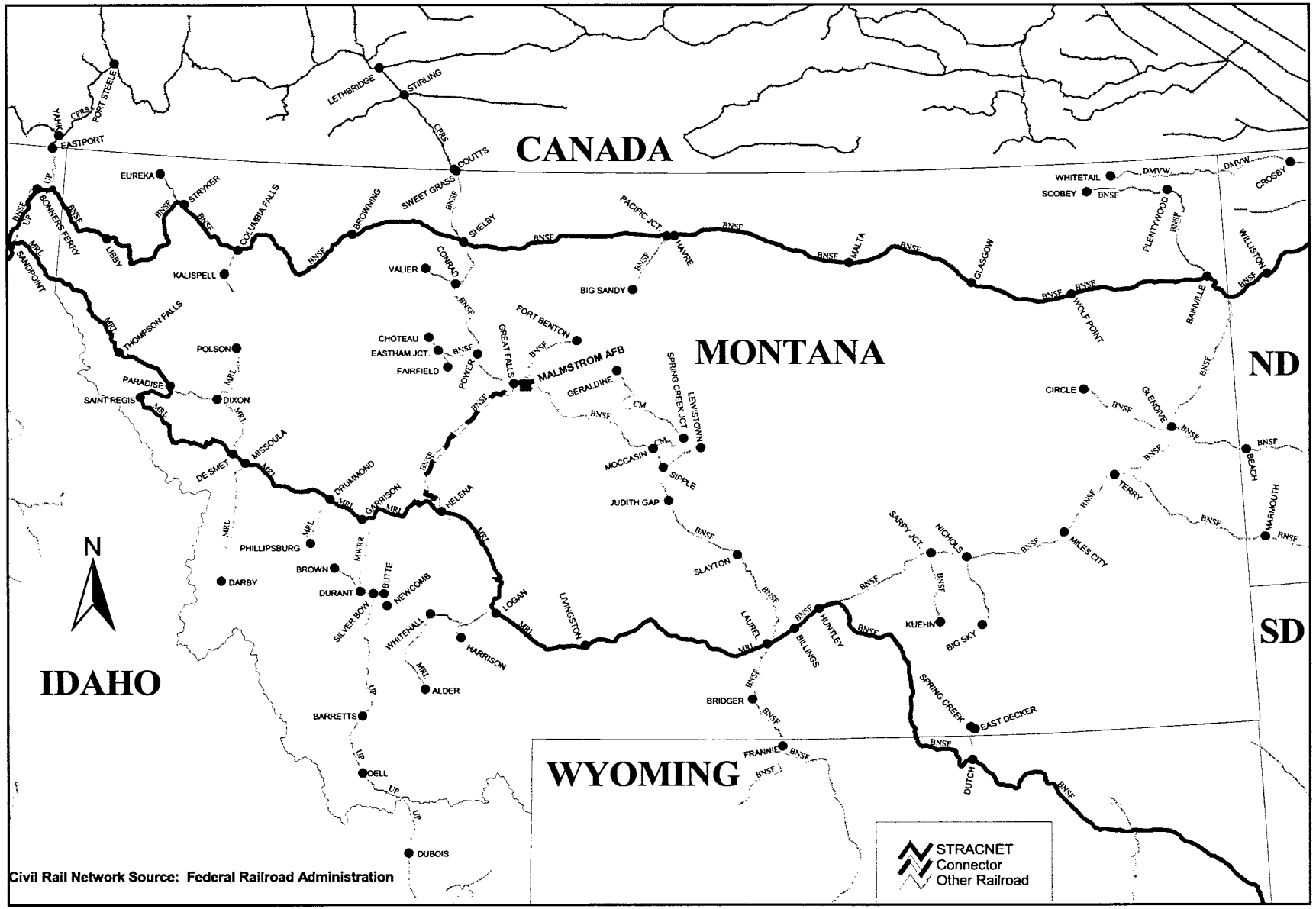


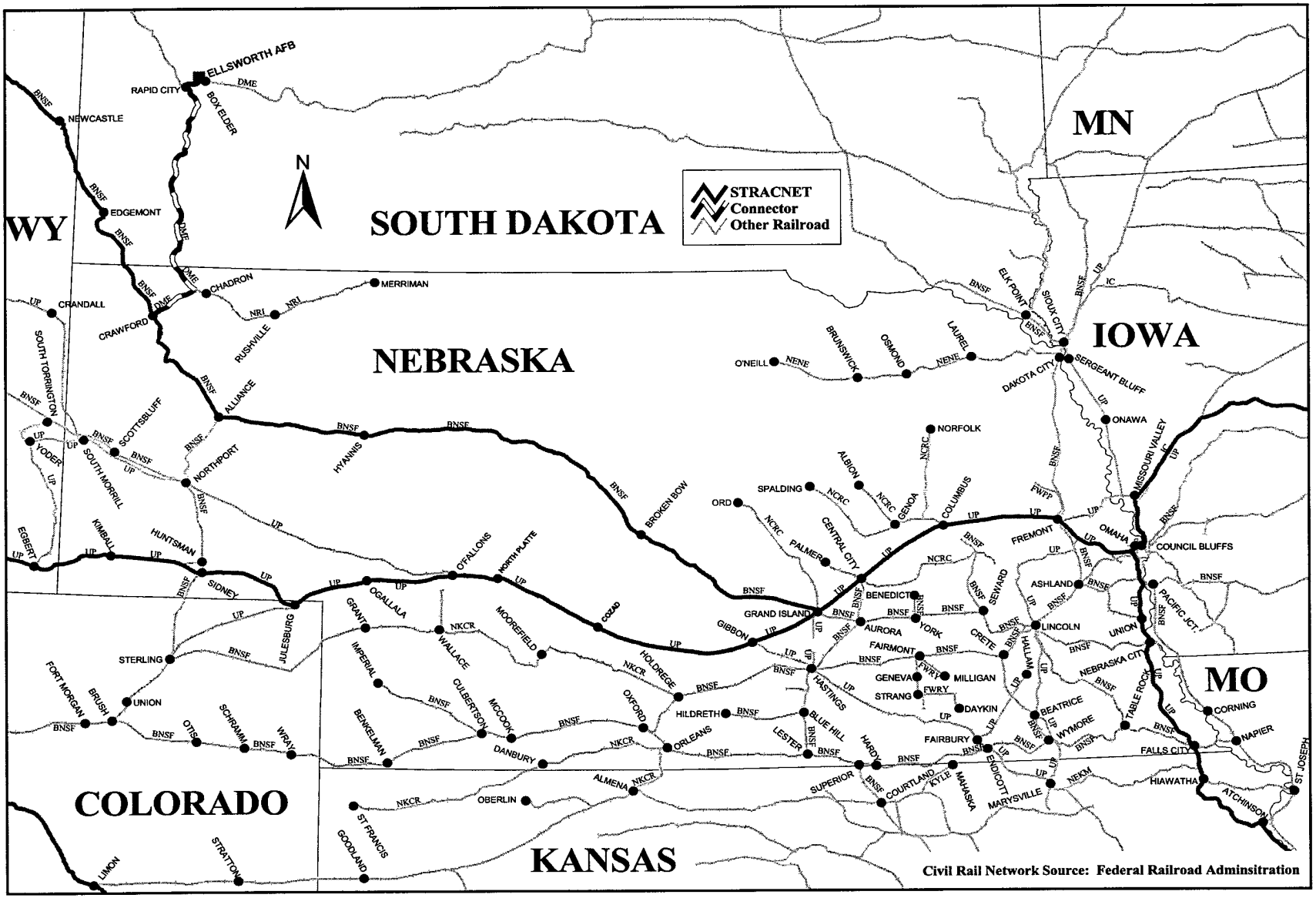
Civil Rail Network Source: Federal Railroad Administration

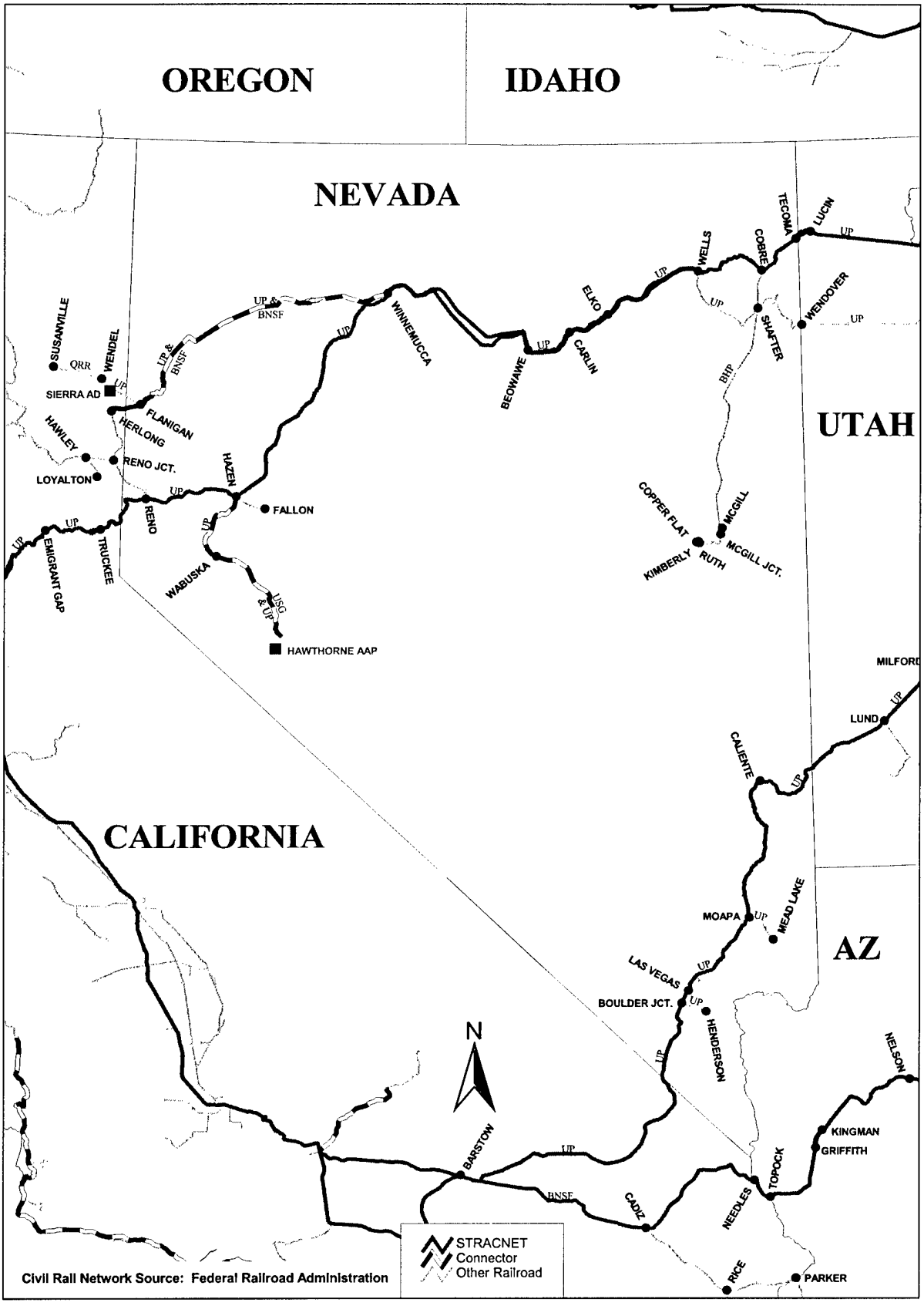

N
STRACNET
Connector
Other Railroad
TN
AR
LA
MS
AL
MISSISSIPPI
LAKE CORMORANT
MEMPHIS
GRAND JCT.
MIDDLETON
SELMER
COUNCE
SHEFFIELD
HALEYVILLE
CORINTH
HOLLY SPRINGS
SARDIS
OXFORD
NEW ALBANY
BOONEVILLE
TUPELO
FULTON
LULA
MARKS
CLARKSDALE
ROSEDALE
RENOVA
GREENWOOD
WINONA
HOUSTON
AMORY
ABERDEEN
WINFIELD
WEST POINT
LXVR
BERRY
MILLPORT
REFORM
ALICEVILLE
COLUMBUS
ARTESIA
ACKERMAN
LELAND
GREENVILLE
HOLLANDALE
MONTROSE
DURANT
YAZOO CITY
BASTROP
COLLINSTON
MONROE
TALLULAH
VICKSBURG
JACKSON
WALNUT GROVE
UNION
NEWTON
BOLIGEE
MERIDIAN
DEMOPOLIS
LINDEN
MYRTLEWOOD
KIMBROUGH
BAY SPRINGS
TAYLORSVILLE
CLSL
WAYNESBORO
BROOKHAVEN
WANILLA
ROXIE
NATCHEZ
SARATOGA
CNOW
HATTIESBURG
MCINTOSH
JACKSON
GLOSTER
MCCOMB
FOXWORTH
CAMP SHELBY
EVANSTON
PORT OF MOBILE
BUCKS
LETTSWORTH
ZEE
SLAUGHTER
GLSR
WIGGINS
LEES CREEK
OPELOUSAS
LIVONIA
BATON ROUGE
HAMMOND
PICAYUNE
NCBC GULFPORT
DANIEL
ANCHORAGE
ADDIS
LAFAYETTE
SLIDELL
PBVR
GULFPORT
PASCAGOULA
NEW ORLEANS
MCCALL
NEW IBERIA
AVERY
WEEKS
RACELAND JCT.
SCHRIEVER
PORT NICKEL
Civil Rail Network Source: Federal Railroad Administration



Civil Rail Network Source: Federal Railroad Administration


CANADA
MONTANA
IDAHO
WYOMING
ND
SD
N
EASTPORT
PORT STEELE
YAHK
CPRS
LETHBRIDGE
STIRLING
COUTTS
EUREKA
STRYKER
BONNERS FERRY
LIBBY
SANDPOINT
KALISPELL
COLUMBIA FALLS
BROWNING
SWEET GRASS
SHELBY
VALIER
CONRAD
BIG SANDY
PACIFIC JCT
HAVRE
MALTA
GLASGOW
WOLF POINT
WHITETAIL
SCOBEY
DMVW
CROSBY
PLENTYWOOD
WILLISTON
BAINVILLE
THOMPSON FALLS
POLSON
PARADISE
SAINT REGIS
DIXON
MISSOULA
DE SMET
DRUMMOND
GARRISON
HELENA
CHOTEAU
EASTHAM JCT.
FAIRFIELD
POWER
GREAT FALLS
FORT BENTON
MALMSTROM AFB
GERALDINE
SPRING CREEK JCT.
LEWISTOWN
MOCCASIN
SIPPLE
JUDITH GAP
SLAYTON
CIRCLE
GLENDIVE
BEACH
MARMOUTH
TERRY
SARPY JCT.
NICHOLS
MILES CITY
KUEHN
BIG SKY
LAUREL
BILLINGS
HUNTLEY
BRIDGER
FRANNIE
SPRING CREEK
EAST DECKER
DUTCH
LOGAN
LIVINGSTON
HARRISON
ALDER
WHITEHALL
SILVER BOW
BUTTE
NEWCOMB
DURANT
BROWN
DARBY
PHILLIPSBURG
MWRR
BARRETTS
DELL
DUBOIS
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration


STRACNET
Connector
Other Railroad
N
SOUTH DAKOTA
NEBRASKA
COLORADO
KANSAS
WY
MN
IOWA
MO
ELLSWORTH AFB
RAPID CITY
NEWCASTLE
EDGEMONT
CHADRON
MERRIMAN
CRANDALL
CRAWFORD
RUSHVILLE
ALLIANCE
HYANNIS
BROKEN BOW
O'NEILL
BRUNSWICK
OSMOND
LAUREL
ELK POINT
SIOUX CITY
DAKOTA CITY
SERGEANT BLUFF
ONAWA
NORFOLK
SPALDING
ORD
ALBION
GENOA
COLUMBUS
PALMER
CENTRAL CITY
FREMONT
OMAHA
COUNCIL BLUFFS
ASHLAND
SEWARD
BENEDICT
GRAND ISLAND
AURORA
YORK
CRETE
LINCOLN
FAIRMONT
GENEVA
MILLIGAN
STRANG
DAYKIN
BEATRICE
WYMORE
FAIRBURY
NEBRASKA CITY
TABLE ROCK
CORNING
NAPIER
FALLS CITY
HIAWATHA
ATCHINSON
ST JOSEPH
UNION
PACIFIC-JCT
MISSOURI VALLEY
SOUTH TORRINGTON
SCOTTSBLUFF
YODER
SOUTH MORRILL
NORTHPORT
EGBERT
KIMBALL
HUNTSMAN
SIDNEY
OGALLALA
O'FALLONS
NORTH PLATTE
GIBBON
GRANT
IMPERIAL
WALLACE
MOOREFIELD
HOLDREGE
HILDRETH
OXFORD
MCCOOK
CULBERTSON
BENKELMAN
DANBURY
ORLEANS
BLUE HILL
HASTINGS
LESTER
HARDY
SUPERIOR
COURTLAND
KYLE
MAHASKA
ENDICOTT
MARYSVILLE
NEKO
STERLING
JULESBURG
FORT MORGAN
BRUSH
UNION
OTIS
SCHRAMM
WRAY
OBERLIN
ST FRANCIS
GOODLAND
ALMENA
LIMON
STRATTON
Civil Rail Network Source: Federal Railroad Adminsitration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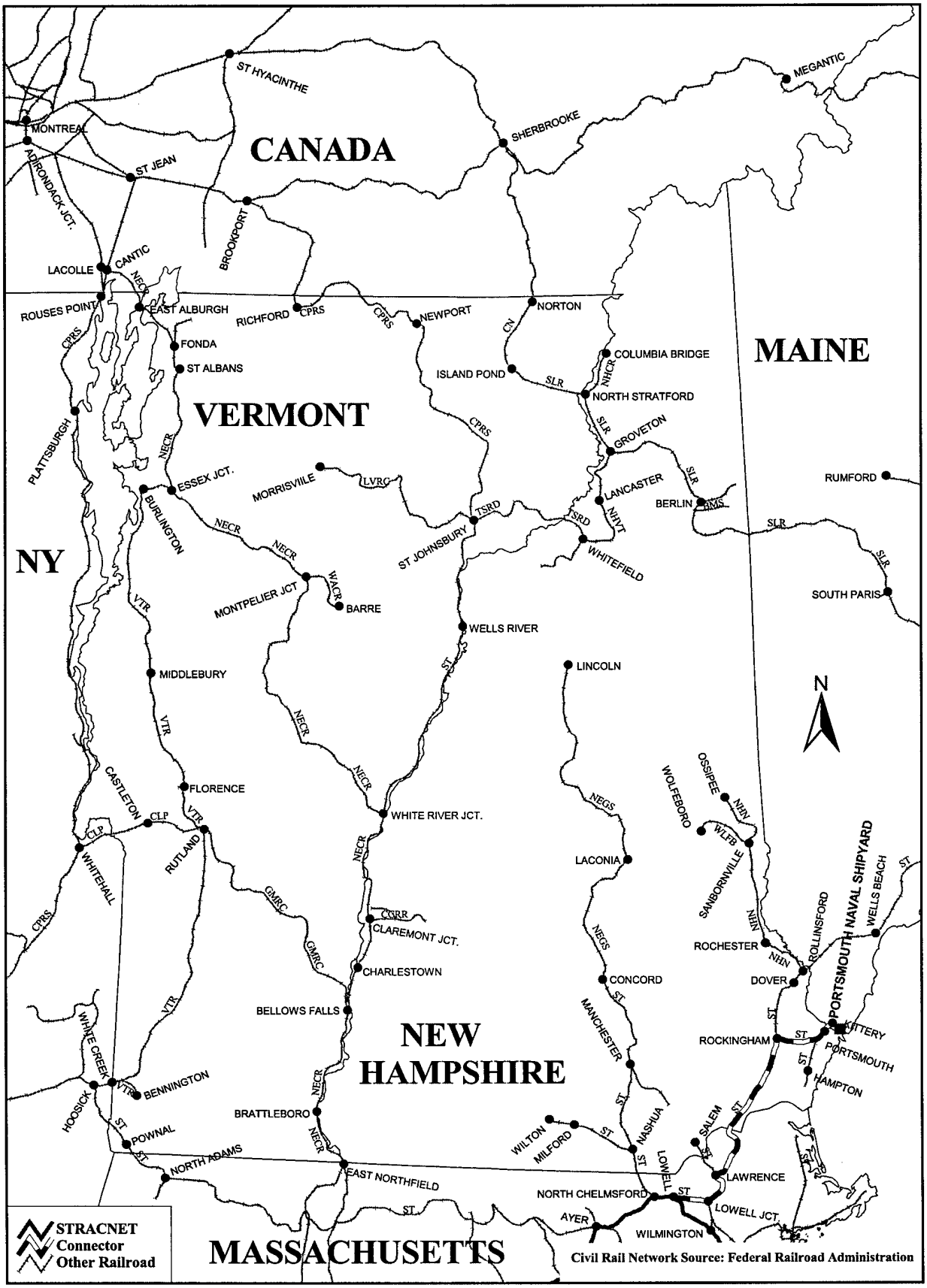
IDAHO
NEVADA
UTAH
CALIFORNIA
AZ
SUSANVILLE
QRR
WENDEL
SIERRA AD
FLANIGAN
HERLONG
HAWLEY
LOYALTON
RENO JCT.
RENO
EMIGRANT GAP
TRUCKEE
HAZEN
FALLON
WABUSKA
USG & UP
HAWTHORNE AAP
WINNEMUCCA
BEOWAWE
CARLIN
ELKO
WELLS
TECOMA
LUCIN
COBRE
WENDOVER
SHAFTER
BHP
COPPER FLAT
KIMBERLY
RUTH
MCGILL
MCGILL JCT.
MILFORD
LUND
CALIENTE
MOAPA
MEAD LAKE
LAS VEGAS
BOULDER JCT.
HENDERSON
NELSON
KINGMAN
GRIFFITH
TOPOCK
NEEDLES
CADIZ
BARSTOW
RICE
PARKER
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration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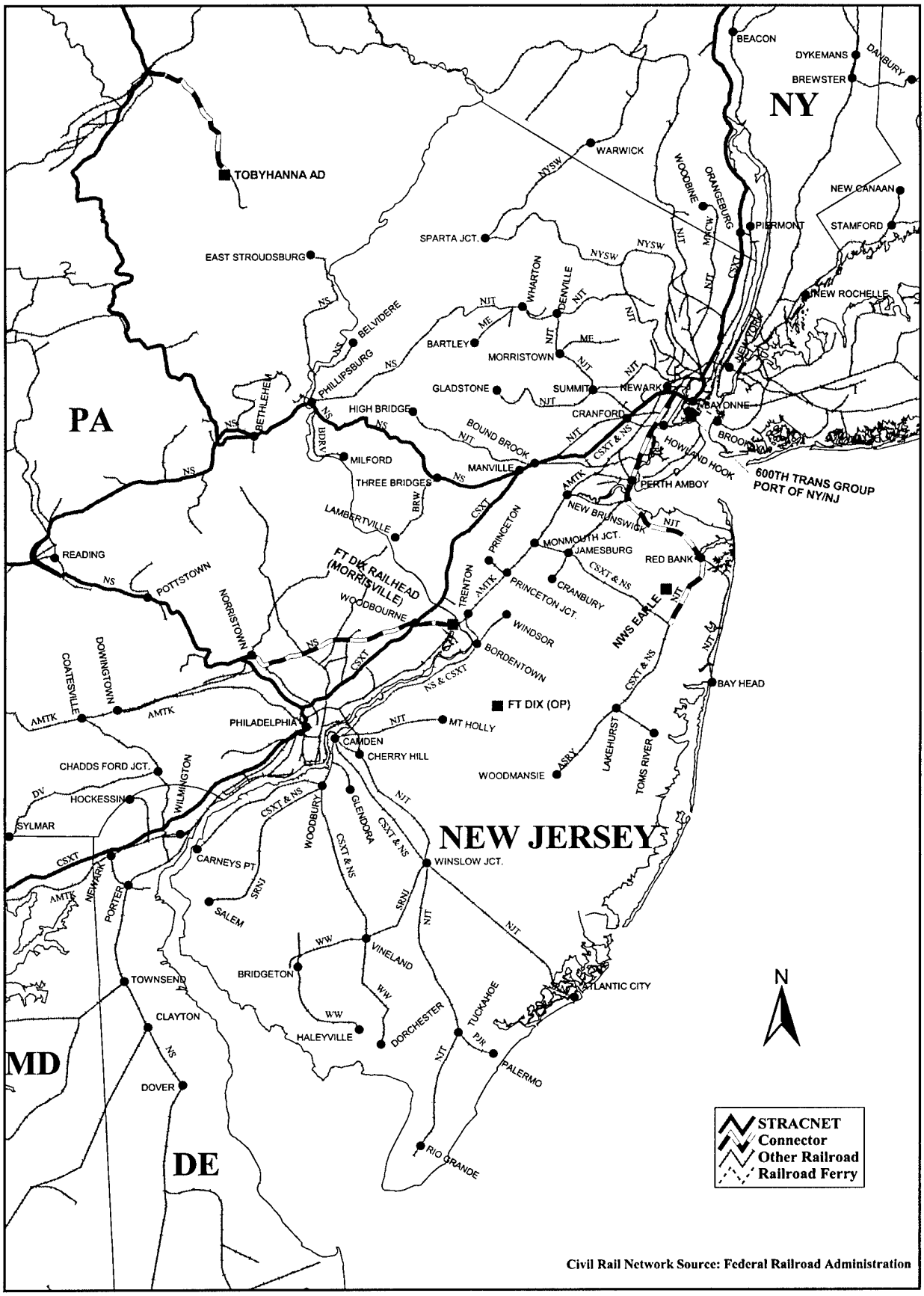
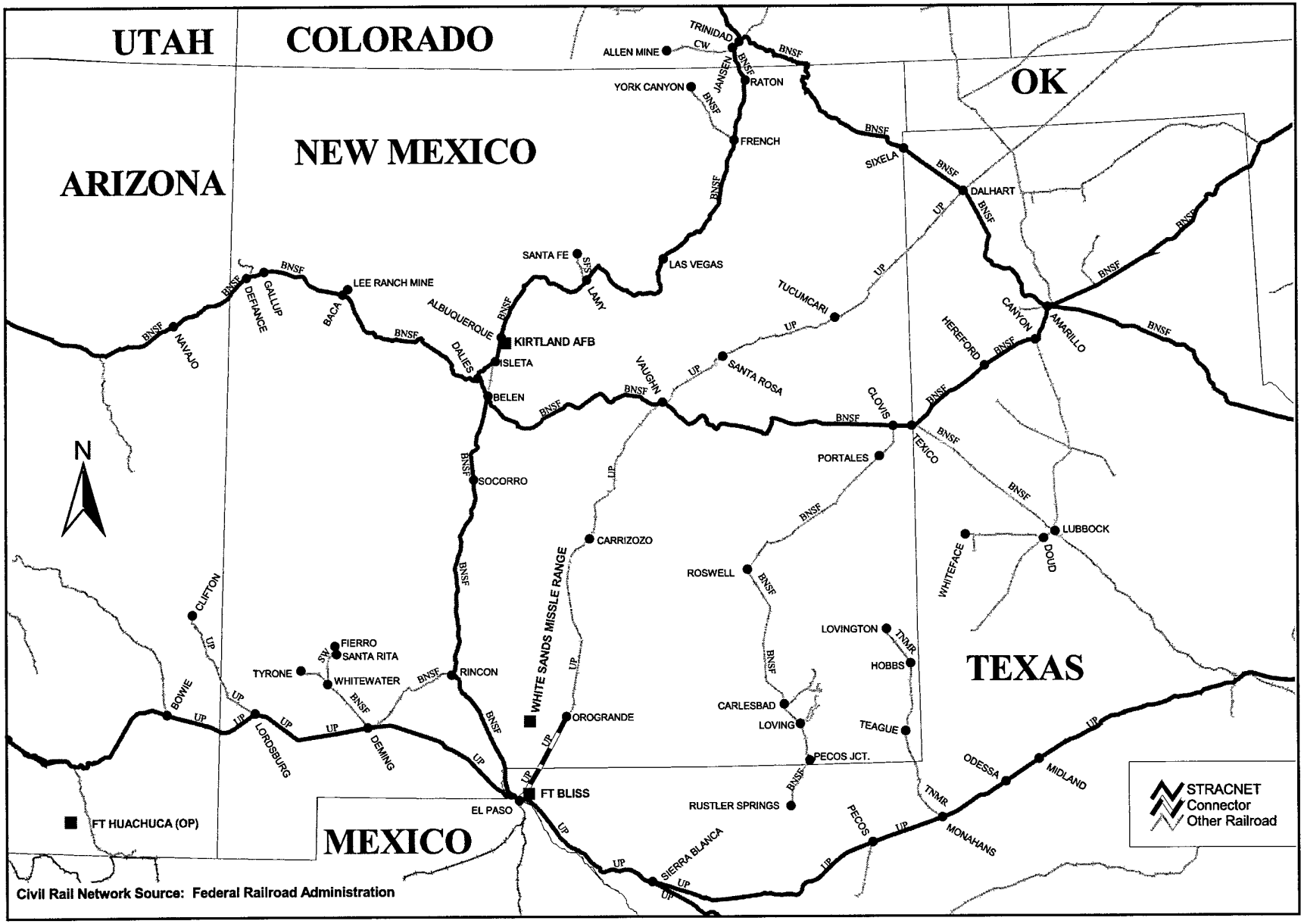
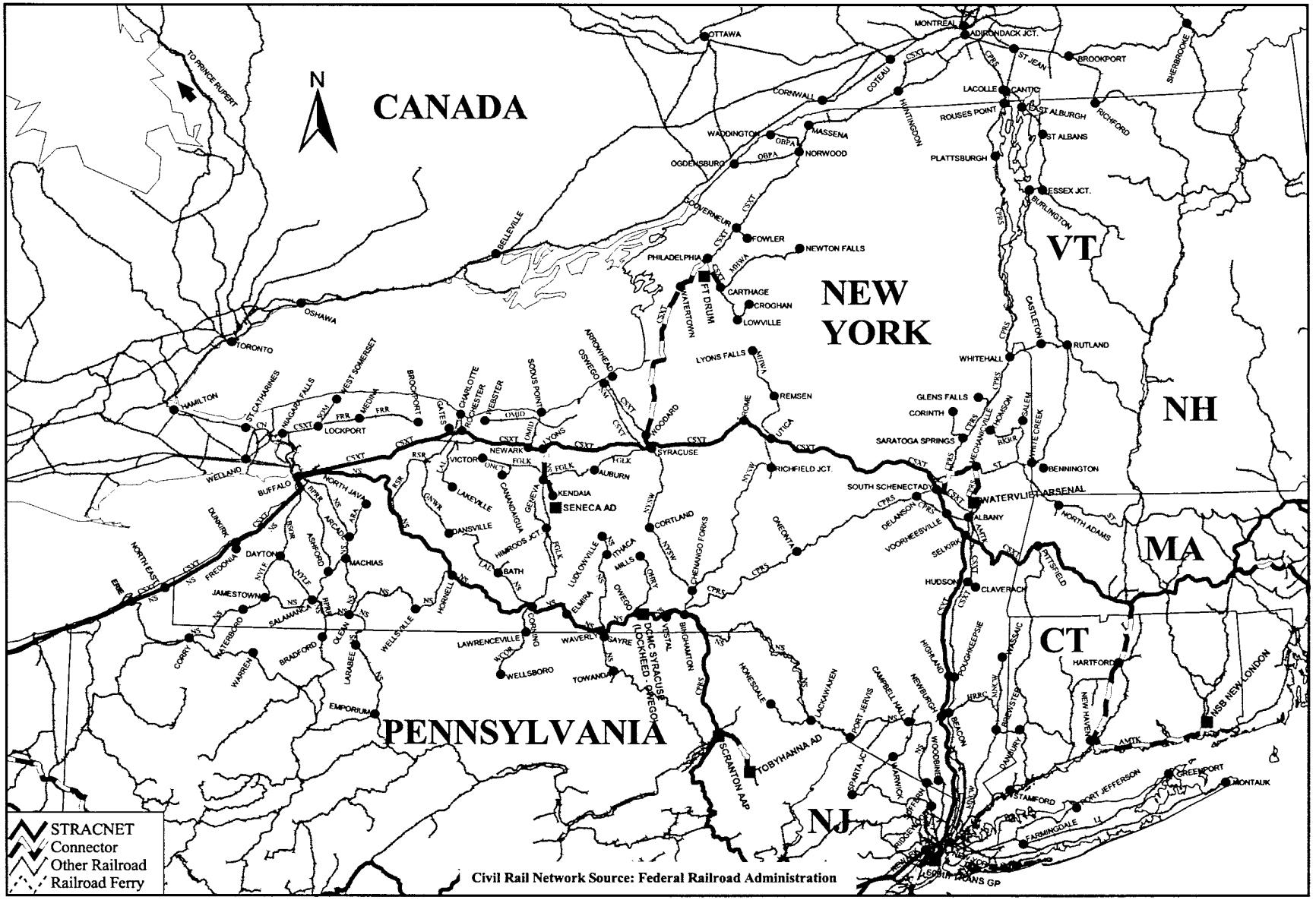
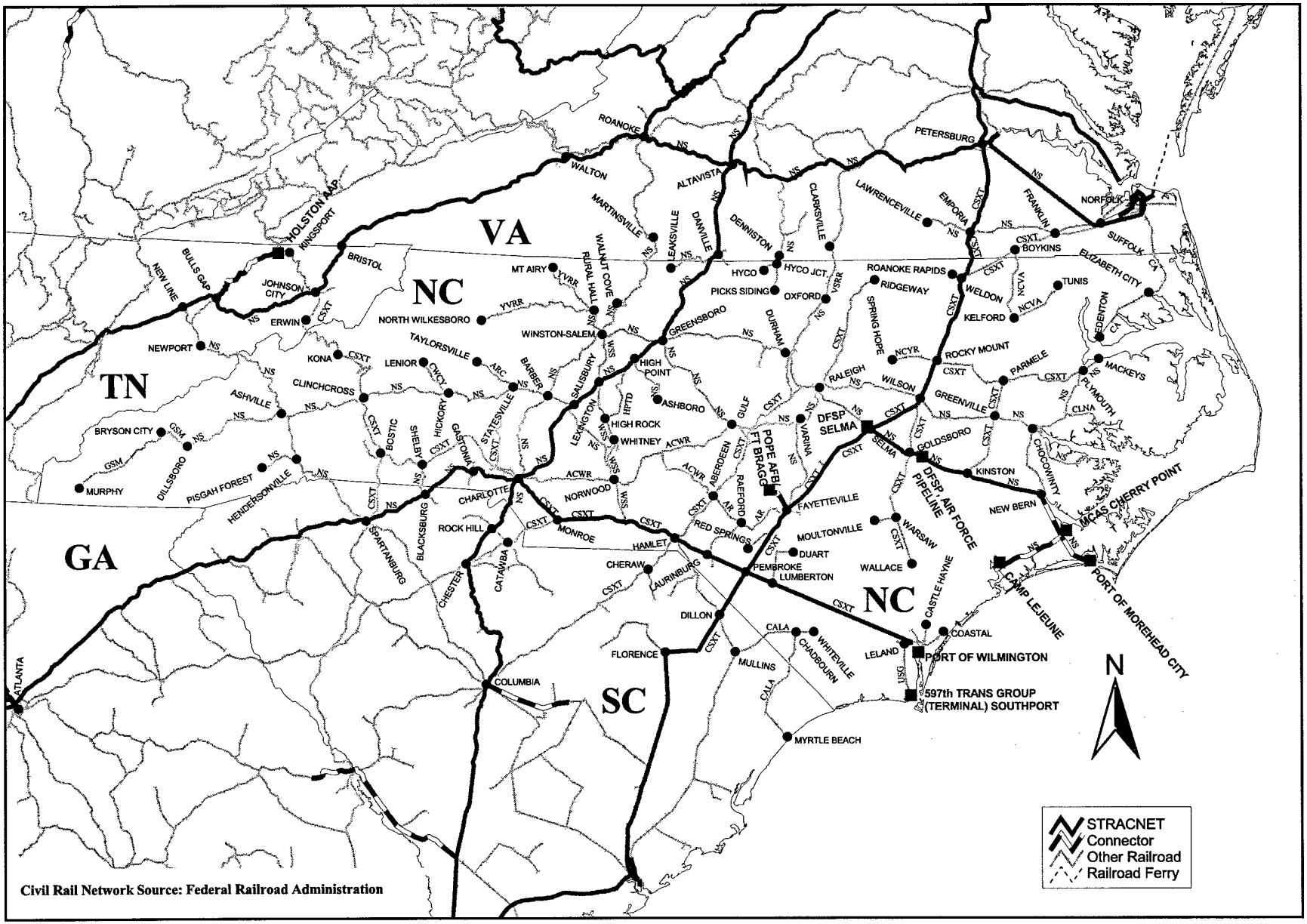
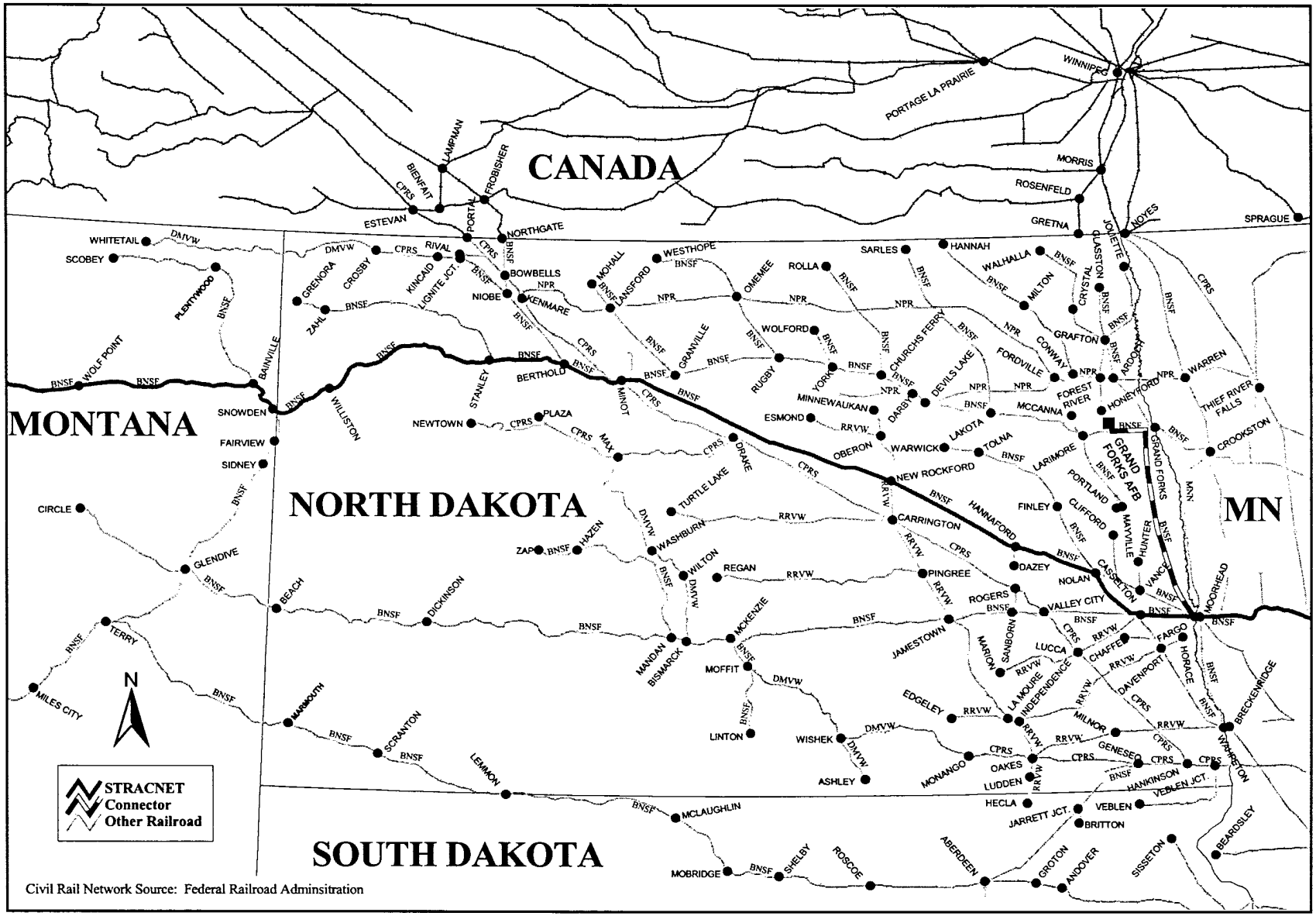
VERMONT
MAINE
NEW HAMPSHIRE
MASSACHUSETTS
NY
MONTREAL
ST HYACINTHE
MEGANTIC
SHERBROOKE
ADIRONDACK JCT.
ST JEAN
BROOKPORT
LACOLLE
CANTIC
NECR
ROUSES POINT
EAST ALBURGH
RICHFORD
CPRS
NEWPORT
NORTON
CN
FONDA
ST ALBANS
ISLAND POND
NHCR
COLUMBIA BRIDGE
SLR
NORTH STRATFORD
GROVETON
PLATTSBURGH
ESSEX JCT.
MORRISVILLE
LVRG
LANCASTER
BERLIN
GMS
RUMFORD
BURLINGTON
TSRD
NHVT
ST JOHNSBURY
WHITEFIELD
SOUTH PARIS
MONTPELIER JCT
WACR
BARRE
WELLS RIVER
VTR
MIDDLEBURY
LINCOLN
N
FLORENCE
CASTLETON
CLP
WHITEHALL
RUTLAND
WHITE RIVER JCT.
NEGS
LACONIA
WOLFEBORO
OSSIPEE
NHRY
WLFB
SANBORNVILLE
PORTSMOUTH NAVAL SHIPYARD
WELLS BEACH
ST
CLAREMONT JCT.
CSRR
GMRC
CHARLESTOWN
ROCHESTER
NHN
ROLLINSFORD
CONCORD
DOVER
BELLOWS FALLS
MANCHESTER
KITTERY
ROCKINGHAM
PORTSMOUTH
HAMPTON
WHITE CREEK
BENNINGTON
HOOSICK
BRATTLEBORO
POWNAL
NORTH ADAMS
EAST NORTHFIELD
WILTON
MILFORD
NASHUA
SALEM
LOWELL
LAWRENCE
NORTH CHELMSFORD
LOWELL JCT.
AYER
WILMINGTON
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration


NY
PA
MD
DE
NEW JERSEY
TOBYHANNA AD
BEACON
DYKEMANS
BREWSTER
DANBURY
WARWICK
NEW CANAAN
STAMFORD
PIERMONT
SPARTA JCT.
EAST STROUDSBURG
NEW ROCHELLE
BELVIDERE
PHILLIPSBURG
BETHLEHEM
BARTLEY
MORRISTOWN
GLADSTONE
SUMMIT
NEWARK
BAYONNE
HIGH BRIDGE
CRANFORD
BOUND BROOK
HOWLAND HOOK
600TH TRANS GROUP PORT OF NY/NJ
MILFORD
MANVILLE
THREE BRIDGES
PERTH AMBOY
NEW BRUNSWICK
LAMBERTVILLE
MONMOUTH JCT.
JAMESBURG
RED BANK
READING
POTTSTOWN
NORRISTOWN
FT DIX RAILHEAD (MORRISVILLE)
WOODBOURNE
TRENTON
PRINCETON JCT.
CRANBURY
WINDSOR
BORDENTOWN
NWS EARLE
BAY HEAD
COATESVILLE
DOWNINGTOWN
PHILADELPHIA
FT DIX (OP)
MT HOLLY
CAMDEN
CHERRY HILL
WOODMANSIE
LAKEHURST
TOMS RIVER
CHADDS FORD JCT.
HOCKESSIN
SYLMAR
WILMINGTON
WOODBURY
GLENDORA
WINSLOW JCT.
CARNEYS PT
SALEM
PORTER
NEWARK
VINELAND
BRIDGETON
TOWNSEND
ATLANTIC CITY
CLAYTON
HALEYVILLE
DORCHESTER
TUCKAHOE
PALERMO
DOVER
RIO GRANDE
N
STRACNET
Connector
Other Railroad
Railroad Ferry
Civil Rail Network Source: Federal Railroad Administration

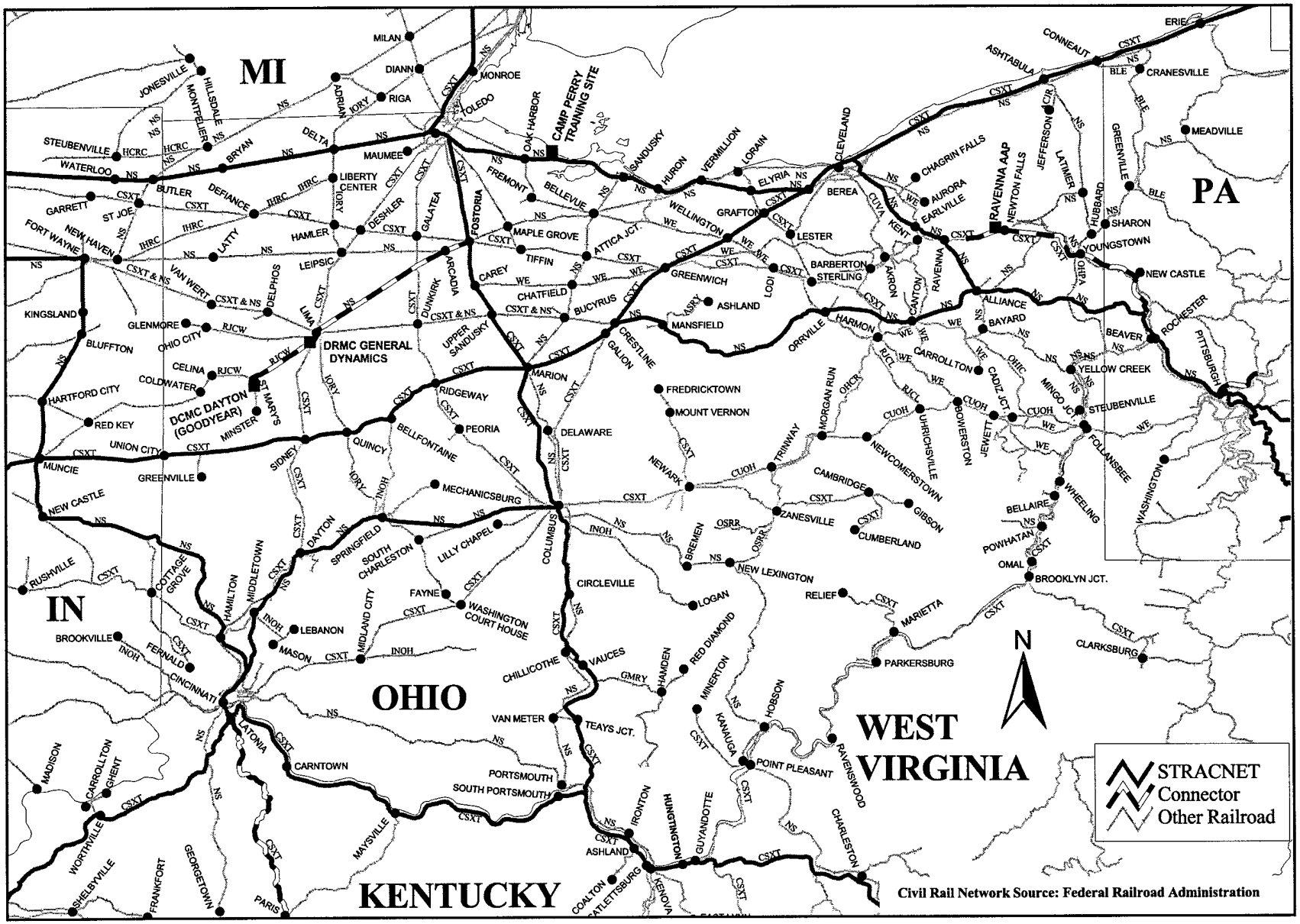

UTAH
COLORADO
NEW MEXICO
ARIZONA
OK
TEXAS
MEXICO
TRINIDAD
ALLEN MINE
CW
JANSEN
RATON
YORK CANYON
FRENCH
SIXELA
DALHART
SANTA FE
SFS
LAMY
LAS VEGAS
TUCUMCARI
CANYON
AMARILLO
HEREFORD
LEE RANCH MINE
GALLUP
DEFIANCE
BACA
NAVAJO
ALBUQUERQUE
DALIES
KIRTLAND AFB
ISLETA
BELEN
VAUGHN
SANTA ROSA
CLOVIS
PORTALES
TEXICO
SOCORRO
CARRIZOZO
WHITE SANDS MISSLE RANGE
ROSWELL
LUBBOCK
WHITEFACE
DOUD
CLIFTON
FIERRO
SANTA RITA
TYRONE
WHITEWATER
RINCON
OROGRANDE
LOVINGTON
TNMR
HOBBS
CARLESBAD
LOVING
TEAGUE
PECOS JCT.
BOWIE
LORDSBURG
DEMING
FT BLISS
EL PASO
RUSTLER SPRINGS
ODESSA
MIDLAND
SIERRA BLANCA
PECOS
MONAHANS
FT HUACHUCA (OP)
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration


CANADA
NEW YORK
PENNSYLVANIA
VT
NH
MA
CT
NJ
TO PRINCE RUPERT
OTTAWA
MONTREAL
ADIRONDACK JCT.
ST JEAN
BROOKPORT
SHERBROOKE
LACOLLE
CANTIC
ROUSES POINT
EAST ALBURGH
RICHFORD
ST ALBANS
PLATTSBURGH
ESSEX JCT.
BURLINGTON
CORNWALL
COTEAU
HUNTINGDON
WADDINGTON
OGDENSBURG
MASSENA
NORWOOD
BELLEVILLE
OSHAWA
TORONTO
HAMILTON
ST CATHARINES
NIAGARA FALLS
WEST SOMERSET
BROCKPORT
LOCKPORT
GATES
CHARLOTTE
ROCHESTER
WEBSTER
SODUS POINT
ONTARIO
OSWEGO
BROWNVILLE
WATERTOWN
FT DRUM
CARTHAGE
CROGHAN
LOWVILLE
PHILADELPHIA
FOWLER
NEWTON FALLS
LYONS FALLS
REMSEN
UTICA
ROME
WOODARD
SYRACUSE
NEWARK
VICTOR
LAKEVILLE
CANANDAIGUA
GENEVA
KENDAIA
SENECA AD
AUBURN
RICHFIELD JCT.
CORTLAND
DANSVILLE
HORNELL
DUNKIRK
BUFFALO
WELLAND
NORTH JAVA
DAYTON
FREDONIA
ASHFORD
MACHIAS
JAMESTOWN
SALAMANCA
OLEAN
CORRY
WARREN
BRADFORD
LARABEE
WELLSVILLE
EMPORIUM
LAWRENCEVILLE
CORNING
WAVERLY
SAYRE
WELLSBORO
TOWANDA
ITHACA
MILLS
OWEGO
ELMIRA
LUDLOWVILLE
HIMROD'S JCT.
BATH
CHENANGO FORKS
BINGHAMTON
DCMC SYRACUSE (LOCKHEED - OWEGO)
SCRANTON AAP
TOBYHANNA AD
HONESDALE
LACKAWAXEN
ONEONTA
SOUTH SCHENECTADY
DELANSON
VOORHEESVILLE
SELKIRK
ALBANY
HUDSON
CLAVERACK
WATERVLIET ARSENAL
NORTH ADAMS
PITTSFIELD
BENNINGTON
WHITEHALL
RUTLAND
CASTLETON
GLENS FALLS
CORINTH
SARATOGA SPRINGS
MECHANICVILLE
THOMSON
SALEM
WHITE CREEK
PORT JERVIS
CAMPBELL HALL
NEWBURGH
BEACON
HIGHLAND
POUGHKEEPSIE
WASSAIC
HARTFORD
NEW HAVEN
NSB NEW LONDON
WOODBRIDGE
WARWICK
SPARTA JCT.
DANBURY
STAMFORD
PORT JEFFERSON
GREENPORT
MONTAUK
FARMINGDALE
STRACNET
Connector
Other Railroad
Railroad Ferry
Civil Rail Network Source: Federal Railroad Administration


VA
NC
TN
GA
SC
ROANOKE
WALTON
ALTAVISTA
PETERSBURG
NORFOLK
MARTINSVILLE
DANVILLE
DENNISTON
CLARKSVILLE
LAWRENCEVILLE
EMPORIA
FRANKLIN
SUFFOLK
BOYKINS
ELIZABETH CITY
EDENTON
TUNIS
WELDON
KELFORD
ROANOKE RAPIDS
RIDGEWAY
HYCO
HYCO JCT
PICKS SIDING
OXFORD
SPRING HOPE
ROCKY MOUNT
PARMELE
MACKEYS
PLYMOUTH
WILSON
GREENVILLE
GOLDSBORO
KINSTON
CHOCOWINITY
NEW BERN
MT AIRY
RURAL HALL
WALNUT COVE
WINSTON-SALEM
GREENSBORO
DURHAM
RALEIGH
HIGH POINT
ASHBORO
HIGH ROCK
WHITNEY
LEXINGTON
SALISBURY
BARBER
STATESVILLE
TAYLORSVILLE
LENIOR
KONA
NORTH WILKESBORO
ERWIN
JOHNSON CITY
KINGSPORT
BRISTOL
BULLS GAP
NEW LINE
NEWPORT
ASHVILLE
CLINCHCROSS
BRYSON CITY
MURPHY
DILLSBORO
PISGAH FOREST
HENDERSONVILLE
BOSTIC
SHELBY
HICKORY
GASTONIA
CHARLOTTE
ROCK HILL
SPARTANBURG
BLACKSBURG
CHESTER
CATAWBA
MONROE
NORWOOD
ACWR
ABERDEEN
RAEFORD
RED SPRINGS
HAMLET
CHERAW
LAURINBURG
DILLON
FLORENCE
COLUMBIA
ATLANTA
MULLINS
MYRTLE BEACH
CALA
WHITEVILLE
CHADBOURN
LELAND
COASTAL
PEMBROKE
LUMBERTON
FAYETTEVILLE
MOULTONVILLE
DUART
WALLACE
WARSAW
CASTLE HAYNE
DFSP SELMA
DFSP / AIR FORCE PIPELINE
POPE AFB / FT BRAGG
VARINA
GULF
SELMA
PORT OF WILMINGTON
597th TRANS GROUP (TERMINAL) SOUTHPORT
CAMP LEJEUNE
MCAS CHERRY POINT
PORT OF MOREHEAD CITY
N
STRACNET
Connector
Other Railroad
Railroad Ferry
Civil Rail Network Source: Federal Railroad Administration



Civil Rail Network Source: Federal Railroad Adminsitration


MI
PA
IN
OHIO
WEST VIRGINIA
KENTUCKY
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration
DRMC GENERAL DYNAMICS
DCMC DAYTON (GOODYEAR)
CAMP PERRY TRAINING SITE
RAVENNA AAP
MILAN
DIANN
MONROE
TOLEDO
OAK HARBOR
SANDUSKY
HURON
VERMILLION
LORAIN
CLEVELAND
ELYRIA
BEREA
CHAGRIN FALLS
AURORA
EARLVILLE
ASHTABULA
CONNEAUT
ERIE
CRANESVILLE
MEADVILLE
SHARON
YOUNGSTOWN
NEW CASTLE
ROCHESTER
PITTSBURGH
BEAVER
YELLOW CREEK
STEUBENVILLE
WHEELING
WASHINGTON
FOLLANSBEE
BELLAIRE
POWHATAN
OMAL
BROOKLYN JCT.
MARIETTA
CLARKSBURG
PARKERSBURG
RELIEF
NEW LEXINGTON
ZANESVILLE
CUMBERLAND
GIBSON
CAMBRIDGE
NEWCOMERSTOWN
UHRICHSVILLE
BOWERSTON
JEWETT
CADIZ JCT
CARROLLTON
MINGO JCT
ALLIANCE
BAYARD
ORRVILLE
HARMON
CANTON
AKRON
BARBERTON
STERLING
GREENWICH
ASHLAND
MANSFIELD
CRESTLINE
GALION
MARION
FREDRICKTOWN
MOUNT VERNON
DELAWARE
NEWARK
TRINWAY
MORGAN RUN
LOGAN
BREMEN
CIRCLEVILLE
COLUMBUS
MECHANICSBURG
GREENVILLE
MUNCIE
UNION CITY
RED KEY
HARTFORD CITY
COLDWATER
CELINA
GLENMORE
OHIO CITY
BLUFFTON
KINGSLAND
NEW HAVEN
FORT WAYNE
GARRETT
WATERLOO
STEUBENVILLE
JONESVILLE
MONTPELIER
HILLSDALE
BRYAN
DELTA
ADRIAN
RIGA
MAUMEE
LIBERTY CENTER
DEFIANCE
BUTLER
ST JOE
LATTY
VAN WERT
DELPHOS
LIMA
LEIPSIC
HAMLER
DESHLER
GALATEA
FOSTORIA
FREMONT
BELLEVUE
MAPLE GROVE
TIFFIN
ATTICA JCT.
CAREY
CHATFIELD
BUCYRUS
ARCADIA
DUNKIRK
UPPER SANDUSKY
RIDGEWAY
PEORIA
BELLEFONTAINE
QUINCY
SIDNEY
MINSTER
ST MARY'S
RUSHVILLE
COTTAGE GROVE
BROOKVILLE
FERNALD
CINCINNATI
HAMILTON
MIDDLETOWN
DAYTON
SPRINGFIELD
SOUTH CHARLESTON
LILLY CHAPEL
LEBANON
MASON
MIDLAND CITY
FAYNE
WASHINGTON COURT HOUSE
CHILLICOTHE
VAUCES
TEAYS JCT.
VAN METER
PORTSMOUTH
SOUTH PORTSMOUTH
IRONTON
ASHLAND
HUNTINGTON
GUYANDOTTE
CHARLESTON
KANAUGA
POINT PLEASANT
RAVENSWOOD
HOBSON
MINERTON
RED DIAMOND
HAMDEN
GMRY
LATONIA
CARNTOWN
MAYSVILLE
MADISON
CARROLLTON
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WORTHVILLE
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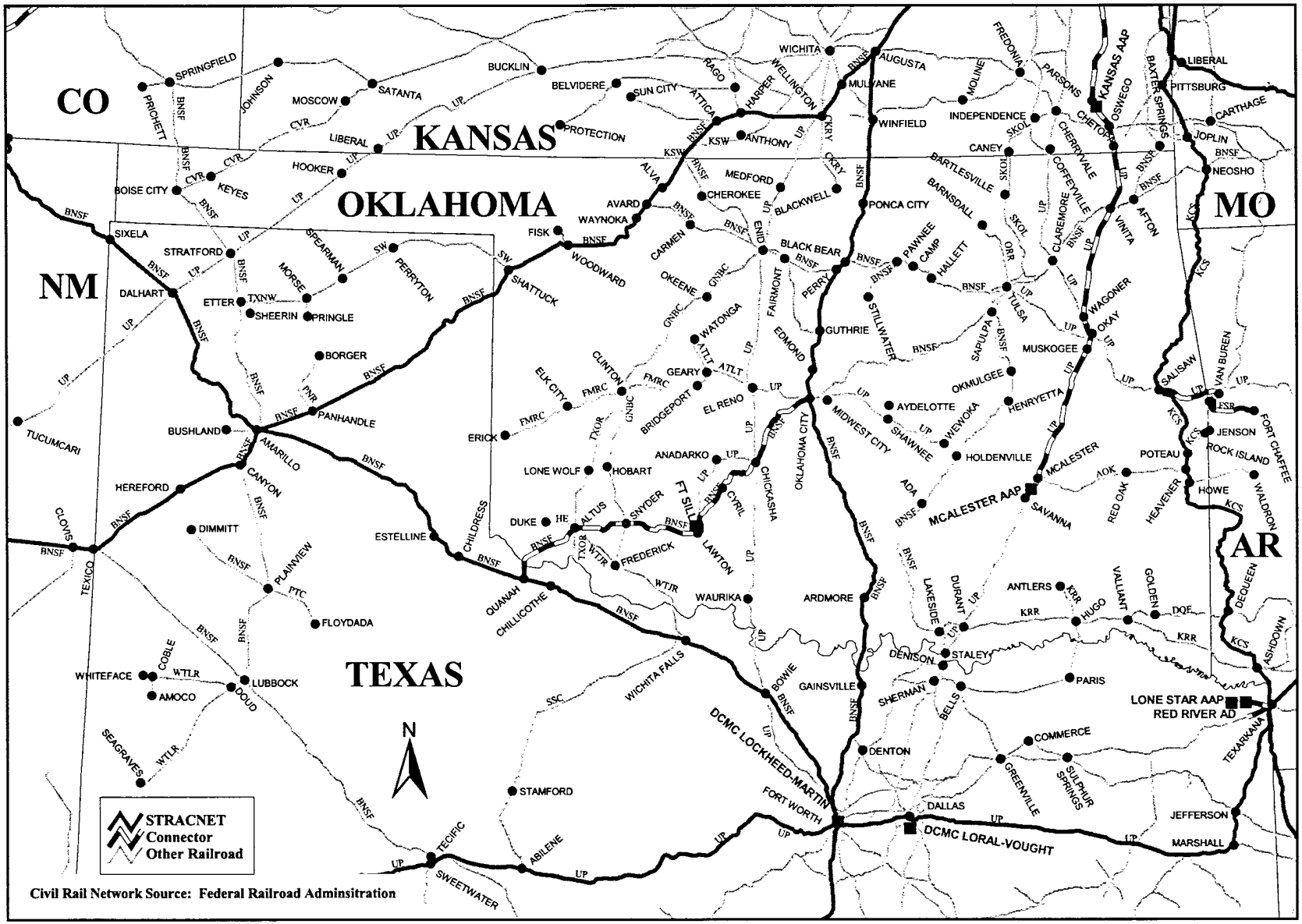
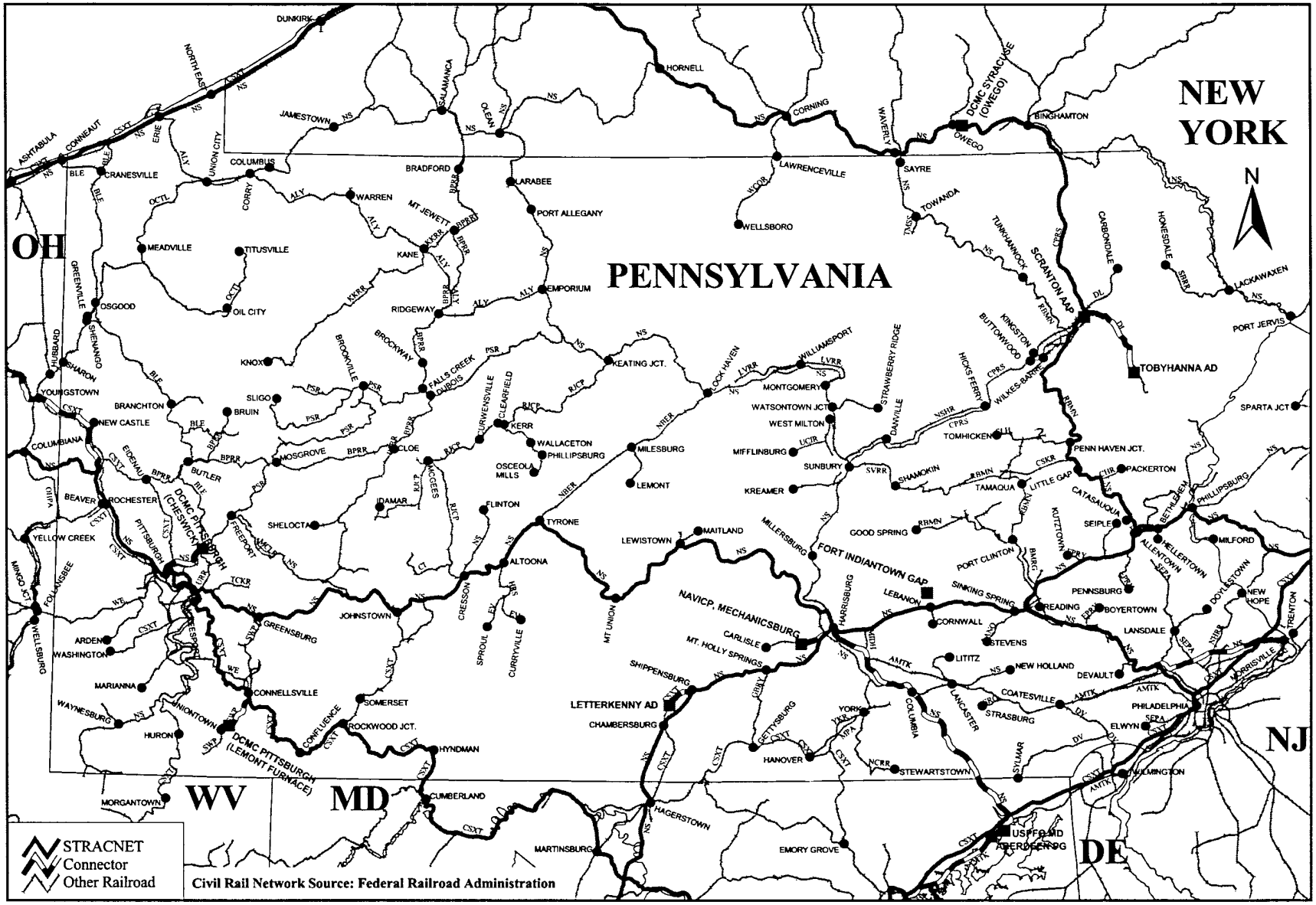
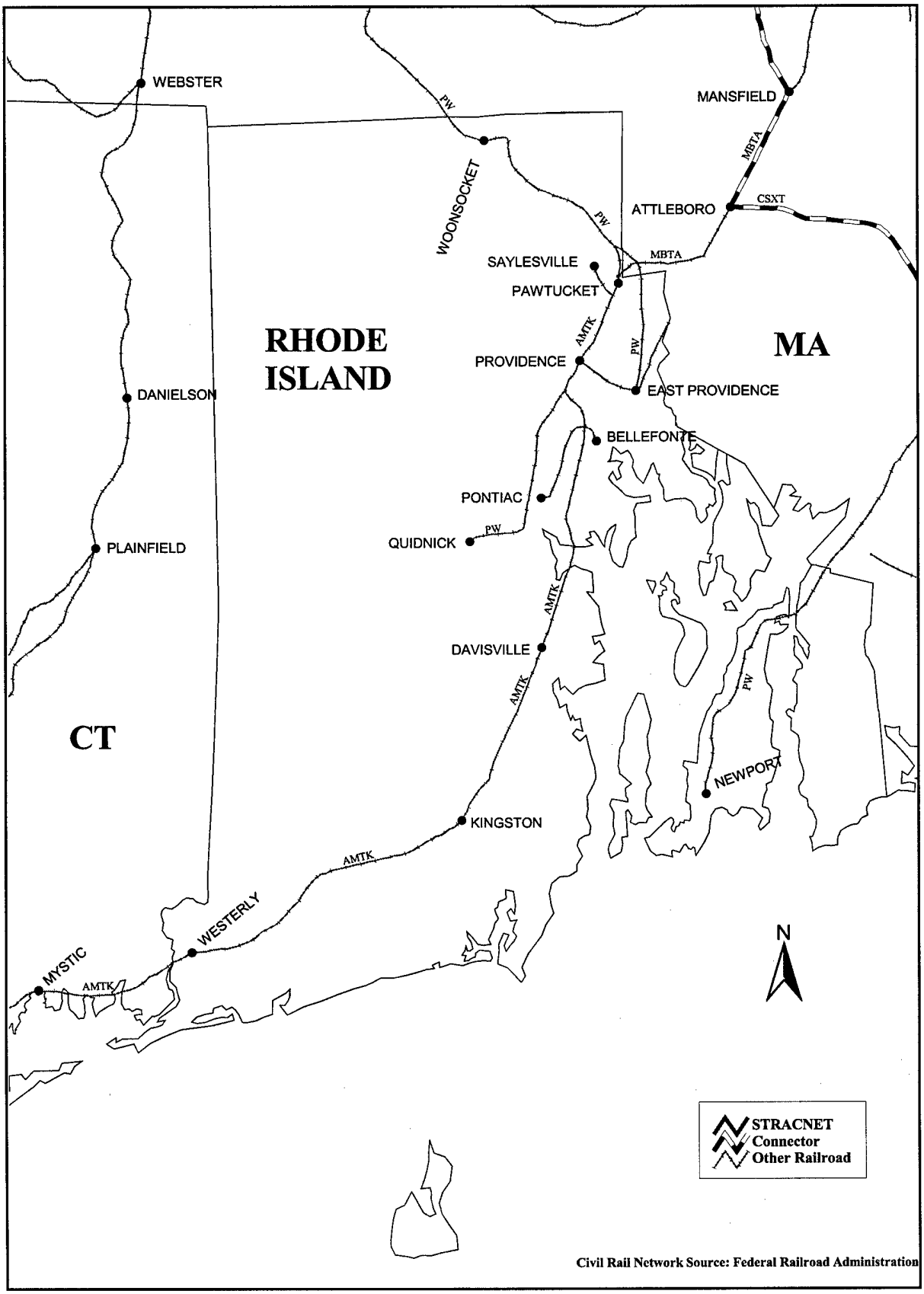
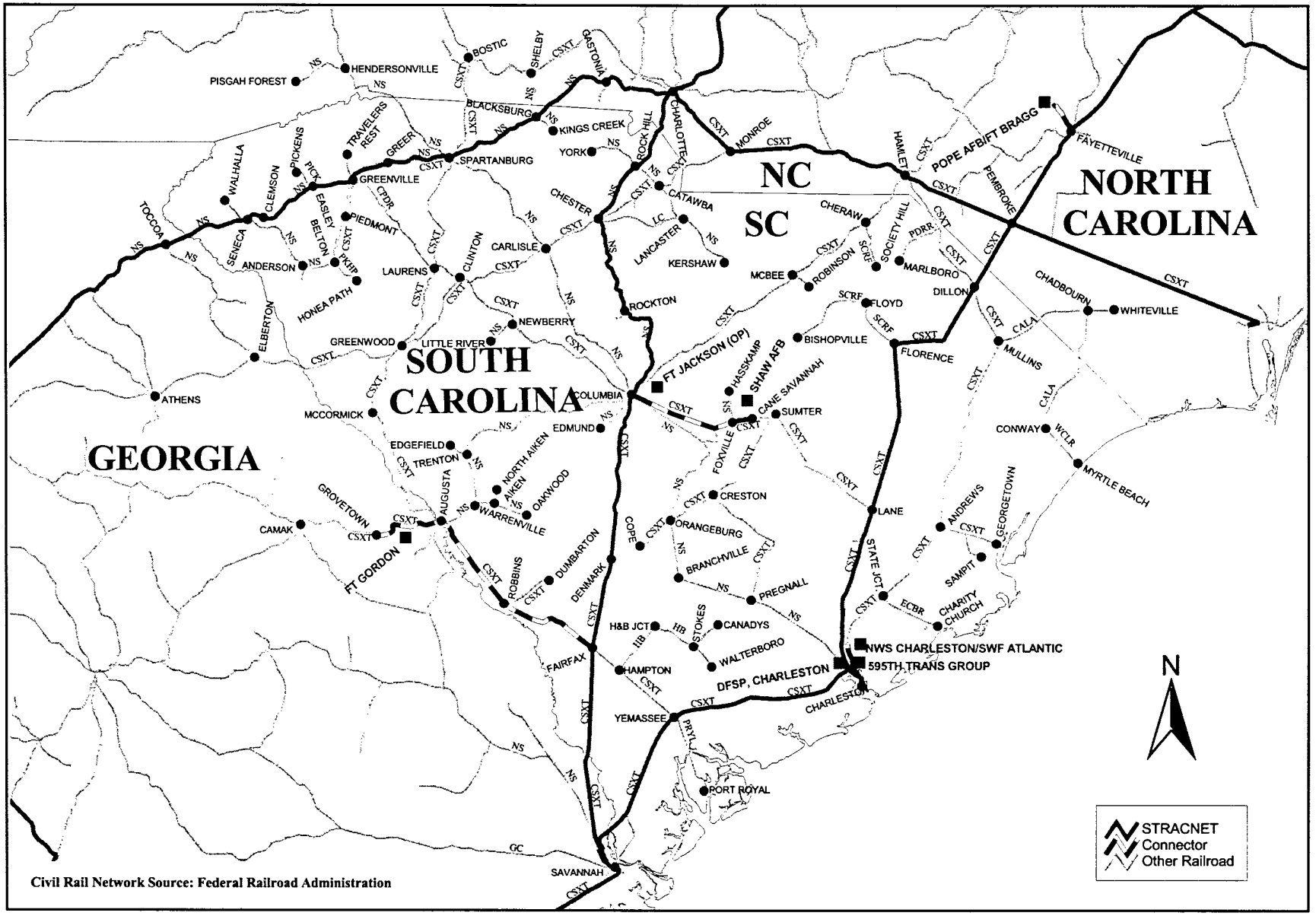
FRANKFORT
GEORGETOWN
PARIS
COALTON
PATLETTSBURG
KENOVA

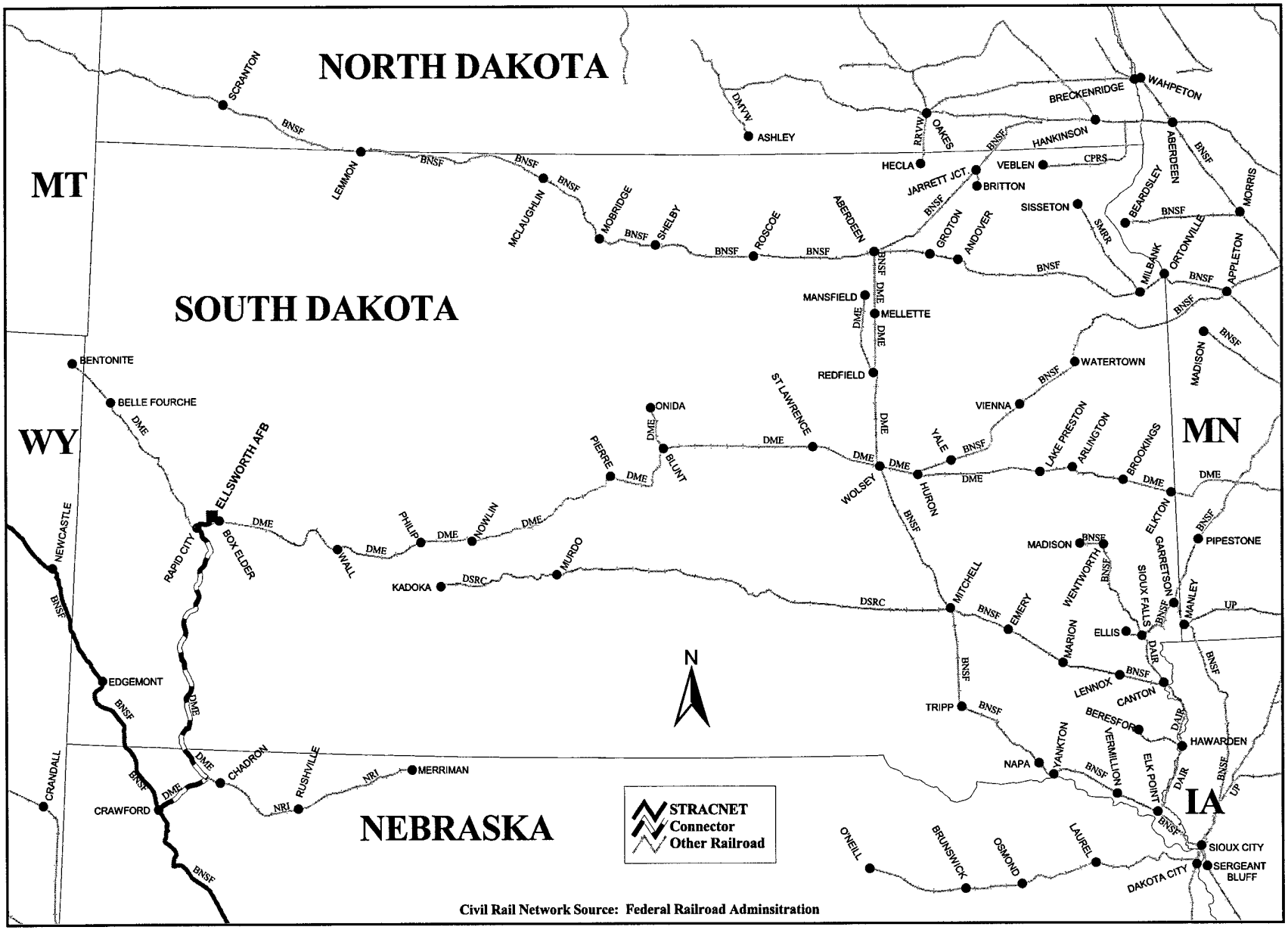

CO
KANSAS
OKLAHOMA
NM
TEXAS
MO
AR
SPRINGFIELD
PRICHETT
JOHNSON
MOSCOW
SATANTA
BUCKLIN
BELVIDERE
SUN CITY
RAGO
ATTICA
HARPER
WELLINGTON
WICHITA
AUGUSTA
MULVANE
WINFIELD
FREDONIA
PARSONS
MOLINE
INDEPENDENCE
CHETOPA
OSWEGO
KANSAS AAP
BAXTER SPRINGS
LIBERAL
PITTSBURG
CARTHAGE
JOPLIN
NEOSHO
LIBERAL
PROTECTION
ANTHONY
CANEY
CHERRYVALE
COFFEYVILLE
BARTLESVILLE
BARNSDALL
CLAREMORE
VINITA
AFTON
HOOKER
BOISE CITY
KEYES
MEDFORD
CHEROKEE
BLACKWELL
PONCA CITY
AVARD
WAYNOKA
FISK
SIXELA
STRATFORD
SPEARMAN
MORSE
PERRYTON
DALHART
ETTER
TXNW
SHEERIN
PRINGLE
SHATTUCK
WOODWARD
CARMEN
ENID
BLACK BEAR
PAWNEE
CAMP
HALLETT
OKEENE
GNBC
FAIRMONT
PERRY
GUTHRIE
STILLWATER
TULSA
WAGONER
OKAY
MUSKOGEE
SAPULPA
OKMULGEE
HENRYETTA
WATONGA
EDMOND
BORGER
GEARY
ATLT
CLINTON
ELK CITY
FMRC
BRIDGEPORT
EL RENO
AYDELOTTE
WEWOKA
SHAWNEE
MIDWEST CITY
OKLAHOMA CITY
SALISAW
VAN BUREN
FSR
FORT CHAFFEE
JENSON
ROCK ISLAND
POTEAU
HOWE
WALDRON
HEAVENER
RED OAK
AOK
MCALESTER
MCALESTER AAP
SAVANNA
ADA
HOLDENVILLE
TUCUMCARI
BUSHLAND
PANHANDLE
AMARILLO
CANYON
HEREFORD
CLOVIS
TEXICO
DIMMITT
PLAINVIEW
PTC
FLOYDADA
ESTELLINE
CHILDRESS
QUANAH
CHILLICOTHE
ERICK
TXOR
GNBC
ANADARKO
LONE WOLF
HOBART
DUKE
HE
ALTUS
SNYDER
FT SILL
CYRIL
CHICKASHA
LAWTON
FREDERICK
WTJR
WAURIKA
ARDMORE
LAKESIDE
DURANT
ANTLERS
KRR
HUGO
VALLIANT
GOLDEN
DQE
DEQUEEN
ASHDOWN
KCS
DENISON
STALEY
PARIS
SHERMAN
BELLS
GAINSVILLE
BOWIE
WHITEFACE
COBLE
WTLR
AMOCO
LUBBOCK
OOUD
SEAGRAVES
WICHITA FALLS
SSC
DCMC LOCKHEED-MARTIN
FORT WORTH
DENTON
COMMERCE
GREENVILLE
SULPHUR SPRINGS
TEXARKANA
LONE STAR AAP
RED RIVER AD
DALLAS
DCMC LORAL-VOUGHT
JEFFERSON
MARSHALL
STAMFORD
TECIFIC
ABILENE
SWEETWATER
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Adminsitration


WASHINGTON
OREGON
CALIFORNIA
NEVADA
IDAHO
N
ASTORIA
PNWR
BNSF
WOODLAND
ST HELENS
CHELATCHIE
POTB
BANKS
PNWR
LINC
VANCOUVER
HILLSBORO
SEGHERS
PORTLAND
TROUTDALE
BORING
TUALATIN
NEWBERG
CANBY
MOLALLA
TILLAMOOK
WILLAMINA
WHITESON
GRANDE RONDE
HLSC
WPRR
PNWR
UP
WVRD
DALLAS
SALEM
WEST SLAYTON
MILL CITY
TOLEDO
ALBANY
LEBANON
FOSTER
CORVALLIS
DAWSON
MONROE
PAGE
DANEBO
HENDRICKS
EUGENE
CORP
GARDINER
GARDINER JCT.
COTTAGE GROVE
COOS BAY
COQUILLE
BARNES
CORNUTT
GLENDALE
GRANTS PASS
TOLO
MEDFORD
WHITE CITY
BELLEVIEW
KLAMATH FALLS
BINGEN
HOOD RIVER
MH
PARKDALE
THE DALLES
LYLE
WISHRAM
OREGON TRUNK JCT.
SHERAR
MAUPIN
MADRAS
PAXTON
PRINEVILLE JCT.
PRINEVILLE
REDMOND
BEND
GILCHRIST
GILCHRIST JCT.
CHEMULT
OCE
BLY
LAKEVIEW
GWR
ALTURAS
YREKA
MONTAGUE
BLACK BUTTE
ARLINGTON
CONDON
UMATILLA
HINKLE
RIETH
PENDLETON
PILOT ROCK
ELGIN
LA GRANDE
BAKER
PASCO
WALLULA
BLMR
WALLA WALLA
MILTON-FREEWATER
WESTON
CASCADE
INPR
ONTARIO
PAYETTE
EMMETT
CELATOM
VALE
NYSSA
WILDER
CALDWELL
NAMPA
MADDENS
BOISE
GOWEN FIELD
ORCHARD
STRACNET
Connectors
Other Railroads
Civil Rail Network Source: Federal Railroad Administration

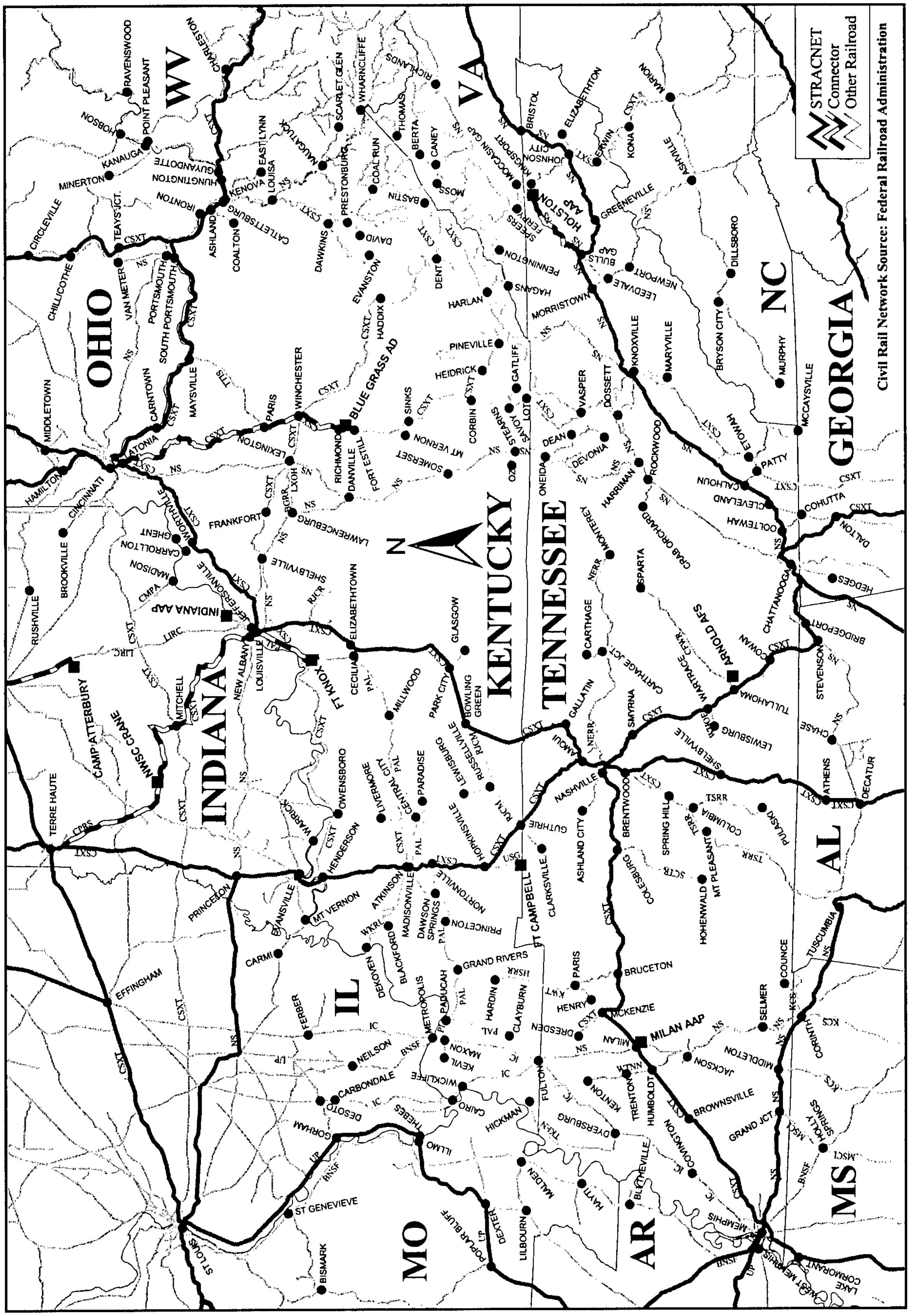

NEW YORK
PENNSYLVANIA
OH
WV
MD
DE
NJ
N
DUNKIRK
JAMESTOWN
SALAMANCA
OLEAN
HORNELL
CORNING
WAVERLY
DCMC SYRACUSE (OWEGO)
BINGHAMTON
OWEGO
SAYRE
TOWANDA
WELLSBORO
LAWRENCEVILLE
LARABEE
PORT ALLEGANY
BRADFORD
COLUMBUS
WARREN
KANE
MEADVILLE
TITUSVILLE
OIL CITY
OSGOOD
RIDGEWAY
EMPORIUM
KNOX
FALLS CREEK
DUBOIS
KEATING JCT.
LOCK HAVEN
WILLIAMSPORT
MONTGOMERY
WATSONTOWN JCT
WEST MILTON
MIFFLINBURG
SUNBURY
KREAMER
LEMONT
MILESBURG
WALLACETON
PHILLIPSBURG
OSCEOLA MILLS
KERR
CLEARFIELD
CURWENSVILLE
BROCKWAY
BROOKVILLE
SLIGO
BRUIN
BRANCHTON
NEW CASTLE
YOUNGSTOWN
SHARON
HUBBARD
GREENVILLE
SHENANGO
COLUMBIANA
BEAVER
ROCHESTER
BUTLER
MOSGROVE
CLOE
IDAMAR
MCGEES
FLINTON
TYRONE
ALTOONA
SHELOCTA
FREEPORT
YELLOW CREEK
MINGO JCT
FOLANSBEE
WELLSBURG
ARDEN
WASHINGTON
MARIANNA
WAYNESBURG
HURON
CONNELLSVILLE
UNIONTOWN
GREENSBURG
JOHNSTOWN
CRESSON
SPROUL
CURRYVILLE
ROCKWOOD JCT.
SOMERSET
CONFLUENCE
HYNDMAN
DCMC PITTSBURGH (LEMONT FURNACE)
DCMC PITTSBURGH (CHESWICK)
MORGANTOWN
CUMBERLAND
MARTINSBURG
HAGERSTOWN
EMORY GROVE
LEWISTOWN
MAITLAND
MILLERSBURG
MT UNION
NAVICP, MECHANICSBURG
CARLISLE
MT. HOLLY SPRINGS
SHIPPENSBURG
LETTERKENNY AD
CHAMBERSBURG
HARRISBURG
FORT INDIANTOWN GAP
LEBANON
GOOD SPRING
PORT CLINTON
SINKING SPRING
CORNWALL
LITITZ
NEW HOLLAND
LANCASTER
YORK
GETTYSBURG
HANOVER
STRASBURG
COATESVILLE
PHILADELPHIA
ELWYN
DEVAULT
LANSDALE
BOYERTOWN
READING
PENNSBURG
STEVENS
NEW HOPE
DOYLESTOWN
TRENTON
MORRISVILLE
WILMINGTON
STEWARTSTOWN
SYLMAR
USPFO MD ABERDEEN PG
SHAMOKIN
TAMAQUA
LITTLE GAP
PENN HAVEN JCT.
PACKERTON
SEIPLE
CATASAUQUA
BETHLEHEM
ALLENTOWN
WHITEHALL
MILFORD
PHILLIPSBURG
SPARTA JCT
PORT JERVIS
LACKAWAXEN
HONESDALE
CARBONDALE
SCRANTON AAP
TOBYHANNA AD
KINGSTON
WILKES-BARRE
HICKS FERRY
STRAWBERRY RIDGE
DANVILLE
TOMHICKEN
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

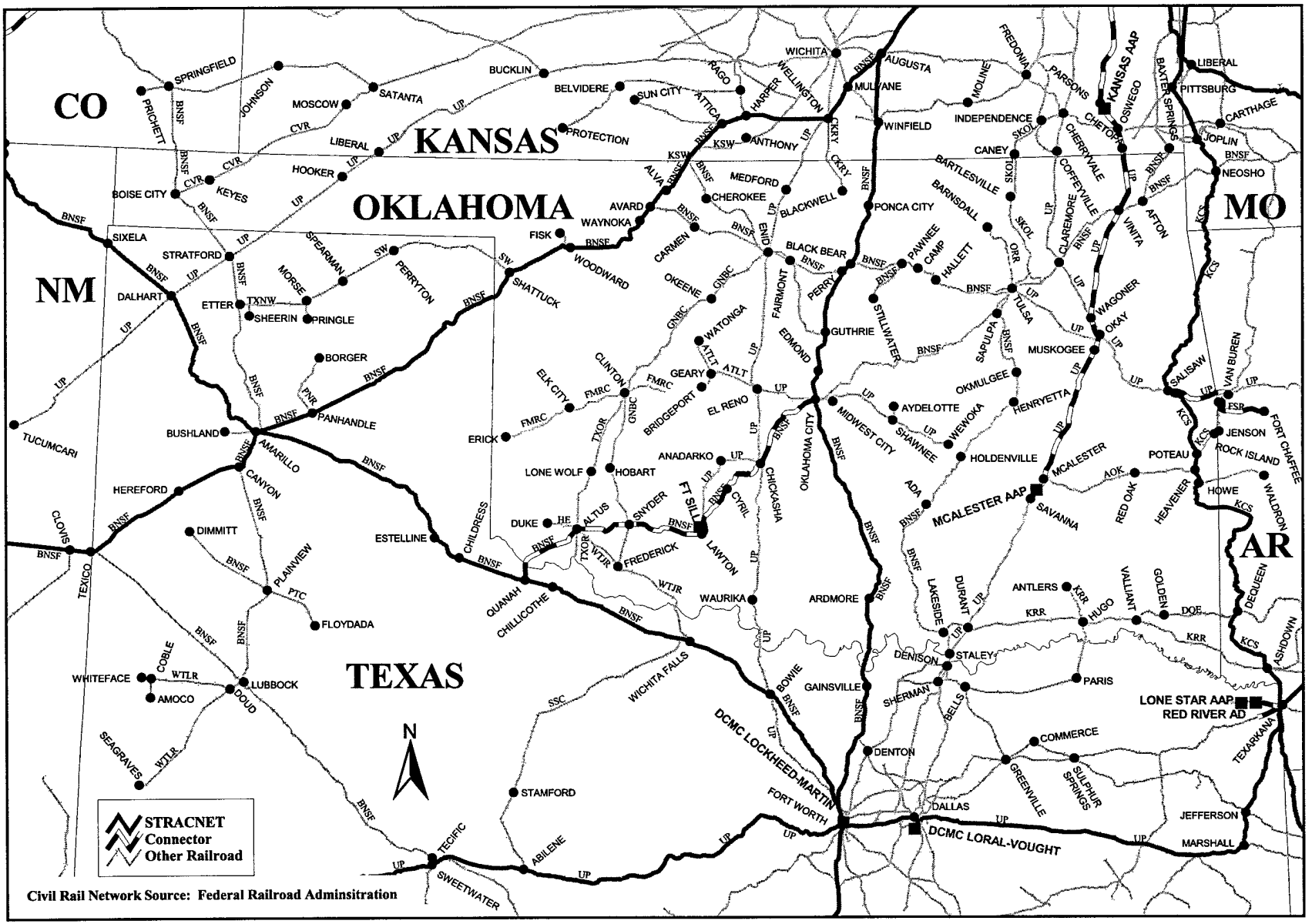

WEBSTER
MANSFIELD
PW
MBTA
WOONSOCKET
PW
ATTLEBORO
CSXT
SAYLESVILLE
MBTA
PAWTUCKET
RHODE ISLAND
AMTK
PW
MA
PROVIDENCE
EAST PROVIDENCE
DANIELSON
BELLEFONTE
PONTIAC
PW
QUIDNICK
PLAINFIELD
AMTK
DAVISVILLE
AMTK
PW
CT
NEWPORT
KINGSTON
AMTK
WESTERLY
MYSTIC
AMTK
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

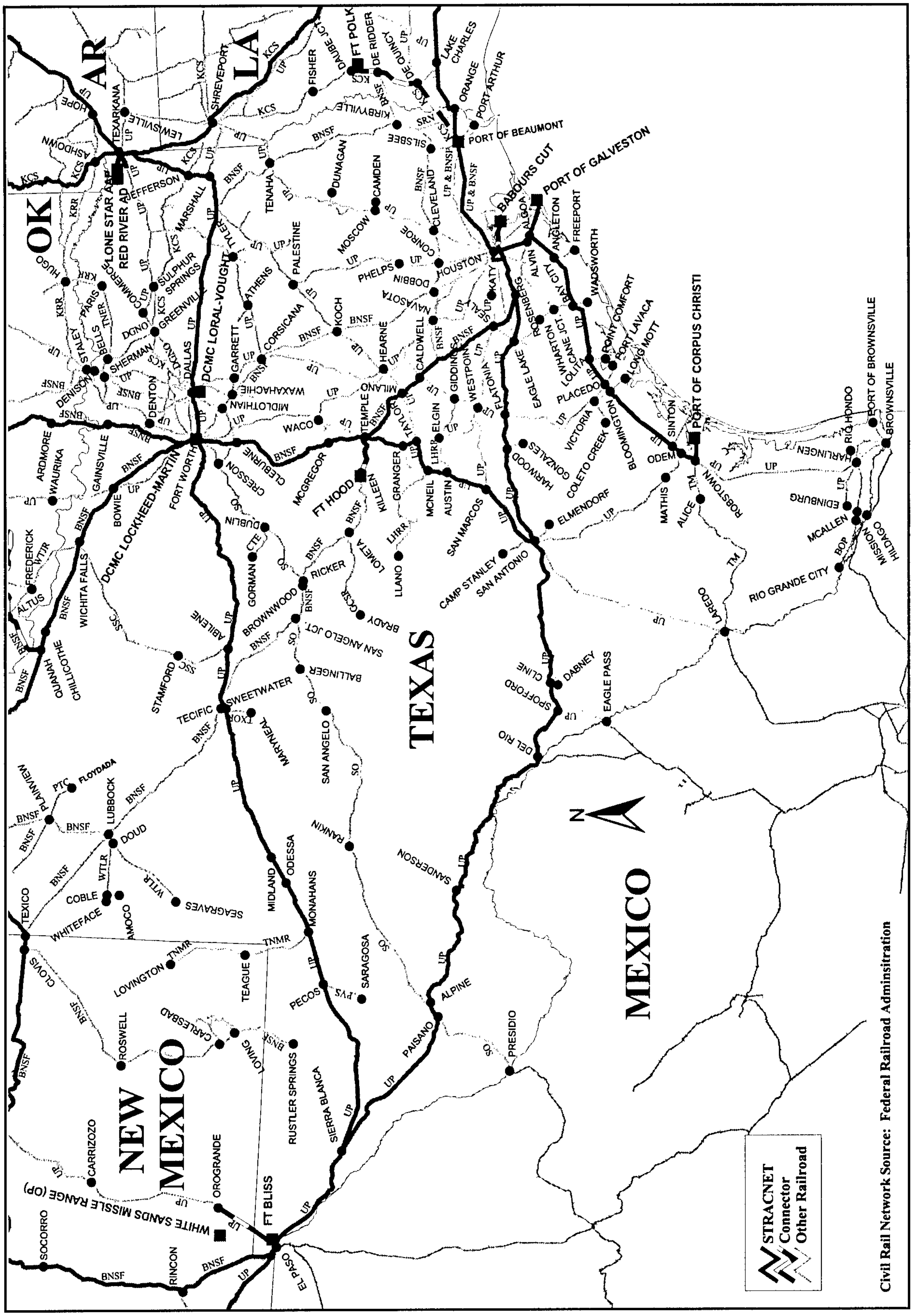

NORTH CAROLINA
NC
SC
SOUTH CAROLINA
GEORGIA
PISGAH FOREST
HENDERSONVILLE
BOSTIC
SHELBY
GASTONIA
BLACKSBURG
KINGS CREEK
YORK
ROCK HILL
CHARLOTTE
MONROE
POPE AFB/FT BRAGG
FAYETTEVILLE
HAMLET
PEMBROKE
TRAVELERS REST
GREER
SPARTANBURG
GREENVILLE
WALHALLA
CLEMSON
PICKENS
EASLEY
PIEDMONT
CPDR
TOCCOA
SENECA
ANDERSON
BELTON
OKHP
HONEA PATH
LAURENS
CLINTON
CARLISLE
CHESTER
CATAWBA
LANCASTER
KERSHAW
CHERAW
SOCIETY HILL
PDRR
MARLBORO
MCBEE
ROBINSON
SCRF
DILLON
CHADBOURN
WHITEVILLE
ROCKTON
FLOYD
BISHOPVILLE
FLORENCE
MULLINS
CALA
NEWBERRY
GREENWOOD
LITTLE RIVER
ELBERTON
ATHENS
MCCORMICK
EDGEFIELD
TRENTON
EDMUND
COLUMBIA
FT JACKSON (OP)
HASSKAMP
SHAW AFB
CANE SAVANNAH
SUMTER
FOXVILLE
CONWAY
WCLR
MYRTLE BEACH
NORTH AIKEN
AIKEN
OAKWOOD
WARRENVILLE
AUGUSTA
GROVETOWN
CAMAK
FT GORDON
CRESTON
ORANGEBURG
BRANCHVILLE
PREGNALL
COPE
DENMARK
DUMBARTON
ROBBINS
LANE
ANDREWS
GEORGETOWN
SAMPIT
STATE JCT
ECBR
CHARITY CHURCH
H&B JCT
HB
STOKES
CANADYS
WALTERBORO
HAMPTON
FAIRFAX
NWS CHARLESTON/SWF ATLANTIC
595TH TRANS GROUP
DFSP, CHARLESTON
CHARLESTON
YEMASSEE
PRYL
PORT ROYAL
SAVANNAH
GC
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

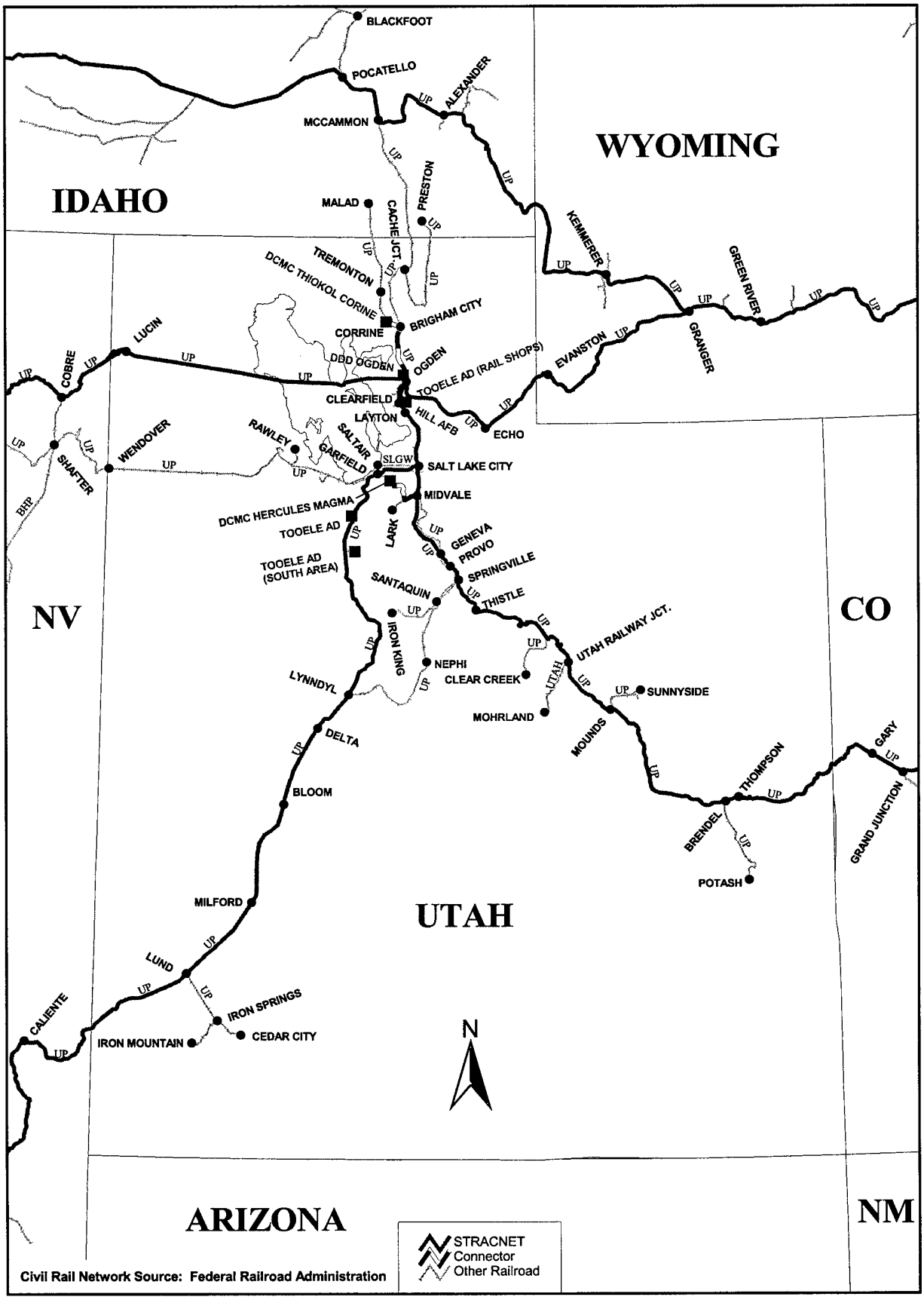


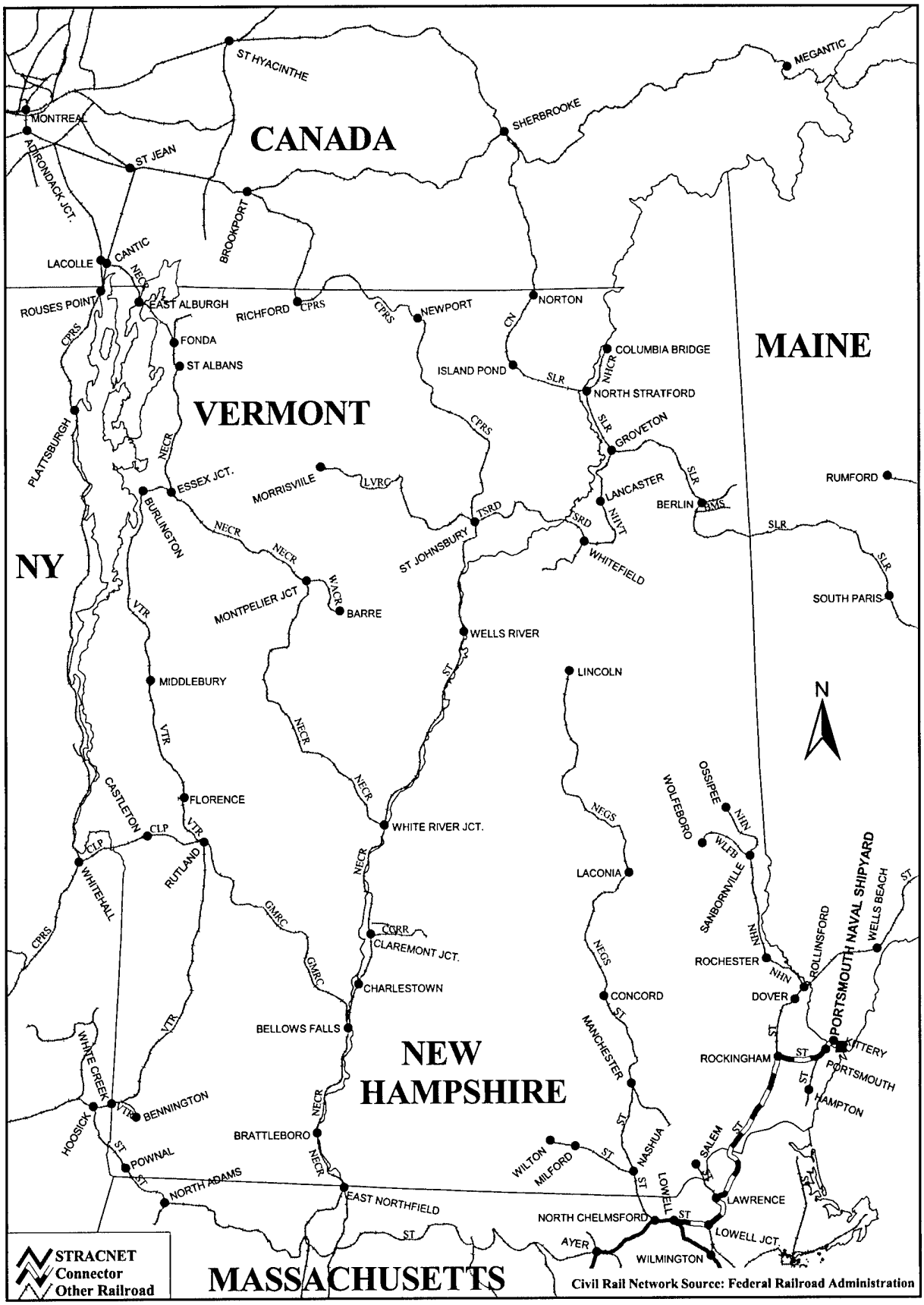
Civil Rail Network Source: Federal Railroad Adminsitration

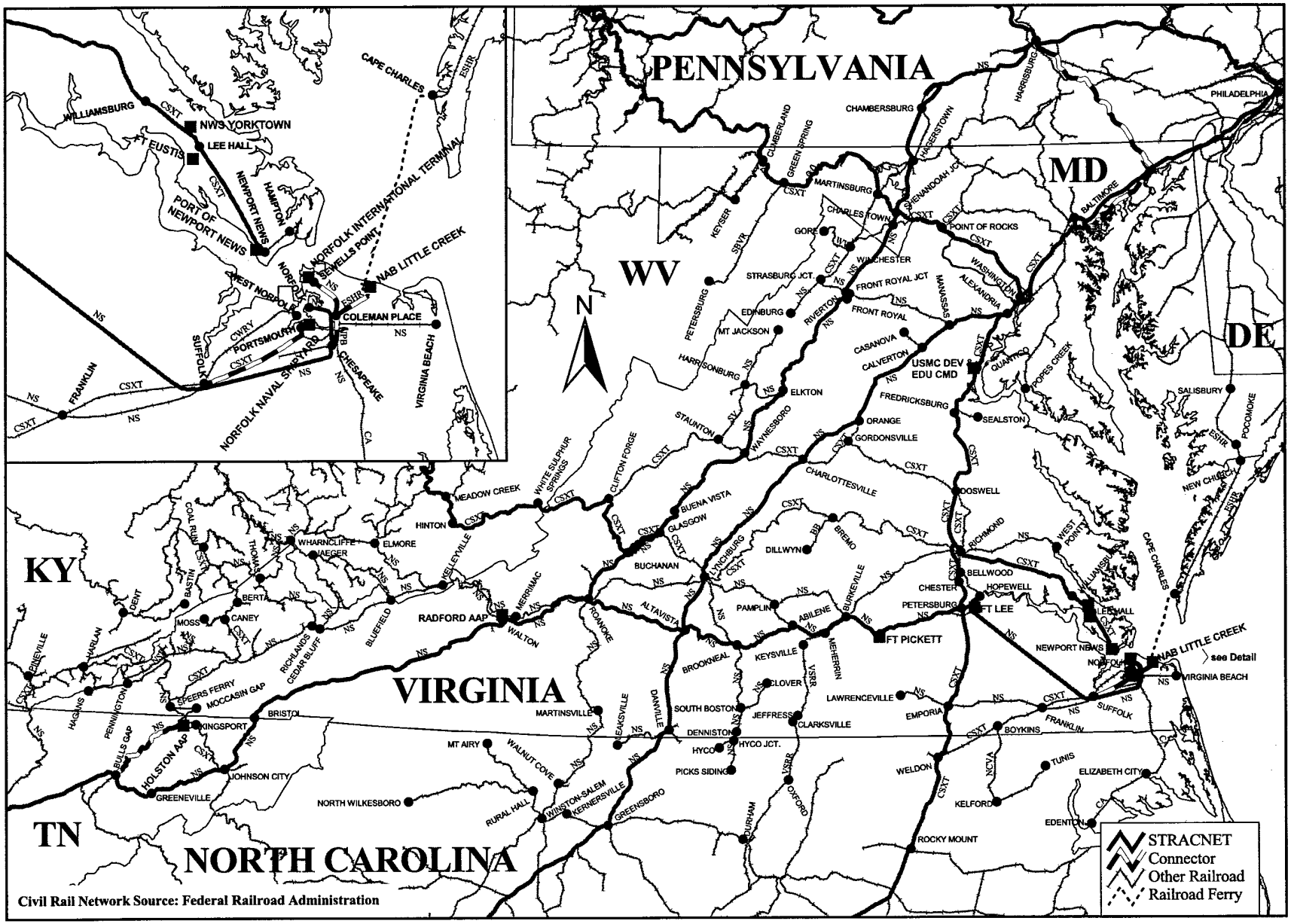

STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration
OHIO
WV
VA
INDIANA
KENTUCKY
TENNESSEE
NC
GEORGIA
IL
MO
AR
MS
AL
CAMP ATTERBURY
NWSC CRANE
INDIANA AAP
FT KNOX
BLUE GRASS AD
HOLSTON AAP
ARNOLD AFS
FT CAMPBELL
MILAN AAP


CO
KANSAS
OKLAHOMA
NM
TEXAS
MO
AR
SPRINGFIELD
PRICHETT
JOHNSON
MOSCOW
SATANTA
BUCKLIN
BELVIDERE
SUN CITY
ATTICA
HARPER
WELLINGTON
WICHITA
AUGUSTA
MULVANE
WINFIELD
FREDONIA
MOLINE
PARSONS
KANSAS AAP
OSWEGO
BAXTER SPRINGS
LIBERAL
PITTSBURG
CARTHAGE
JOPLIN
NEOSHO
INDEPENDENCE
CHETOPA
CHERRYVALE
COFFEYVILLE
CANEY
SKOL
BARTLESVILLE
BARNSDALL
CLAREMORE
VINITA
AFTON
LIBERAL
PROTECTION
ANTHONY
KSW
CKRY
MEDFORD
CHEROKEE
BLACKWELL
PONCA CITY
BOISE CITY
KEYES
HOOKER
AVARD
ALVA
WAYNOKA
FISK
WOODWARD
CARMEN
ENID
BLACK BEAR
PAWNEE
CAMP
HALLETT
PERRY
STILLWATER
FAIRMONT
SIXELA
STRATFORD
SPEARMAN
PERRYTON
SHATTUCK
MORSE
DALHART
ETTER
SHEERIN
PRINGLE
TXNW
OKEENE
GNBC
WATONGA
ATLT
GUTHRIE
EDMOND
TULSA
WAGONER
OKAY
SAPULPA
MUSKOGEE
OKMULGEE
HENRYETTA
SALISAW
VAN BUREN
FSR
FORT CHAFFEE
JENSON
ROCK ISLAND
POTEAU
HOWE
WALDRON
BORGER
PNR
PANHANDLE
BUSHLAND
TUCUMCARI
AMARILLO
CANYON
HEREFORD
CLOVIS
TEXICO
DIMMITT
PLAINVIEW
PTC
FLOYDADA
ESTELLINE
CHILDRESS
QUANAH
CHILLICOTHE
ELK CITY
CLINTON
FMRC
GEARY
EL RENO
BRIDGEPORT
ERICK
TXOR
LONE WOLF
HOBART
ANADARKO
DUKE
HE
ALTUS
SNYDER
FT SILL
CYRIL
LAWTON
FREDERICK
WTJR
WAURIKA
CHICKASHA
OKLAHOMA CITY
MIDWEST CITY
AYDELOTTE
SHAWNEE
WEWOKA
HOLDENVILLE
ADA
MCALESTER
MCALESTER AAP
SAVANNA
AOK
RED OAK
HEAVENER
ARDMORE
LAKESIDE
DURANT
ANTLERS
KRR
HUGO
VALLIANT
GOLDEN
DQE
DEQUEEN
ASHDOWN
KCS
DENISON
STALEY
PARIS
GAINSVILLE
SHERMAN
BELLS
BOWIE
LONE STAR AAP
RED RIVER AD
TEXARKANA
DENTON
COMMERCE
GREENVILLE
SULPHUR SPRINGS
DALLAS
DCMC LORAL-VOUGHT
JEFFERSON
MARSHALL
FORT WORTH
DCMC LOCKHEED-MARTIN
WICHITA FALLS
SSC
STAMFORD
ABILENE
SWEETWATER
TECIFIC
WHITEFACE
COBLE
WTLR
AMOCO
LUBBOCK
DOUD
SEAGRAVES
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Adminsitration

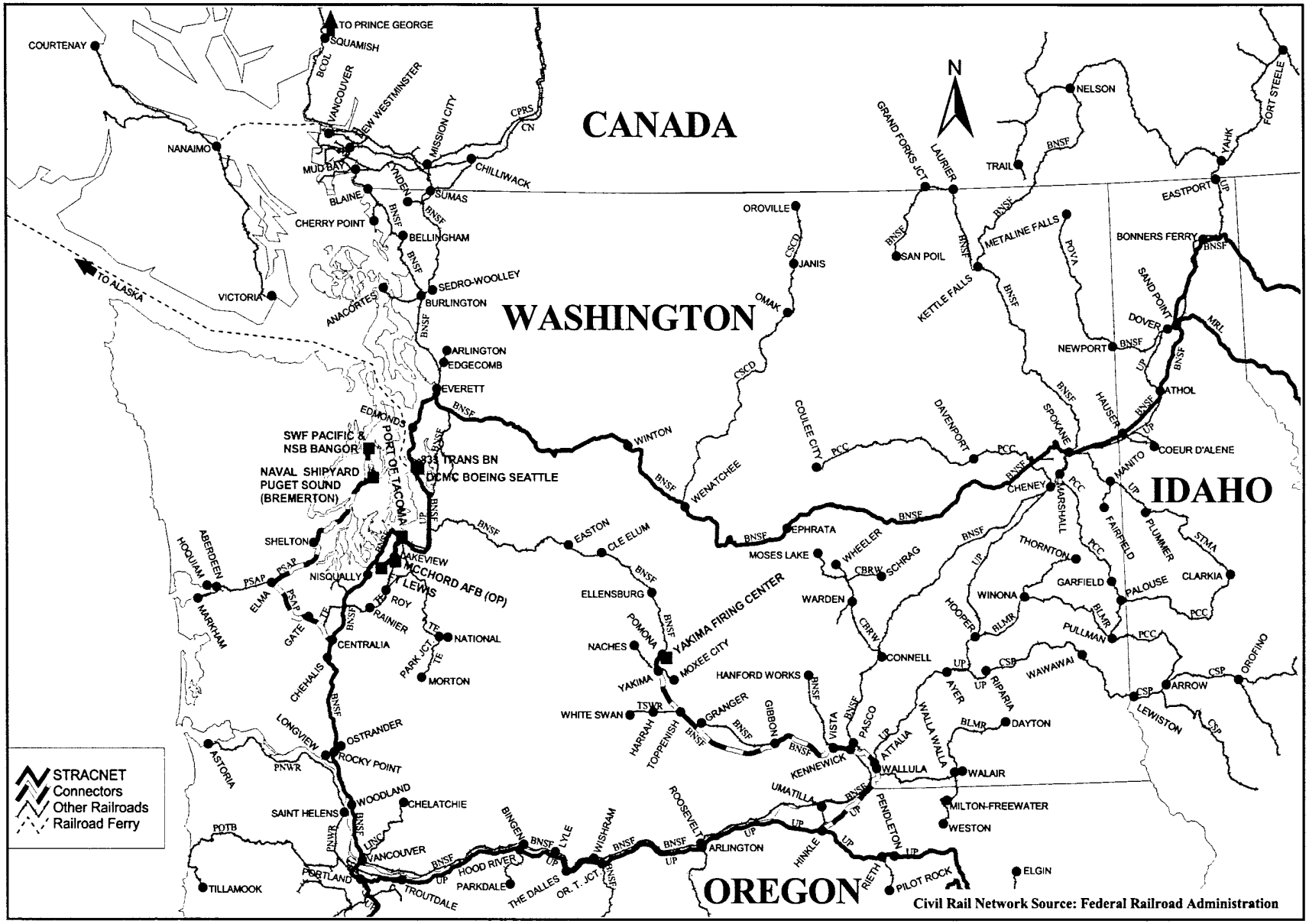

TEXAS
NEW MEXICO
MEXICO
OK
AR
LA
N
STRACNET
Connector
Other Railroad
PORT OF GALVESTON
PORT OF BEAUMONT
PORT OF CORPUS CHRISTI
PORT OF BROWNSVILLE
BARBOURS CUT
FT HOOD
FT BLISS
FT POLK
LONE STAR AAP
RED RIVER AD
DCMC LORAL-VOUGHT
DCMC LOCKHEED-MARTIN
WHITE SANDS MISSLE RANGE (OP)
Civil Rail Network Source: Federal Railroad Adminsitration

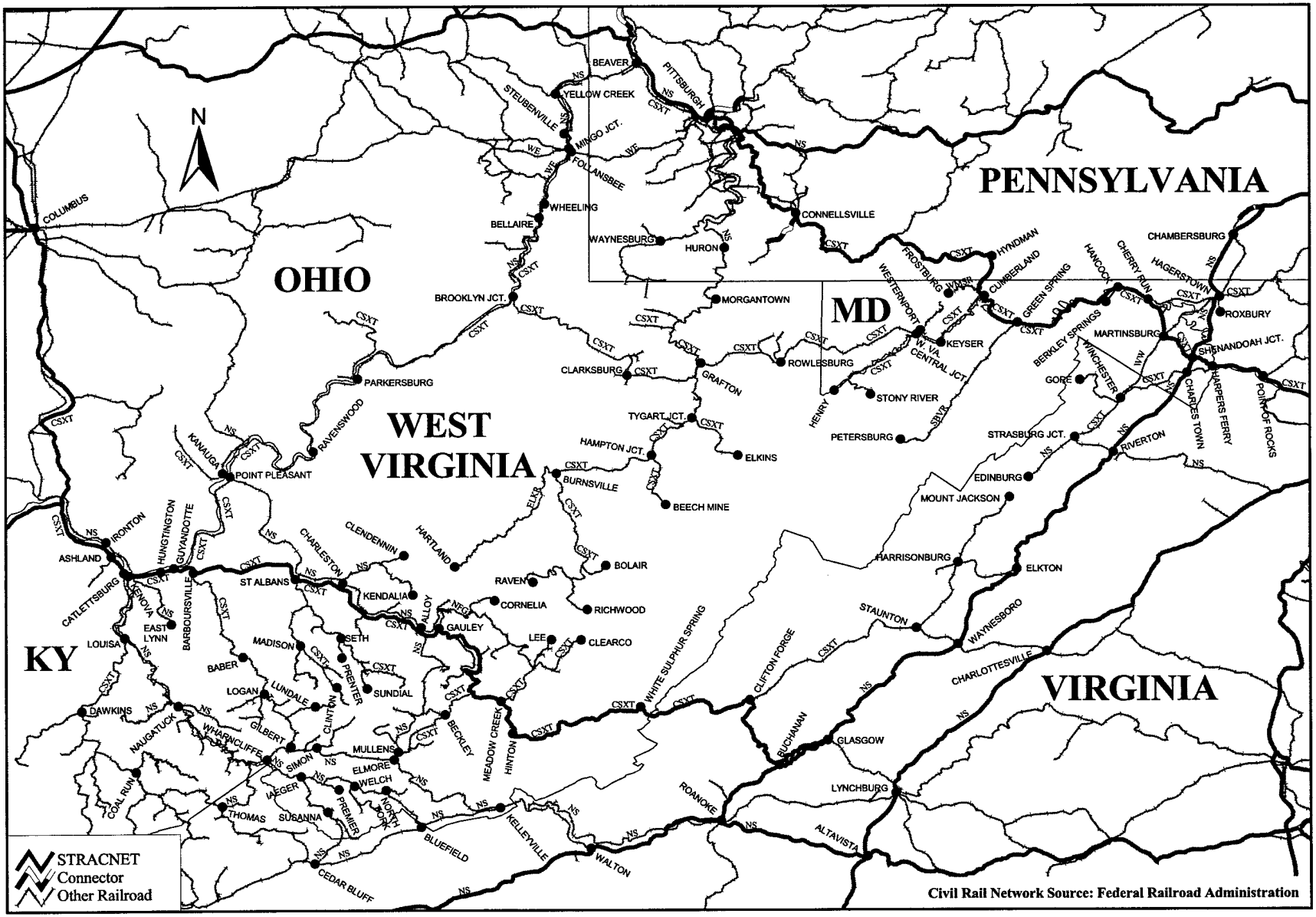

BLACKFOOT
POCATELLO
ALEXANDER
MCCAMMON
IDAHO
WYOMING
MALAD
CACHE JCT.
PRESTON
KEMMERER
TREMONTON
DCMC THIOKOL CORINE
GREEN RIVER
CORRINE
BRIGHAM CITY
LUCIN
COBRE
DDD OGDEN
OGDEN
TOOELE AD (RAIL SHOPS)
EVANSTON
GRANGER
CLEARFIELD
LAYTON
HILL AFB
ECHO
RAWLEY
SALTAIR
GARFIELD
SLGW
SALT LAKE CITY
WENDOVER
SHAFTER
BHP
MIDVALE
DCMC HERCULES MAGMA
TOOELE AD
LARK
GENEVA
PROVO
SPRINGVILLE
TOOELE AD (SOUTH AREA)
SANTAQUIN
THISTLE
NV
CO
IRON KING
NEPHI
UTAH RAILWAY JCT.
CLEAR CREEK
SUNNYSIDE
LYNNDYL
MOHRLAND
MOUNDS
DELTA
THOMPSON
GARY
BLOOM
BRENDEL
GRAND JUNCTION
POTASH
MILFORD
UTAH
LUND
IRON SPRINGS
CALIENTE
IRON MOUNTAIN
CEDAR CITY
N
ARIZONA
NM
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration

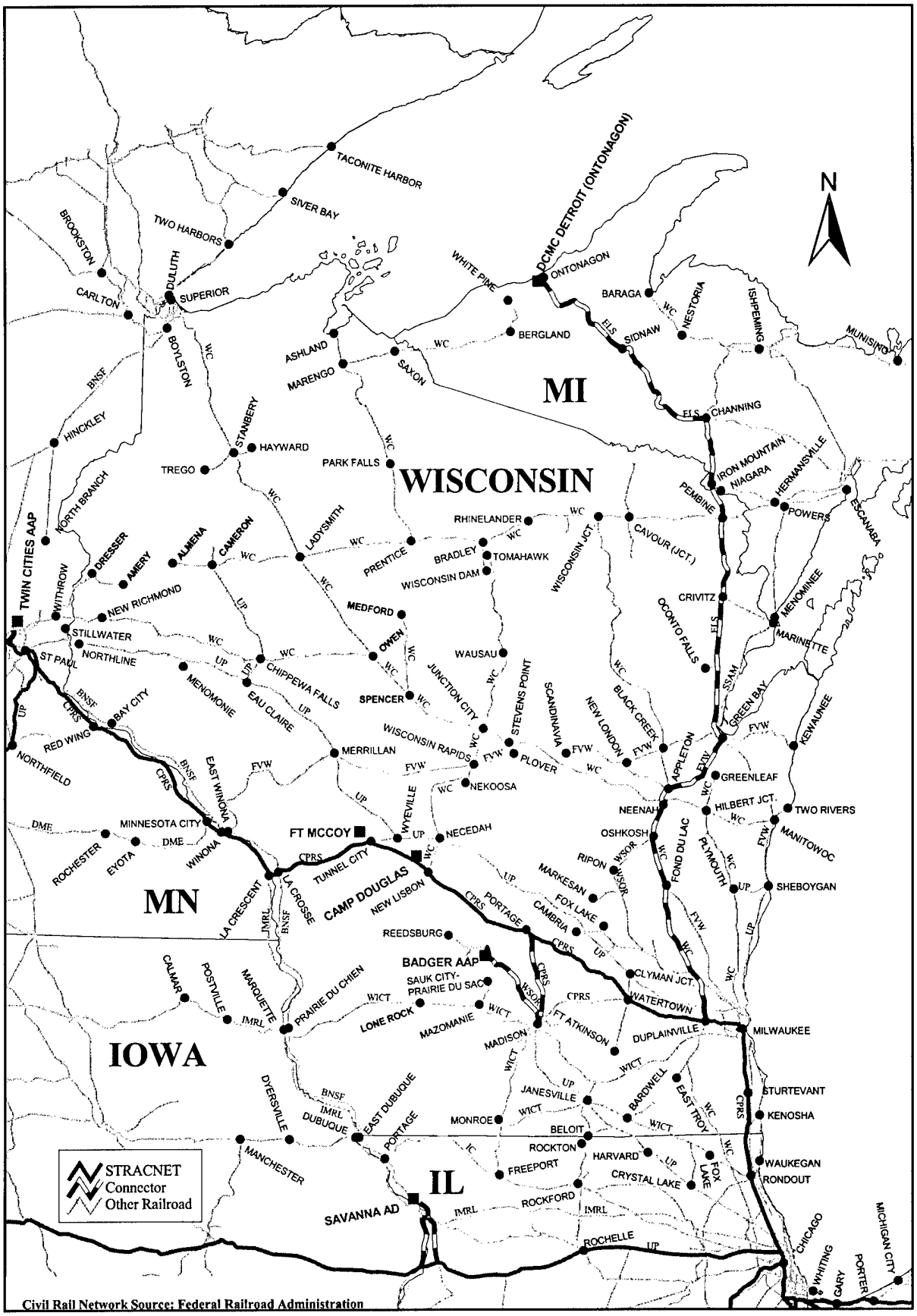

CANADA
MAINE
VERMONT
NEW HAMPSHIRE
MASSACHUSETTS
NY
MONTREAL
ST HYACINTHE
MEGANTIC
SHERBROOKE
ST JEAN
ADIRONDACK JCT.
BROOKPORT
LACOLLE
CANTIC
ROUSES POINT
EAST ALBURGH
RICHFORD
NEWPORT
NORTON
FONDA
ST ALBANS
COLUMBIA BRIDGE
ISLAND POND
NORTH STRATFORD
GROVETON
PLATTSBURGH
ESSEX JCT.
MORRISVILLE
LANCASTER
BERLIN
RUMFORD
BURLINGTON
ST JOHNSBURY
WHITEFIELD
SOUTH PARIS
MONTPELIER JCT
BARRE
WELLS RIVER
LINCOLN
MIDDLEBURY
FLORENCE
CASTLETON
WHITEHALL
RUTLAND
WHITE RIVER JCT.
LACONIA
OSSIPEE
WOLFEBORO
SANBORNVILLE
ROCHESTER
DOVER
ROLLINSFORD
WELLS BEACH
PORTSMOUTH NAVAL SHIPYARD
KITTERY
PORTSMOUTH
HAMPTON
ROCKINGHAM
CLAREMONT JCT.
CHARLESTOWN
CONCORD
MANCHESTER
BELLOWS FALLS
WHITE CREEK
BENNINGTON
HOOSICK
BRATTLEBORO
POWNAL
NORTH ADAMS
EAST NORTHFIELD
WILTON
MILFORD
NASHUA
SALEM
LAWRENCE
LOWELL
LOWELL JCT.
NORTH CHELMSFORD
AYER
WILMINGTON
N
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration



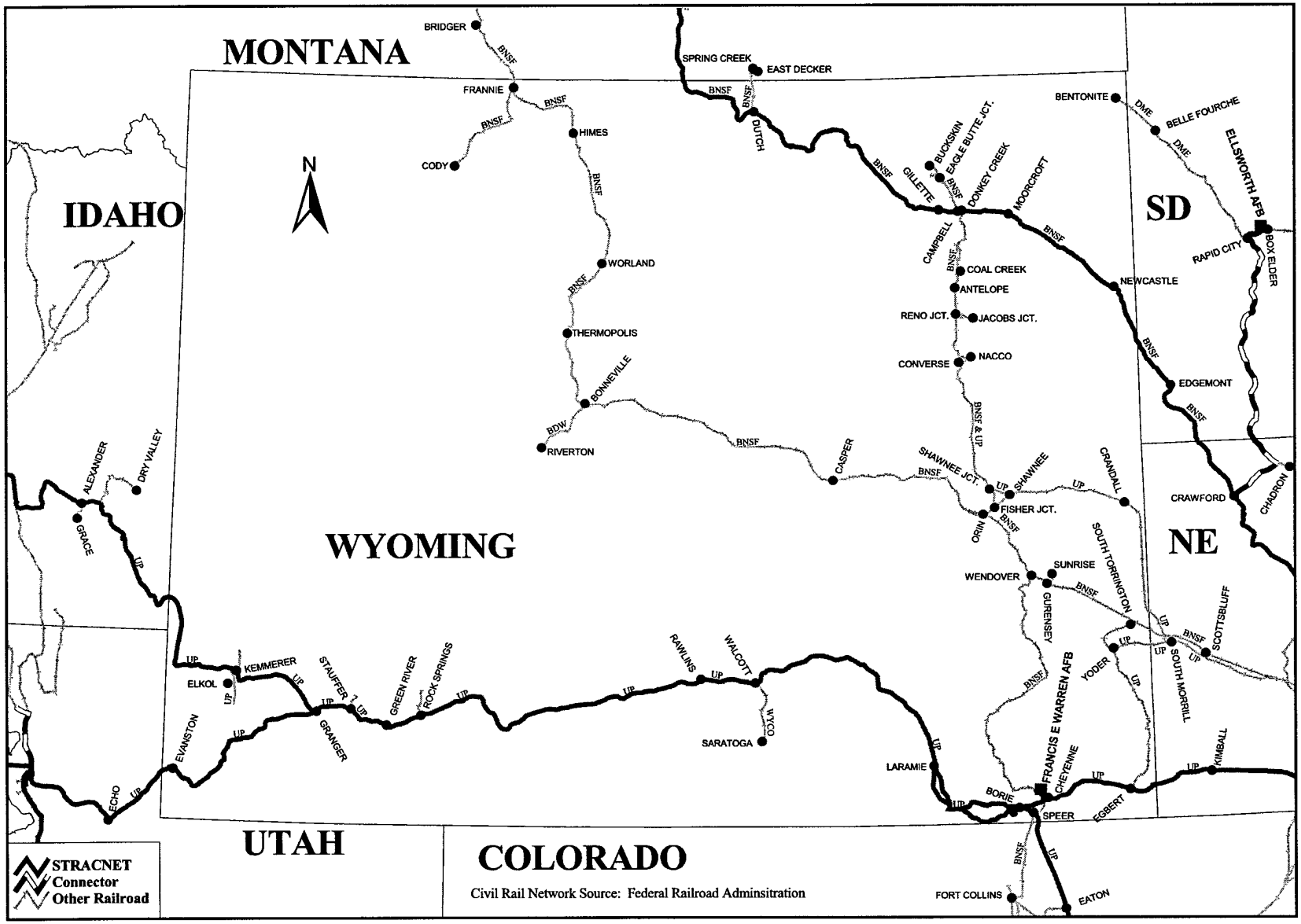
Civil Rail Network Source: Federal Railroad Administration


CANADA
WASHINGTON
OREGON
IDAHO
N
TO PRINCE GEORGE
SQUAMISH
COURTENAY
NANAIMO
VANCOUVER
NEW WESTMINSTER
MISSION CITY
CHILLIWACK
MUD BAY
BLAINE
SUMAS
CHERRY POINT
BELLINGHAM
TO ALASKA
VICTORIA
ANACORTES
SEDRO-WOOLLEY
BURLINGTON
ARLINGTON
EDGECOMB
EVERETT
SWF PACIFIC &
NSB BANGOR
NAVAL SHIPYARD
PUGET SOUND
(BREMERTON)
833 TRANS BN
DLMC BOEING SEATTLE
PORT OF TACOMA
SHELTON
ABERDEEN
HOQUIAM
MARKHAM
NISQUALLY
LAKEVIEW
MCCHORD AFB (OP)
FT LEWIS
ELMA
GATE
ROY
RAINIER
CENTRALIA
CHEHALIS
NATIONAL
PARK JCT
MORTON
LONGVIEW
OSTRANDER
ROCKY POINT
ASTORIA
PNWR
WOODLAND
SAINT HELENS
CHELATCHIE
POTB
VANCOUVER
PORTLAND
TILLAMOOK
TROUTDALE
HOOD RIVER
PARKDALE
THE DALLES
OR. T. JCT
BINGEN
LYLE
WISHRAM
ARLINGTON
ROOSEVELT
EASTON
CLE ELUM
ELLENSBURG
YAKIMA FIRING CENTER
NACHES
POMONA
YAKIMA
MOXEE CITY
WHITE SWAN
TSWR
HARRAH
TOPPENISH
GRANGER
WINTON
WENATCHEE
EPHRATA
MOSES LAKE
WHEELER
SCHRAG
CBRW
WARDEN
HANFORD WORKS
GIBBON
VISTA
PASCO
KENNEWICK
UMATILLA
HINKLE
PENDLETON
RIETH
PILOT ROCK
ELGIN
MILTON-FREEWATER
WESTON
WALLULA
WALLA WALLA
WALAIR
ATTALIA
AYER
RIPARIA
CONNELL
COULEE CITY
PCC
DAVENPORT
SPOKANE
CHENEY
MARSHALL
THORNTON
GARFIELD
WINONA
HOOPER
PULLMAN
WAWAWAI
LEWISTON
DAYTON
BLMR
ARROW
OROFINO
CSP
PALOUSE
CLARKIA
PLUMMER
STMA
FAIRFIELD
MANITO
COEUR D'ALENE
HAUSER
ATHOL
NEWPORT
DOVER
SAND POINT
BONNERS FERRY
EASTPORT
YAHK
FORT STEELE
NELSON
TRAIL
LAURIER
GRAND FORKS JCT
SAN POIL
KETTLE FALLS
METALINE FALLS
POVA
MRL
OROVILLE
JANIS
OMAK
CSCD
BNSF
UP
CPRS
CN
BCOL
STRACNET
Connectors
Other Railroads
Railroad Ferry
Civil Rail Network Source: Federal Railroad Administration


N
PENNSYLVANIA
OHIO
WEST VIRGINIA
MD
KY
VIRGINIA
COLUMBUS
BEAVER
YELLOW CREEK
STEUBENVILLE
MINGO JCT.
FOLLANSBEE
WHEELING
BELLAIRE
WAYNESBURG
HURON
PITTSBURGH
CONNELLSVILLE
BROOKLYN JCT.
MORGANTOWN
PARKERSBURG
CLARKSBURG
GRAFTON
TYGART JCT.
ELKINS
ROWLESBURG
W. VA. CENTRAL JCT.
KEYSER
STONY RIVER
PETERSBURG
HENRY
FROSTBURG
WESTERNPORT
CUMBERLAND
HYNDMAN
GREEN SPRING
HANCOCK
CHERRY RUN
HAGERSTOWN
CHAMBERSBURG
ROXBURY
MARTINSBURG
BERKLEY SPRINGS
WINCHESTER
GORE
SHENANDOAH JCT.
HARPERS FERRY
POINT OF ROCKS
CHARLES TOWN
STRASBURG JCT.
RIVERTON
EDINBURG
MOUNT JACKSON
HARRISONBURG
ELKTON
STAUNTON
WAYNESBORO
CHARLOTTESVILLE
CLIFTON FORGE
BUCHANAN
GLASGOW
LYNCHBURG
ROANOKE
ALTAVISTA
WALTON
KELLEYVILLE
BLUEFIELD
CEDAR BLUFF
POINT POINT
KANAUGA
RAVENSWOOD
IRONTON
HUNTINGTON
GUYANDOTTE
ASHLAND
CATLETTSBURG
GENOVA
EAST LYNN
LOUISA
BARBOURSVILLE
POINT PLEASANT
CHARLESTON
CLENDENNIN
HARTLAND
ST ALBANS
KENDALIA
RAVEN
CORNELIA
BOLAIR
RICHWOOD
BEECH MINE
HAMPTON JCT.
BURNSVILLE
ELK R.
ALLOY
GAULEY
LEE
CLEARCO
SETH
MADISON
BABER
LOGAN
LUNDALE
PRENTER
SUNDIAL
DAWKINS
NAUGATUCK
WHARNCLIFFE
GILBERT
CLINTON
SIMON
MULLENS
ELMORE
WELCH
IAEGER
THOMAS
SUSANNA
PREMIER
NORTH FORK
COAL RUN
BECKLEY
MEADOW CREEK
HINTON
WHITE SULPHUR SPRING
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Administration



Civil Rail Network Source: Federal Railroad Administration

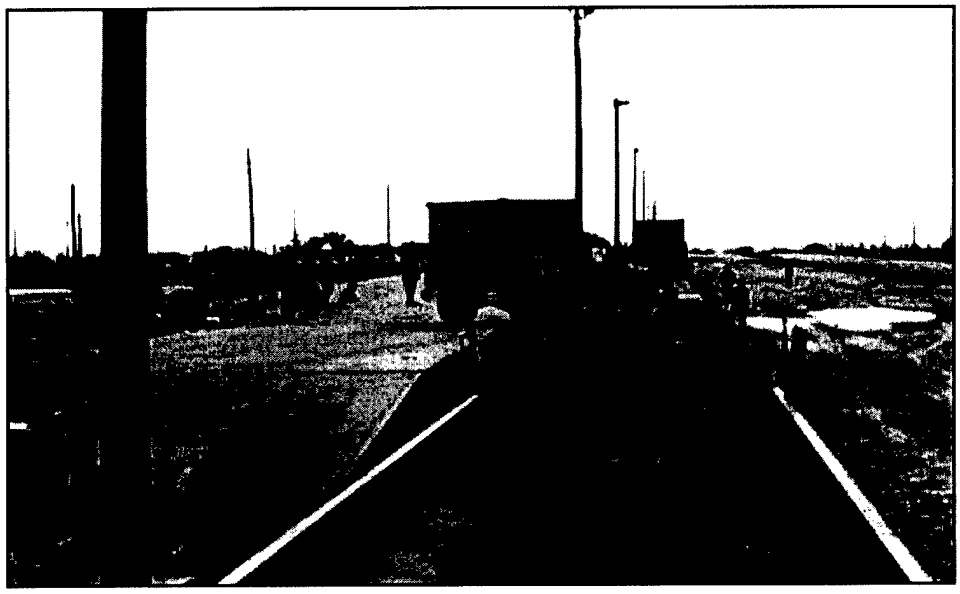

MONTANA
IDAHO
WYOMING
UTAH
COLORADO
SD
NE
N
BRIDGER
FRANNIE
CODY
HIMES
WORLAND
THERMOPOLIS
BONNEVILLE
RIVERTON
SPRING CREEK
EAST DECKER
DUTCH
BUCKSKIN
EAGLE BUTTE JCT.
GILLETTE
DONKEY CREEK
MOORCROFT
CAMPBELL
COAL CREEK
ANTELOPE
RENO JCT.
JACOBS JCT.
CONVERSE
NACCO
CASPER
SHAWNEE JCT.
SHAWNEE
CRANDALL
FISHER JCT.
ORIN
WENDOVER
SUNRISE
GURNSEY
SOUTH TORRINGTON
YODER
SCOTTSBLUFF
SOUTH MORRILL
KIMBALL
BENTONITE
BELLE FOURCHE
ELLSWORTH AFB
BOX ELDER
RAPID CITY
NEWCASTLE
EDGEMONT
CRAWFORD
CHADRON
ALEXANDER
DRY VALLEY
GRACE
KEMMERER
ELKOL
STAUFFER
GREEN RIVER
ROCK SPRINGS
RAWLINS
WALCOTT
WYCO
SARATOGA
LARAMIE
FRANCIS E WARREN AFB
CHEYENNE
BORIE
SPEER
EGBERT
FORT COLLINS
EATON
GRANGER
EVANSTON
ECHO
BNSF
UP
BDW
DME
STRACNET
Connector
Other Railroad
Civil Rail Network Source: Federal Railroad Adminsitration

APPENDIX B

DEPARTMENT OF DEFENSE INSTALLATIONS AND ACTIVITIES REQUIRING RAIL SERVICE

Appendix B supports Appendix A by identifying the railhead(s) used by each installation. Each of the four Services, as well as the Defense Logistics Agency (DLA), operates installations and activities where rail service is important to mission accomplishment either in peacetime or mobilization, or both. The Services and DLA have identified 171 installations and activities where rail service is important. These installations and activities are listed in the following table, by State. This list includes some installations in the transition of base realignment and closure. In some cases rail service is important to the realignment and closure process. A key to the installation abbreviations is shown at the end of this appendix. Questions on installation status may be referred to MTMCTEA.

Some installations, where rail service is required, are actually served by offpost railheads rather than tracks on the installations themselves. These installations are identified by the symbol "OP" for offpost railhead. However, most installations, where rail service is important, are served by tracks on the installation proper.



ACTIVITY	RAILHEAD
ALABAMA	
Anniston AD	Bynum
Fort McClellan	Fort McClellan
Fort Rucker	Daleville
Port of Mobile	Mobile
ALASKA	
DFSP, Anchorage	Anchorage
Eielson AFB	Eielson AFB
Elmendorf AFB	Anchorage
Fort Richardson	Fort Richardson
Fort Wainwright	Fort Wainwright
ARIZONA	
Camp Navajo	Bellemont
Davis-Monthan AFB	Wilmot
DCMC Hughes Tucson	Aldona
Fort Huachuca (OP)	Davis-Monthan
Yuma Proving Grounds	Blaisdell
ARKANSAS	
Fort Chaffee	Fort Chaffee
Pine Bluff Arsenal	Baldwin
CALIFORNIA	
596th Transportation Group	NWS, Concord
1312th Med Port Cmd	Long Beach
Beale AFB	Erle
Camp Roberts	McKay
DDD San Joaquin, Sharpe	Lathrop
DDD San Joaquin, Tracy	Lyoth
Edwards AFB	Edwards
Fort Irwin (OP)	Yermo/Barstow/Manix
Marine Corp Air Ground Combat Center, 29 Palms	Bagdad
Marine Corp Logistics Base, Barstow	Nebo/Yermo
MCAS Miramar	Miramar
MCAS, El Toro	Irvine

ACTIVITY	RAILHEAD
CALIFORNIA (continued)	
MCB, Camp Pendleton	Oceanside
NCBC, Port Hueneme	Port Hueneme
Naval Station and Port of San Diego	San Diego
NWC, China Lake (OP)	Spangler
NWS, Concord	Port Chicago
NWS, Seal Beach	Westminster
Port of Los Angeles	Los Angeles/Long Beach
Riverbank AAP	Riverbank
Sierra AD	Herlong
Vandenburg AFB	Tangair
COLORADO	
Fort Carson	Kelker
Pinion Canyon	Simpson
Rocky Mountain Arsenal	Ladora
CONNECTICUTT	
NSB, New London	New London
DELAWARE	
None	
FLORIDA	
Blount Island	Blount Island, Jacksonville
Camp Blanding	Starke
Naval Ordinance Test Unit	Jay Jay
GEORGIA	
DCMC Lockheed, Marietta	Lockair/Sears
Fort Benning	Sand Hill
Fort Gordon	Fort Gordon
Fort Stewart	Walthourville
Hunter AAF	Savannah
Marine Corps Logistics Base, Albany	Dosaga
NSB, Kings Bay	Kings Bay
NSO, (Trident Refit Fac)	Kings Bay
Port of Savannah	Savannah
SWF, Atlantic	Kings Bay

ACTIVITY	RAILHEAD
HAWAII	
None	
IDAHO	
Gowen Field (OP)	Gowen Field
ILLINOIS	
Rock Island Arsenal	Rock Island Arsenal
Savanna Army Depot Activity	Proving Ground
INDIANA	
Crane AAA	Crane
Indiana AAP	Charlestown
Naval Weapons Support Center, Crane	Crane
USPFO IN, Camp Atterbury	Edinburg
IOWA	
Iowa AAP	Middletown
KANSAS	
Fort Riley	Fort Riley
Kansas AAP	Parsons
KENTUCKY	
Blue Grass Army Depot	Fort Estill
Fort Campbell	Hopkinsville
Fort Knox	Fort Knox
LOUISIANA	
Fort Polk	Daube Jct
USPFO LA, Camp Beauregard	Pineville
MAINE	
Naval Shipyard, Portsmouth	Kittery
MARYLAND	
Aberdeen Proving Grounds	Aberdeen
Port of Baltimore	Baltimore
USPFO MD	Havre De Grace
MASSACHUSETTS	
Camp Edwards	North Falmouth
Otis AFB	North Falmouth

ACTIVITY	RAILHEAD
MICHIGAN	
Camp Grayling	Grayling
DCMC Detroit, Lake Shore Inc	Ontonagon
Detroit Arsenal Tank Plant	Warren
MINNESOTA	
Camp Ripley	Camp Ripley
Twin Cities AAP	New Brighton
MISSISSIPPI	
Camp Shelby	Camp Shelby
NCBC, Gulfport	NCBC, Gulfport
MISSOURI	
Fort Leonard Wood	Bundy Jct
Lake City AAP	Independence
USPFO MO	Jefferson City
MONTANA	
Malmstrom AFB	Falls Yard
NEBRASKA	
None	
NEVADA	
Hawthorne AD	Churchill/Thorne
NEW HAMPSHIRE	
Naval Shipyard, Portsmouth	Kittery, Me
NEW JERSEY	
600th Transportation Group	Bayonne
Fort Dix (OP)	Morrisville, PA
NWS, Earle	Earle
Port of New York/New Jersey	Elizabethport, NJ
NEW MEXICO	
Kirtland AFB	Albuquerque
White Sands Missile Range	Las Cruces
NEW YORK	
DCMC Syracuse, Lockheed Federal Systems	Owego
Fort Drum	Calcium
Seneca AD	Kendaia
Watervliet Arsenal	Watervliet

ACTIVITY	RAILHEAD
NORTH CAROLINA	
597th Transportation Group	Leland/Southport
DFSP, Selma	Selma
DFSP, Air Force Pipeline, Inc.	Goldsboro
Fort Bragg	Fort Junction, Fayetteville
MCAS, Cherry Point	Havelock
MCB, Camp Lejeune	Havelock
Pope AFB	Fort Junction, Fayetteville
Port of Morehead City	Morehead City
Port of Wilmington	Wilmington
NORTH DAKOTA	
Grand Forks AFB	Emerado
OHIO	
Camp Perry	Port Clinton
DCMC Dayton, Goodyear Tire/Rubber Co	St Mary's
DRMC General Dynamics, Lima, Ohio	Lima
Ravenna AAP	Atlas
OKLAHOMA	
Fort Sill	Fort Sill
McAlester AAP	Savanna
PENNSYLVANIA	
DCMC Pittsburgh, United Defense	Lemont Furnance
DCMC Pittsburgh, Westinghouse	Cheswick
Fort Indiantown Gap (OP)	Harrisburg
Letterkenny AD	Culbertson
NAVICP, Mechanicsburg	Mechanicsburg
Scranton AAP	Scranton
Tobyhanna Army Depot	West Tobyhanna
RHODE ISLAND	
None	
SOUTH CAROLINA	
595th Transportation Group	Charbulk
DFSP, Charleston	Charbulk
Fort Jackson (OP)	Reed

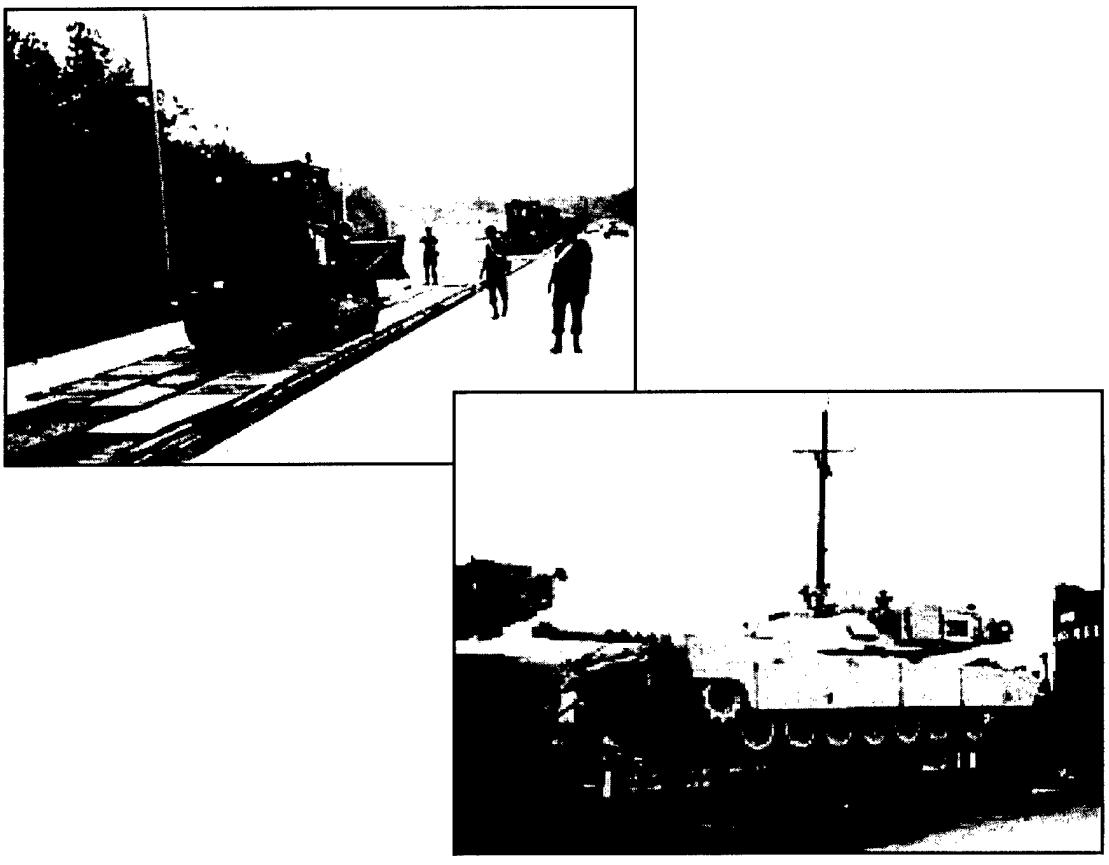
ACTIVITY	RAILHEAD
SOUTH CAROLINA (continued)	
NWS, Charleston	Inness
Shaw AFB	Cane Savannah
SWF, Atlantic Det Charleston	Inness
SOUTH DAKOTA	
Ellsworth AFB	Box Elder
TENNESSEE	
Arnold Air Force Station	Tullahoma
Holston AAP	Holston
Milan AAP	Milan
TEXAS	
Barbours Cut	Houston
Port of Beaumont	Beaumont
DCMC, Lockheed Martin Tactical Aircraft Sytems, Fort Worth	Benbrook
DCMC, Loral Vought, Dallas, Texas	Grand Prairie
Fort Bliss	El Paso
Fort Hood	Killeen
Lone Star AAP	Defense
Port of Corpus Christi	Corpus Christi
Port of Galveston	Galveston
Red River AD	Defense
UTAH	
DCMC, Hercules, Magna, UT	Bacchus
DCMC, Thiokol Corine	Corinne
Def Dist Depot Ogden	Ogden
Hill AFB	Hill AFB
Tooele AD	Warner
Tooele AD (Rail Shops)	Arsenal
Tooele AD (South Area)	Clover
VERMONT	
None	

ACTIVITY	RAILHEAD
VIRGINIA	
Fort Eustis	Lee Hall
Fort Lee	Petersburg
Fort Pickett	Blackstone
Marine Corps Development And Education Command	Quantico
Naval Amphibious Base, Little Creek	Little Creek
Naval Shipyard, Norfolk	Portsmouth
NWS, Yorktown	Lee Hall
Port of Newport News	Newport News
Port of Norfolk	Sewell's Point, Norfolk
Radford AAP	Cowan
WASHINGTON	
833rd Transportation Battalion	Seattle
DCMC Boeing, Seattle	Seattle
Fort Lewis	Fort Lewis
McChord AFB (OP)	Mobase
Naval Shipyard, Puget Sound	Shelton
NSB, Bangor	Shelton
Port of Tacoma	Tacoma
SWF, Pacific	Shelton
Yakima Firing Center	Pomona
WEST VIRGINIA	
None	
WISCONSIN	
Badger AAP	Baraboo
Fort McCoy	Fort McCoy
USPFO WI (Camp Douglas)	Camp Douglas
WYOMING	
F E Warren AFB	Warren AFB

ABBREVIATION KEY	
AAA	Army Ammunition Activity
AAP	Army Ammunition Plant
AD	Army Depot
AFB	Air Force Base
AFS	Air Force Station
DCMC	Defense Contract Management Command
DDD	Defense Distribution Depot
DFSP	Defense Fuel Supply Point
MCAS	Marine Corps Air Station
MCB	Marine Corp Base
NAB	Naval Amphibious Base
NAS	Naval Air Station
NAVICP	Naval Inventory Control Point
NCBC	Naval Construction Battalion Center
NSB	Naval Submarine Base
NSC	Naval Supply Center
NWC	Naval Weapons Center
NWS	Naval Weapons Station
OP	Offpost Railhead
SWF	Surface Warfare Facility
USPFO	United States Property and Fiscal Office

APPENDIX C

DEPARTMENT OF DEFENSE INSTALLATIONS AND ACTIVITIES REQUIRING RAIL SERVICE AND SERVED BY LOW DENSITY BRANCH LINES



ARMY	
Fort McClellan	AL
Fort Rucker	AL
Fort Wainwright	AK
Fort Chaffee	AR
Camp Blanding	FL
Gowen Field	ID
Rock Island Arsenal	IL
Crane AAA	IN
Indiana AAP	IN
USPFO LA, Camp Beauregard	LA
Camp Edwards	MA
Camp Grayling	MI
Detroit Arsenal Tank Plant	MI
Camp Ripley	MN
Twin Cities AAP	MN
Camp Shelby	MS
Hawthorne AD (OP)	NV
600th Transportation Group	NJ
Fort Drum	NY
Seneca AD	NY
Watervliet Arsenal	NY
597th Transportation Group	NC
Fort Bragg	NC
Port of Morehead City	NC
Scranton AAP	PA
595th Transportation Group	SC
Tooele AD (Rail Shops)	UT
Fort Lewis	WA
Yakima Firing Center	WA
Badger AAP	WI
Total 30	

NAVY	
NCBC, Port Hueneme	CA
NWC, China Lake (OP)	CA
NWS, Seal Beach	CA
NSB, New London	CT
NSB, Kings Bay	GA
NSO, (Trident Refit Facility)	GA
SWF, Atlantic	GA
Naval Weapons Support Center, Crane	IN
Naval Shipyard, Portsmouth	ME/NH
NCBC, Gulfport	MS
NWS, Earle	NJ
NAVICP, Mechanicsburg	PA
NWS, Charleston	SC
SWF, Atlantic Det Charleston	SC
Naval Amphibious Base, Little Creek	VA
Naval Shipyard, Puget Sound	WA
NSB, Bangor	WA
SWF, Pacific	WA
TOTAL 18	

AIR FORCE	
Eielson AFB	AK
Otis AFB	MA
Malmstrom AFB	MT
Pope AFB	NC
Ellsworth AFB	SD
Arnold Air Force Station	TN
Hill AFB	UT
McChord AFB (OP)	WA
TOTAL 8	

MARINE CORPS	
Blount Island	FL
Marine Corps Logistics Base, Albany	GA
MCAS, Cherry Point	NC
MCB, Camp Lejeune	NC
TOTAL 4	

DEFENSE LOGISTICS AGENCY	
DCMC Detroit, Lake Shore Inc.	MI
DFSP, Air Force Pipeline, Inc	NC
DCMC Dayton, Goodyear Tire/Rubber Co	OH
DRMC General Dynamics, Lima	OH
DCMC Pittsburgh, United Defense	PA
Tobyhanna Army Depot*	PA
DFSP, Charleston	SC
DCMC Hercules, Magna	UT
DCMC Thiokol, Corine	UT
DCMC Boeing, Seattle	WA
*Army installation; rail service is important to DLA tennant	
TOTAL 10	

ABBREVIATION KEY	
AAA	Army Ammunition Activity
AAP	Army Ammunition Plant
AD	Army Depot
AFB	Air Force Base
AFS	Air Force Station
DCMC	Defense Contract Management Command
DDD	Defense Distribution Depot
DFSP	Defense Fuel Supply Point
MCAS	Marine Corps Air Station
MCB	Marine Corp Base
NAB	Naval Amphibious Base
NAS	Naval Air Station
NAVICP	Naval Inventory Control Point
NCBC	Naval Construction Battalion Center
NSB	Naval Submarine Base
NSC	Naval Supply Center
NWC	Naval Weapons Center
NWS	Naval Weapons Station
OP	Offpost Railhead
SWF	Surface Warfare Facility
USPFO	United States Property and Fiscal Office