



**PC MILER**<sup>®</sup>  
Rail **20**



Technology Beyond Miles



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11. **Warranties:** ALK represents and warrants that:

A. For ninety (90) days from date of purchase, PC\*MILER, when delivered and properly installed, will function substantially according to its specifications on a computer purchased independently by you.

B. For ninety (90) days from date of purchase, the software media on which ALK provides PC\*MILER to you will function substantially free of errors and defects. ALK will replace defective media during the warranty period at no charge to you unless the defect is the result of accident, abuse, or misapplication of the product.

C. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITING THE GENERALITY OF THE FOREGOING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. THE PC\*MILER PROGRAM, DATA AND DOCUMENTATION IS SOLD "AS IS". IN



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12. Disclaimer: The data may contain inaccurate, incomplete or untimely information due to the passage of time, changing circumstances, sources used and the nature of collecting comprehensive geographic data, any of which may lead to incorrect results. PC\*MILER's suggested routings and traffic data are provided without a warranty of any kind. The user assumes full responsibility for any delay, expense, loss or damage that may occur as a result of their use. The user shall have no recourse against Canada, whether by way of any suit or action, for any loss, liability, damage or cost that may occur at any time, by reason of possession or use of Natural Resources Canada data.

13. Termination: This Agreement will terminate immediately upon any of the following events:

- A. If you seek an order for relief under the bankruptcy laws of the United States or similar laws of any other jurisdiction, or a composition with or assignment for the benefit of creditors, or dissolution or liquidation, or if proceedings under any bankruptcy or insolvency law are commenced against you and are not discharged within thirty (30) calendar days.
- B. If you materially breach any terms, conditions, use limitations, payment obligations, or any other terms of this Agreement.
- C. Upon expiration of any written supplemental license agreement between you and ALK of which this license is a part.

14. Obligations on Termination: Termination or expiration of this Agreement shall not be construed to release you from any obligations that existed prior to the date of such termination or expiration.

15. Hold Harmless and Indemnity: To the maximum extent permitted by applicable law, you agree:

- A. to hold harmless and indemnify ALK and its subsidiaries, affiliates, officers, agents, licensors, co-branders or other partners, and employees from and against any third party claim (other than a third party claim for Intellectual Property Rights) arising from or in any way related to your use of PC\*MILER, including any liability or expense arising from all claims, losses, damages (actual and/or consequential), suits,

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judgments, litigation costs and attorneys' fees, of every kind and nature. ALK shall use good faith efforts to provide you with written notice of such claim, suit or action; and

- B. to indemnify Canada and its officers, employees, agents and contractors from all claims alleging loss, costs, expenses, damages or injuries (including injuries resulting in death) arising out of your possession or use of Natural Resources Canada data.

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18. Limitations on Export: You hereby expressly agree not to export PC\*MILER, in whole or in part, or any data derived therefrom, in violation of any export laws or regulations of the United States.

19. Miscellaneous: This Agreement shall be construed and applied in accordance with the laws of the State of New Jersey. The Courts of the State of New Jersey shall be the exclusive forum for all actions or interpretation pertaining to this Agreement. Any amendments or addenda to this Agreement shall be in writing executed by all parties hereto. This is the entire Agreement between the parties and supersedes any prior or contemporaneous agreements or understandings. Should any provision of this Agreement be found to be illegal or unenforceable, then only so much of this Agreement as shall be illegal or unenforceable shall be stricken and the balance of this Agreement shall remain in full force and effect.



Welcome to ALK's PC\*MILER®|Rail! By purchasing PC\*MILER|Rail, you have invested in a high-quality, user-friendly software package for determining railroad routes and mileage.

Before you go any further, please read the license agreement beginning on page i. It explains ALK's copyrights as well as the terms of your agreement with ALK Technologies to license the use of PC\*MILER|Rail software. Unless you have a multi-user license, this copy of PC\*MILER|Rail may only be installed on one single-user personal computer at a time.

We advise you to make one backup copy of the software in case you need it, but **DO NOT MAKE ANY ADDITIONAL COPIES OF THE CD-ROMS OR THIS DOCUMENTATION. UNLESS YOU HAVE A MULTI-USER LICENSE, INSTALLATION OF PC\*MILER|Rail ON MORE THAN ONE MACHINE IS A VIOLATION OF THE LICENSE AGREEMENT THAT YOU ACCEPTED UPON OPENING OR USING THE PC\*MILER|Rail PROGRAM CD-ROMS.** Violating the license agreement is against the law, and ALK Technologies, Inc. will take proper legal action against any illegal use of the PC\*MILER|Rail software.

## 1.1 What Is PC\*MILER|Rail?

PC\*MILER|Rail is point-to-point rail routing and mileage software. Its powerful North American rail network contains over **240,000 miles of rail line, 49,678 active freight stations, 765 rail carriers, and 4085 unique junction interchanges.** PC\*MILER|Rail provides rail routes and mileage for rate determination and negotiation, equipment management, rail car mileage auditing, and carrier selection.

Through ALK's close working relationship with all major railroads, PC\*MILER|Rail features the industry-leading electronic representation of current North American railroad routes and mileage. **For over 30 years, ALK's railroad database has proven to be an accurate source for determining the routes and mileage used in processing the U.S. Surface Transportation Board's Carload Waybill Sample.** It has also been used in numerous traffic diversion studies and in a variety of costing applications. ALK's railroad database is widely used by virtually all major railroads and rail car lessors.

PC\*MILER|Rail generates routes and determines mileage between any two rail-served locations in North America. Each location can be identified by station name and state abbreviation or by commonly used geographic codes. With

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PC\*MILER|Rail you can quickly calculate the Shortest route (least distance) and/or the Practical route (based on historical operations) between any two points. You may specify interline junctions or let PC\*MILER|Rail choose junctions by weighing location versus gateway importance. A new Fuel Surcharge routing option is provided to accommodate the recent Surface Transportation Board ruling on mileage-based fuel surcharge calculations. Routings for Intermodal, Coal/Bulk and multi-level Auto Rack trains are also included.

PC\*MILER|Rail can also be used in conjunction with ALK's PC\*MILER|Rail-Connect to generate mileages from within Microsoft® Excel®, display "pin maps" for integrated real time mapping, and provide seamless integration with other Windows-based transportation and logistics software. An optional batch processing module, PC\*MILER|Rail-BatchPro, enables quick processing and summarizing of large volumes of car location messages (CLM's), SPLC codes or origin-destination pairs.

## 1.2 Additional PC\*MILER|Rail Solutions

**PC\*MILER|Rail** can be used on its own as a standalone product, or in conjunction with the following connectivity and batch processing applications:

**PC\*MILER|Rail-Connect** seamlessly interfaces PC\*MILER|Rail routes, mileages and reports with transportation management software systems and third-party software. Within other software applications, users can calculate PC\*MILER|Rail mileage for an origin/destination pair of locations with intermediate stop-off points, display maps, run state-by-state mileage breakdowns and generate detailed station reports. It also allows access to mileage and mapping information from within Microsoft® Excel®.

**PC\*MILER|Rail-BatchPro** enables users to quickly summarize empty, loaded, and total mileages by equipment ID, railroad, or state and province for a large number of rail movements. Large volumes of origin/destination locations can be processed using a variety of geographic codes (identifiers) including station name/state abbreviation, SPLC, FSAC, ERPC (3-3-3) and R260.

**PC\*MILER|Rail-TCP/IP** provides an interface to PC\*MILER|Rail-Connect trip calculation functions on Windows personal computers from any other computer platform over a TCP/IP network.

**PC\*MILER|Rail Stations Geocode Files** include a complete list of all PC\*MILER|Rail freight stations by serving carrier and contains Station Name/ST, SPLC, FSAC, 3-3-3, and R260 code information. There are two versions of this file: one with latitude/longitude information and one without.

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## 1.3 Recent New Features and Enhancements

New features and enhancements in PC\*MILER|Rail 20 include:

- **NEW!... Option to Change the Map Dataset.** The PC\*MILER|Rail industry-standard rail network database is updated annually to include the most current data available for each version release, and three additional updates to the base data are provided throughout the year. In previous versions, when users downloaded an update, the download process would overwrite their previous dataset with the new data. Beginning in Version 20, each update is downloaded to a separate folder and users can choose which dataset to use at any time. The active dataset will always be displayed in the title bar of the application window, for example “PC\*MILER|Rail 20.0\_Base”. See section 5.12.
- **NEW!... Option to Disable “Check For Updates”.** The “Check For Updates” feature in the Help menu searches via the internet for any available updates that have not been installed to your version of PC\*MILER|Rail. This functionality can now be disabled by changing a line in the pcrwin.ini file that resides in your PC\*MILER|Rail installation folder. See section 2.13.
- **NEW!... Option to Save Window Position on Exit.** A new option in the Windows menu, when selected, saves the position of the PC\*MILER|Rail application window on exit. See section 3.7.
- **ENHANCED!... Up-to-Date Rail Network Data Reflects the Latest Changes in the Industry.** The PC\*MILER|Rail industry-standard rail network database is updated annually to include the most current data available. Throughout the year, ALK Technologies’ team of network editors and Geographic Information System (GIS) specialists gathers new data and incorporates customer feedback. Version 20 data updates include the following additions and deletions:
  - Over **240,000 total miles of rail line**
  - **49,678 active freight stations**, including 245 new stations since Version 19.0
  - **765 rail carriers**, including a total of 24 new carriers since Version 19.0 (listed below) with 5 new carriers added since v19.3 (bolded below):

New Rail Carriers Added in Version 20		
RRN	SCAC	RAILROAD NAME
15	MAUP	MANATEE COUNTY PORT AUTHORITY
37	SC	SANTA CRUZ AND MONTEREY BAY RAILWAY COMPANY
41	AWRY	ADAMS WARNOCK RAILWAY, INC.
58	KGTR	KINGMAN TERMINAL RAILROAD, LLC
<b>140</b>	<b>BTR</b>	<b>BOUNDARY TRAIL RAILWAY COMPANY INC.</b>

148	CHB	CLEVELAND HARBOR BELT RAILROAD, LLC
164	AIKR	AIKEN RAILWAY COMPANY, LLC
<b>167</b>	<b>CLCY</b>	<b>CHESSIE LOGISTICS CO., LLC</b>
181	TLE	MIDWEST RAIL, LLC DBA TOLEDO, LAKE ERIE AND WESTERN RAILWAY
<b>206</b>	<b>BDR</b>	<b>MCM RAIL SERVICES, LLC D/B/A BALTIMORE INDUSTRIAL RAILROAD</b>
215	CPR	CATERPARROTT RAILNET, LLC
275	LCRI	LONG CREEK RAILROAD COMPANY INC
338	MAN	MANNING RAIL, INC
348	NFTS	THE NELSON AND FT. SHEPPARD RAILWAY CORPORATION
363	LLR	LAKE LINE RAILROAD INC.
422	RPP	RUSK, PALESTINE, & PACIFIC RAILROAD, LLC
483	BHR	BROOKHAVEN RAIL, LLC
<b>527</b>	<b>RVT</b>	<b>ROGUE VALLEY TERMINAL RAILROAD CORPORATION</b>
<b>573</b>	<b>TRV</b>	<b>TORCH RIVER RAIL INC.</b>
581	CCH	COLUMBUS & CHATTAHOOCHEE RAILROAD, INC
596	SAC	SAN ANTONIO CENTRAL RAILROAD, LLC
662	LVSU	LONGVIEW SWITCHING COMPANY
836	HTR	HEART OF TEXAS RAILROAD, LP
988	OHIO	OHIO TERMINAL RAILWAY COMPANY

- **4,085 unique junction interchanges**
- **Updated station locations**

**B**efore installing PC\*MILER|Rail, please make sure that you have the required hardware and software configuration.

**NOTE:** PC\*MILER|Rail is a standalone product. The underlying data that the application uses is installed along with the product. The data is stored in binary format that only the product can read. No other database application is required to run PC\*MILER|Rail.

## 2.1 System Requirements

- Environment:**
- Stand-alone or networked personal computers (LANs and Server/Thin Client Networks)
- Platforms:**
- PC/LAN Windows® (2003, Vista, XP, Server 2008 and Windows 7, includes 64-bit support running in 32-bit compatibility mode) **NOTE:** Windows 95, Windows 98 and Windows 2000 will not be supported. We are strongly recommending that you upgrade your operating system.
  - Citrix Metaframe and Windows Terminal Services
  - TCP/IP functionality for use with other platforms
- Requirements:**
- PC with a minimum 700 MHz processor (1-2 GHz recommended)
  - 60 MB hard disk space and 512 MB of RAM

**For PC\*MILER|Rail-Connect:**

- Additional 10 MB hard disk space
- Microsoft Excel
- A development system for the PC\*MILER|Connect interface. (Interface definitions for Borland C++ 4.0 and Visual Basic 3.0 are currently supported, although many other systems can also utilize the DLL.)

These additional components will also be installed:

- Microsoft Visual C++ 2005 Redistributable Package (x86) - Disk space 6 MB
- WindowsInstaller-KB884016-v2-x86.exe (x86) – Disk

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space 2 MB

- .NET dotnetfx.exe (x86) – Disk space 280 MB

**For PC\*MILER|Rail-BatchPro:**

- Additional 5 MB hard disk space

**For PC\*MILER|Rail-TCP/IP:**

- Additional 2 MB hard disk space
- PC with 1.5-2 GHz processor and TCP/IP capability
- UNIX or other host with TCP/IP capability
- Physical connection (cable)
- Client software on the UNIX or other host (sample PERL application provided)

**Other Requirements:**

- CD/DVD Drive
- Screen Resolution 800x600
- Color Quality Settings Supported: 16-bit and 32-bit (8-bit not supported)
- Internet Connection for License Activation (manual license activation also available)
- Email Address for License Activation (manual license activation also available)

**Microsoft Windows Update Requirements**

The following service pack updates are required for Windows users. You can access these updates by regularly using the Windows Update feature or by going directly to Microsoft's website. The following requirements are the **minimum level** of maintenance needed to run PC\*MILER.

- Windows XP Service Pack 2
- Windows Server 2003 Service Pack 1

## 2.2 General Licensing Information

### Single-User License

A single-user license can be installed to only **one** PC locally.

### Additional Copy License

Users can install PC\*MILER|Rail locally onto additional PC's by purchasing additional copy licenses. If you purchase five copy licenses, you can install PC\*MILER|Rail locally onto five additional PC's or workstations. If you are installing onto a desktop PC and a laptop, two licenses are needed.



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### **Multi-User License**

A multi-user license can be installed to a server environment, on the computer that will be sharing the licenses to other computers. It allows “x” number of concurrent workstation connections to PC\*MILER|Rail at a time. For example, a 5-User License allows PC\*MILER|Rail to be installed on a central server or PC with as many workstation PCs as you want to have access, but it only allows five users to access PC\*MILER|Rail at a time.

### **Enterprise License**

An Enterprise License allows you to install PC\*MILER|Rail on any combination of end-user PCs or workstations without limitations. It’s a cost-effective installation and licensing solution for larger enterprises with several users. It does not require license activation but requires signing an enterprise supplemental license agreement directly with ALK.

## **2.3 Installation Types**

### **Non-Network (Local) Installations**

A non-network installation allows you to install PC\*MILER|Rail to a PC or workstation locally, not onto a server environment to be shared with other computers.

### **Network Installation**

A networked installation allows you to install PC\*MILER|Rail on network file servers where each end-user can save their own option settings or can share option settings that are stored on the server.

### **Citrix/Terminal Services Installation**

PC\*MILER|Rail can be installed onto a Citrix Server or Terminal Services environment, if you have purchased a license to do so. Each end-user must have a license to gain access.

### **Trial Installation**

A trial installation is a 15-day license to access PC\*MILER|Rail features and data.

## **2.4 Important Notes**

### **PC\*MILER|Rail Interfaces**

For those who are interfacing any PC\*MILER|Rail component to a third-party system, please contact the vendor directly to make sure that the interface to this new version of PC\*MILER|Rail is updated and complete before you install.

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### Website Support Center

Please check ALK's Website Support Center for posted updates and patches. Go to [www.alk.com/support](http://www.alk.com/support).

### Microsoft Vista and Windows 7 Users

Your license must be installed and activated using an Administrator Account. Once installed, you do not need to "Run as an Administrator" provided you install to the recommended default directory or to another directory that doesn't require users to "Run as an Administrator".

### Data Execution Prevention (DEP) Setting

On some versions of Windows, DEP might close PC\*MILER|Rail without any type of error message. If that happens, do the following: open the Windows Start menu and go to Settings > Control Panel > System and Security > System > Advanced System Settings > Advanced tab > Performance Setting > Data Execution Prevention tab. Select "Turn on DEP for essential Windows programs and services only".

## 2.5 Single User Installation

**NOTE:** Have your Product Key Code on hand before beginning the installation process. It will be emailed to you from [alkservices@alk.com](mailto:alkservices@alk.com) in an email titled, "PC\*MILER Software Order..." (Enterprise License customers excluded, see note in Step 4 below). "Single" will be included in the above Product Key email signifying that you have purchased a single-user license. If this is not listed, please contact a PC\*MILER Sales Representative to purchase the correct license.

BEFORE INSTALLING, please double-check that the emailed Product Key Code(s) lists all purchased components. For example, the code shown below unlocks the following components: PC\*MILER|Rail, PC\*MILER|Rail-Connect, and PC\*MILER|Rail-BatchPro.

Order #: SO-000000001

Product Order #: PC\*MILER|Rail 20

Date: 9/16/2013 10:33 AM

Product Key Code: 3QYKJ-V2KJ7-KJ2F5-82KJ2-KJ2F2

== PC\*MILER|Rail 20 (Single), BatchPro, Connect

**UNINSTALLING AN OLDER VERSION:** If you need to uninstall a previous version of PC\*MILER|Rail on the computer that you are now installing to, you must uninstall the previous version before installing PC\*MILER|Rail 20. If you do not need to uninstall, it is possible to have both versions of the desktop program installed on the same system. Please note that PC\*MILER|Rail-Connect will be updated to the new version.

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To install your single-user version of PC\*MILER|Rail, follow these steps:

1. First start Windows, then place the **PC\*MILER|Rail Install DVD** into your CD/DVD drive and the installation will start automatically. If it does not start automatically, click on the Windows **Start** menu, select **Run...** then type: “**d:\setup.exe**” and click **OK**. (If your CD/DVD drive is not your D drive, substitute the letter that designates your CD/DVD drive.)

**IMPORTANT NOTE for Windows 7 Users:** You will need to install PC\*MILER|Rail as an administrator. If you are not the designated administrator on your computer, you will receive a warning message. Once the application is installed, you won't have to “Run as an Administrator” to use it provided you install to the default directory or to another directory that does not require the user to be an administrator.

To install as an administrator, cancel the installation if necessary (click **Cancel** and then **Finish**) and then follow these steps: 1) Open Windows Explorer and navigate to the installation folder on your CD/DVD drive (for example, D:\Rail\_20\_0); 2) Right-click on the **setup.exe** file in the installation folder and select “Run as administrator”; 3) If the install doesn't begin automatically, double-click on the **setup.exe** file to start the installation process again.

2. A **Welcome** screen will open initializing the installation. Click **Next** to review the terms and conditions of the End-User License Agreement. To continue installing, you must accept the terms of the license agreement by clicking the **Yes** button. If **No** is selected, the setup will not continue.
3. When prompted, enter your **User Name** and **Company Name**. Click **Next** to continue.
4. Enter your **Product Key Code**. This 25-character code will be emailed to you from [alkservices@alk.com](mailto:alkservices@alk.com) in an email titled, “PC\*MILER Software Order...” The code can be copied and pasted. If typing the Product Key Code, dashes are not required – dashes, spaces, or no spaces are all acceptable. Click **Next** when finished.

**NOTE:** As a convenience to our Enterprise License customers, your Product Key Code is hard-coded into the installation for you and is valid for each install.

5. **Step 5A:**

Next, the **Select Features** dialog box will open listing the PC\*MILER|Rail Solutions that were purchased. By default, the products that were purchased should already be checked. Clear the checks next to any components that you don't want to install.

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**NOTE:** If you have a Multi-User Product Key Code and need to perform a Single-User install, please contact PC\*MILER Sales to purchase the correct license.

**Step 5B:**

Below the list of products in the **Select Features** dialog box, you will see the **Destination Folder** that defines where all components will be installed. To install to the default directory (recommended), do not make any changes and click **Next**.

To install to a location other than the default, click **Browse** to select another folder. Be sure to add "**Perwin20**" to the end of the new path. For example: C:\Apps\PCRWin20. If you don't, PC\*MILER|Rail will install to the root of the specified directory. Click **Next** when finished.

6. Next, a dialog box will open titled **Start Copying Files**, listing the installation settings that will be used to copy files onto the workstation. To change any setting, select **Back**. If you are satisfied with the settings, click **Next** to continue.

If you have a previous version of PC\*MILER|Rail-Connect installed, an alert will appear on the screen with the following message: "The install found a previous version of Connect. These files will be renamed with a .bak extension." If both products were previously installed on the computer you are now installing to, two dialog boxes will open. Click **OK** in the dialog box(es) to continue.

7. Follow through with the rest of the installation. This may take some time depending on the speed of the computer you are installing to. **Do not exit or reboot the computer during the installation.** If any error messages appear, please contact Technical Support.
8. When the installation is complete, you will be prompted to **view the ReadMe.txt** and to **activate your license**. Leave these boxes checked and click **Finish** to proceed. When the ReadMe opens, review the information presented, and then close the window when finished.

**NOTE:** ALK provides a 15-day temporary license prior to completing the activation process. If you make a second attempt to install on the same computer, you will lose this 15-day temporary license. If you experience an activation error and need access to PC\*MILER|Rail before Technical Support is available, please do not attempt a second install without assistance.

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## 9. License Activation:

**If you are an Enterprise License Customer**, you can bypass the next license activation steps of the install (Steps 10 and 11) because you are already activated and registered with ALK. To continue, answer **No** in the License Status window, then click the arrow next to **Continue** in the right hand column to complete the installation. Proceed to Step 12.

**If you are not an Enterprise License Customer**, the **License Status Screen** will open to activate your license. If the computer you are installing to has an Internet connection and you have a valid email address, the license activation process will automatically initiate. In the **License Status Window**, click on the arrow next to **Activate** in the right hand column to begin the Automatic Desktop Activation. Review the information on the screen then click **Next** to continue. Internet license activation is available 24 hours a day.

**NOTE:** If you don't have an active Internet connection or email address, please contact Technical Support during business hours for assistance.

10. When prompted, enter your **email address**. Click **Next** to continue.
11. When the activation process is complete, a message on the screen will say "License Activated Successfully". Click **Finish** to continue. When the License Status window reopens, verify that the **License Status** in the left-hand column says **Licensed**. Click the arrow next to **Continue** in the right-hand column to complete the activation process.

If you activated your license using Automatic Desktop Activation, an email titled, "PC\*MILER|Rail 20 Activation Code for Product XXXXX..." will be sent to the email used in Step 10 from [alkservices@alk.com](mailto:alkservices@alk.com). If you activated your license automatically and LICENSED is in the Status field of the License Status Window, no further action is necessary with the activation code listed in the email. If LICENSED is NOT in the Status field of the **License Status Window**, please activate your license with the new activation code listed in the email. To do so, click **Activate**, then check the **Activate Manually box** and click **Next**. In the Enter Activation Code field, enter in the activation code from the email.

12. To start PC\*MILER|Rail once the installation is complete, click the **PC\*MILER|Rail icon** on your desktop or click the Windows **Start** button and select **All Programs** (or the equivalent in your version of Windows) > **PCMILER Rail 20** > **PCMILER Rail 20** or the PC\*MILER|Rail Solution you installed.

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## 2.6 Multi-User Network Installation

**NOTE:** Have your Product Key Code on hand before beginning the installation process. It will be emailed to you from [alkservices@alk.com](mailto:alkservices@alk.com) in an email titled “PC\*MILER Software Order...” (Enterprise License customers excluded, see note in Step 5 below.) “(X-User)” will be included in the Product Key email, signifying that you have purchased a multi-user license. If this is not listed, please contact a PC\*MILER Sales Representative to purchase the correct license.

BEFORE INSTALLING, please double-check that the emailed Product Key Code(s) lists all purchased components. For example, the code shown below unlocks these components: PC\*MILER|Rail and PC\*MILER|Rail-Connect.

Order #: SO-000000001

Product Order #: PC\*MILER|Rail 20

Date: 9/16/2013 10:33 AM

Product Key Code: 3QYKJ-V2KJ7-KJ2F5-82KJ2-KJ2F2

== PC\*MILER|Rail (XX-User), Connect

### **ADDITIONAL NOTES:**

- You have two options for launching the installation (setup.exe): 1) You can do a ‘From Console’ installation, running the setup.exe directly on the server’s console or from a simulated console session like Remote Desktop; or 2) You can do a ‘From Workstation’ installation, running the setup.exe on a workstation connected to the server and redirecting the installation to install PC\*MILER|Rail 20 onto your server.
- There is an activation requirement that you share the top level of the PC\*MILER|Rail Installation (‘Pcrwin20’ folder) with full control for all users. After activation, you minimally need to grant read/write permissions to all network users.
- If you need to uninstall a previous version of PC\*MILER|Rail on the computer that you are now installing to, you must uninstall the previous version before installing PC\*MILER|Rail 20. If you do not need to uninstall, it is possible to have both versions of the desktop program installed on the same system. Please note that PC\*MILER|Rail-Connect will be updated to the new version.

To install PC\*MILER|Rail 20 on a network, follow these steps:

1. First start Windows and create a new folder on the server called Pcrwin20. Right-click on this folder and select **Properties** > **Sharing**, then click **Permissions** and give **Full Control** to everyone. (If full control is an issue, you can reduce your selection to **Change** and **Read** after activating your installation). Click **Apply**, then **OK** to continue

**NOTE:** Mapped drives are NOT recommended!



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**NOTE Also:** Common mistakes that will lead to a license activation failure are: 1) Not sharing the 'Pcrwin20' folder with full control for all users (Step 1 above); and 2) Not directing the installation to this shared 'Pcrwin20' folder in step 6B below. For example, during a 'From Console' or a 'From Workstation' install, if you create and share the folder E:\Apps\Pcrwin20 on your server, you must change the **Destination Folder** from C:\Alk Technologies\Pcrwin20 to E:\Apps\Pcrwin20 or \\Server\pcrwin20 during step 6B below.

2. Place the **PC\*MILER Install DVD** into the CD/DVD drive and the installation will start automatically. If it does not start automatically, click on the Windows **Start** menu, select **Run...** then type: "d:\setup.exe" and click **OK**. (If your CD/DVD is not the D drive, substitute the letter that designates your CD/DVD drive.)

**IMPORTANT NOTE for Windows 7 Users:** You will need to install PC\*MILER|Rail as an administrator. If you are not the designated administrator on your computer, you will receive a warning message. Once the application is installed, you won't have to "Run as an Administrator" to use it provided you install to the default directory or to another directory that does not require the user to be an administrator.

To install as an administrator, cancel the installation if necessary (click **Cancel** and then **Finish**) and then follow these steps: 1) Open Windows Explorer and navigate to the installation folder on your CD/DVD drive (for example, D:\Rail\_20\_0); 2) Right-click on the **setup.exe** file in the installation folder and select "Run as administrator"; 3) Now double-click on the **setup.exe** file to start the installation process again. Depending on permission settings, these steps may need to be performed on workstations as well.

3. A **Welcome** screen will open initializing the installation. Click **Next** to review the terms and conditions of the End-User License Agreement. To continue installing, you must accept the terms of the license agreement by clicking the **Yes** button. If **No** is selected, the setup will not continue.
4. When prompted, enter a **User Name** and **Company Name** and click **Next**.
5. Enter your **Product Key Code**.\* This 25-character code will be emailed from [alkservices@alk.com](mailto:alkservices@alk.com) in an email titled "PC\*MILER Software Order..." The code can be copied and pasted. If typing the Product Key Code, dashes are not required – dashes, spaces, or no spaces are all acceptable. Click **Next** when ready.

\***NOTE:** As a convenience to Enterprise License customers, the Product Key Code is hard-coded into the installation for you and is valid for each install.

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## 6. **STEP 6A.**

Next, the **Select Components** dialog box will open listing the PC\*MILER Solutions that were purchased. By default, products that were purchased should already be checked. Clear the checks next to any components that you do not want to install.

**NOTE:** If you are not able to maximize the installation window once minimized, go to the Task Manager to do so. Open the Task Manager, go to the Applications tab, select the PC\*MILER Install in the list, and click the **Switch To** button to maximize the install again.

**NOTE:** For Non-Enterprise users, if you uncheck Multi-User in the list of components, it will not be possible for you to activate your install without contacting Technical Support.

## **STEP 6B.**

Below the list of products in the **Select Features dialog box** you will see the **Destination Folder** that defines where all components will be installed. Click **Browse** to select the newly created shared directory (...\**Pcrwin20**) that you created in Step 1. **If you skipped Step 1, you MUST minimize the install and share your destination folder, giving Full Control for all users.** Click **Next** to continue.

7. An additional screen will open verifying the install location. Please verify that the **newly created shared directory on the server** has been chosen. To change any setting, select **Back**. If you are satisfied with the settings, click **Next** to continue.

If you have chosen to install to the default directory, a dialog box will appear asking you to confirm this location. Please make sure this folder is **shared with full access rights** to each workstation. Otherwise, click **No** and change the install destination.

**NOTE:** Full access rights must be applied to the default directory.

8. Next, a dialog box will open titled **Start Copying Files**, listing the installation settings that will be used to copy files onto the workstation. To change any setting, select **Back**. If you are satisfied with the settings, click **Next** to continue.

If you have a previous version of PC\*MILER|Rail-Connect installed, an alert will appear on the screen with the following message: “The install found a previous version of Connect. These files will be renamed with a .bak extension.” If both products were previously installed on the computer you are now installing to, two dialog boxes will open. Click **OK** in the alert window(s) to continue.

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- Next, a dialog box will open prompting you to enter the “UNC Path To Your Server”. If you know the name of your server, type in `\\ServerName\Pcrwin20\` where “Pcrwin20” is the Share name from Step 1 or 6 above (trailing backslash is required) - **then skip to Step 11**. If you do NOT know the name of your server and cannot enter it, leave the UNC Path box blank and click **Next**.

**TIP:** To determine the server name, right mouse click the My Computer icon and choose “Properties” from the menu that pops up (or left click Start > Settings > Control Panel > System), then click the Computer Name tab. Copy the value up to but not including the first period (.) in the name if the name contains periods. For “From Console” installations, it’s best to do a copy/paste to avoid typos.

- In the next screen you will be asked if you are installing “Remotely from Workstation” or “Directly on Server”. Choose “Remotely from Workstation” if you are on a PC that is connected to your server. Choose “Directly on Server” if you are installing from the Server’s Console or a simulated Console Session like a Remote Desktop. Click **Next** after making your choice.

**NOTE:** For the “Remotely from Workstation” installation you will only need to click OK in the UNC Path Screen that pops up.

**IMPORTANT NOTE:** For “Directly on Server” installation, you will need to change computers. Leave your console session and walk to another PC. On that second PC, browse over to your server to the Pcrwin20 folder (or other share name created in Step 1 or 6 above), and run (double-click) Uncpath.exe. Click OK in the screen that pops up, and then walk back to your console session and press OK.

- Complete the rest of the installation. This may take some time depending on the speed of the computer you are installing to. **Do not exit or reboot the computer during the installation.** If any error messages appear, contact Technical Support.

**NOTE:** You may see the message, “Launching Vcerdist\_x86.exe. Please wait...” This is part of the installation and may take some time to complete.

- When the installation is complete, you will be prompted to **view the ReadMe.txt** and to **activate your license**. Leave these boxes checked and click Finish to proceed. When the ReadMe opens, review the information presented and then close the window when finished.

**NOTE:** ALK provides a 15-day temporary license prior to completing the activation. If you make a second attempt to install, you will lose this temporary license. If you experience an activation error and need

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access to PC\*MILER|Rail before Technical Support is available, please do not attempt a second install without assistance.

### 13. To activate your license:

**If you are an Enterprise License customer**, you can bypass the next license activation steps of the install (steps 14 and 15) because you are already activated and registered with ALK. To continue, answer **No** in the **License Status** window. Click the arrow next to **Continue** in the right hand column to complete the installation process. **Proceed to Step 16.**

**If you are NOT an Enterprise License customer**, the **License Status** window will open to activate your license. If the computer you are installing to has an Internet connection and you have a valid email address, the license activation process will automatically initiate. In the License Status window, click on the arrow next to **Activate** in the right hand column to begin the Automatic Desktop Activation. Review the information on the screen, then click **Next** to continue. Internet license activation is available 24 hours a day.

**NOTE:** If you don't have an active Internet connection or email address, please contact Technical Support.

14. When prompted, enter your **email address**. Click **Next** to continue.

15. When the activation process is complete, you will receive a message on the screen saying "Desktop License Activated Successfully." Click **Finish** to continue. When the **License Status** window reopens, verify that your license status in the left-hand column says **Licensed**. Click the arrow next to **Continue** in the right-hand column to complete the activation process.

16. **CRITICAL STEP, DO NOT SKIP!** If you activated your license using Automatic Desktop Activation, an email will be sent from alkservices@alk.com titled "PC\*MILER Activation Code for Product..." to the email address that was entered during the activation processes.

- **If you activated your license automatically and LICENSED is in the Status field of the License Status Window, attached to this email is your license file (net.lic).** Net.lic holds the license or user count for your installation. Until you save this net.lic to ...\\server\pcrwin20\ (replace existing file), you will have only a single user installation.

After saving the net.lic file, click on **Start > Programs > PCMILER Rail 20 > License Status**. Please check that the user count listed matches the purchased amount. For example, you will see "1 of 5" or "1 of 10" at the top of the screen. Also check that the License Status says **LICENSED**. If assistance is needed, please contact Technical Support during business hours.

- **If LICENSED is NOT in the Status field of the License Status Window**, please activate your license with the new activation code listed in the email. To do so, click **Activate**, then check the **Activate Manually box** and click **Next**. In the Enter Activation Code field, enter in the activation code from the email.
- **If you are an Enterprise Customer:** If your License Status is not “LICENSED” close the License Status screen by pressing **Continue**. Click **Start > Programs > PCMILER Rail 20 > License Status**. Your status should now be **LICENSED**.

17. After installing and activating PC\*MILER|Rail to the Server, **you’ll need to run the <server>\Pcrwin20\setup.exe on each individual PC or workstation**. To do this, click on the Windows **Start** menu, select **Run** then enter the path to the PC\*MILER|Rail 20 Network setup.exe on the network. The default location is...\Pcrwin20\Network. **Example:**\\mainsrv\pcrwin20\network\seteup.exe

**Workstation Setup Options** – During the workstation setup you will be asked what type of setting you would like each to use. The options are:

- **Local Setting** – Allows each workstation to customize default options and settings within the application.
- **Network Settings** – Provides each workstation the same default options and settings within the application.

**NOTE:** Enterprise customers only. If your workstation’s license failed to self-activate, you can correct the issue by running the License Status Screen twice. To do so, click **Start > Programs > PCMILER Rail 20 > License Status**, and then click **Continue** to close the screen. Next, click **Start > Programs > PCMILER Rail 20 > License Status** a second time and your License Status should be **LICENSED**.

## 2.7 Citrix and Terminal Services Installations

**NOTE:** Have your Product Key Code on hand before beginning the installation process. It will be emailed to you from [alkservices@alk.com](mailto:alkservices@alk.com) in an email titled, “PC\*MILER Software Order...” (Enterprise License customers excluded, see note in Step 7 below). “Citrix/Terminal Services” will be included in the above Product Key email signifying that you have purchased a Citrix or Terminal Services license. If this is not listed, please contact an ALK Sales Representative to purchase the correct license.

**NOTE:** Before installing, please double-check that the emailed Product Key Code(s) lists all purchased components. For example, the code below unlocks the following component: PC\*MILER|Rail-BatchPro.

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Order #: SO-000000001  
Product Order #: PC\*MILER|Rail 20  
Date: 9/16/2013 10:33 AM  
Product Key Code: 3QYKJ-V2KJ7-KJ2F5-82KJ2-KJ2F2  
== PC\*MILER|Rail 20 (Citrix/Term Server), BatchPro.

**NOTE:** If you need to uninstall a previous version of PC\*MILER|Rail on the computer that you are now installing to, you must uninstall the previous version before installing PC\*MILER|Rail 20. If you do not need to uninstall, it is possible to have both versions of the desktop program installed on the same system. Please note that PC\*MILER|Rail-Connect will be updated to the new version.

**NOTE:** Steps 1 and 2 are not required for Windows Server 2003 installs, please skip to Step 3. If you are not installing to Windows Server 2003, please start at Step 1.

1. First, go to the Windows **Start** menu, then **Settings > Control Panel > Add or Remove Programs**.
2. In the Add or Remove Programs dialog box, choose **Add New Programs > CD or Floppy** option. This will put the Citrix/Terminal Server into Install Mode.
3. Insert the **PC\*MILER Install DVD** into the CD/DVD. Click **Next** for Windows to detect the DVD.
4. Windows will attempt to locate the **setup.exe** on the DVD. If it does not, click **Browse**, locate the CD/DVD drive and select the setup.exe. Click **Finish**.

**IMPORTANT NOTE for Windows 7 Users:** You will need to install PC\*MILER|Rail as an administrator. If you are not the designated administrator on your computer, you will receive a warning message. Once the application is installed, you won't have to "Run as an Administrator" to use it provided you install to the default directory or to another directory that does not require the user to be an administrator.

To install as an administrator, cancel the installation if necessary (click **Cancel** and then **Finish**) and then follow these steps: 1) Open Windows Explorer and navigate to the installation folder on your CD/DVD drive (for example, D:\Rail\_20\_0); 2) Right-click on the **setup.exe** file in the installation folder and select "Run as administrator"; 3) Now double-click on the **setup.exe** file to start the installation process again.

5. A **Welcome** screen will open initializing the installation, click **Next** to review the terms and conditions of the End-User License Agreement. To continue



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installing, you must accept the terms of the license agreement by clicking the **Yes** button. If **No** is selected, the setup will not continue.

6. When prompted, enter your **User Name** and **Company Name**. Click **Next** when finished.
7. Enter your **Product Key Code**.<sup>\*</sup> This 25-character code will have been emailed from [alkservices@alk.com](mailto:alkservices@alk.com) in a message entitled “PC\*MILER Software Order...” The code can be copied and pasted. If typing the Product Key Code, dashes, spaces, or no spaces are all acceptable. Click **Next** when finished.

**NOTE:** You need a unique Product Key Code for each individual server you are installing to.

**NOTE:** As a convenience to our Enterprise License customers, the Product Key Code is hard-coded into the installation and is valid for each install.

#### 8. **STEP 8A:**

Next, the **Select Components dialog box** will open listing the PC\*MILER|Rail Solutions that were purchased. By default, products that were purchased should already be checked. Clear the checks next to any components that you do not want to install.

**NOTE:** Enterprise License customers must uncheck the Multi-user component if it is checked.

#### **STEP 8B:**

Below the list of products in the **Select Components dialog box**, you will see the **Destination Folder** that defines where all components will be installed on the computer that you are installing to. To install to the default directory (recommended), do not make any changes and click **Next**.

If you decide to install to a different location other than the default, click **Browse** to select a directory. Be sure to add “**Pcrwin20**” to the end of the new path. For example: d:\apps\Pcrwin20. If you don’t, PC\*MILER|Rail will install to the root of the specified directory. Click **Next** when finished.

9. Next, a dialog box will open titled “Start Copying Files”, listing the installation settings that will be used to copy files onto the workstation. To change any setting, select **Back**. If you are satisfied with the settings, click **Next** to continue

If you have a previous version of PC\*MILER|Rail-Connect installed, an alert will appear on the screen with the following message: “The install found a previous version of Connect. These files will be rename with a .bak extension.” If both products were previously installed on the computer you are

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installing to, two dialog boxes will open. Click **OK** in each dialog box(es) to continue.

10. Follow through with the rest of the installation. This may take some time depending on the speed of the computer you are installing to. **Do not exit or reboot the computer during the installation.** If any error messages appear, please contact Technical Support.

**NOTE:** You may see the message “Launching Vcredist\_x86.exe. Please wait...” This is part of the installation and may take some time to complete.

11. When the installation is complete, you will be prompted to **view the ReadMe.txt** and to **activate your license.** Leave these boxes checked and click **Finish** to proceed. When the ReadMe opens, review the information presented then close the window when finished.

**NOTE:** ALK provides a 15-day temporary license prior to completing the activation process. If you make a second attempt to install you will lose this 15-day temporary license. If you experience an activation error and need access to PC\*MILER|Rail before Technical Support is available, please do not attempt a second install without assistance.

## 12. License Activation:

**If you are an Enterprise License Customer,** you can bypass the next license activation steps of the install (Steps 13 and 14) because you are already activated and registered with ALK. To continue, answer **No** in the **License Status** window, then click the arrow next to **Continue** in the right-hand column to complete the installation.

**If you are NOT an Enterprise License Customer,** the **License Status** screen will open to activate your license. If the computer you are installing to has an Internet connection and you have a valid email address, the license activation process will automatically initiate. In the **License Status** window, click on the arrow next to **Activate** in the right hand column to begin the Automatic Desktop Activation. Review the information on the screen then click **Next** to continue. Internet license activation is available 24 hours a day.

**NOTE:** If you don't have an active Internet connection or email address, please contact Technical Support during business hours for assistance.

13. When prompted, enter your **email address.** Click **Next** to continue.
14. When the activation process is complete, you will receive a message on the screen saying “Desktop License Activated Successfully.” Click **Finish** to continue. When the License Status window reopens, verify that your **license status** in the left hand column says **Licensed.** Click the arrow next to **Continue** in the right hand column to complete the activation process.

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If you activated your license using Automatic Desktop Activation, an email titled, “PC\*MILER Activation Code for Product XXXXX...” will be sent to the email used in Step 13 from [alkservices@alk.com](mailto:alkservices@alk.com).

If you activated your license automatically and **LICENSED** is in the Status of the License Status Window, no further action is necessary. If **LICENSED** is NOT in the Status field of the **License Status Window**, please activate your license with the new activation code listed in the email. To do so, click **Activate**, then check the **Activate Manually box** and click **Next**. In the Enter Activation Code field, enter in the activation code from the email.

## 2.8 PC\*MILER|Rail-Connect Add-In To Microsoft Excel

If PC\*MILER|Rail-Connect is installed, the following files are placed in your Excel folder in the PC\*MILER|Rail directory (usually C:\ALK Technologies\Pcrwin20\Excel):

<b>perstest.xls</b>	An Excel spreadsheet containing illustrative examples of pcrsrv32.dll calls (for mileage calculations).
<b>pcrss32.xla</b>	The PC*MILER Rail-Connect Excel Add-In for route and mileage calculations.
<b>pcrmttest.xls</b>	An Excel spreadsheet containing illustrative examples of pcrmp32.dll calls (for mapping calls).
<b>pcrmp32.xla</b>	The PC*MILER Rail-Connect Excel Add-In for mapping.

### Network Installation

In order to use the server, **xlsetup.exe** must be run on each client machine. To do this, first install PC\*MILER|Rail-Connect to the network directory; then, from each workstation choose **Start > Run...** and enter the path of the **xlsetup** program. For example, if PC\*MILER|Rail is installed on the network drive **n:** in the **Pcrwin20** directory, you would type: **n:\Pcrwin20\excel\xlsetup.exe**. This will set up icons for the logging engine and on-line Help.

### Enabling the Excel Add-Ins

There are two PC\*MILER|Rail Add-Ins available for Microsoft Excel. You must enable the Add-Ins manually from within Excel. Excel can be configured to load the Add-Ins each time you open the program.

Follow the steps below to set up the **pcrss32.xla** Add-In for mileage calculations. For setting up the Add-In for mapping, repeat with **pcrmp32.xla**.

**If you are running Microsoft Office 2003 (or older):**

1. Start Excel.

- 
2. In the **Tools** menu, select **Add-Ins... > Browse**.
  3. Navigate to the folder where PC\*MILER|Rail is installed and open the Excel folder. The default location of the Excel folder is ... \ALK Technologies\PCRWINXX\Excel. (“XX” refers to the PC\*MILER|Rail version number, for example PCRWIN20 for PC\*MILER|Rail 20).
  4. In the ... \Excel folder, click on the **PCRSS32.XLA** file, then click **OK**.
  5. If you're installing from the network, a dialog box will appear that says "Copy 'PCRSS32.XLA' to Microsoft Excel Add-In Library?" You can choose **Yes** to make a local copy or **No** if you don't wish to. In either case PC\*MILER|Rail-Spreadsheets will install properly.
  6. In the Add-Ins dialog box, “PC\*MILER|Rail-Spreadsheets” will appear in the list of products with a check next to it. Click **OK** to continue. The PC\*MILER|Rail-Connect Excel functions are now ready to be used and will be available every time you start Excel.

**If you are running Microsoft Office 2007 (or newer):**

1. Click the **Microsoft** symbol in the upper left hand corner of the Excel window.
2. In the list that opens, at the bottom click on the **Excel Options** button.
3. In the dialog box that opens, in the left hand column menu click on **Add-Ins**.
4. In the right hand side of the dialog box, there's a drop down menu next to “Manage”. Scroll that drop down menu and choose **Excel Add-Ins**. Click the **Go** button to continue.
5. In the Add-Ins dialog box that opens, click **Browse** and navigate to the folder where PC\*MILER|Rail is installed and go to the **Excel folder**. The default location of the Excel folder is ... \ALKTechnologies\PCRWINXX\Excel. (“XX” refers to the PC\*MILER|Rail version number, for example PCRWIN20 for PC\*MILER|Rail 20.)
6. In the ... \Excel folder, click on the **PCRSS32.XLA** file, then click **OK**.
7. In the Add-Ins dialog box, “PC\*MILER|Rail-Spreadsheets” will appear in the list of products with a check next to it.
8. Click **OK** to continue.
9. Next, you must enable Macros in Office 2007. To do so, click on the **Microsoft** symbol in the upper left hand corner of the screen.
10. In the list that opens, at the bottom click on the **Excel Options** button.
11. In the dialog box that opens, in the left hand column menu listing click on **Trust Center**.

- 
12. In the left hand column, click on **Add-Ins** and uncheck each box on the right side of the window.
  13. In the left hand column, click on **Macro Settings**. In the right hand side of the window, under the question "For macros in documents not in a trusted location", click the radio button next to the last option (**Enable all macros**). At the bottom, leave the box checked next to "Trust access to the VBA project object model."
  14. Click **OK** at the bottom of the dialog box to exit. The PC\*MILER|Rail-Connect Excel functions are now ready to be used and will be available every time you start Excel.

## 2.9 Adding a New Product To Your PC\*MILER|Rail Installation

You may find that you want to purchase an additional PC\*MILER|Rail Solution sometime after the initial installation of PC\*MILER|Rail. To purchase and install an additional product at a later time, follow these steps:

First, call **PC\*MILER Sales** at **800.377.6453** (or 1.609.683.0220 outside of the U.S.), 9:00am-5:00 pm EST, Monday-Friday to purchase the product and obtain a new Product Key Code to license and install the new solution(s).

To add the new product to your installation, follow the steps below:

### **Single-User Standalone and Multi-User Network Install:**

1. Insert the PC\*MILER|Rail Install DVD into the CD/DVD drive.
2. In the Installation Wizard, choose "**Modify**" and click **Next**.
3. Keep the User Name and Company Name as is and click **Next**.
4. Replace the existing **Product Key Code** with your NEW Product Key Code and click **Next** to continue.
5. In the Select Components dialog box, make sure ALL new and existing products are checked.
6. Follow through with the rest of the installation. You must reactivate your license.

### **Multi-User Network Installs – Steps for Individual Workstation Set-ups:**

1. Browse to the shared \pcrwin20 folder on your Server.
2. Double-click on the Network folder and run **setup.exe**.
3. Choose "**Reinstall Network Components**".
4. Follow through with the rest of the installation.

---

## 2.10 Deactivating and Uninstalling Your License

You must fully deactivate your product license and uninstall all PC\*MILER|Rail components, including local, network, enterprise, or server installations if you are:

- Moving any PC\*MILER|Rail installation to a new computer;
- Reformatting a computer that PC\*MILER|Rail is currently installed to;
- Returning the product;
- Reinstalling on the same PC.

**You have two options for deactivating your license and uninstalling:** 1) If you have an Internet connection on the computer where PC\*MILER|Rail is installed, the deactivation process can be done **automatically**; or 2) If there is no Internet connection, a **manual** deactivation process is available.

Please follow the instructions below:

### 1. Deactivation

#### **Automatic Deactivation:**

If you have an available Internet connection, go to the Windows **Start** menu, then **Programs > PCMILER-Rail 20 > License Status** and click on the arrow next to **Deactivate**. Another dialog box will open, click **Next** and the deactivation process will automatically begin. If the Deactivation Code appears on the screen, please write down the code for your records.

#### **Manual Deactivation:**

For manual deactivation (those without an Internet connection), go to the Windows Start menu, then **Programs > PCMILER-Rail 20 > License Status** and click on the arrow next to **Deactivate**. The **Deactivation Verification Code** dialog box will appear.

**Before clicking OK**, you must provide ALK with the code that appears in the window, as it is required as proof of deactivation. Please write down the code for your records. If you are returning the product, you must include this Deactivation Code on the provided Return Form. Click **OK** when finished.

**NOTE:** The Deactivation Code is not programmatically recorded during the manual deactivation process. Please write down the code. It will also be written to ...\\pcrwin20\\alk\_da.dat; do not delete this file.

2. Next, go to **My Computer > Control Panel > Add/Remove Products** to uninstall all PC\*MILER|Rail components.
3. In the Add/Remove Products window, highlight **PC\*MILER|Rail 20** in the list of software applications – scroll the list if necessary – and proceed with the program removal.



---

## 2.11 Technical Support Options

ALK Technologies offers free technical support to all users of PC\*MILER|Rail and related products. If you have any questions about PC\*MILER|Rail or problems with the software that can't be resolved using the product user's guides or online Help, contact ALK Technologies.

**Hours:** 9:00am - 5:00pm, Mon-Fri, Eastern Standard Time

**Phone:** 1.800.377.6453, ext. 2 or 1.609.683.0220, ext. 2

**Email:** [pcmrail@alk.com](mailto:pcmrail@alk.com) (or use the *Email Technical Support* option in the Help menu); or  
[raildata@alk.com](mailto:raildata@alk.com) for all data-related feedback and questions

Please include your Product Key Code and product version number (e.g. 20.0.1) in all correspondence. To find this information, go to the Help menu > *About*.

**Fax:** 1.609.252.8108 ATTN: PC\*MILER|Rail Technical Support

**Web Site:** [www.alk.com](http://www.alk.com) (click **Support** > **PC\*MILER|Rail**)

## 2.12 Email Us Your Data Corrections

Simply select *Email Data Correction* in the Help menu or email us at [raildata@alk.com](mailto:raildata@alk.com) to inform ALK Technologies about any data errors that you may encounter while using PC\*MILER|Rail. ALK values your input and will incorporate any errors you report into future releases of the software.

## 2.13 Check for Updates

Select *Check for Updates* in the Help menu to check via the internet for any available updates to PC\*MILER|Rail (patches or quarterly data updates). If no updates are available, a message to that effect will be displayed. If there are updates, a list will be returned and you will have the option to download them.

To disable this functionality, locate the **pcrwin.ini** file in your PC\*MILER|Rail installation folder (the default location is C:\ALK Technologies\PCRWIN20). Open this file using a text editor such as Notepad or Wordpad (in Windows Explorer click with the right mouse button), and you will see the following line in the [OPTIONS] section:

```
CheckForUpdatesAllowed=TRUE
```

Simply change “=TRUE” to “=FALSE” and save the file to disable updates. This line can be changed back to TRUE at any time.

---

## 2.14 PC\*MILER|Rail Help Files

PC\*MILER|Rail includes a complete system of on-line Help that can be accessed through the Help menu or Help button on the tool bar in the main application window, or by clicking on any **Help** button in a dialog box or window. PC\*MILER|Rail Help buttons are context-sensitive, so the topic invoked with a button will pertain to the open dialog box. From there you can search further.

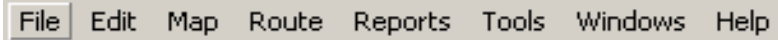
From the Help menu, selecting *Contents* will open a help window with two panes. The left pane will display a Contents tab that lists topics of general interest. Click on the plus sign ( + ) next to any topic to see the “pages” underneath. Double-click on any page to open it in the right pane of the help window. The *Index* tab displays a scrollable index of key words or phrases. Use the *Search* tab to search for all instances of a keyword.

To access help for PC\*MILER|Rail BatchPro or Connect, click the Windows **Start** menu and select **Programs** (or the equivalent in your version of Windows) > **PCMILER Rail 20** > and open the BatchPro or Connect folder.

Each menu option available in PC\*MILER|Rail is briefly described below. Tool bar buttons and shortcut keys that can be used instead of a menu option are shown where available.



### 3.1 File Menu



#### New Route



Open a route entry window for a new route.

#### Duplicate Route

Duplicate the active route window for easy route comparisons.

#### Open Route...



Open a previously saved route.

#### Close

Close the active route (the route won't be saved).

#### Close All >

**Routes:** Close all open routes without saving.  
**Reports:** Close all open reports without saving.

#### AutoRouter



**F6**

Open the AutoRouter to run a route using PC\*MILER|Rail's AutoRouter.

#### Save Route



Save the active route with the current filename.

#### Save Route As...

Save the active route with a new user-specified file name.

---

**Save Report As...**

Save the active report with a new user-specified file name.

**Print ...**

Print the contents of the active window. This option will say “Print Report”, “Print Route”, or “Print Map”, depending on which window is active.

**Page Setup...**

Open the Page Setup dialog box to control print options.

**Exit****Alt + F4**

Exit PC\*MILER|Rail, returning to the Desktop. When you exit, all active windows are saved as they appear on your screen for the next time PC\*MILER|Rail is opened.

## 3.2 Edit Menu

File **Edit** Map Route Reports Tools Windows Help

**Copy Map/Report/Routes/  
AutoRoutes**

Copy the active report, route(s) or map to the clipboard for use with other programs such as Microsoft Word. Depending on which window is active, this option will say *Copy Map*, *Copy Report*, *Copy AutoRoutes*, or *Copy Route*.

**Insert Stop****F7**

Insert a stop above the one that is highlighted on the stop list in the active route entry or AutoRouter window.

**Delete Stop****F8**

Delete the stop that is highlighted on the stop list in the active route entry or AutoRouter window.

**Delete All Stops****Alt + F8**

Delete all stops in the route entry or the AutoRouter window.

## 3.3 Map Menu

File Edit **Map** Route Reports Tools Windows Help

**TIP:** You can also open a Map menu by clicking the right mouse button when your cursor is inside the map window.

**Zoom In**

Zoom in by a factor of two; can be repeated for closer views; increases detail.

---

## Zoom Out



Zoom out by a factor of two; can be repeated; decreases detail.

## Frame >



Frame **US Window**, **NA Window**, or **Routes**; when checked, **Auto Frame Route** automatically frames all routes when they are generated.

## Features...

Invoke the Features dialog box to control which features are drawn on the map.

## Redraw

Redraw the current display in the map window.

## Railroads...

Open the Railroad Display Control dialog box to indicate which railroads should be drawn on the map. This dialog can also be used to frame specific railroads and show track ownership.

## Pick/Label >



**Pick Stops:** Enable user to select stops with the mouse for route entry.



**Label Stations:** Enable user to label and hide locations with the mouse.



**Label RRs:** Enable user to label and hide railroads with the mouse.



**Clear Labels:** Delete all labels that have been added manually.

## Detail >

Add to, reduce, or return to the default number of links and place names drawn on the map (choose **More**, **Less**, or **Default**). Show rail curves in more detail by drawing them using "shape points" instead of angles (select **Use Shape Points**).

## Station Labels >

Specify how stations are labeled: using either their **Station ST** name or **SPLC**.

## Legends >

Show/Hide the **Route Legend**, **Carrier Legend**, and **Scale of Miles** (choose one or more).

---




## 3.4 Route Menu

File Edit Map **Route** Reports Tools Windows Help

<b>Run</b>	<b>F10</b>	Generate the route entered in the currently active route entry window.
<b>Options</b>	<b>F4</b>	Open the Options dialog box to assign a name to a route and to select a route type, route formula, and terminal switch inclusion or exclusion. You can also assign an automatic header to reports using this dialog box.
<b>Default Options...</b>		Open the Default Options dialog box to change the default settings for routing options. All the available options are the same as in the Options dialog box.

## 3.5 Reports Menu

File Edit Map Route **Reports** Tools Windows Help

<b>Detailed Report</b> 	<b>F5</b>	Generate a Detailed Report for the route in the active window.
<b>Key Station Report</b> 	<b>Alt + F5</b>	Generate a Key Station Report for the route in the active window.
<b>Detailed Geocode Report</b> 	<b>Ctrl + F5</b>	Generate a Detailed Geocode Report for the route in the active window.

## 3.6 Tools Menu

File Edit Map Route Reports **Tools** Windows Help

<b>Change Map Dataset</b>		Change the map dataset – see section 5.12. Datasets need to be downloaded first, using “Check For Updates” in the Help menu.
<b>Manage Custom Places</b>	<b>F2</b>	Open the Custom Place Manager window, where you can add custom station names to the database.

---

**Manage Junction  
Avoid/Favors**

**Alt + F2**

Open the Avoid/Favor Junctions in AutoRouter dialog box to designate junction interchange preferences for interline routes.

**Tool Bar >**

**Large Buttons:** Switch to large buttons on the tool bar. Large buttons display text that indicates what they are used for.

**Small Buttons:** Switch to small buttons on the tool bar. This ensures that the whole tool bar will be displayed on your screen.

**None:** Hide the tool bar.

### 3.7 Windows Menu



File Edit Map Route Reports Tools **Windows** Help

**Default Window >**

Choose whether the AutoRouter or single route entry window should open automatically when PC\*MILER|Rail is started.

**Default Window Position >**

**Save on Exit:** The next time PC\*MILER|Rail is started, the application window will open in the same position on your monitor as when it was last closed.

**Centered:** The PC\*MILER|Rail application window will always open in a centered position on your monitor.

**Cascade**

Cascade all windows from the upper left corner of the program window.

**Tile**

Organize all open windows in a side-by-side "tile" arrangement.

**Arrange Icons**

Arrange the icons representing minimized windows in the lower left corner of the program window.

**1 AutoRouter**

Activate the AutoRouter window and bring it to the front.


**2 Map – Track Ownership**

Activate the map window and bring it to the front.



## 3.8 The Help Menu

File Edit Map Route Reports Tools Windows Help

<b>Content</b>		Open PC*MILER Rail's on-line Help.
<b>Topic Look Up</b>	<b>F1</b>	Open Help for the open dialog box or window.
		
<b>Menus</b>		Open the Menu Reference section of Help.
<b>Keyboard</b>		Open a list of function keys in PC*MILER Rail.
<b>State Names...</b>	<b>F3</b>	Open a reference table of official state/province/estado abbreviations.
<b><u>R</u>ailroads &gt;</b>		Open a reference table of railroad names and abbreviations, sorted by SCAC or railroad name. Choose <b>Sorted by SCAC</b> or <b>Sorted by RR</b> .
<b>Fuel Surcharge...</b>		Open a reference list of railroads that use Practical mileage vs. those that use Shortest mileage for fuel surcharge calculation.
<b>Email Technical Support</b>		Send an email to PC*MILER Rail Technical Support.
<b>Email Data Correction</b>		Report an error in the database. All data corrections will be sent to the ALK data team for review and inclusion in future releases.
<b>Check For Updates</b>		Check if there are updates available and download them. See section 2.13.
<b><u>A</u>bout...</b>		Display general information about PC*MILER Rail, including version number, serial number and name of the licensed user of the program.

---

## 3.9 PC\*MILER|Rail Shortcut Keys

Keystrokes in PC\*MILER|Rail that provide shortcuts to various menu options and features are listed below.

<b>Key(s)</b>	<b>Function</b>
<b>F1</b>	Invoke the Topic Look Up in on-line Help
<b>F2</b>	Invoke the Custom Place Manager
<b>Alt-F2</b>	Invoke the Avoid/Favor Junctions dialog box
<b>F3</b>	Display a scrollable list of state abbreviations
<b>Alt-F3</b>	Display a list of railroad names and abbreviations sorted by SCAC
<b>Ctrl-F3</b>	Display a list of railroad names and abbreviations sorted by name
<b>F4</b>	Invoke the Options dialog box for the active route
<b>Alt-F4</b>	Exit PC*MILER Rail
<b>Ctrl-F4</b>	Close the active route entry window or AutoRouter window
<b>F5</b>	Display the Detailed Report for the active route
<b>Alt-F5</b>	Display the Key Station Report for the active route
<b>Ctrl-F5</b>	Display the Detailed Geocode Report for the active route
<b>F6</b>	Open or activate the AutoRouter window
<b>F7</b>	Insert a stop <u>above</u> the one highlighted on the stop list
<b>F8</b>	Delete the stop that is highlighted on the stop list
<b>Alt-F8</b>	Delete all stops in the single route entry window
<b>F9</b>	Display the map window
<b>F10</b>	Generate routes and distances ("Run")

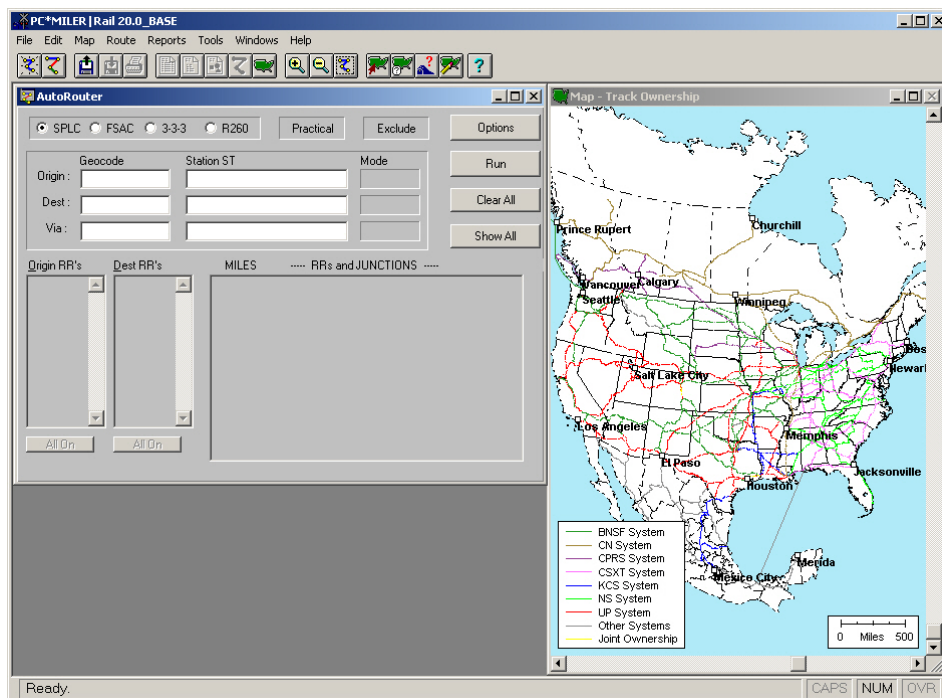
# Chapter 4

## Two Sample Routes: A First Look at PC\*MILER|Rail

To open PC\*MILER|Rail, double-click on the PC\*MILER|Rail icon that was placed on your desktop during installation.



The AutoRouter window will be open in the main application window:



*PC\*MILER|Rail Main Screen – Initial View*

PC\*MILER|Rail features **two basic methods of route entry**:

- **Single Route Entry:** If you know a route and simply want to generate the mileage, you can enter the sequence of locations and railroads manually in the single route entry window (File menu > *New Route*).
- **AutoRouter:** If you want PC\*MILER|Rail to suggest possible junctions and connecting railroads between two points, you can use the AutoRouter feature to use preferred routes (File menu > *AutoRouter*).

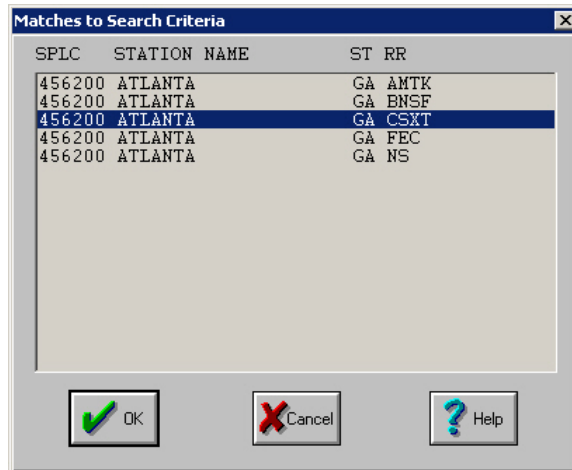
Both types of route entry are briefly described in this chapter using sample routes. For more detailed instructions, see Chapter 5, *Basic Features of PC\*MILER|Rail*.

## 4.1 Single Route Entry Window: Atlanta, GA to Rahway, NJ

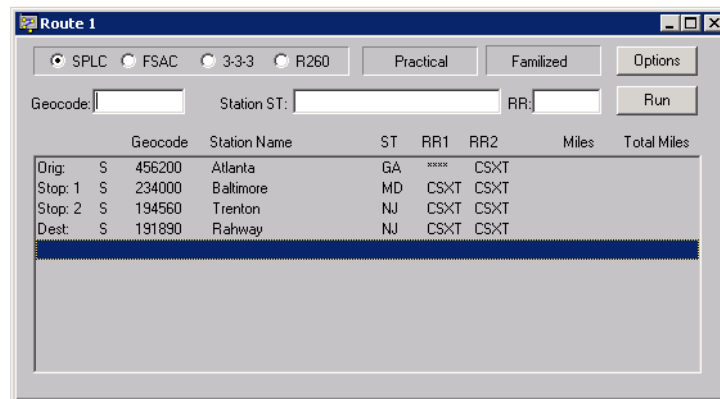
If you know a route and simply want to generate mileage, select *New Route* from the File menu, then enter the origin in the **Station ST** or the **Geocode** field in the route entry window that opens. To do this, first select the type of code to be used in the top left corner of the window, then click on an entry field and begin typing.

For this sample route we'll go with the default code type (SPLC). Type “atlanta ga” in the **Station ST** field (**no comma** – if you enter a comma you'll get a “Not Found” error message), then press the <Enter> key on your keyboard. Highlight the **CSXT** option on the pick list that pops up and click **OK**.

Now enter the intermediate stops and destination in the same way. PC\*MILER|Rail always considers the last stop on the list as the destination of your route. Let's enter **baltimore md**, **trenton nj**, and **rahoway nj** in that order, and **CSXT** as the railroad for the whole route.

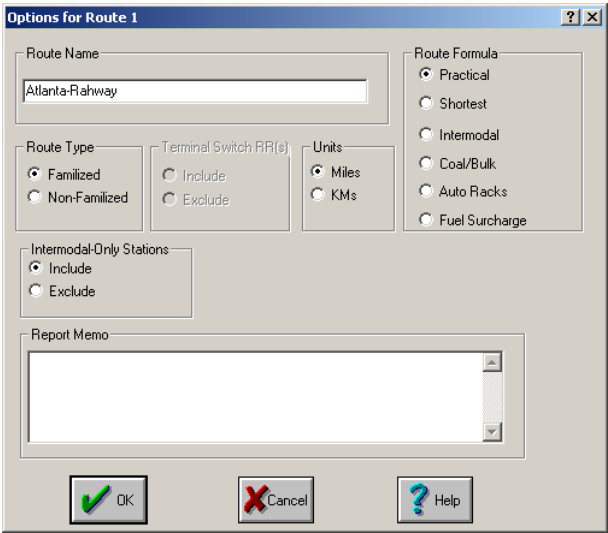


*Pick List of Railroads Serving Atlanta, GA*



*Route From Atlanta, GA to Rahway, NJ – CSXT*

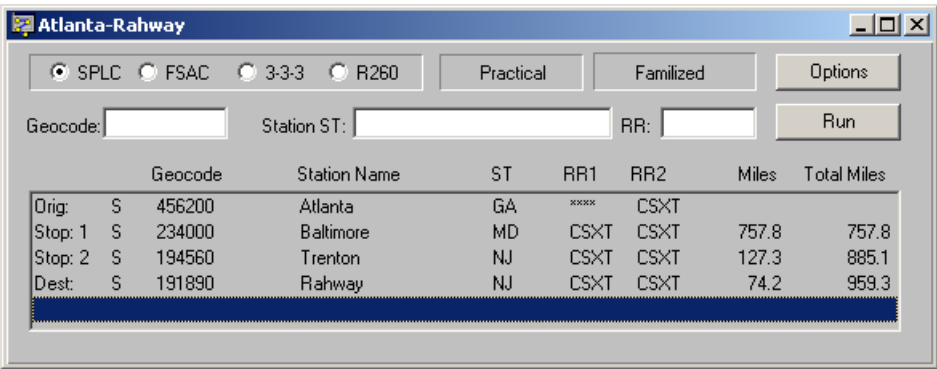
After entering the route, click on the **Options** button to see the various routing options. Using the Options dialog box, you can change the parameters used for route calculation, assign a name to the route, and use the report memo area to include a customized note on printed reports.



*Options Dialog Box*

For this route, we'll use PC\*MILER|Rail's default options and only change the route name. Type "**Atlanta-Rahway**" in the **Route Name** field, then click **OK** to close the dialog box.

To run the route, click on the **Run** button or press the **F10** key. Mileage appears in the route entry window when processing has finished. To print the contents of this window, select *Print Route* from the File menu while the window is active.



*Generated Mileage From Atlanta, GA to Rahway, NJ – CSXT*

To clear the route entry window and begin entering another route, select the Edit menu > *Delete All Stops*. Or you could choose *New Route* from the File menu to open a new route entry window, keeping the route from Atlanta to Rahway open.

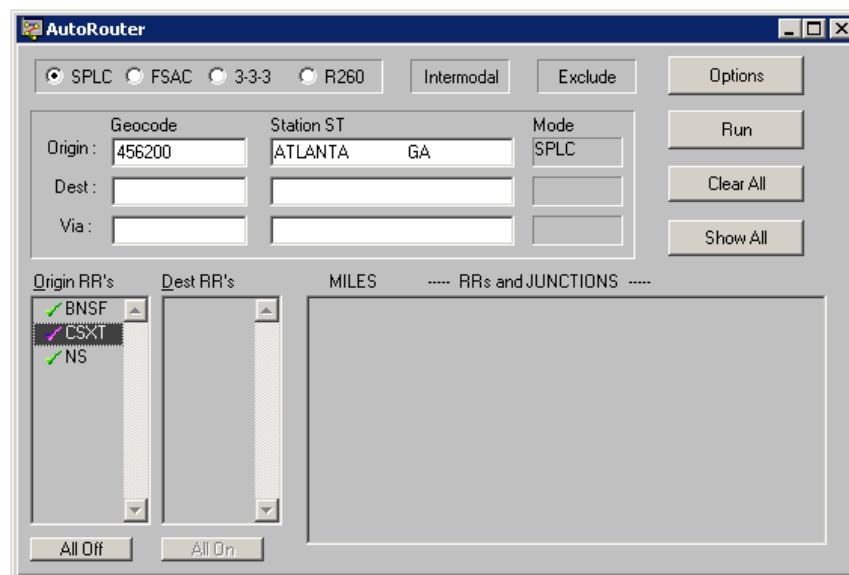
## 4.2 Using the AutoRouter: Atlanta, GA to El Paso, TX

To access the AutoRouter, choose File menu > *AutoRouter* or simply click the AutoRouter window to activate it if it is already open. The AutoRouter feature is a valuable tool for determining which railroads serve the origin or destination, and how they connect via intermediate junctions. It enables you to set customized railroad routing preferences and get back several routes to choose from.

For the purposes of the example below, click on the **Options** button, set the Route Formula to **Intermodal**, and then click **OK** to return to the AutoRouter.

For a route between Atlanta and El Paso, type “**atlanta ga**” as the origin in the **Station ST** field (no comma, entering a comma will return a “Not Found” message) and press the <**Enter**> key on your keyboard. Choose CSXT from the pick list that opens. Railroads that actually serve the origin will appear in the **Origin RR’s** scroll list below, where you can choose to include or exclude each one. (Note that Amtrak, whenever it appears, is always turned off by default.)

**NOTE:** The number of routes generated is affected by the **Include/Exclude** options in the Options dialog. See section 5.10, *Routing Options*.

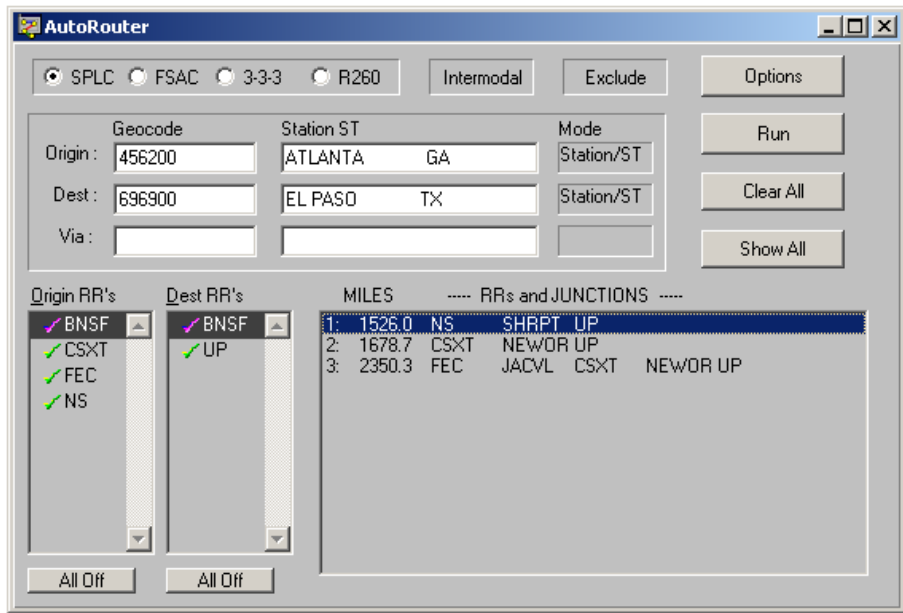


*AutoRouter Window*

Next, enter “**el paso tx**” as the destination, and choose BNSF from the pick list that appears.

After the origin, destination and potential serving railroads are entered, feasible routings may be generated by either clicking on the **Run** button or pressing the

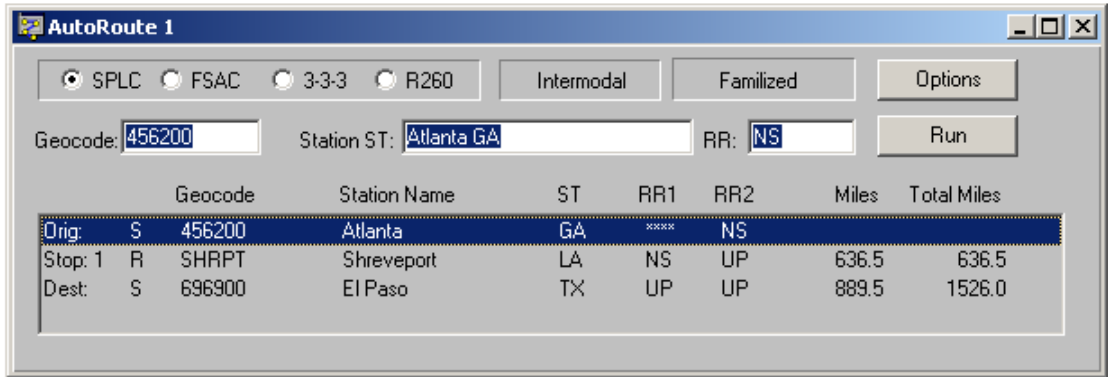
**F10** key. You'll see these routes listed in the lower right section of the dialog box when processing has finished.



*AutoRouter Window With Generated Routes, Atlanta – El Paso*

To review a route or edit its options and re-run, either double-click on it or highlight it in the list and press **<Enter>**. The route will be drawn on the map, and a route entry window will open that displays the intermediate stops, railroads used, and mileage for this route. The Norfolk Southern route shown below is the first one on the list of possible routes from Atlanta to El Paso.

You can edit the options for this route the way you would in any single route entry window (click the **Options** button – see section 5.10). This can be especially useful when the AutoRouter is relied on to generate a valid junction interchange and the route then needs to be re-run for Fuel Surcharge mileage.



*Norfolk Southern Route Generated By the AutoRouter*



To review or edit another route from Atlanta to El Paso, activate the AutoRouter window and double-click on another route listing.

Once back in the AutoRouter, you have the option to click **Clear All** to start over with another origin and destination. To display all the generated routes on the map, click the **Show All** button.

## 4.3 A Brief Look at Maps and Reports

To see a map of the route you selected in the AutoRouter, click on the **Map** button on the tool bar or select *Map* from the Windows menu.



*Framed Route in the Map Window*

Three reports are also available in the Reports menu:

- **Detailed Report:** To view more detailed information about the route, select the *Detailed Report*. Make sure the route entry window for this route is active when you do this (the title bar should not be gray). The Detailed Report lists every location on the route, along with leg and cumulative mileage between the origin and destination.
- **Key Station Report:** The *Key Station Report* lists only major locations.
- **Detailed Geocode Report:** The *Detailed Geocode Report* includes the same information as the Detailed Report but also lists geographic codes for each

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stop. The types of codes listed are SPLCs, 3-3-3s, and R260 (see sections 5.4.1 through 5.4.5 for a full description of PC\*MILER|Rail geocodes).

All three reports include mileage breakdowns by state/province/estado and railroad at the end of the report, and may be generated when using single route entry or the AutoRouter. You can print the open report or map by clicking on the **Print** button on the tool bar while the report window is active. In order to open a report, you need to minimize or close any other report that is open.

For detailed descriptions of reports and maps, see Chapters 6 and 7.

**NOTE:** In order to open a report, you need to minimize or close other reports. All three reports may also be generated when using the single route entry method. To print a report, click on the **Print** button on the tool bar **while the report window is active**.

**TIP:** You can view a report for any AutoRouter route without opening a separate route entry window first. Simply highlight the route on the list in the AutoRouter window, then click on the right mouse button. Select *Detailed Report*, *Key State Report*, or *Detailed Geocode Report* from the menu that pops up.

**TIP:** If your windows are disorganized and you don't see the one you need, you can open the Windows menu and select that window from the menu.

**The sections following contain more detailed information about PC\*MILER|Rail route entry, options, maps and reports.**

This chapter describes how PC\*MILER|Rail determines routes and mileage, explains how railroad families are used in PC\*MILER|Rail, and provides detailed descriptions of location entry, routing options, and how to save and load generated routes.

## 5.1 About Railroad Routes

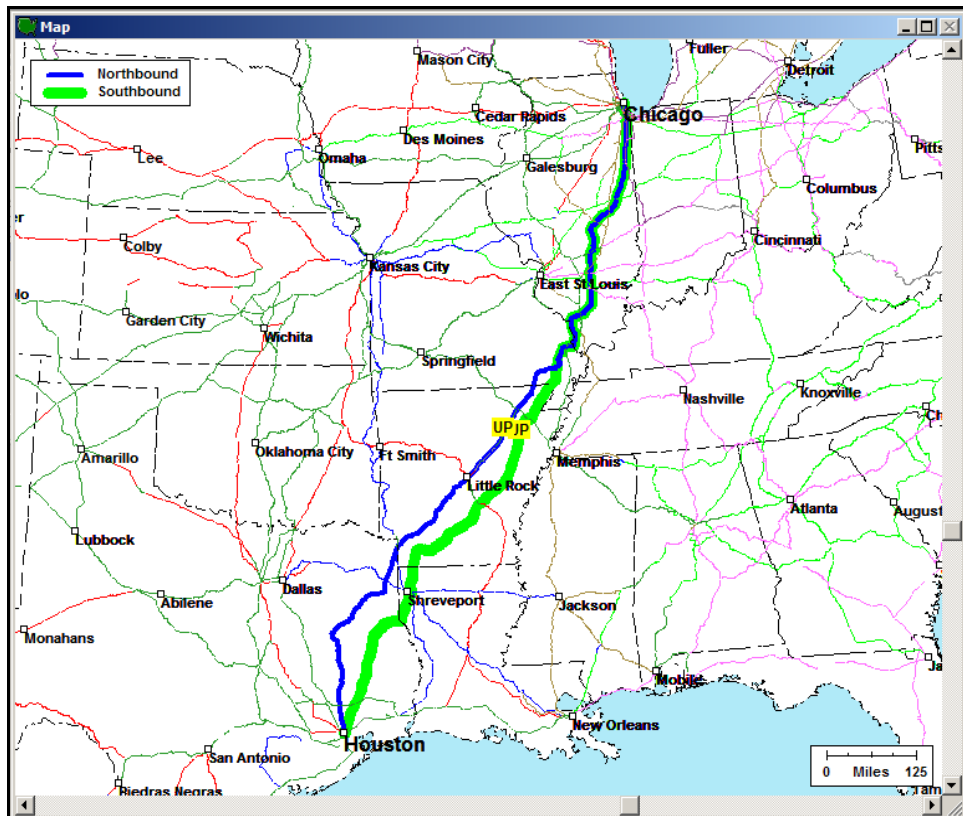
A railroad route is identified by the following components: an origin, an optional sequence of intermediate points, a destination, and the railroads that connect them. There are two types of routes: **single line** and **inter-line**.

**Single line routes** include an origin location, a destination location, and a single rail carrier serving them both. **Inter-line routes** occur when different railroads serve the origin and destination points, or another railroad must be used to "bridge" the origin and destination carrier(s). Inter-line routes require the entry of one or more railroad-to-railroad junction locations.

Between any two rail points in North America, there are a large number of *possible* routes (traffic between Atlanta and Dallas *could* go via New Orleans, Memphis, or conceivably even via Chicago). Realistically, there are a limited number of feasible or *practical* routings based on which railroads serve the points, their operations, and the junctions at which they interchange cars.

When the same railroad serves both the origin and destination, a single line route is usually most practical. While in some cases inter-line routes may be valid alternatives to competing single-line routes, they require coordinated effort between multiple railroads to interchange traffic and share the responsibility/revenue of the shipment. In other cases, no single-line route exists and one or more inter-line routes are the only way to get between the origin and destination.

In the U.S. and Canada, there are about 7,500 route-miles where railroads operate primarily in one direction over a rail line, with traffic in the opposite direction moving over an alternate route. Beginning in Version 17, **directional routes** are reflected in PC\*MILER|Rail's routing and mapping. As an example, in the following screenshot, southbound UP traffic from Chicago to Houston moves via Shreveport, LA, whereas the northbound traffic moves via Little Rock, AR.



*Choosing a Destination Railroad*

## 5.2 PC\*MILER|Rail Route Calculation

PC\*MILER|Rail uses a minimum impedance routing program for computing routes. The link impedance used in route calculations is derived as distance multiplied by a cost factor, which essentially corresponds to route quality. High density mainlines are given a lower link cost, while medium density mainline, medium density branchline, and low density branchline have higher cost factors. The minimum impedance route between any two nodes (geographic locations) on ALK's Rail Network is the sequence of links whose impedance sum is less than that of any other sequence of links.

PC\*MILER|Rail routes can be run in Single Route entry mode (the user specifies railroads and junctions manually) or using the AutoRouter to calculate all possible routes between locations. For interline routes calculated from the AutoRouter, junction interchange impedances are added to link impedances. The junction impedance for the forwarding and receiving railroads is based on the historic volume of traffic interchanged at that junction to/from those railroads.

---

Link costs and junction costs may be different for each of the PC\*MILER|Rail routing types. Additionally, the link costs are adjusted to accommodate any directional routing arrangements.

All the various cost factors have been derived from extensive research using railroad timetables, maps provided by railroads, the *Official Railway Guide*, *Official Railroad Station List*, *Railroad Atlas*, and county maps. ALK has periodically updated these costs over the years to maintain a good match with current realistic routes.

PC\*MILER|Rail includes six different routing formulas: **Practical**, **Shortest**, **Intermodal**, **Coal/Bulk**, **Auto Rack**, and **Fuel Surcharge**. See section 5.10, *Route Options*, for a description of routing formulas and other options.

## 5.3 About Railroad Families

PC\*MILER|Rail groups combinations of separate but affiliated railroads (CN-CBNS, UP-BLR, etc.) into railroad "families".

In a single route entry window, you can choose whether to find the best route over an individual railroad (**Non-Familized**) or over the railroad and its family members (**Familized**). **Familized** is the default option.

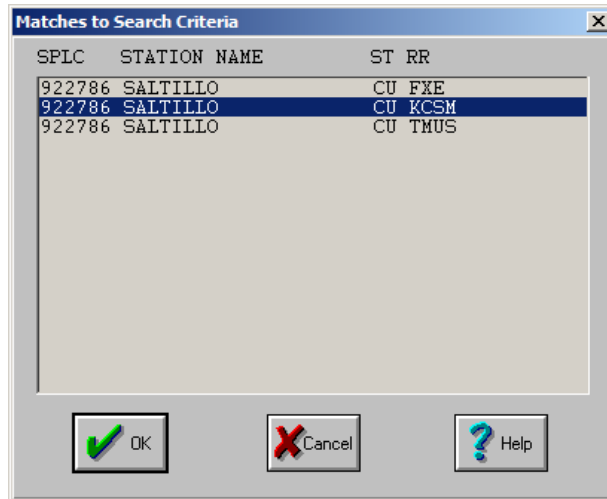
To change from familized to non-familized mode, click on the **Options** button in the route entry window, then click on **Non-Familized** and click **OK**.

The AutoRouter always uses the entire North American railroad network to find the best route, hence **Familized** is the *only* option when using the AutoRouter.

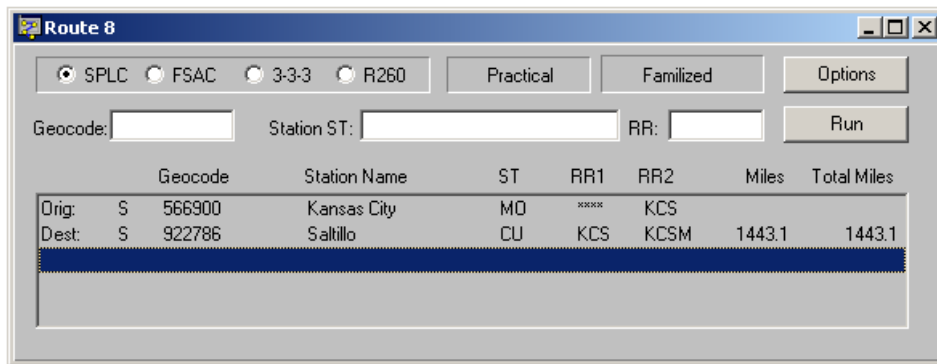
An example of familized versus non-familized routing is the following scenario: suppose you want to obtain miles from Kansas City MO to Saltillo, CU on the Kansas City Southern (KCS) and the Kansas City Southern de Mexico (KCSM) system.

If you use the **Familized** setting in Single Route mode and enter the origin location with KCS in the **RR** field, PC\*MILER|Rail will use both the KCS and KCSM networks (owned jointly by Kansas City Southern) to find the best route.

For example, when you enter Saltillo, CU as the destination, a pick list enables you to choose a destination railroad, as shown below, and you do not need to enter a junction:



*Pick List of Destination Railroads*

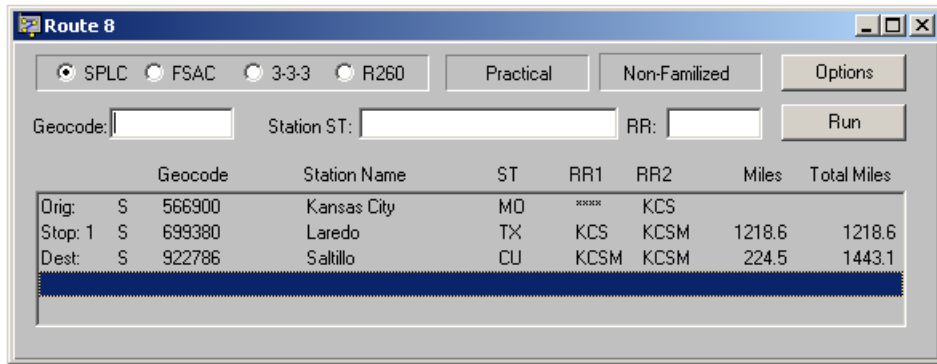


*FamiliZed Route – Kansas City, MO to Saltillo, CU*

If you were to enter this same origin with KCS specified as the origin railroad in **Non-FamiliZed** mode, an error message would appear when you enter the destination:



You could, however, choose to run a **Non-FamiliZed** route and enter an appropriate intra-family railroad-to-railroad junction that KCS and KCSM use to interchange rail traffic as shown below. See section 5.8.1, *Using the Junction Helper*, on finding available junctions on a route.



*Non-Familized Route – Kansas City, MO to Saltillo, CU*

In most cases, PC\*MILER|Rail users may wish to run routes over railroad families without having to choose an intra-family railroad-to-railroad junction. However, for some applications, such as car accounting or rate division calculations, entering the exact inter-carrier junction points is important so correct mileage by individual railroad may be calculated.

For applications such as car accounting or interline settlement, knowing which railroad serves each location is very important. If payments are split, the actual mileage over each individual railroad may be critical. In this case especially, the user should use the non-Familized setting and explicitly enter the correct intra-family railroad-to-railroad junction points using Single Route entry mode so that the mileage by individual railroad can be calculated.

## 5.4 How To Enter Railroad Locations

PC\*MILER|Rail gives you two basic methods of route entry:



**Single Route Entry:** If you know a route and just want to get the mileage, you can enter a sequence of locations and railroads manually in a single route entry window (select File menu > *New Route* or click the **New Route** button on the tool bar). A Junction Helper is available to provide a pick list of all junctions between specified railroads.



**AutoRouter Entry:** Alternatively, if you want PC\*MILER|Rail to suggest possible junctions and connecting railroads between two points, you can use PC\*MILER|Rail's AutoRouter feature (select File menu > *AutoRouter* or click the **AutoRouter** button on the tool bar).

For a detailed comparison of these two methods, see section 5.8, *Single Route Entry*, and section 5.9, *Using the AutoRouter*.



---

To generate routes and determine rail mileage using either of these methods, you must specify an origin and a destination, and optionally one or more intermediate locations using one of the geographic codes listed below (see sections 5.4.1 – 5.4.5 below for descriptions).

- Location Name and State/Province/Estado Abbreviation (**Station ST**)
- Standard Point Location Code (**SPLC**)
- Freight Station Accounting Code (**FSAC**)
- Eastern Railroad President's Conference Codes (**3-3-3**)
- Rule 260 Junction Codes (**R260**)

**NOTE:** Using single route entry, a railroad SCAC may also be entered along with any of these codes.

### 5.4.1 Station Name and State Abbreviation

Station names, as listed in the Centralized Station Master (CSM), are entered in the **Station ST** field in either the single route or AutoRouter window. They are entered without a comma between the station name and state abbreviation (you will get an error message if a comma is entered).

For spelling help or to search for a station name, type at least the first letter of the station, followed by an asterisk (\*) and the state/province/estado abbreviation (**do not include a comma** after the location name), then press <Enter> on your keyboard; for example, “**b\* id**” or “**MO\*PQ**”.

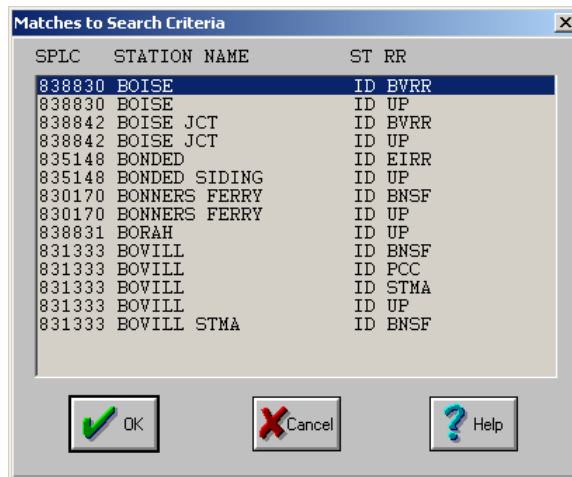
In the pick list of possible matches that pops up, highlight the correct location name and click **OK** (scroll the list if necessary to find the correct location name). Note that the type of code in the pick list will reflect which code is selected in the route entry window.

If you are typing in the full station name, it must be entered exactly as it appears in the PC\*MILER|Rail database (and as listed in the Centralized Station Master), otherwise an error message will be generated. If the “**Station Name Not Found**” error message appears, do a search as described above.

If you simply enter a station name and state abbreviation, the pick list that pops up will include a list of codes (appropriate to the type of code selected in the route entry window) and all railroads that serve the station that was entered.

When entering a station name, you can use up to 20 characters, and 2 characters for the state abbreviation. The name and state do not have to be separated by a space (although they can be), as the last two characters are always interpreted as the state/province/estado abbreviation. (For a table of official state/province/

estado abbreviations, select *State Names...* from the Help menu or press <F3>.)  
 If a station name contains two or more words, they must be separated by spaces.



*Pick List of Matches for Search On "bo\* id"*

Some examples of valid station name entries are:

**TEXARKANA TX**  
**ST LOUIS MO**  
**SALT LAKE CITUT**

Common abbreviations occurring in station names are:

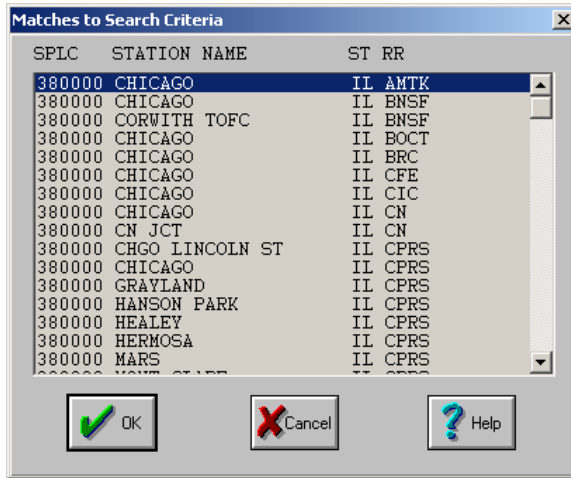
NORTH	N	BRIDGE	BR	MOUNTAIN	MT
SOUTH	S	FORT	FT	PARK	PK
EAST	E	JUNCTION	JCT	POINT	PT
WEST	W	MINE	MIN	SAINT	ST

## 5.4.2 Standard Point Location Codes (SPLC)

Click on **SPLC** at the top of the route entry or AutoRouter window and type any valid 6-digit Standard Point Location Code (SPLC) in the **Geocode** entry field. Then press <Enter> to prompt PC\*MILER|Rail to search for the corresponding station name. If the search was successful, the SPLC and station name will then appear in the **Geocode** and **Station ST** fields.

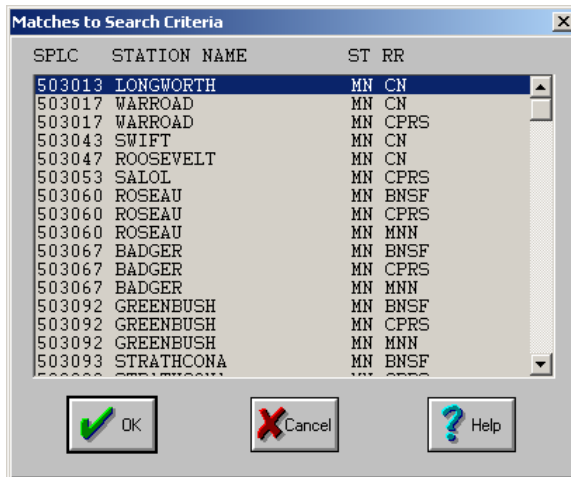
If more than one railroad serves the SPLC, a pick list will pop up as shown below. Scroll the list if necessary, highlight the correct location name and click **OK**, or double-click on it to select it.

**TIP:** When you enter a geographic code, entering a railroad's Standard Carrier Alpha Code (SCAC) along with the geocode may define the correct freight station immediately, or at least reduce the size of the pick list that is generated. To do this, don't press the <Enter> key after typing the SPLC code. Instead, place your cursor in the RR field, click, type the railroad SCAC, and then press <Enter>. For a list of railroads and their SCAC's, choose *Railroads* from the Help menu or see *Appendix C* and *D* at the end of this *User's Guide*.



*Pick List Showing Multiple Railroads Serving Chicago, IL*

If you are unsure of the exact six digits of the SPLC or receive the message “**No Matching Codes Found**”, type at least the first three digits of the code immediately followed by an asterisk in the **Geocode** field and press <Enter> to invoke a pick list of matches. For example, if you enter **503\*** as your SPLC, the pick list of freight stations shown below will pop up.



*Pick List of Matches For SPLC Search on “503\*”*

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### 5.4.3 Freight Station Accounting Codes (FSAC)

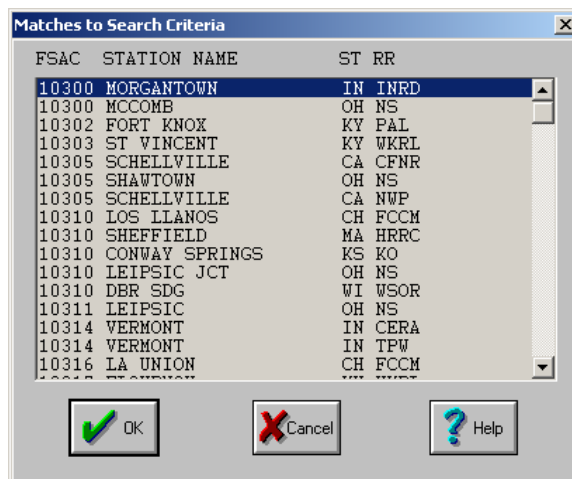
Entering Freight Station Accounting Codes (FSAC) is very similar to entering SPLC codes: click on **FSAC** at the top of the route entry or AutoRouter window, type the code in the **Geocode** entry field, then press **<Enter>**.

However, FSACs are unique to a given railroad; the same 5-digit FSAC will refer to a completely different location on another railroad. Therefore, the user should try to specify the desired railroad by entering that railroad's SCAC abbreviation in the **RR** field.

For a list of railroads and their SCAC's, select *Railroads* in the Help menu or see *Appendix C* and *D* at the end of this *User's Guide*.

If you are unsure of a particular FSAC or if you receive a “**No Matching Codes Found**” message upon entering a code, type at least the first three digits of the code immediately followed by an asterisk and press **<Enter>**. For example, entering **103\*** will pop up a pick list of matches as shown below.

Scroll the list if necessary to find the FSAC for the station you want. Highlight the correct station and click **OK**, or double-click on it to select it.

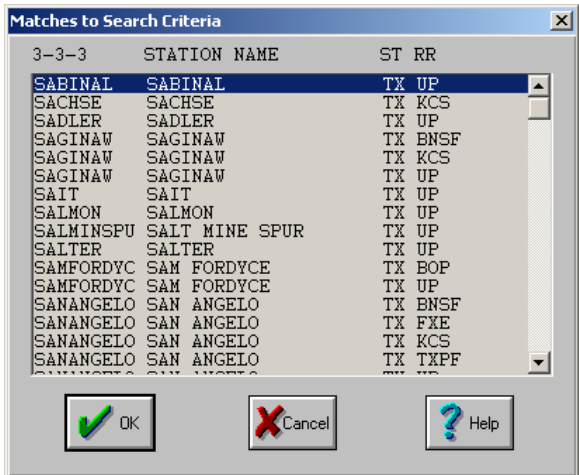


*Pick List For FSAC Search on "103\*"*

### 5.4.4 Eastern Railroad President's Conference Codes (3-3-3)

An Eastern Railroad President's Conference Code (3-3-3) is similar to a station/state spelling, except that 3-3-3 codes are limited to nine characters and abbreviated in accordance with specific rules of Railinc and the National Industrial Transportation League (NITL). These requirements are published in the *Rail User's Manual* by the NITL (1700 N. Moore St., Arlington VA).

For help with 3-3-3 code entry, click on **3-3-3** at the top of the single route entry window or the AutoRouter, then type at least two letters of the 3-3-3 code in the **Geocode** entry field, followed immediately by an asterisk and the state/province/estado abbreviation. Press **<Enter>** to invoke a pick list:



*Pick List For 3-3-3 Code Search on "sa\* tx"*

Scroll the list if necessary to find the station you want. Highlight the correct station and click **OK**, or double-click on it to select it.

For station names of nine or fewer characters, the normal spelling is used in 3-3-3 codes. For longer station names or multiple-word names, abbreviations for common words as well as a 3-3-3 spelling convention are used. In all cases, the two-letter state/province/estado abbreviation is required, with or without a space before it. For example:

SANTA FE NM . . . becomes . . . **SANFE NM**  
 FORT WAYNE IN . . . becomes . . . **FTWAYNE IN**  
 SALT LAKE CITUT . . . becomes . . . **SALLAKCITUT**

### 5.4.5 Rule 260 Junction Codes

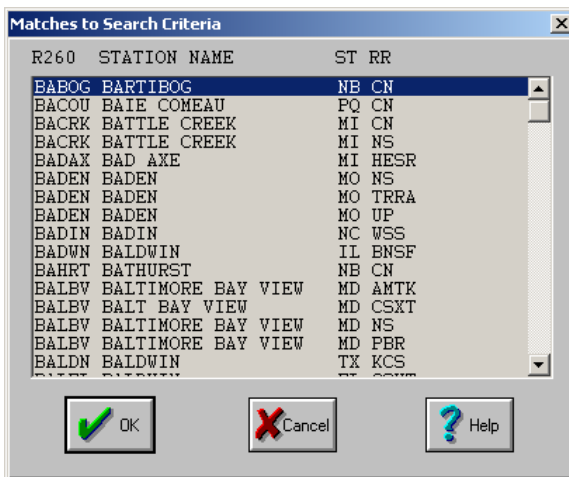
Rule 260 codes represent officially designated locations where two or more railroads interchange traffic with each other. They are abbreviated by unique 5-character alpha codes designated by Railinc.

To enter a Rule 260 code, click on **R260**, then type the full code in the **Geocode** field. To invoke a pick list of database matches, type at least one letter followed by an asterisk.

Examples of Rule 260 entries are:

<b>KANCY</b>	<b>KCITY</b>	<b>STRTR</b>	<b>CHI*</b>
<b>B*</b>	<b>BUFF</b>	<b>BUTLR</b>	

**REMINDER:** Specifying a railroad in the **RR** field will limit the search to only those junction points served by that railroad.



Pick List For Rule 260 Code Search on "b\*"

### 5.4.6 Inserting and Deleting Stations

In the single route entry window, freight stations may be inserted and deleted anywhere in the list of stops. Use the <F7> key to insert a station **above** the highlighted line, or the <F8> key to delete the highlighted line. (You could also use the Edit menu.) Use the arrow keys to move from stop to stop on the list.

To delete all stops, press the <ALT><F8> keys simultaneously or select *Delete All Stops* from the Edit menu.

## 5.5 Common Route Entry Error Messages

**NOTE:** For a complete list of all error codes you may encounter, see *Appendix F* (includes possible solutions to correct the problem).

The most common error messages that are returned when freight station and junction locations are entered are listed below.

- **No valid routes generated:** This message is returned when the AutoRouter is unable to find feasible routes between the origin and destination entered with

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the current settings. Try changing the **Terminal Switch RR's** option in the Options dialog box to **Include**.

- **Station name not found.** This message is returned when an incorrect station name is entered but the state abbreviation is valid, or when you use a comma between the station and state abbreviation (remove the comma and try again in this case). The station name spelling should match the Centralized Station Master registered name. Try using the spelling helper: type at least one letter of the station name, followed by an asterisk and the two-letter state abbreviation, then press <Enter>. You may also contact ALK Technologies to obtain a list of registered names.
- **State abbreviation not found:** Occurs in three situations: 1) an incorrect state abbreviation is entered with the correct station name; 2) both the station and state names are entered incorrectly; or 3) just the station name is entered without a state abbreviation. For a list of valid state abbreviations, press <F3>.

**NOTE:** The last two characters of a station name/state entry are always recognized as the state abbreviation.

- **RR 'X' does not get to this location:** (Single route entry window only) Occurs in three situations: 1) an invalid railroad SCAC is entered with a valid geocode or station/state name; 2) the railroad entered does not serve the geocode or station/state that was entered; or 3) the previous stop's railroad does not get to the current stop. See *Appendix D* and *E* for all valid railroads listed by SCAC and by full name.
- **Railroad stations are disconnected:** (Single route entry window only) One stop entered for a railroad is separated physically from another stop on the same railroad. Service by another railroad (often a member of the same railroad family) must be inserted into the route to connect the separated locations. This message may mean that stops have been deleted and re-entered, resulting in a disjointed route definition. Try using the Junction Helper (see section 5.8.1); or clear the screen by selecting *Delete All Stops* from the Edit menu, then re-enter and re-run the route.



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## 5.6 Using Override Files For Recurring Data Errors, Custom Name Creation and Junction Interchange Preferences

If you are experiencing recurring errors during route entry because the station or railroad you attempted to enter can't be found in the PC\*MILER|Rail database, there are override files you can use to correct this problem. These text files are located in the RAILNET subdirectory of your PC\*MILER|Rail installation (see Step 1 in the instructions below for the location of this folder).

The data override files can be used whenever different codes or names for stations in the user's database do not exactly match those registered with the Centralized Station Master files, the source for PC\*MILER|Rail's database.

Additionally, the override feature allows users to run routes to new stations created after the latest release of PC\*MILER|Rail, by using a neighboring station as a proxy to generate non-error routes with almost correct mileage.

Override files can also be used to create custom location names (use the OVERRIDE.NAM file) and to edit or create junction interchange preferences for interline routing (use the OVERRIDE.JCT file).

Each override file now includes instructions for its use, in comment lines beginning with the pound sign (#) at the top of the file. Additionally, a text file containing examples for each override file is included with the PC\*MILER|Rail installation. This sample file is named "Example Override Data.txt" and is located in the ...PCRWIN20\Railnet folder of your installation.

There are six override files for six types of station and railroad input:

OVERRIDE.ERP  
OVERRIDE.FSC  
OVERRIDE.NAM  
OVERRIDE.SCA  
OVERRIDE.SPL  
OVERRIDE.JCT

These files are blank initially, and may be filled with records (rows of text) that you add in the correct format for each type. The records you add will tell the PC\*MILER|Rail program that "when this is entered, it means that".

The added records must include an input column and a translation column. The input column contains an abbreviation or numerical configuration that a user might enter as a station location or railroad during route entry, and the translation column contains the valid entry for that location that PC\*MILER|Rail will recognize because it matches what's in the database.

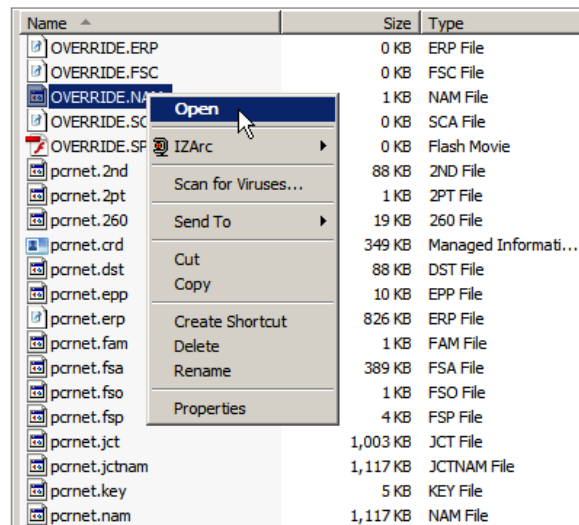
Follow the steps below to add data to an override file:

1. Find the Railnet folder in your PC\*MILER|Rail installation. For a typical installation, go to:

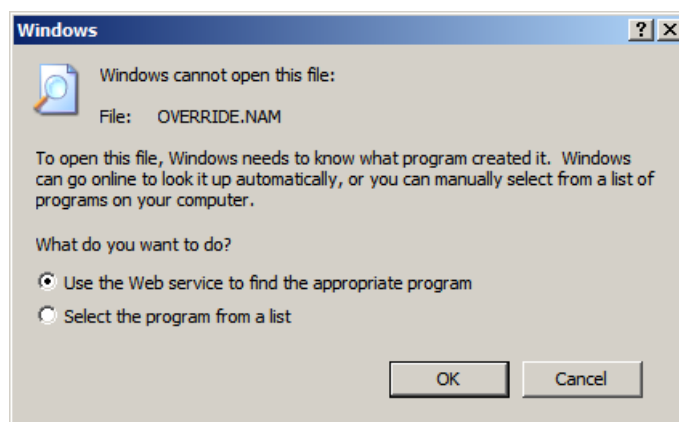
**C:\ALK Technologies\PCRWIN20\ Railnet;**

or if the installation location was customized, search for the **PCRWIN20\Railnet** folder on your computer using Windows Explorer.

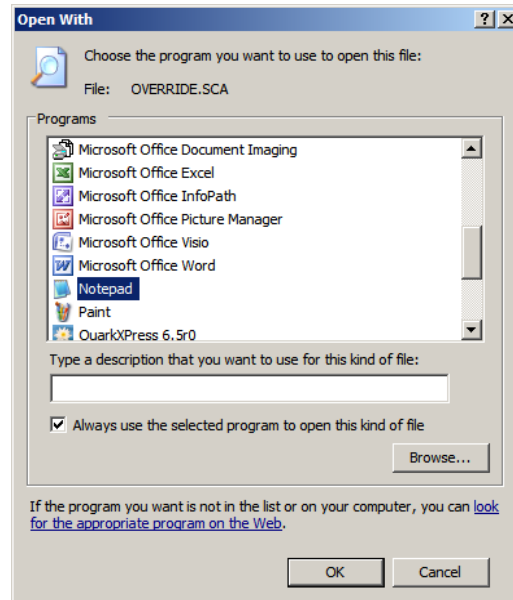
2. Right-click on one of the override files and select **Open** from the menu. (If you can do this successfully, skip to step 5 below; otherwise, continue to step 3.)



3. If Windows does not recognize the file type, a prompt will appear that asks how you want to search for an application that will open the file. Choose **Select the program from a list**.



4. A list of applications will open. Select **Notepad** or **Wordpad**.



5. In the override file, type your entries, matching the column structure appropriate to the file type (see descriptions for each file type below).
6. To save your changes, select *Save* from the File menu at the top of the Notepad or Wordpad window. The stations, railroads and/or preferences you added will now be valid when you input them during route entry.

Sample records for each file type are shown below. Detailed instructions for adding entries are included at the top of each file, in lines preceded by the pound sign (#).

### **OVERRIDE.SCA**

```
TFM KCSM;
```

The format for the entry must be: old or custom RR (SCAC) in positions 1-4, a blank, the proxy SCAC (recognized by PC\*MILER|Rail 20), and a semicolon at the end.

### **OVERRIDE.FSC**

```
ABCD 10000 09999;
```

The format for the entry must be: RR SCAC in positions 1-4, a blank, the new or custom 5-digit FSAC, a blank, the 5-digit proxy FSAC (recognized by PC\*MILER|Rail 20), and a semicolon at the end.

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### **VERRIDE.SPL**

ABCD 110000 089999;

The format for the entry must be: RR SCAC in positions 1-4, a blank, the new or custom 6-digit SPLC, a blank, the 6-digit proxy SPLC (recognized by PC\*MILER|Rail 20), and a semicolon at the end.

### **VERRIDE.ERP**

PALMCV PALMER MA;  
HAGECSXT MD HAGERSTOWMD;  
SALT LAKEUT SALLAKCITUT;

The format for the entry must be: 11-char ERPC/3-3-3 (new or custom code), a blank, the 11-char (including a 2-character state abbreviation in the last two places) proxy ERPC/3-3-3 (recognized by PC\*MILER|Rail 20), and a semicolon at the end.

### **VERRIDE.NAM**

MOOJAW SK MOOSE JAW SK;  
YOYO IL CHICAGO IL;

The format for the entry must be: up to 22-char name (new or custom station name), a blank, the up to 22-char (including a 2-character state abbreviation in the last two places) proxy Station Name (recognized by PC\*MILER|Rail 20), and a semicolon at the end. See section 5.7 for an alternate way to create custom names.

### **VERRIDE.JCT**

BNSF CSXT BHAM P A;  
BNSF CSXT BHAM C A;  
BNSF NS CHGO I F;  
BNSF NS CHGO A F;

The columns in this file from left to right are:

- RR1, up to 4 characters followed by 1 blank
- RR2, up to 4 characters followed by 1 blank
- R260 junction code, up to 5 characters followed by 1 blank
- Route type to which the preference will be applied (P=Practical, C=Coal/Bulk, I=Intermodal, A=Auto Racks), 1 character followed by 1 blank
- Type of preference (A=Avoid, F=Favorite), 1 character followed by a semicolon

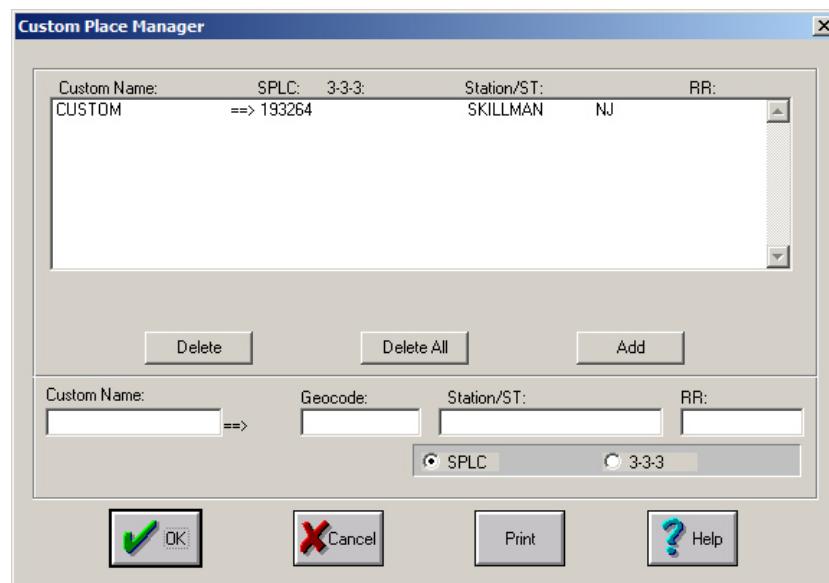
See section 5.11 for an alternate way to create junction interchange preferences.

## 5.7 Adding Custom Names to the Database

PC\*MILER|Rail gives you the ability to add custom station names to the database. One way to do this would be to use the override files as described in section 5.6 above.

Alternatively, to add custom names from within the user interface, select *Manage Custom Places* from the Tools menu. Then, in the Custom Place Manager, do the following:

1. Type a name in the **Custom Name** field;
2. Type a station name and state abbreviation **without a comma** in the **Station ST** field, OR
3. Select a type of geocode (**SPLC** or **3-3-3**) under the **Station/ST** field, then enter a SPLC or 3-3-3 code in the **Geocode** field;
4. Click **Add** to add the custom name to the PC\*MILER|Rail database.



*Custom Place Manager*

5. To enter a custom place as the origin, destination, or intermediate stop on a route, type the custom name in the **Station ST** field (state abbreviation is not necessary) or type its SPLC or 3-3-3 code in the **Geocode** field and press **<Enter>**.

## 5.8 Single Route Entry

PC\*MILER|Rail gives you two basic methods of entering a route, single route entry and AutoRoute entry. If you already know the route you want and just need to get the mileage, you'll be entering a sequence of locations and railroads manually in a single route entry window.

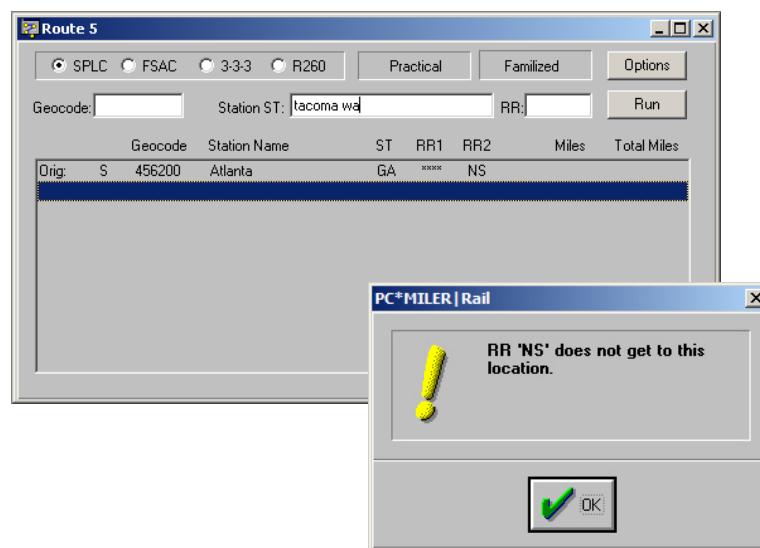
To open a single route window, select *New Route* from the File menu or click the **New Route** button on the tool bar. The single route sequence is made up of an origin location and railroad, a destination location and railroad, and (optionally) intermediate locations or junctions that define the route for consideration.

Except at the origin, PC\*MILER|Rail requires an inbound and outbound railroad at each location entered. PC\*MILER|Rail automatically designates the **inbound** railroad (**RR1**) at each location (except the origin) as the **outbound** railroad (**RR2**) from the preceding location.

To enter an origin, destination, or intermediate stop, type in each location in one of the formats described in section 5.4. (You can also enter stops in this window directly from the map by using the **Pick Stops** button – see section 6.2.2.) Press **<Enter>** to bring up a pick list of railroads, or add a railroad abbreviation in the **RR** field first and press **<Enter>**.

Note that the stop list displays the type of code for each location entered, represented by **S** (SPLC/Station-State), **F** (FSAC), **E** (ERPC), or **R** (Rule 260).

**To run a single route, you must specify each location where a change of railroads (or railroad families) occurs.** In the example shown below, PC\*MILER|Rail would not permit Tacoma, WA to be entered on the second line because Norfolk Southern doesn't get there.



*Location Entry Error*

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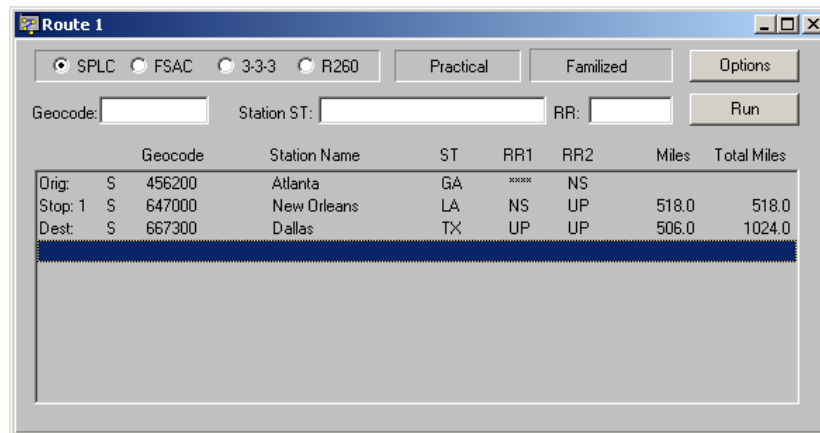
In this instance, to get a list of valid railroad junctions between Norfolk Southern and a railroad that serves Tacoma, you would use the Junction Helper (see section 5.8.1 below).

**REMINDER:** To see a list of railroads sorted by SCAC or railroad name, select *Railroads* in the Help menu or press the <Ctrl><F3> or <Alt><F3> keys simultaneously. Or, refer to *Appendix C* or *D* in this *User's Guide*.

To edit any entry, highlight it on the stop list, then type over it in the appropriate entry field above the list.

Once you enter an origin and at least one subsequent stop, routes can be generated and mileage calculated by clicking on the **Run** button (or pressing the <F10> key). The distance between each pair of locations as well as the cumulative distance along the route will be shown next to each stop.

If the message “**Railroad stations are disconnected**” appears, one stop entered for a railroad is separated physically from another stop on the same railroad. Service by another railroad (often a member of the same railroad family) must be inserted into the route to connect the separated locations. This message may mean that stops have been deleted and re-entered, resulting in a disjointed route definition. Clear the screen by selecting *Delete All Stops* from the Edit menu. Re-enter the route and click on the **Run** button or press <F10> again.



The screenshot shows a window titled "Route 1" with a menu bar containing "SPLC", "FSAC", "3-3-3", and "R260". Below the menu bar are buttons for "Practical", "Famitized", and "Options". There are input fields for "Geocode:", "Station ST:", and "RR:", followed by a "Run" button. The main area contains a table with the following data:

	Geocode	Station Name	ST	RR1	RR2	Miles	Total Miles
Orig:	S 456200	Atlanta	GA	xxxx	NS		
Stop: 1	S 647000	New Orleans	LA	NS	UP	518.0	518.0
Dest:	S 667300	Dallas	TX	UP	UP	506.0	1024.0

*Route Generated in the Single Route Window*

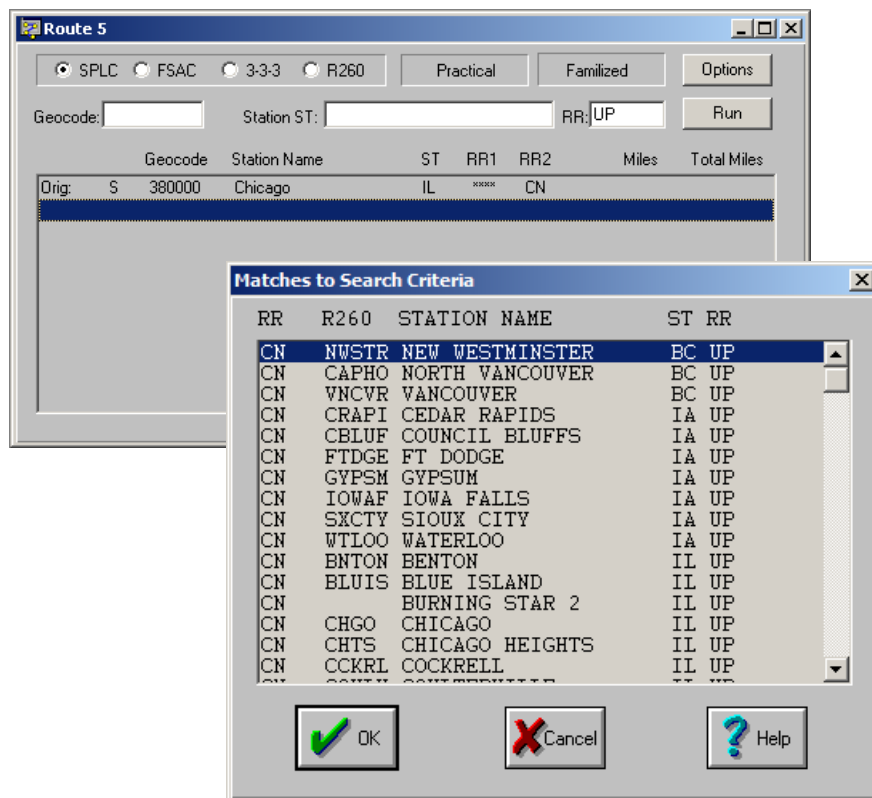


## 5.8.1 Using the Junction Helper

A Junction Helper is available to provide you with a list of valid railroad junctions between two railroads when you enter a single route manually.

The Junction Helper can only be used when entering a stop or destination (not an origin). To invoke it, type a railroad abbreviation in the **RR** field and press **<Enter>**, then select the junction you want from the pick list and click **OK**.

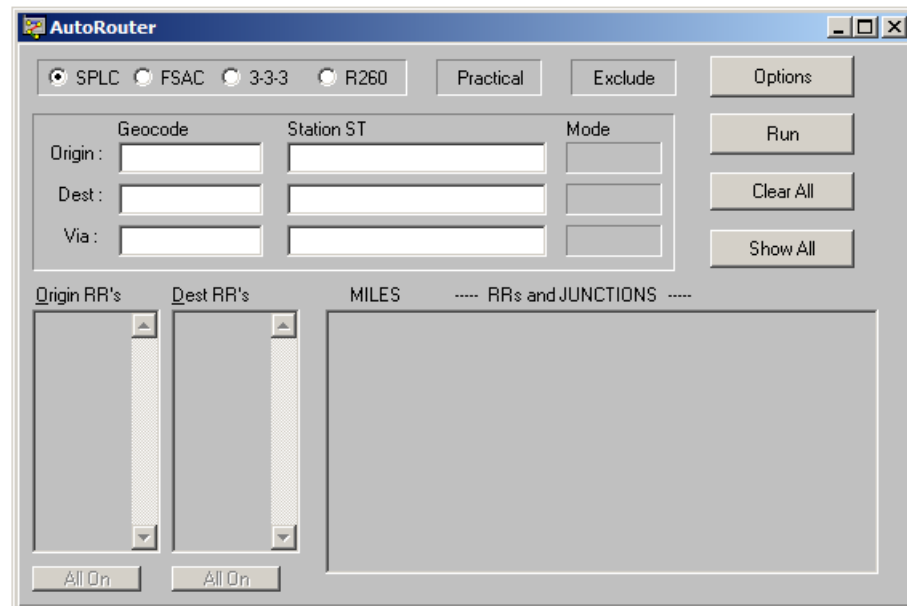
For example, if you enter Chicago, IL and CN as the origin location and railroad, you can then enter **UP** as the railroad for the next stop without specifying a location, and the Junction Helper will show you every junction available between CN and UP.



*Using the Junction Helper*

## 5.9 Using the AutoRouter

PC\*MILER|Rail can automatically generate a list of valid railroad junction sequences between any two points in North America. To use the AutoRouter, select *AutoRouter* from the Route menu or click the **AutoRouter** button on the tool bar to invoke the AutoRouter window.



*The AutoRouter Window*

To generate a route, first type in an origin and press **<Enter>** using any of the standard geocode formats as described in section 5.4. PC\*MILER|Rail then lists the railroads serving the origin under **Orig RR's** (bottom left corner). Railroads that do not have stations on the route from origin to destination are grayed out.

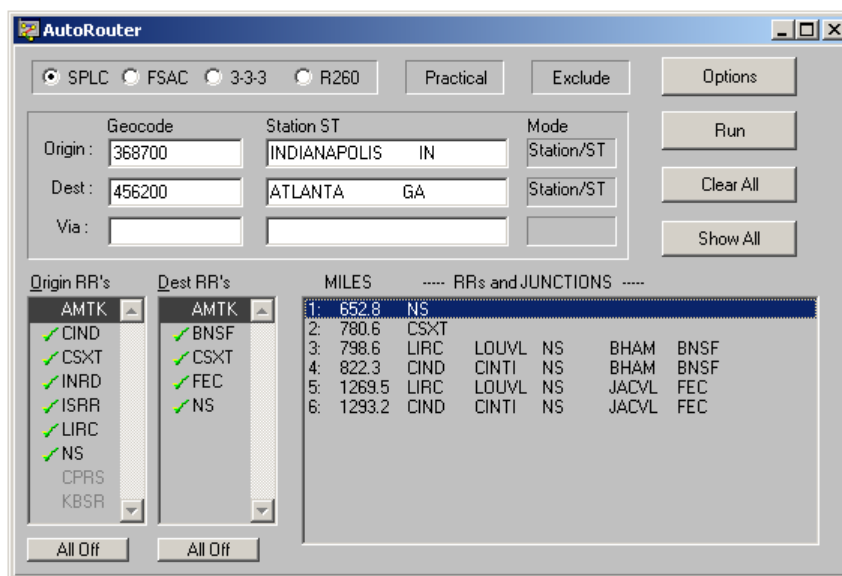
To exclude a railroad that should not be considered for the origin of the route, double-click on it to remove the checkmark next to it, or highlight it and press **<Enter>** (scroll up and down the list if necessary). Double-click again to replace the checkmark. If you want to exclude all railroads on the origin list, click the **All Off** button underneath it. (This is a toggle button, so it will read **All On** after you click it. To include all railroads on the list, click **All On**.) Railroads without active stations are displayed in a lighter font. By default, they are unchecked, as are Amtrak railroads.

Now enter a destination in the same way as the origin, choosing which railroads to include and exclude from the **Dest RR's** list. You also have the option of entering one “via” location; that is, a freight station you wish your route to pass through. (This will take extra time to process, as more calculations may be required.) Click on the **Run** button to generate the route. All possible routes will be listed under **RRs and Junctions**, along with the distance each route travels.


**To edit your location entries**, simply type over them in the entry fields. The **Clear All** button will clear all entries so you can begin again.

Typically, the number of routes generated will be a product of the number of railroads serving the origin times the number of railroads serving the destination. Exceptions occur when a railroad serves both origin and destination; it is unlikely that this railroad will participate in other inter-line routings. Routes with the originating or terminating carrier having a switch move only (common with terminal railroads) may be included or excluded depending on whether **Include** or **Exclude** is chosen under **Terminal Switch RRs** in the Options dialog box (see section 5.10 below). **Exclude** is the default option.

The routes generated and kept will be listed in order of fewest junctions between railroads of different families and fewest total miles. Routes are shown as a sequence of railroad SCACs and Rule 260 codes.



*Routes Generated in the AutoRouter*

To view any route in more detail, simply highlight it on the list and press **<Enter>**. The route will appear in its own route entry window, and can be rerun and edited if desired. It will also be added to the map in the map window when you do this. To display all generated routes on the map, click the **Show All** button. To bring the map window forward, click the **Map** button  on the application tool bar or use the Windows menu.

Your route can also be saved (see section 5.13, *Saving and Loading Routes*).

**NOTE:** Only eight route windows can be open at one time.

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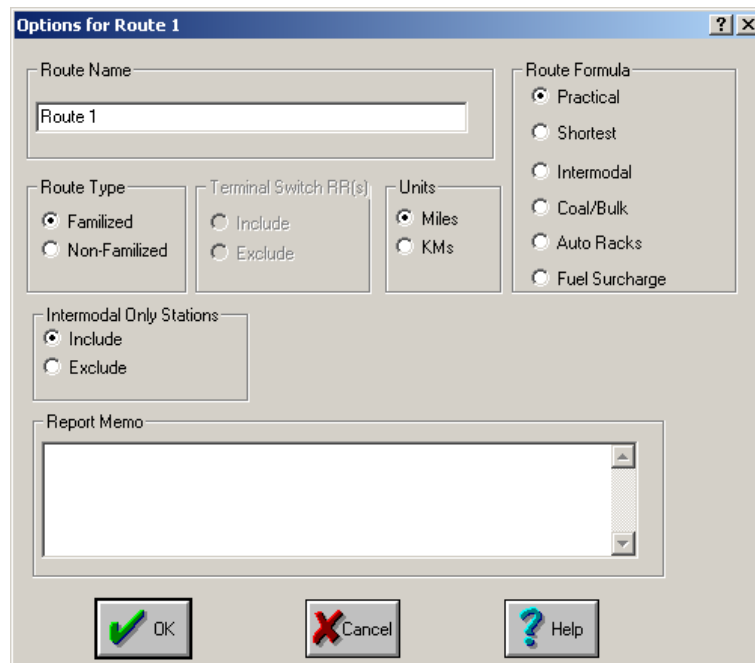
**NOTE:** The routing algorithms used in PC\*MILER|Rail are identical to those used in the traffic diversion studies for major railroad and government clients that ALK Technologies has produced since 1979. The routes generated are listed in order of fewest junctions and least miles, and are not necessarily the best or most efficient routing options. They are merely feasible, practical routings based on ALK's observation of actual, historical traffic movements over many years.

To see a report for one of the AutoRoutes without opening a route window first, highlight it on the list and click the right mouse button. Then select Detailed Report, Key Station Report, or Detailed Geocode Report from the menu that pops up.

## 5.10 Route Options

PC\*MILER|Rail gives you several options to choose from when running a route. The available options vary depending on whether you are using single route entry or the AutoRouter. Route options affect how rail lines and junctions are selected for a route, total route mileage, and (with AutoRouting) the number of routes that are generated.

To open the Options dialog box, click on the **Options** button in either the single route or AutoRouter window. If an option is not available, it will be grayed out. The Options dialog box shown below was opened from the single route entry window, therefore the **Terminal Switch RRs** options are not active.



*Options Dialog Box*

---

Use the Options dialog box as follows:

- **Route Name:** To give a route a custom name, type the name in this field. This name appears in the title bar of the route entry or AutoRouter window, on reports, and on the Route Legend in the map window.
- **Route Type:** Choose whether your route should run in **Familized** or **Non-Familized** mode. This option is only available for single route entry. See Section 5.3, *About Railroad Families*, for more information.
- **Intermodal-Only Stations:** When generating Practical routes, this option indicates whether to **Include** or **Exclude** stations that provide only intermodal service. Note that when the **Intermodal** route formula is selected (see below), excluding intermodal-only stations is not an option.
- **Report Memo:** The comments you type in this field will appear on reports.
- **Terminal Switch RR's:** When using the AutoRouter, routes with the originating or terminating carrier having a switch move only (common with terminal railroads) may be included or excluded. The default for this option is **Exclude**. This option affects the number of routes that are generated.
- **Units:** Choose whether distances should be calculated in **miles** or **kilometers**.
- **Route Formula:** Six route formulas are available to generate routes:
  - **Practical** routings simulate the most likely movements of general merchandise train traffic. Main lines are preferred to branch lines. A Practical route can sometimes be more circuitous than the shortest possible route.
  - **Shortest** route calculations find the rail route with the least distance between the stops. In the Single Route entry mode, the shortest path within the railroad is determined for each segment. In AutoRouter, the shortest path across all North American railroads is calculated, irrespective of origin and destination railroad user choices.
  - **Intermodal, Coal/Bulk, or Auto Racks** may be used to determine the exceptional routings that these types of trains sometimes require.
  - **Fuel Surcharge** routing is essentially a combination of the Shortest and Practical route formulas (because some railroads use Shortest mileage and some use Practical mileage when figuring their fuel surcharges). It provides mileage suitable for calculating fuel surcharges in conformance with the recent Surface Transportation Board ruling STB Ex Parte No. 661.

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**NOTE:** Section 5.2, *PC\*MILER/Rail Route Calculation*, provides some general information about how routes are calculated.

When you have selected your options, click on **OK** to close the dialog box and save your choices. Options must be re-selected for each route you run.

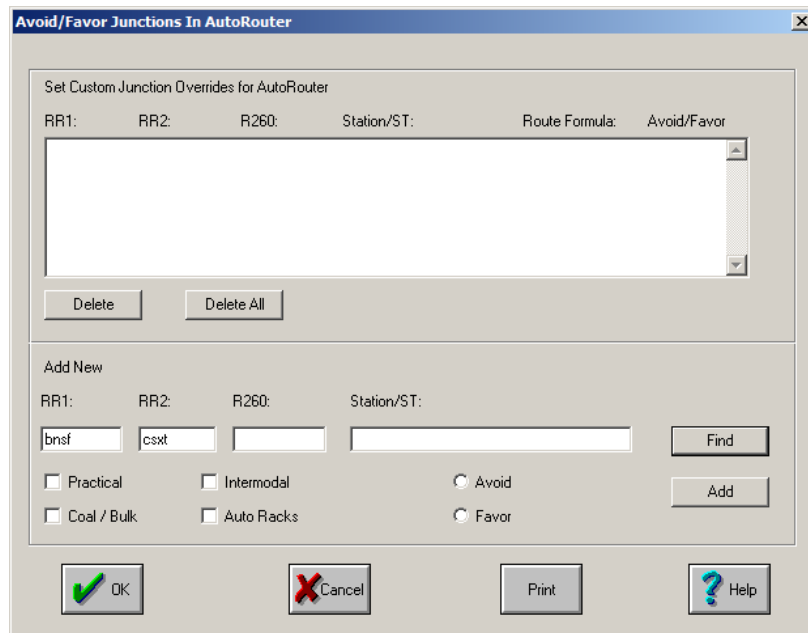
### 5.10.1 Setting Your Own Default Options

To set your own defaults for PC\*MILER|Rail's routing options, choose *Default Options...* from the Route menu.

The Default Options dialog box is identical to the Options dialog box. The settings you enter in the Default Options dialog box will remain in effect as defaults until the next time they are changed.

## 5.11 Avoid or Favor Interchange Junctions in the AutoRouter

PC\*MILER|Rail users now have the ability to designate junction interchanges to be avoided or favored on a route. These custom interline routing preferences are specified for the AutoRouter, and apply to both directions. Preferences are stored in an "OVERRIDE.JCT" text file that may be viewed and edited, allowing the user to manually add a long list of junctions to be avoided or favored if desired (see section 5.6 on editing these files).

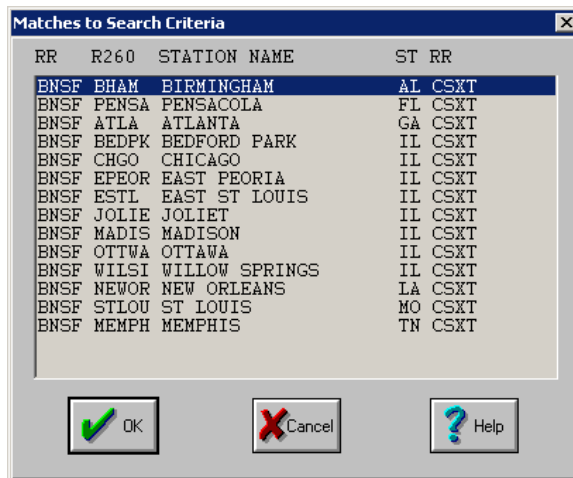


*Avoid/Favor Junctions in AutoRouter Dialog Box*

The steps below provide an example of how to designate a junction to be avoided or favored in the AutoRouter. This example uses the BNSF and CSXT railroads and Birmingham, AL as a junction to be avoided:

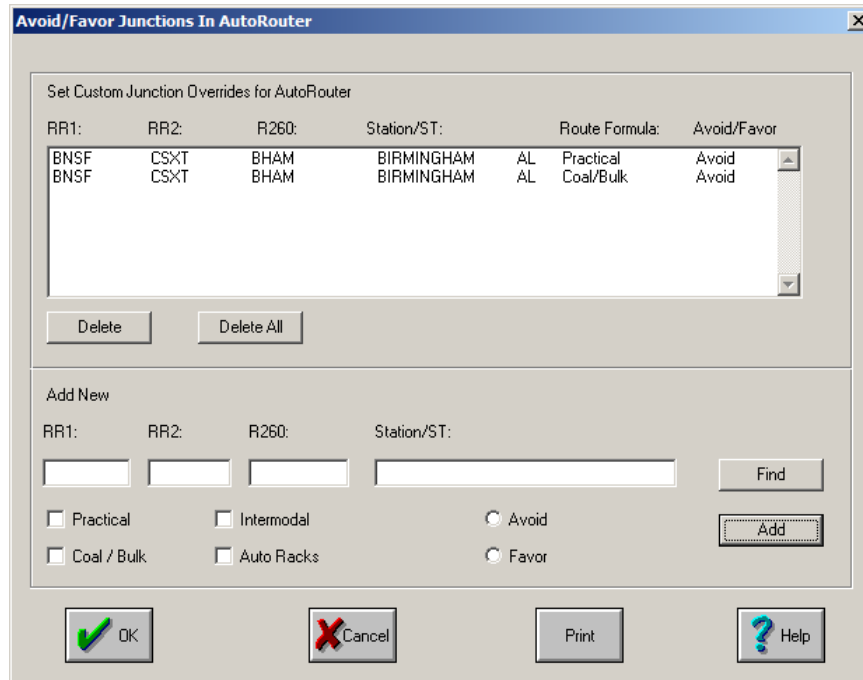
1. Select **Tools menu > Manage Junction Avoid/Favors** or simultaneously hit the **<Ctrl>** and **<F2>** keys on your keyboard to bring up the Avoid/Favor Junction in AutoRouter dialog box.
2. Enter “BNSF” as **RR1** and “CSXT” as **RR2**. Note that either RR1 or RR2 can be the forwarding or receiving carrier.
3. The next step requires you to enter the R260 code and station name for the junction location that you wish to avoid or favor. Click **Find** to bring up a pick list of all junction interchanges for RR1 and RR2.

Note that two out of the three input fields – RR1, RR2, and location (R260 or Station/ST) – must have an entry; otherwise an error message will be invoked.



*Pick List of R260 Station Names*

4. Click **OK** to select the station highlighted at the top of the pick list, Birmingham, AL (BHAM). Note that if the location-railroad combination you select were to duplicate a preference that already exists, an error message would be invoked.
5. Under the railroad and location, select **Avoid** and check **Practical** and **Coal/Bulk** to indicate the route type(s) that should avoid Birmingham as an interchange.
6. As the last step, click **Add** to add these new custom junction preferences (one for Practical routes and one for Coal/Bulk routes) and then click **OK** to exit the dialog box, saving your edits.

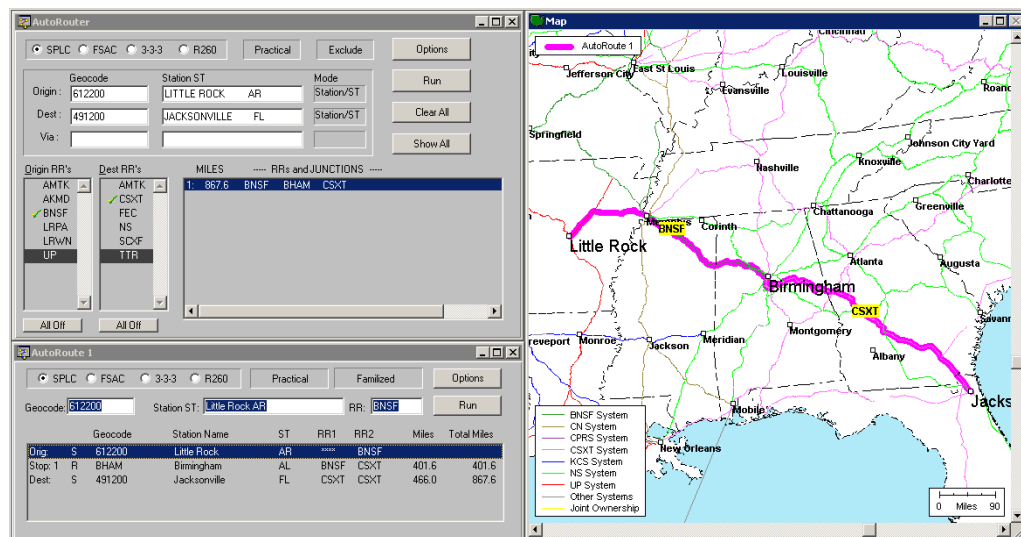


*List of Custom Junctions To Be Avoided*

A generated route from Little Rock, AR to Jacksonville, FL is shown below. This route uses BNSF as the Origin railroad and CSXT as the Destination railroad, and illustrates the effect of the new junction preferences.

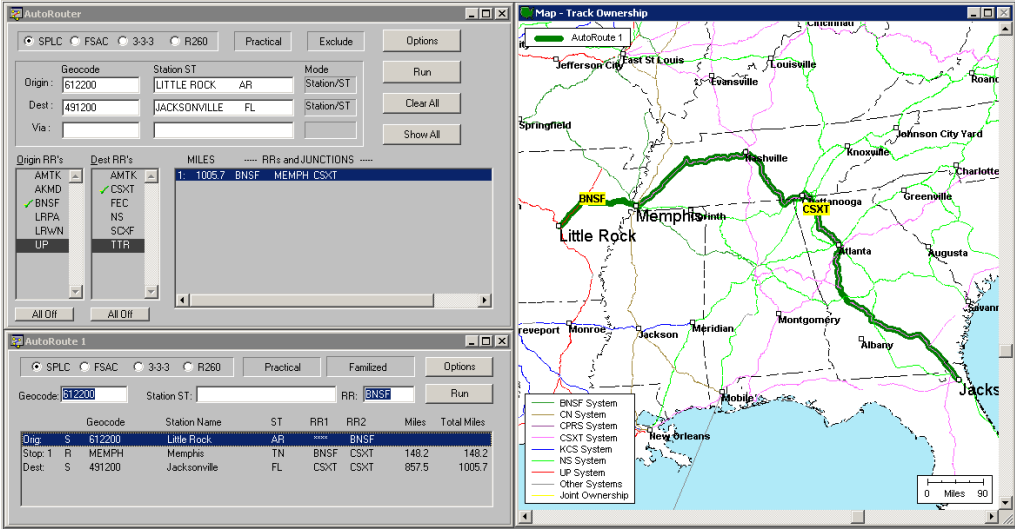
The first screenshot shows the route before the preferences were added; and the second screenshot shows how the route avoided Birmingham after that junction was designated to be avoided, routing through Memphis, TN instead.

**Before – Route Uses Birmingham, AL as an Interchange:**

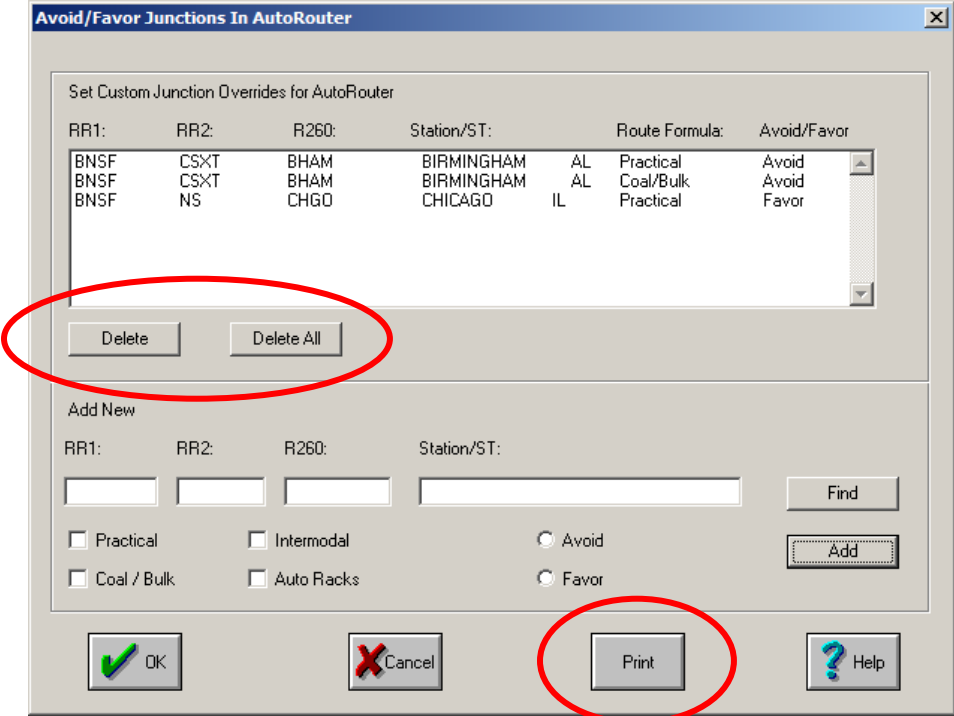




**After – Route Uses Memphis, TN as an Interchange:**



To print the list of saved junction preferences, open the Avoid/Favor dialog box again and click the **Print** button. To delete a preference, highlight it on the list and click **Delete**. To delete all preferences on the list, click **Delete All**.



*Print and Delete Buttons*

Here is an example of saved junction preferences as they appear in the OVERRIDE.JCT text file, usually found in C:\ALK Technologies\PCRWIN20\Railnet (see section 5.6):

```
BNSF CSXT BHAM P A ;
BNSF CSXT BHAM C A ;
BNSF NS CHGO I F ;
BNSF NS CHGO A F ;
```

The columns from left to right are:

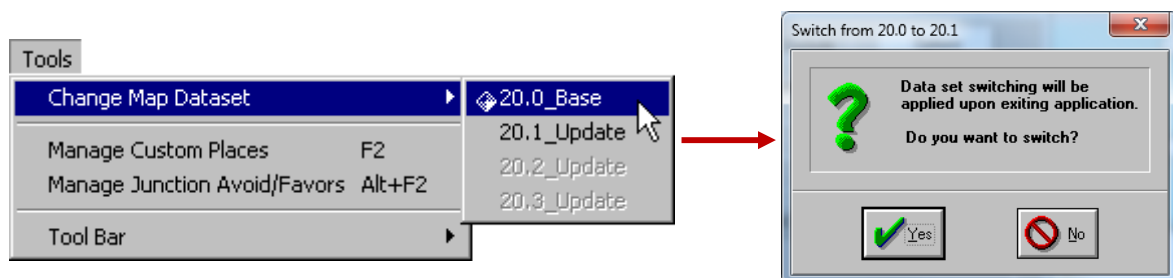
- RR1, up to 4 characters followed by 1 blank
- RR2, up to 4 characters followed by 1 blank
- R260 junction code, up to 5 characters followed by 1 blank
- Route type to which the preference will be applied (P=Practical, C=Coal/Bulk, I=Intermodal, A=Auto Racks), 1 character followed by 1 blank
- Type of preference (A=Avoid, F=Favorite), 1 character followed by a semicolon

**NOTE:** As mentioned, an unlimited number of preferences may be added manually to this file, in the format shown above.

## 5.12 Changing the Map Dataset

The PC\*MILER|Rail industry-standard rail network database is updated annually to include the most current data available for each version release, and three additional updates to the base data are provided throughout the year. In previous versions, when users downloaded an update, the download process would overwrite their previous dataset with the new data. Beginning in Version 20, each update is downloaded to a separate folder and users can choose which dataset to use at any time. The active dataset will always be displayed in the title bar of the application window, for example “PC\*MILER|Rail 20.0\_Base”.

To switch between datasets, in the PC\*MILER|Rail application window select the Tools menu > *Change Map Dataset* > and choose a set from the menu. You will be prompted to close the PC\*MILER|Rail application to apply the new dataset. Note that for a dataset to be available, it must have been downloaded using the “Check for Updates” tool in the Help menu.



*Switching the Map Dataset*

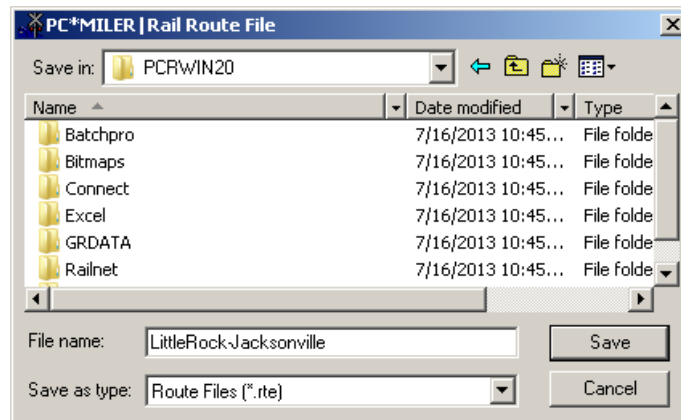
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## 5.13 Saving and Loading Routes



Routes may be saved for future use and/or reference. Saving routes enables you to create a library of standard routings that can be maintained over time and re-used.

To save a route, choose *Save Route As...* from the File menu or click on the **Save Route** button on the tool bar to bring up the Save Route dialog box shown below. The format of this dialog box is a standard Windows feature for saving your files.



*Saving a Route*

Choose the drive and directory in which you want the file containing your route to be placed, and type a file name for the file in the **File Name** field. Valid file names can be any length (though they are truncated when displayed in DOS). Spaces, periods and other punctuation marks are not valid characters for the file name.

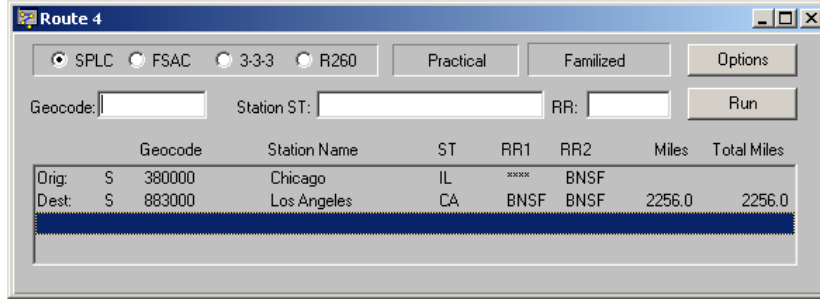
To load a previously saved file, choose *Open Route...* from the File menu or click on the **Open** button on the tool bar. This will bring up a dialog box similar to the one you used to save your route. After choosing the drive and directory where your file is located, select your saved file from the **File Name** pick list or type the complete file name in the **File Name** field. Then click on **OK**.

All the settings used to create the file will be restored. If the route was run and reports were created before it was saved, you do not need to rerun it in order to see reports and a map display of the route.

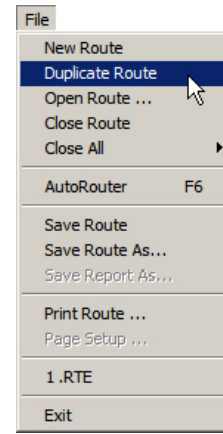
## 5.14 Route Duplication

In PC\*MILER|Rail, whole routes – including all stops, carrier information and options – can now be duplicated without stop re-entry, making route comparisons easy and fast, as in the example below:

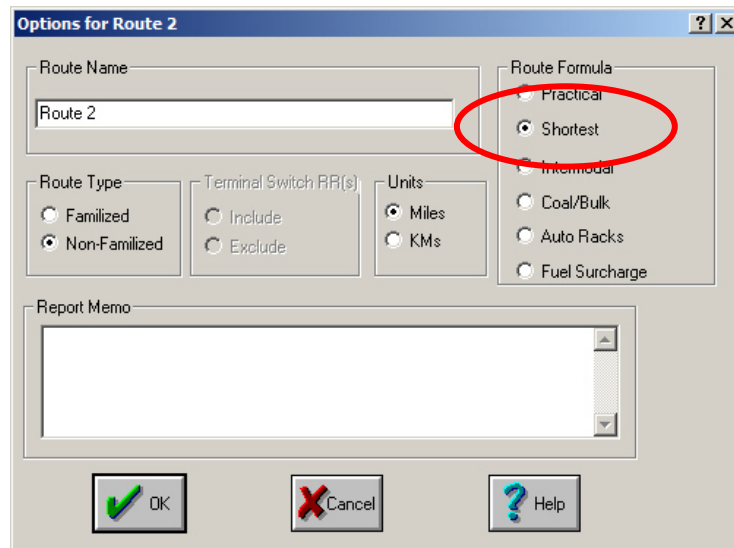
1. An initial route is run from Chicago, IL to Los Angeles, CA on the BNSF railroad:



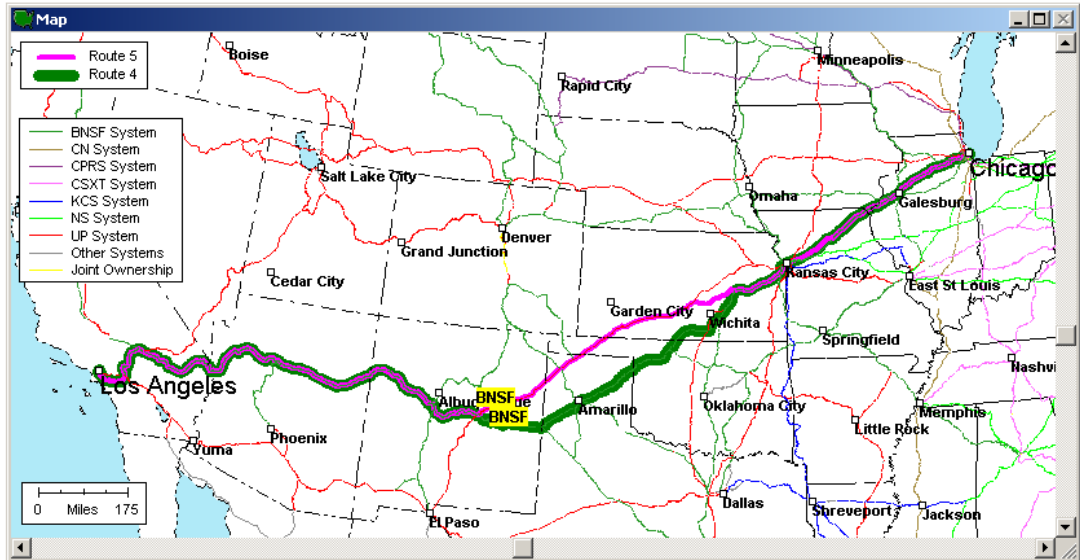
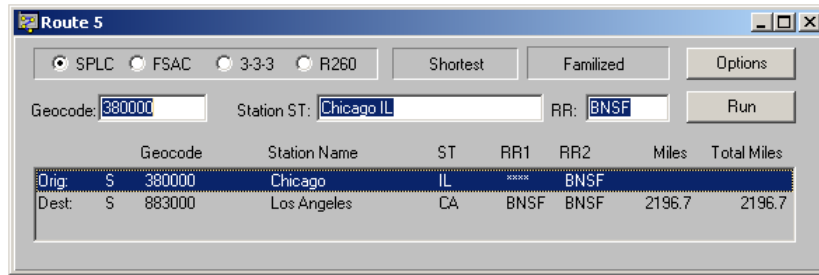
2. With the route entry window open, select *Duplicate Route* from the File menu to duplicate it.



3. Click the **Options** button in the new route window, change the route type to **Shortest**, and click **OK**.



4. Run the new route.



*Route Comparison on the Map: Practical vs. Shortest*

## 5.15 Printing Routes

Generated routes can be printed. To print, select *Print Route...* from the File menu when the route window is active or click the **Print** button on the tool bar.

Route windows that can be printed include single route entry windows (all stops), the AutoRouter (the list of all generated routes), windows that display each individual AutoRouter route (all stops on each route), and the map window.

**R**outes between stops are calculated by PC\*MILER|Rail using one of six routing formulas (see section 5.10, *Route Options*). After a route has been generated manually, leg and cumulative mileage appear in the single route entry window. If a route has been run using the AutoRouter, you can see the mileage by double-clicking on that route in the list of routes in the AutoRouter window.

For every generated route, three reports are available that show you more detailed information. Each route can also be drawn on the map in the map window. This chapter describes the PC\*MILER|Rail route reports and explains how to use the map window.

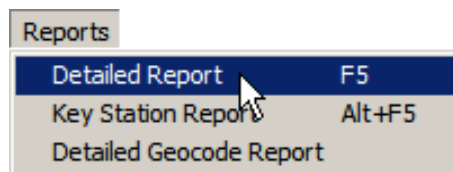
## 6.1 Reports

After running or loading a route, you can examine the route more closely by viewing the Detailed Route Report, the Key Station Report, and/or the Detailed Geocode Report.

To view a report, **the window containing the route must be active** (the title bar of the window should **not** be gray; click on the window to activate it or select it from the Windows menu). Also, **any other reports that are open need to be closed or minimized**.

To see the Detailed Route Report, either click on the **Detailed Report** button on the tool bar, or choose *Detailed Report* from the Reports menu.

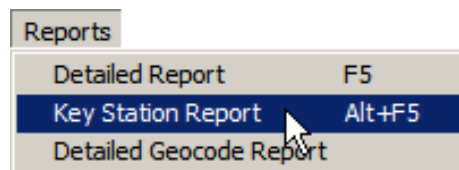
The Detailed Route Report lists all points on the route, along with leg mileage and cumulative mileage between the origin and destination. At the bottom of the report you'll also see a summary of state mileage and a breakdown of mileage by railroad.



Detailed Report for Route 6: Chicago,IL to Los Angeles,CA				
Miles : 2256.0, Practical, Familized				
RR	ST	Station Name	Leg Miles	Total Miles
BNSF	CA	Fullerton	2.8	2228.6
BNSF	CA	Basta	2.5	2231.1
BNSF	CA	Buena Park	2.7	2233.8
BNSF	CA	La Mirada	2.6	2236.4
BNSF	CA	Santa Fe Spgs	2.7	2239.1
BNSF	CA	Los Nietos	2.0	2241.1
BNSF	CA	D T Jct	0.9	2242.0
BNSF	CA	Pico Rivera	1.2	2243.2
BNSF	CA	Bandini	1.1	2244.3
BNSF	CA	Hobart	3.8	2248.1
BNSF	CA	Hobart Twr	1.5	2249.6
BNSF	CA	Redondo Jct	1.3	2250.9
BNSF	CA	Mission Tower	3.1	2254.0
BNSF	CA	Glendale Jct	1.1	2255.1
BNSF	CA	Los Angeles	0.9	2256.0
<b>Destination: Los Angeles CA</b>				
		STATE	MILES	
		AZ	384.8	
		CA	393.1	
		IA	20.9	
		IL	220.8	
		KS	294.6	
		MO	198.5	
		NM	417.2	
		OK	114.7	
		TX	211.4	
		RR	MILES	
		BNSF	2256.0	
		TOTAL	2256.0	

*Detailed Route Report Showing Destination and State Mileage Summary*

To see the Key Station Report, either click on the **Key Station Report** button on the tool bar or choose *Key Station Report* from the Reports menu.

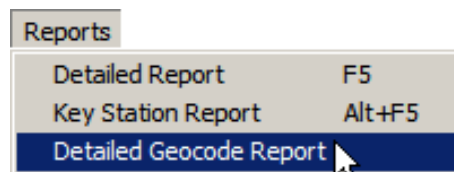


The Key Station Report includes user-specified stops and key stations on the route, with leg and cumulative mileage. Like the Detailed Route Report, it also includes a breakdown of mileage by state and by railroad at the end of the report. SPLC, 3-3-3 (ERPC) and R260 codes are shown for each key station.

RR	SPLC	ST	Station Name	Station(3-3-3)	R260	Leg Miles	Total Miles
<b>Origin: Chicago IL</b>							
BNSF	381290	IL	Brookfield	BROOKFIEL		12.4	12.4
BNSF	385922	IL	Oneida	ONEIDA		139.9	152.3
BNSF	566770	MO	Missouri City Scanr	MISCITSCA		268.1	420.4
BNSF	581584	KS	Morris	MORRIS		29.0	449.4
BNSF		KS	KS/OK Ln			285.4	734.8
BNSF	631417	OK	Noel	NOEL		20.0	754.8
BNSF	790147	AZ	Chambers	CHAMBERS		750.7	1505.5
BNSF	794222	AZ	Nelson	NELSON		250.3	1755.8
BNSF	880365	CA	Lavic	LAVIC		240.3	1996.1
BNSF	886631	CA	Prenda	PRENDA		201.4	2197.5
BNSF	883000	CA	Los Angeles	LOSANGELE	LOSAN	58.5	2256.0
<b>Destination: Los Angeles CA</b>							
						<b>STATE</b>	<b>MILES</b>
						AZ	384.8
						CA	393.1
						IA	20.9
						IL	220.8
						KS	294.6
						MO	198.5
						NM	417.2
						OK	114.7
						TX	211.4
						<b>RR</b>	<b>MILES</b>
						BNSF	2256.0
						<b>TOTAL</b>	<b>2256.0</b>

*Key Station Report*

To see the Detailed Geocode Report, either click on the **Detailed Geocode Report** button on the tool bar or choose *Detailed Geocode Report* from the Reports menu. The Detailed Geocode Report includes the same information as the Detailed Route Report, but also lists geographic codes for each stop. The types of codes listed are SPLCs, 3-3-3s, and R260s.

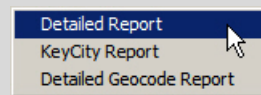




RR	SPLC	ST	Station Name	Station(3-3-3)	R260	Leg Miles	Total Miles
<b>Origin: Chicago IL</b>							
BNSF	380225	IL	Chicago Lake St	CHILAKSTR		0.1	0.1
BNSF	380233	IL	Cpt	CPT		0.1	0.2
BNSF	380012	IL	Chicago Union Sta	CHIUNISTA		0.1	0.3
BNSF		IL	Chgo Roosevel			0.6	0.9
BNSF	380030	IL	Chicago Canal St	CHICANSTR	CHGCA	0.5	1.4
BNSF		IL	Chgo Union Av			0.4	1.8
BNSF		IL	Chgo Halstead			0.1	1.9
BNSF		IL	Chgo Wood St			1.6	3.5
BNSF	380423	IL	Chicago Western Ave	CHIWESAVE	CHGWA	0.3	3.8
BNSF	381280	IL	Cicero	CICERO	CICRO	3.4	7.2
BNSF	381282	IL	Clyde	CLYDE		1.4	8.6
BNSF	381270	IL	Berwyn	BERWYN		1.1	9.7
BNSF	381275	IL	Riverside	RIVERSIDE		1.4	11.1
BNSF	381290	IL	Brookfield	BROOKFIEL		1.3	12.4
BNSF	381250	IL	Congress Park	CONPK		0.7	13.1
BNSF	381295	IL	La Grange	LAGRANGE		0.6	13.7
BNSF	381296	IL	Western Springs	WSPRINGS		1.8	15.5
BNSF	382040	IL	Hinsdale	HINSDALE		1.4	16.9
BNSF	382043	IL	Clarendon Hills	CLAHILLS		1.4	18.3
BNSF	382007	IL	Westmont	WESTMONT		1.2	19.5
BNSF	382049	IL	Downers Grove	DOWNGROVE		1.7	21.2
BNSF	382052	IL	Belmont	BELMONT		1.7	22.9
BNSF	382055	IL	Lisle	LISLE		1.6	24.5
BNSF	382073	IL	Naperville	NAPERVILL		4.0	28.5
BNSF	382082	IL	Eola	EOLA	EOLA	5.0	33.5
BNSF		IL	WEola			1.9	35.4

*Detailed Geocode Report*

**AutoRouter TIP:** You can view a report for any AutoRouter route without opening a separate route entry window first. Simply highlight the route on the list in the AutoRouter window, then click on the **right mouse** button and select *Detailed Report*, *Key Station Report*, or *Detailed Geocode Report* from the popup menu.



### 6.1.1 Adjusting Column Width in Reports

The width of columns in any report can be adjusted by clicking and dragging the column tabs. The tabs are located directly beneath the window's title bar.



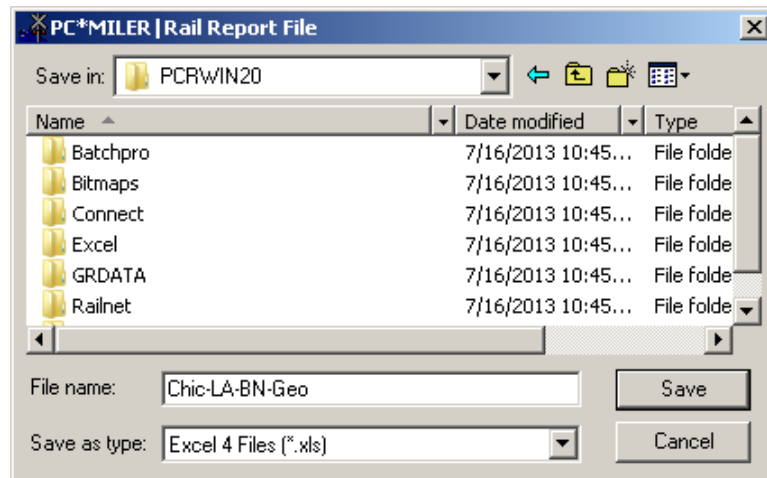
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## 6.1.2 Printing Reports

To print a report, click on the **Print** button on the tool bar or select File menu > *Print Report...* **The window containing the report must be active.**

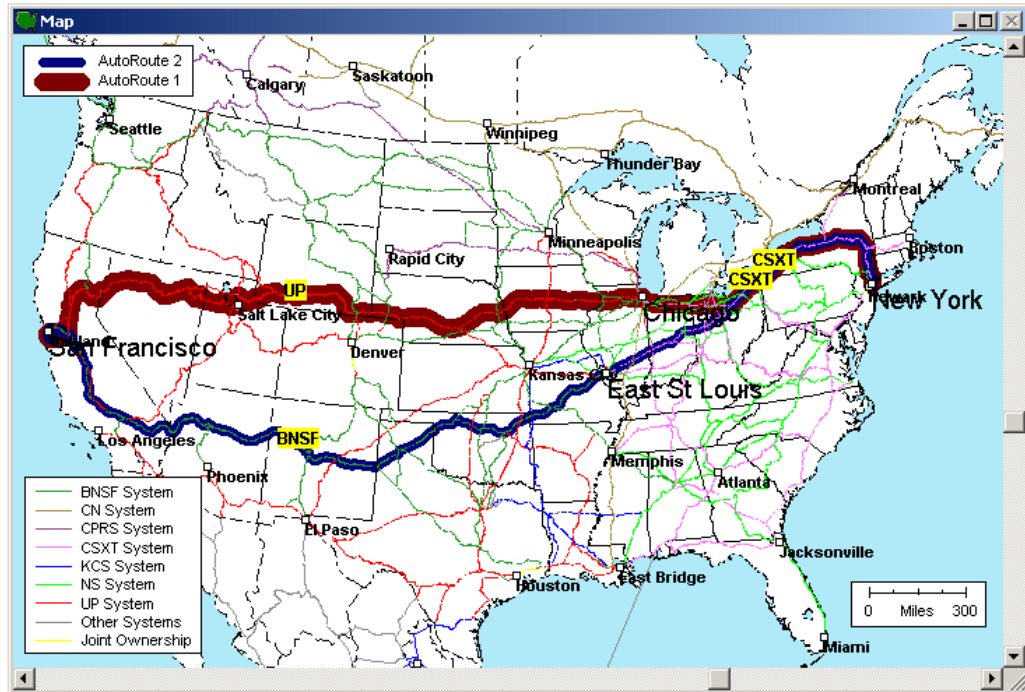
## 6.1.3 Saving Reports

To **save** a report, choose *Save Report As...* from the File menu **while the window containing the report is active.** This will bring up the Save Report dialog box. You can save the report as a Microsoft Excel file, or as a text file.



*Saving a Report*

## 6.2 Route Maps



*Routes Framed in the Map Window*

PC\*MILER|Rail automatically draws each open route on a map in the map window. This enables you to examine routes in detail, visually evaluate routing alternatives, and to perform a variety of "what-if" analyses. To access the map window, either click on its icon (usually in the lower left corner of the program window) or select *Map* from the Windows menu.

Options in the Map menu enable you to zoom in and out of the map display, to frame routes in the window, and to control such things as the level of detail and the number of routes, rail lines, place names and legends shown on the map. In addition to generated routes, the PC\*MILER|Rail map can display U.S., Canadian, and Mexican political boundaries, state/province/estado boundaries, station names, stops on routes, and railroads.

### 6.2.1 First Run a Route

To generate a visual display of a route, first run the route either as a single route or using the AutoRouter. PC\*MILER|Rail automatically generates a graphic display of each route that is run. (If you used the AutoRouter, each route you open from the list of possible routes will be drawn.) The maximum number of route windows that can be open simultaneously is eight.

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Maximize the map window if it is minimized to see the map that displays the currently active route(s). You can do this by double-clicking on the minimized map window or clicking on the **Map** button on the tool bar.

## 6.2.2 Using the Map to Pick Stops



If you are entering a route using single route entry window, you can pick stops directly from the map.

**TIP:** When you pass the cursor over the map, its lat/long position is automatically tracked and appears in the status bar in the lower left corner of the program window.

To pick a stop, first open the map window if it is minimized. Next, click on the **Pick Stops** button on the tool bar or select the *Pick/Label > Pick Stops* option from the Map menu. Now use the mouse to point to the location you wish to enter and click once. If the cursor is near a station, that station name will be entered as a stop in the active route entry window.

**NOTE:** If the AutoRouter is selected, then the stop is entered in the **topmost** route entry window. This feature **does not** work within the AutoRouter window.

## 6.2.3 Zoom Feature



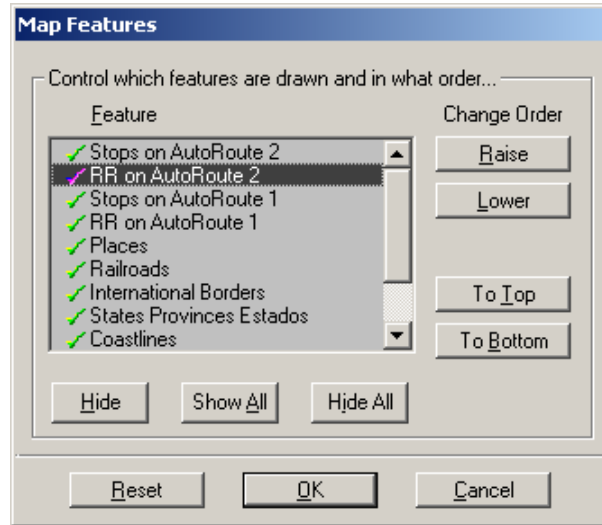
A special feature of PC\*MILER|Rail's map window is an automatic zoom option. When the cursor is placed inside the border of the map window, it becomes a cross (+). You can then zoom into an area by either pressing the mouse button and dragging a box around the area, or by double-clicking on a particular location. Double-clicking will zoom in by a factor of 2, and can be repeated for closer views. The level of detail (number of links and place names) will adjust accordingly when *Default > Detail* is selected in the Map menu.

Zooming in and out can also be accomplished by clicking on the **Zoom In** or **Zoom Out** buttons on the tool bar, or choosing *Zoom In* or *Zoom Out* from the Map menu. These buttons zoom in or out by a factor of 2.

## 6.2.4 Hiding, Displaying and Layering Map Features

You can control what features are displayed and in what order features are drawn using the Map Features dialog box. Choose *Features...* from the Map menu to bring up the Map Features dialog box.

The Map Features dialog box lists all features that can be drawn on the map. Checked features will be displayed on the map. After highlighting a feature on the list, click **Hide** to remove the checkmark, or **Show** to make it reappear. Use the **Show All** and **Hide All** buttons to hide or show all features. Click on the **Defaults** button to return to the default setting (all features are displayed).



*Map Features Dialog Box*

**TIP:** You may also double-click on items in the **Feature** list to toggle between **Show** and **Hide**.

The order (from bottom to top) in which the features appear in the dialog box determines the order in which they are drawn: items on the bottom of the list are drawn under the ones at the top. Use the **Raise**, **Lower**, **To Top**, and **To Bottom** buttons to manipulate the list. So, for example, if you highlight “Railroads” and then click on the **To Top** button, “Railroads” will move to the top of the list. When the map is redrawn the rail lines will be drawn last, on top of all other features. Clicking on **OK** closes the Map Features box and redraws the map.

To label specific stations and/or railroads without changing the level of detail shown on the whole map, use the *Pick/Label* option in the Map menu or the *Label Stations* and *Label RR’s* buttons on the tool bar (see section 6.2.5 below).

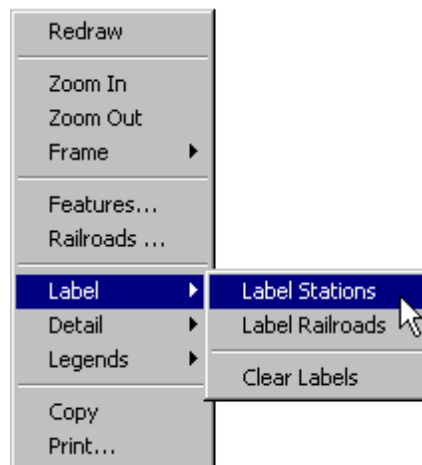
Up to eight routes can be displayed in the map window at the same time. You can select which routes to show and which to hide in the Map Features dialog box. Each route will be drawn in a different color, as indicated in the Route Legend.

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## 6.2.5 Using the Mouse To Turn Map Labels On and Off

Labeled stations and railroad shields can be added and deleted on the map using the mouse. If you pass your cursor over the map without pressing the mouse button, you will notice that its latitude/longitude position is automatically tracked and appears in the status bar in the lower left corner of the program window. When the cursor stops at a station or railroad, the name is displayed in the status bar (even if stations are hidden from view).

To label or hide a station, first click on the **Label Stations** button or select *Pick/Label > Label Stations* in the Map menu:



Then click on any labeled station on the map to make it disappear. Click again to make the label appear once more. If you click on any point where a station is located, that station's label will appear.

To label a rail link with a shield or to hide a shield, first click on the **Label Railroads** button or select Map menu > *Pick/Label > Label RRs*. Now you can click on any railroad shield on the map to make it disappear, or click any segment of a rail line to draw a shield.

Use the **Clear Labels** button on the tool bar or select Map menu > *Clear Labels > Pick/Label* to delete all railroad shields and station labels you added manually.

**TIP 1:** If you zoom out from an area that you have custom labeled as described above, the labels will disappear as the level of detail decreases. When you zoom back in again, your labels will reappear.

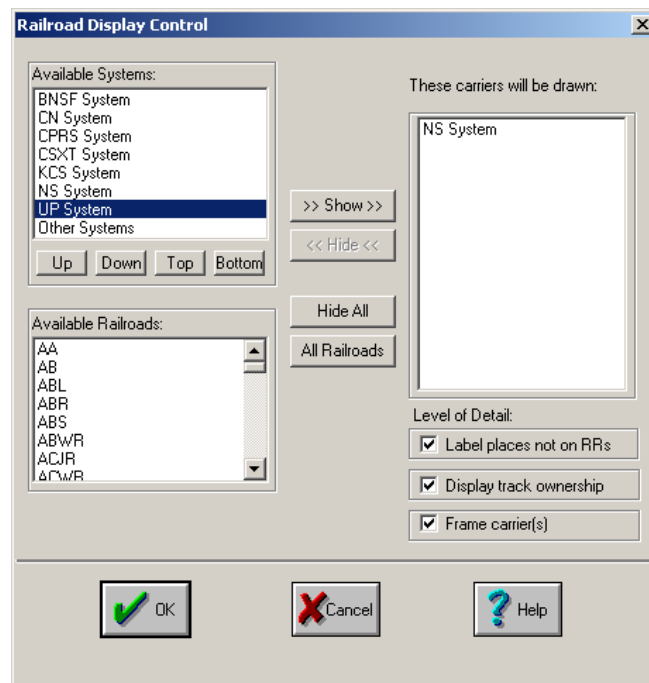
**TIP 2:** To show place names in areas surrounding the railroads that are drawn on the map, you need to check **Label places not on RRs** in the Railroad Display Control dialog box (see below). These places will show up as you zoom in closer.

## 6.2.6 Controlling the Display of Railroads

You may wish to show some but not all railroads on a map. To accomplish this, turn on “Railroads” in the Map Features dialog box. Then choose *Railroads...* from the Map menu to bring up the Railroad Display Control dialog box.

All available railroads and systems in North America are listed in the two pick lists. All railroads will be drawn when “Railroads” is turned on in the Map Features dialog box and [All Railroads] appears in the list box under **These carriers will be drawn**.

Click the **Hide All** button to exclude all railroads and systems. Click **All Railroads** to draw all railroads and systems on the map. To select an individual system or railroad to draw, highlight it in the pick list and then click on the >>**Show**>> button. To take a railroad off the list of railroads to be drawn, highlight it in the list box and click on <<**Hide**<<.



*Railroad Display Control Dialog Box*

Some links on some rail lines are used by more than one system. The purpose of the **Available Systems** pick list is to let you decide how these shared links will be displayed on the map.

To illustrate how this works, let’s say that a link is used by CSXT, NS and CN. If CN is above both NS and CSXT on the list, the link will be displayed on the map as belonging to CN (with CN represented by brown lines, it will be drawn with a brown line). To change the order of the list, first highlight the system you want to

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reposition. Then use the **Up** and **Down** buttons to move it up or down one line, or use the **Top** and **Bottom** buttons to move it to the top or bottom of the list. This new order of systems in the pick list becomes the default setting for your current and future sessions of PC\*MILER|Rail, until the next time you change the list order.

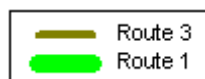
Check **Label places not on RRs** to show place names in areas surrounding the railroads that are drawn on the map. If this box is not checked, only freight stations on the route of the rail line will be drawn. A different font is used for all place names in surrounding areas, to differentiate them from junctions on rail lines.

If **Display track ownership** is checked, the colors used to draw rail lines on the map will reflect track *ownership* rather than *trackage rights*. See section 6.2.7 below.

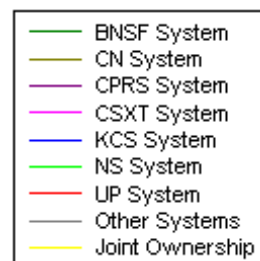
To frame a railroad in the map window, highlight it, click **>>Show>>** and check **Frame carrier(s)**, then click **OK**.

## 6.2.7 Legends

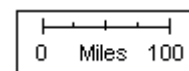
There are three legends available in the map window: Railroad, Route and Scale of Miles. All legends can be moved around within the map window by clicking and dragging. They can be hidden or shown using the *Legend* option in the Map menu. Check one or more legends in the sub-menu to display them. When checked, the **Carrier Legend** appears when railroads are displayed, the **Route Legend** appears after a route is run, and the **Scale of Miles** legend always appears as part of the map.



*Route Legend*



*Carrier Legend*



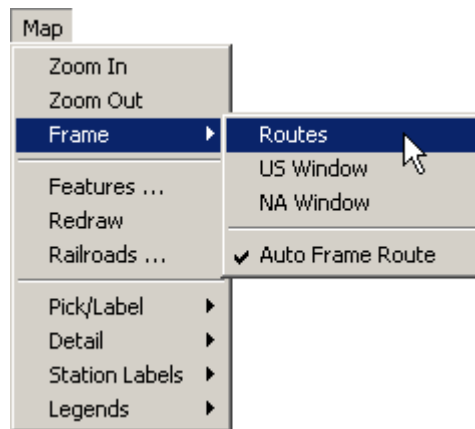
*Scale of Miles*

The **Carrier Legend** provides a key to the display of rail lines owned or operated through trackage or haulage rights. Rail lines are drawn on the map in different colors that show which railroad holds the trackage rights on any given line. However, if **Display track ownership** is checked in the Railroad Display Control dialog, the colors will reflect *ownership*. Note that a rail line drawn in yellow indicates *joint ownership*. To see which railroads jointly own a line drawn in yellow, click on the **Label Railroads** button on the tool bar and then click on the line on the map.



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## 6.2.8 Other Map Menu Options



The *Frame* option selects an area of the map to frame in the map window. Choices are:

- **US Window** frames the continental United States within the current window
- **NA Window** frames the entire North American continent
- **All Routes** frames all currently-displayed routes (using the **Frame Routes** button on the tool bar is another way to do this)
- **Auto Frame Routes**, when checked, will frame all routes automatically as they are run, until it is turned off again.

*Redraw* initiates a redraw of the current display.

The *Detail* option controls the number of links and place names that are drawn on the map. Choices are:

- **More** can be used more than once to add links and place names
- **Less** can be used more than once to decrease the number of links and place names
- **Default** will return to the default number of links and place names. The Default setting automatically increases the amount of detail when you zoom in on a particular area.
- **Use Shape Points**, when selected, will display rail curves in more detail by drawing them using "shape points" instead of angles.

**TIP:** If you click the right mouse button with your cursor inside the map window, the Map menu will pop up.

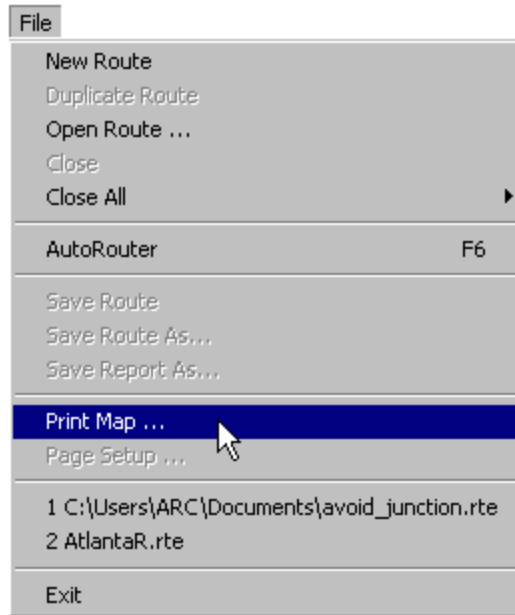
The *Station Labels* option lets you label stations on the map by either their **Station ST** (station name and state abbreviation) or **SPLC**.

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## 6.2.9 Printing a Map

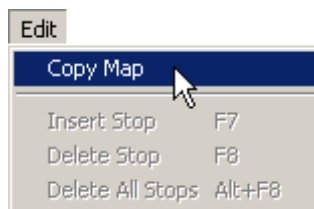


To print a map that is currently displayed in the map window, choose *Print Map...* from the File menu or click on the **Print** button on the tool bar **while the map window is active**.



## 6.2.10 Copying a Map to the Clipboard

Maps can be copied to the clipboard for retrieval in other Windows programs. To do this, choose *Copy Map* from the Edit menu **while the map window is open and active**. When the map window is not active, the *Copy* option in the Edit menu will say “*Copy Report*”.



## 7.1 About ALK Technologies

ALK Technologies, Inc., headquartered in Princeton, NJ, was founded in 1979 as a transportation industry pioneer. ALK harnesses the power of information technology to enhance transportation and mobility, supporting competitive advantage and improved quality of life.

Today, ALK is a global leader in GeoLogistics™ and navigation software. GeoLogistics is our portfolio of specialized enterprise solutions for worldwide routing, mileage and mapping, used by customers in transportation, logistics, manufacturing, mobile workforce management and government. Our commercial trucking applications are relied upon by companies worldwide and our in-vehicle GPS navigation and route guidance solutions are among the most award-winning solutions in the world.

We pride ourselves on being a market leader in transportation and travel technology. ALK's leadership in applying that technology to solve important problems continues as strongly today as when we began over 30 years ago. Now part of Trimble's (NASDAQ: TRMB) international Transportation and Logistics division, we remain committed to providing our customers with solutions that work for them to lower costs, improve service and safety and minimize harm to the environment.

See section 7.2 below for an overview of ALK's Enterprise Solutions. For detailed product information, visit us at [www.alk.com](http://www.alk.com) or [www.pcmiler.com](http://www.pcmiler.com).



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## 7.2 Enterprise Solutions from ALK Technologies

Contact a PC\*MILER Enterprise Solutions Sales Representative to find out how the following value-add on solutions can boost productivity, reduce out-of-route mileage and improve return on investment.

- **PC\*MILER** — PC\*MILER is truck-specific, point to point routing, mileage and mapping software that the transportation and logistics industry depends on to succeed. Accuracy and reliability have positioned PC\*MILER as the software used by 98 of the top 100 motor carriers, 46 of the top 50 freight transportation firms and 48 of the top 50 logistics companies in North America. The U.S. Department of Defense (DoD), the General Services Administration (GSA) and the Federal Motor Carrier Safety Administration (FMCSA) also rely on PC\*MILER as their worldwide distance standard.
- **PC\*MILER|Traffic** – PC\*MILER|Traffic calculates more accurate transit times and ETAs with real time, historical and predictive traffic speed data. It allows visualization of traffic trends directly on the PC\*MILER map. PC\*MILER|Traffic includes a “Fastest” routing type that optimizes overall transit time, taking into account real time traffic congestion and predictive traffic speeds, by the hour and by the day.
- **PC\*MILER|Tolls** — PC\*MILER|Tolls calculates truck-specific toll costs based on a vehicle’s weight, axle count, trailer count, transaction type (cash or discount program), and time of day travel in the U.S. and Canada. It is driven by the same technology and map dataset as ALK's industry-standard PC\*MILER routing, mileage and mapping software. When generating routes, truck-specific toll costs are added into a route’s overall calculation. Determine whether it's more cost-effective to take a toll route, or a non-toll route with a few additional miles, before routing a vehicle.
- **PC\*MILER|Streets** — PC\*MILER|Streets is street-level routing, mileage and mapping software designed to provide dock-to-dock driving directions over truck-specific routes. It includes all the features and functionality of PC\*MILER plus an enhanced street-level routing network, map database, and street address database. Ensure that your vehicles and loads get to the right place using the most precise truck-specific route possible, taking into consideration truck-preferred and truck-restricted roads. PC\*MILER|Streets data is available for the U.S. and Canada and, with PC\*MILER|Worldwide, for Argentina/Brazil, Europe, and Australia/New Zealand.
- **PC\*MILER|HazMat** — PC\*MILER|HazMat generates point to point and street-level routes, mileage and driving directions for hauling hazardous materials and dangerous goods in the U.S. and Canada. Federal government mandates state that shippers and carriers are to implement security plans regarding the transport of hazardous materials. A major step in that process is providing drivers with routes and mileage that ensure compliance with these

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federal, state/province and local restrictions and route designations. To ensure fleet and driver safety, PC\*MILER|HazMat identifies where drivers should legally be traveling for the particular type of hazardous commodity they are hauling.

- **PC\*MILER|Fuel Optimization** — *(Available with PC\*MILER|Connect, PC\*MILER Web and/or PC\*MILER Web Services only)* PC\*MILER|Fuel Optimization determines where to purchase the most cost-effective fuel and tell drivers where to find it. With PC\*MILER|Fuel Optimization, optimized fuel purchase plans based on daily fuel prices are seamlessly integrated into PC\*MILER's routes, reports and driving directions. The optimized fuel plan provides purchasing information within the fleet's fueling networks, indicating where to make fuel purchases and how much fuel to buy at a given location. With fuel prices constantly changing, optimized fuel purchase plans can save 4 to 11 cents per gallon — a conservative average annual savings of \$1,100 per truck per year.
- **PC\*MILER|Worldwide** — PC\*MILER|Worldwide is point-to-point routing, mileage and mapping software that generates routes, distances, maps and driving directions over the entire international highway network. Employ the functionality of PC\*MILER across worldwide data coverage, including North America, South America, Europe, Africa, Asia, and Oceania. Additionally, street-level address data modules are available for Argentina/Brazil, Europe, and Australia/New Zealand.
- **PC\*MILER|FuelTax** — PC\*MILER|FuelTax fully automates fuel and mileage tax tracking, calculation and reporting. The software includes easy-to-use tax forms and rates for all jurisdictions, and generates post-operations analysis reports that help identify fuel purchase and trip conflicts in self-audits. PC\*MILER|FuelTax can be used as a stand-alone product or integrated with PC\*MILER to automatically generate distances within the provided trip sheets.
- **PC\*MILER|Rail** — PC\*MILER|Rail is the rail and logistics industry's leading routing, mileage and mapping software. Widely used in fuel surcharge calculation, equipment management, rail car mileage auditing, carrier selection, rate determination and negotiation, and ad valorem tax reporting, PC\*MILER|Rail determines actual operating or fuel surcharge routes and mileage using station/state abbreviations or railroad industry codes. Through ALK's close working relationship with all major railroads, PC\*MILER|Rail features the most accurate digital representation of the North American rail network.
- **PC\*MILER Navigator** — PC\*MILER Navigator is the first all-in-one GPS navigation system specifically designed for company drivers, owner operators, and leased operators to provide industry-standard PC\*MILER directions in the cab. Powered by ALK's award-winning CoPilot mobile navigation technology, PC\*MILER Navigator is changing the way

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commercial truck drivers work, making it possible for spoken street-level directions to be generated anywhere within seconds.

- **CoPilot<sup>®</sup> Truck** — CoPilot Truck offers an easy to use, intuitive interface with spoken turn-by-turn directions and easy to follow, non-distracting guidance displays. Unlike standard car navigation systems, it calculates efficient routes based on your vehicle profile information, routing parameters and load type, including hazardous materials. Running conveniently on a wide range of smartphones, tablets and laptops, CoPilot Truck uses street-level ALK Digital Maps™ enhanced with industry standard PC\*MILER truck-specific attributes featuring 3.52 million commercial truck restrictions and allowances. With powerful multi-stop routing it effortlessly provides the optimal route for any itinerary, while automatically avoiding commercial truck restrictions to increase efficiency, reduce mileage and help avoid costly fines and vehicle damage.

## CONNECTIVITY and INTERFACE PRODUCTS

- **PC\*MILER|Connect** — PC\*MILER|Connect seamlessly interfaces PC\*MILER routes, mileage and reports with third-party and custom systems, such as transportation and logistics management software systems. Client applications are able to retrieve PC\*MILER distances, detailed driving directions, drive times, state-by-state mileage summaries, stop optimization functionalities and more.
- **Multi-Version Switch (MVS)** — Multi-Version Switch is a high-end function of PC\*MILER|Connect that serves as an integration tool designed to simultaneously support multiple versions of PC\*MILER that are installed on one server or on several different servers. Instead of manually querying data from each individual version, the Multi-Version Switch functions as the main connection point to programmatically gain access to the version of choice.
- **PC\*MILER Web Services** — PC\*MILER Web Services is an integration tool designed to efficiently fulfill all PC\*MILER routing, mileage and mapping transactions in a simple hardware and software-agnostic system interface to any computing platform. It offers a standardized way of integrating PC\*MILER with Web Services, .NET, or Web-based applications using XML (Extensible Markup Language) and SOAP (Simple Object Access Protocol) over an Internet Protocol Backbone – all developed in Microsoft .NET.
- **PC\*MILER|Mapping** — PC\*MILER|Mapping seamlessly interfaces PC\*MILER routes and geographic data on maps for integration with real-time dispatch and operations analysis programs. PC\*MILER|Mapping allows you to include commands in spreadsheets, databases and custom systems to obtain a visual overview of your data.

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- **PC\*MILER|Spreadsheets** — PC\*MILER|Spreadsheets gives you the ability to access PC\*MILER features and functionality from within your own spreadsheet software. Generate point-to-point or street-level mileage and drive times within a spreadsheet program, and then use built-in functions to summarize and analyze your data. PC\*MILER|Spreadsheets provides a seamless interface with PC\*MILER and Microsoft® Excel®, allowing you to perform customized data analyses.
  - **PC\*MILER|BatchPro** — PC\*MILER|BatchPro is a batch-processing tool that permits the simultaneous processing of large volumes of lanes (set as origin/destination pairs) entered as city/state combinations, ZIP or Postal Codes, or latitude/longitude coordinates rather than entering routes individually. It gives you the ability to generate routes, mileage, as well as cost and time information per route.
  - **PC\*MILER|TCP/IP** — PC\*MILER|TCP/IP is an integration tool that provides an interface to PC\*MILER|Connect running in a Windows® environment to an application residing on another platform. Through a TCP/IP network, client applications can access a text-based interface to call PC\*MILER|Connect's features and functionality. The interface opens cross platform communications in a thread-safe manner, giving you the flexibility to transmit the output of PC\*MILER|Connect to multiple networks within your organization.

## POSTAL CODE & SPLC ADD-ON DATA MODULES

- **Canadian Postal Codes** — Enhance the PC\*MILER database with six-digit Canadian Postal Codes. Enables search and display of corresponding city/province names to enter them as stops along a route.
- **Standard Point Location Codes (SPLC)** — Add SPLC to the PC\*MILER database to generate routes for rating and freight bill auditing. A SPLC provides each point originating freight and each point receiving freight in North America with a unique code number that identifies the point by its geographic location.

**1-800-377-MILE**  
**www.alk.com**  
**ALK Technologies, Inc.**  
457 North Harrison Street  
Princeton, New Jersey 08540  
U.S.A.



## Abbreviations for States/Provinces in the U.S. and Canada

The list below can be used as a reference for route entry. All states/provinces that have at least one active railroad are listed. For Mexican estados, see *Appendix B*.

State Name	Abbreviation	FIPS
Alabama	<b>AL</b>	01
Alaska	<b>AK</b>	02
Arizona	<b>AZ</b>	04
Arkansas	<b>AR</b>	05
California	<b>CA</b>	06
Colorado	<b>CO</b>	08
Connecticut	<b>CT</b>	09
Delaware	<b>DE</b>	10
District of Columbia	<b>DC</b>	11
Florida	<b>FL</b>	12
Georgia	<b>GA</b>	13
Idaho	<b>ID</b>	16
Illinois	<b>IL</b>	17
Indiana	<b>IN</b>	18
Iowa	<b>IA</b>	19
Kansas	<b>KS</b>	20
Kentucky	<b>KY</b>	21
Louisiana	<b>LA</b>	22
Maine	<b>ME</b>	23
Maryland	<b>MD</b>	24
Massachusetts	<b>MA</b>	25
Michigan	<b>MI</b>	26
Minnesota	<b>MN</b>	27
Mississippi	<b>MS</b>	28
Missouri	<b>MO</b>	29
Montana	<b>MT</b>	30
Nebraska	<b>NE</b>	31
Nevada	<b>NV</b>	32



New Hampshire	<b>NH</b>	33
New Jersey	<b>NJ</b>	34
New Mexico	<b>NM</b>	35
New York	<b>NY</b>	36
North Carolina	<b>NC</b>	37
North Dakota	<b>ND</b>	38
Ohio	<b>OH</b>	39
Oklahoma	<b>OK</b>	40
Oregon	<b>OR</b>	41
Pennsylvania	<b>PA</b>	42
Rhode Island	<b>RI</b>	44
South Carolina	<b>SC</b>	45
South Dakota	<b>SD</b>	46
Tennessee	<b>TN</b>	47
Texas	<b>TX</b>	48
Utah	<b>UT</b>	49
Vermont	<b>VT</b>	50
Virginia	<b>VA</b>	51
Washington	<b>WA</b>	53
West Virginia	<b>WV</b>	54
Wisconsin	<b>WI</b>	55
Wyoming	<b>WY</b>	56

Alberta	<b>AB</b>	84
British Columbia	<b>BC</b>	83
Manitoba	<b>MB</b>	86
New Brunswick	<b>NB</b>	89
Newfoundland & Labrador	<b>NF</b>	92
Northwest Territory	<b>NT</b>	82
Nova Scotia	<b>NS</b>	91
Ontario	<b>ON</b>	87
Prince Edward Island	<b>PE</b>	90
Quebec	<b>PQ</b>	88
Saskatchewan	<b>SK</b>	85

## Abbreviations for Mexican Estados

PC\*MILER|Rail now requires Mexican estado abbreviations to be entered when entering Mexican locations on a route. All estados that have at least one active railroad are listed.

<b>Abbrev.</b>	<b>Estado</b>	<b>FIPS</b>
<b>AG</b>	Aguascalientes	94
<b>BJ</b>	Baja California	95
<b>BS</b>	Baja California Sur	96
<b>CP</b>	Campeche	97
<b>CH</b>	Chiapas	98
<b>CI</b>	Chihuahua	99
<b>CU</b>	Coahuila	100
<b>CL</b>	Colima	101
<b>DF</b>	Distrito Federal	102
<b>DG</b>	Durango	103
<b>GJ</b>	Guanajuato	104
<b>HG</b>	Hidalgo	106
<b>JA</b>	Jalisco	107
<b>EM</b>	Mexico (Estado)	108
<b>MH</b>	Michoacan	109
<b>MR</b>	Morelos	110
<b>NA</b>	Nayarit	111
<b>NL</b>	Nuevo Leon	112
<b>OA</b>	Oaxaca	113
<b>PU</b>	Puebla	114
<b>QA</b>	Queretaro	115
<b>SL</b>	San Luis Potosi	117
<b>SI</b>	Sinaloa	118
<b>SO</b>	Sonora	119
<b>TA</b>	Tabasco	120
<b>TM</b>	Tamaulipas	121
<b>TL</b>	Tlaxcala	122
<b>VL</b>	Veracruz	123
<b>YC</b>	Yucatan	124
<b>ZT</b>	Zacatecas	125

## Fuel Surcharge Railroad Reference

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Fuel surcharge calculations are now required by the recent Surface Transportation Board ruling STB Ex Parte No. 661. The railroads listed below have chosen PC\*MILER|Rail Practical miles as their standard for fuel surcharge calculations. All other major railroads chose PC\*MILER|Rail Shortest miles as the standard.

Therefore, PC\*MILER|Rail uses Shortest miles by default when Fuel Surcharge routes are generated but uses Practical routing for the railroads listed below.

<b>SCAC</b>	<b>RRN Routing Option</b>	
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CLP	169	Practical
CN	103	Practical
GMRC	314	Practical
KCS	400	Practical
MPLI	984	Practical
NYOG	585	Practical
TCWR	768	Practical
VTR	817	Practical
WACR	812	Practical
WSOR	879	Practical

## Railroads Sorted by SCAC

SCAC	RAILROAD NAME
AA	ANN ARBOR RAILROAD
AB	AKRON BARBERTON CLUSTER RAILWAY COMPANY
ABL	ALAMEDA BELT LINE
ABR	ATHENS LINE LLC, THE
ABS	ALABAMA SOUTHERN RAILROAD
ABWR	ALABAMA WARRIOR RAILWAY, LLC.
ACJR	ASHTABULA CARSON & JEFFERSON RAILROAD
ACWR	ABERDEEN CAROLINA & WESTERN RAILWAY CO
ADBF	ADRIAN & BLISSFIELD RAIL ROAD COMPANY
AERC	ALBANY & EASTERN RAILROAD COMPANY
AF	ALABAMA & FLORIDA RAILWAY CO
AFR	AMADOR FOOTHILLS RAILROAD
AGCR	ALAMO GULF COAST RAILROAD COMPANY
AGR	ALABAMA & GULF COAST RAILWAY LLC
AIKR	AIKEN RAILWAY COMPANY, LLC
AKDN	ACADIANA RAILWAY COMPANY
AKMD	ARKANSAS MIDLAND RAILROAD CO INC
ALAB	ALABAMA RAILROAD CO INC
ALM	ARKANSAS LOUISIANA & MISSISSIPPI RAILROAD COMPANY
ALS	ALTON & SOUTHERN RAILWAY COMPANY
ALT	AIRLAKE TERMINAL RAILWAY COMPANY
AM	ARKANSAS AND MISSOURI RAILROAD CO
AMTK	AMTRAK-NATIONAL RAILROAD PASSENGER CORPORATION
AN	AN RAILWAY LLC
ANR	ANGELINA & NECHES RIVER RAILROAD COMPANY
AO	APPALACHIAN & OHIO RAILROAD INC
AOK	ARKANSAS-OKLAHOMA RAILROAD INC
AOR	THE ALIQUIPPA & OHIO RIVER RAILROAD COMPANY
APA	APACHE RAILWAY COMPANY
APD	ALBANY PORT DISTRICT
APNC	APPANOOSE COUNTY COMMUNITY RAILROAD INC
APR	ALBERTA PRAIRIE RAILWAY
AR	ABERDEEN AND ROCKFISH RAILROAD COMPANY
ARA	ARCADE AND ATTICA RAILROAD CORPORATION
ARC	ALEXANDER RAILROAD COMPANY
ARE	A & R LINE INC
ARR	ALASKA RAILROAD CORPORATION

SCAC	RAILROAD NAME
ARS	ARKANSAS SOUTHERN RAILROAD
ARZC	ARIZONA & CALIFORNIA RAILROAD CO
ASR	ALLEGHENY SOUTHERN RAILROAD INC
ASRY	ASHLAND RAILWAY CO
ATLT	AT & L RAILROAD CO INC
ATN	ALABAMA & TENNESSEE RIVER RAILWAY LLC
ATW	ATLANTIC & WESTERN RAILWAY, L P
AUT	AUTAUGA NORTHERN RAILROAD LLC
AVR	ALLEGHENY VALLEY RAILROAD COMPANY
AWRR	AUSTIN WESTERN RAILROAD
AWRY	ADAMS WARNOCK RAILWAY, INC.
AWW	ALGERS WINSLOW AND WESTERN RAILWAY COMPANY
AZCR	ARIZONA CENTRAL RAILROAD INC
AZER	ARIZONA EASTERN RAILWAY COMPANY
BAYL	BAY LINE RAILROAD L L C, THE
BB	BUCKINGHAM BRANCH RAILROAD COMPANY
BCLR	BAY COLONY RAILROAD CORPORATION
BCR	BAY COAST RAILROAD
BCRY	BARRIE-COLLINGWOOD RAILWAY
BDR	MCM RAIL SERVICES, LLC D/B/A BALTIMORE INDUSTRIAL RAILROAD
BDRV	BELVIDERE & DELAWARE RIVER RAILWAY COMPANY INC
BDTL	BALLARD TERMINAL RAILROAD CO LLC
BDW	BIGHORN DIVIDE & WYOMING RAILROAD INC
BEEM	BEECH MOUNTAIN RAILROAD COMPANY
BGS	BIG SKY RAIL CORP
BH	B&H RAIL CORP
BHP	BHP NEVADA RAILROAD COMPANY
BHR	BROOKHAVEN RAIL, LLC
BHRR	BIRMINGHAM TERMINAL RAILWAY LLC
BHWY	BOOT HILL & WESTERN RAILWAY CO LC
BJRR	BAJA CALIFORNIA RAILROAD INC
BJRY	BURLINGTON JUNCTION RAILWAY
BKRR	BATTEN KILL RAILROAD INC
BLMR	BLUE MOUNTAIN RAILROAD INC
BLOL	BLOOMER LINE, THE
BLR	BLACKLANDS RAILROAD THE
BML	BELFAST AND MOOSEHEAD LAKE RAILROAD COMPANY
BNG	BLACKWELL NORTHERN GATEWAY RAILROAD COMPANY
BNML	BURLINGTON NORTHERN (MANITOBA) LTD
BNSF	BNSF RAILWAY COMPANY
BOCT	BALTIMORE AND OHIO CHICAGO TERMINAL RAILROAD CO
BOP	BORDER PACIFIC RAILROAD CO
BPRR	BUFFALO & PITTSBURGH RAILROAD INC

<b>SCAC</b>	<b>RAILROAD NAME</b>
BRAN	BRANDON RAILROAD LLC
BRC	BELT RAILWAY COMPANY OF CHICAGO
BRG	BROWNSVILLE AND RIO GRANDE INTERNATIONAL RR
BRR	BATTLE RIVER RAILWAY NGC INC
BRW	BLACK RIVER & WESTERN CORPORATION
BSDA	BI-STATE DEVELOPMENT AGENCY
BSOR	BUFFALO SOUTHERN RAILROAD INC
BSR	BIG SPRING RAIL SYSTEM, INC.
BSVY	BOONE & SCENIC VALLEY RAILROAD
BTR	BOUNDARY TRAIL RAILWAY COMPANY INC.
BVRR	BOISE VALLEY RAILROAD, INC.
BVRY	BRANDYWINE VALLEY RAILROAD COMPANY
BXN	BAUXITE & NORTHERN RAILWAY COMPANY
CA	CHESAPEAKE & ALBEMARLE
CAGY	COLUMBUS AND GREENVILLE RAILWAY
CALA	CAROLINA SOUTHERN RAILROAD COMPANY, THE
CBNS	CAPE BRETON & CENTRAL NOVA SCOTIA RAILWAY
CBR	COOS BAY RAILROAD OPERATING CO., LLC
CBRW	COLUMBIA BASIN RAILROAD COMPANY INC
CBRY	COPPER BASIN RAILWAY INC
CCH	COLUMBUS & CHATTAHOOCHEE RAILROAD, INC
CCKY	CHATTOOGA & CHICKAMAUGA RAILWAY CO
CCPN	CORPUS CHRISTI TERMINAL RAILROAD INC
CCRA	CAMP CHASE INDUSTRIAL RAILROAD CORPORATION
CCRL	CLEVELAND COMMERCIAL RAILROAD COMPANY LLC
CCRR	CLAREMONT CONCORD RAILROAD CORPORATION
CCT	CENTRAL CALIFORNIA TRACTION COMPANY
CCUO	CHICAGO-CHEMUNG RAILROAD CORP
CEIW	CENTRAL INDIANA & WESTERN RAILROAD CO INC
CEMR	CENTRAL MANITOBA RAILWAY INC
CERA	CENTRAL RAILROAD COMPANY OF INDIANAPOLIS
CF	CAPE FEAR RAILWAYS INC
CFE	CHICAGO FT WAYNE & EASTERN A DIVISION OF CENTRAL RAILROAD OF INDIANAPOLIS INC
CFL	C F LANAUDIERE INC
CFNR	CALIFORNIA NORTHERN RAILROAD COMPANY LP
CFWR	CANEY FORK AND WESTERN RR
CGR	CG RAILWAY INC
CHAT	CHATTAHOOCHEE BAY RAILROAD INC
CHB	CLEVELAND HARBOR BELT RAILROAD, LLC
CHR	CHESTNUT RIDGE RAILWAY COMPANY
CHRC	CHAPARRAL RAILROAD COMPANY INC
CHRR	CHESAPEAKE RAILROAD COMPANY
CHS	CHARLOTTE SOUTHERN RAILROAD COMPANY

<b>SCAC</b>	<b>RAILROAD NAME</b>
CI	CAMBRIA AND INDIANA RAILROAD COMPANY
CIC	CEDAR RAPIDS & IOWA CITY RAILWAY COMPANY
CIND	CENTRAL RAILROAD OF INDIANA
CIR	CITY OF ROCHELLE ILLINOIS
CIRR	CHATTAHOOCHEE INDUSTRIAL RAILROAD
CIRY	CENTRAL ILLINOIS RAILROAD COMPANY
CKIN	CHESAPEAKE AND INDIANA RAILROAD COMPANY INC
CLC	COLUMBIA & COWLITZ RAILWAY LLC
CLCY	CHESSIE LOGISTICS CO., LLC
CLNA	CAROLINA COASTAL RAILWAY INC
CLP	CLARENDON AND PITTSFORD RAILROAD COMPANY, THE
CM	CENTRAL MONTANA RAIL INC
CMPA	MADISON RAILROAD (A DIV OF CITY OF MADISON PORT AUTHORITY)
CMR	CENTRAL MIDLAND RAILWAY COMPANY
CMRR	COMSTOCK MOUNTAIN LION RAILROAD, INC.
CMSL	CAPE MAY SEASHORE LINES
CN	CANADIAN NATIONAL RAILWAYS
CNAT	CN AQUATRAN
CNOW	COLUMBIA & NORTHERN RAILWAY CO
CNUR	C & NC RAILROAD CORPORATION
CNYK	CENTRAL NEW YORK RAILROAD CORPORATION
CNZR	CENTRAL NEW ENGLAND RAILROAD CO INC
COEH	CONECUH VALLEY RAILWAY LLC
COER	CRAB ORCHARD & EGYPTIAN RAILWAY A DIVISION OF PROGRESSIVE RAIL IN
COP	CITY OF PRINEVILLE RAILWAY
CORP	CENTRAL OREGON & PACIFIC RAILROAD INC
CORY	COLUMBIA & READING RAILWAY CO
CPDR	CAROLINA PIEDMONT DIVISION SOUTH CAROLINA CENTRAL RAILROAD COMPANY INC
CPMY	COOPERSVILLE AND MARNE RAILWAY COMPANY
CPR	CATERPARROTT RAILNET, LLC
CPRS	CANADIAN PACIFIC RAILWAY
CRL	CHICAGO RAIL LINK
CSCD	CASCADE AND COLUMBIA RIVER RAILROAD COMPANY
CSKR	C & S RAILROAD CORPORATION
CSO	CONNECTICUT SOUTHERN RAILROAD INC
CSR	CAMDEN & SOUTHERN RAILROAD INC
CSS	CHICAGO SOUTHSORE & SOUTH BEND RAILROAD
CSXT	CSX TRANSPORTATION
CT	COLUMBIA TERMINAL
CTM	CHICAGO TERMINAL RAILROAD
CTN	CANTON RAILROAD COMPANY
CTR	CLINTON TERMINAL RAILROAD COMPANY
CTRR	CLOQUET TERMINAL RAILROAD COMPANY INC

<b>SCAC</b>	<b>RAILROAD NAME</b>
CTRW	CARLTON TRAIL RAILWAY COMPANY
CUOH	COLUMBUS & OHIO RAILROAD COMPANY
CVR	CIMARRON VALLEY RAILROAD L C
CVRC	PROGRESSIVE RAIL INC D/B/A CANNON VALLEY RAILROAD COMPANY
CVYR	CADDO VALLEY RAILROAD COMPANY
CW	COLORADO & WYOMING RWY CO
CWA	CENTRAL WASHINGTON RAILROAD COMPANY
CWCY	CALDWELL COUNTY RAILROAD COMPANY
CWR	CWRR INC
CWRO	CLEVELAND WORKS RAILWAY COMPANY
CWRY	COMMONWEALTH RAILWAY INC
CZRY	CARRIZO GORGE RAILWAY INC
DAIR	D & I RAILROAD COMPANY
DAKS	DAKOTA SHORT LINE
DALT	DALLAS TERMINAL RAILWAY
DC	DELRAY CONNECTING RAILROAD COMPANY
DCLR	DELAWARE COAST LINE RR CO
DCON	DETROIT CONNECTING RAILROAD COMPANY
DCRR	DUBOIS COUNTY RAILROAD
DGNO	DALLAS GARLAND & NORTHEASTERN RAILROAD INC
DGVR	DURBIN & GREENBRIER VALLEY RAILROAD INC
DL	DELAWARE-LACKAWANNA RAILROAD CO INC
DLWR	DEPEW LANCASTER & WESTERN RAILROAD CO INC
DMM	DANSVILLE AND MOUNT MORRIS RAILROAD COMPANY, THE
DMVW	DAKOTA MISSOURI VALLEY & WESTERN RAILROAD INC
DN	DAKOTA NORTHERN RAILROAD INC
DQE	DEQUEEN & EASTERN RAILROAD LLC
DR	DARDANELLE & RUSSELLVILLE RAILROAD COMPANY
DRIR	DENVER ROCK ISLAND RAILROAD
DSC	DRAKE SWITCHING COMPANY, LLC
DSRC	DAKOTA SOUTHERN RAILWAY COMPANY
DSRR	DELTA SOUTHERN RAILROAD COMPANY
DT	DECATUR JUNCTION RAILWAY COMPANY
DV	DELAWARE VALLEY RAILWAY COMPANY INC
DVR	DEVCO RY (CAPE BRETON DEVELOPMENT CORP)
DVS	DELTA VALLEY & SOUTHERN RAILWAY COMPANY
EACH	EAST CAMDEN & HIGHLAND RR CO
EARY	EASTERN ALABAMA RAILWAY
EBG	EASTERN BERKS GATEWAY RAILROAD COMPANY
EBSR	EAST BROOKFIELD & SPENCER RAILROAD LLC
ECBR	EAST COOPER AND BERKELEY RAILROAD COMPANY
ECO	ECORAIL INC
ECTB	EAST CHATTANOOGA BELT RAILWAY COMPANY



SCAC	RAILROAD NAME
EDW	EL DORADO AND WESSON RAILWAY COMPANY
EE	ELLIS & EASTERN COMPANY
EEC	EAST ERIE COMMERCIAL RAILROAD
EFRR	EFFINGHAM RAILROAD COMPANY
EIRC	EASTERN ILLINOIS RAILROAD COMPANY
EIRR	EASTERN IDAHO RAILROAD INC
EJR	EAST JERSEY RAILROAD AND TERMINAL COMPANY
ELKR	ELK RIVER RAILROAD INC
ELS	ESCANABA AND LAKE SUPERIOR RAILROAD COMPANY
EMHR	EAST MAHANOEY & HAZELTON RAILROAD COMPANY
EMRY	EASTERN MAINE RAILWAY COMPANY
ENR	E & N RAILWAY COMPANY (1998) LTD
ESPN	EAST PENN RAILROAD LLC
ETL	ESSEX TERMINAL RAILWAY COMPANY THE
ETRY	EAST TENNESSEE RAILWAY, L P
EV	EVERETT RAILROAD
EVWR	EVANSVILLE WESTERN RAILWAY INC
EWG	EASTERN WASHINGTON GATEWAY RAILROAD COMPANY
EWR	ELKHART & WESTERN RAILROAD CO
FC	FULTON COUNTY RAILROAD INC
FCCM	COMPANIA DE FERROCARRILES CHIAPAS MAYAB SA DE CV
FCEN	FLORIDA CENTRAL RAILROAD CO
FCR	FULTON COUNTY RAILWAY LLC
FCRD	FIRST COAST RAILROAD INC
FEC	FLORIDA EAST COAST RAILWAY, LLC
FGLK	FINGER LAKES RAILWAY CORP
FIR	FLATS INDUSTRIAL RAILROAD COMPANY
FMID	FLORIDA MIDLAND RAILROAD CO INC
FMRC	FARMRAIL CORPORATION
FNOR	FLORIDA NORTHERN RAILROAD COMPANY INC
FP	FORDYCE AND PRINCETON RAILROAD CO
FRR	FALLS ROAD RAILROAD CO INC
FRVT	FORE RIVER TRANSPORTATION CORPORATION
FSR	FORT SMITH RAILROAD CO
FSRR	FERROSUR S A DE C V
FWCR	FLORIDA WEST COAST RAILROAD INC
FWDB	FORT WORTH & DALLAS BELT RAILROAD
FWWR	FORT WORTH & WESTERN RAILROAD
FXE	FERROCARRIL MEXICANO S A DE C V
GC	GEORGIA CENTRAL RAILWAY L P
GCK	GEORGES CREEK RAILWAY
GCW	GARDEN CITY WESTERN RAILWAY COMPANY, THE
GDLK	GRAND ELK RAILROAD, LLC.

SCAC	RAILROAD NAME
GET	GETTYSBURG & NORTHERN RAILROAD CO
GEXR	GODERICH-EXETER RAILWAY COMPANY LTD
GFR	GRAND FORKS RAILWAY COMPANY
GFRR	GEORGIA & FLORIDA RAILNET INC
GITM	GOLDEN ISLES TERMINAL RAILROAD INC
GLC	GREAT LAKES CENTRAL RAILROAD
GLSR	GLOSTER SOUTHERN RAILROAD COMPANY
GMR	GEORGIA MIDLAND RAILROAD INC
GMRC	GREEN MOUNTAIN RAILROAD CORPORATION
GNBC	GRAINBELT CORPORATION
GNPR	GNP RLY INC.
GNRR	GEORGIA NORTHEASTERN RAILROAD CO
GR	GRAND RAPIDS EASTERN RAILROAD INC
GRD	GARDENDALE RAILROAD, INC
GRLW	GREENVILLE & WESTERN RAILWAY COMPANY LLC
GRNW	GREAT NORTHWEST RAILROAD INC
GRR	GEORGETOWN RAILROAD COMPANY
GRW	GARY RAILWAY COMPANY
GRWR	GREAT WALTON RAILROAD CO, THE
GRYR	GRENADA RAILWAY LLC
GS	GEORGIA SOUTHERN RAILWAY CO.
GSM	GREAT SMOKEY MOUNTAINS RAILWAY INC
GSWR	GEORGIA SOUTHWESTERN RAILROAD INC
GTR	GREAT RIVER RAILROAD
GTRA	GOLDEN TRIANGLE RAILROAD LLC
GU	GRAFTON AND UPTON RAILROAD COMPANY
GVSR	GALVESTON RAILROAD LP
GWR	GREAT WESTERN RAILWAY OF COLORADO LLC
GWRC	GEORGIA WOODLANDS RAILROAD CO
GWRS	GREAT WESTERN RAILWAY LTD
GWWE	GATEWAY EASTERN RAILWAY COMPANY
HAL	HILTON & ALBANY RAILROAD, INC.
HB	HAMPTON & BRANCHVILLE RAILROAD COMPANY
HBRY	HUDSON BAY RAILWAY COMPANY
HCRR	HONEY CREEK RAILROAD INC
HCRY	HURON CENTRAL RAILWAY INC
HE	HOLLIS & EASTERN R R CO
HESR	HURON AND EASTERN RAILWAY COMPANY INC
HIRR	HAINESPORT INDUSTRIAL RAILROAD LLC
HLSC	HAMPTON RAILWAY INC
HMCR	HUNTSVILLE & MADISON COUNTY RAILROAD AUTHORITY
HN	HUTCHINSON AND NORTHERN RAILWAY COMPANY, THE
HOB	HENDERSON OVERTON BRANCH

SCAC	RAILROAD NAME
HOG	HEART OF GEORGIA RAILROAD INC
HOS	HOOSIER SOUTHERN RAILROAD
HPTD	HIGH POINT THOMASVILLE & DENTON RAILROAD COMPANY
HR	HERITAGE RAILROAD CORP
HRR	HONDO RAILWAY LLC
HRRC	HOUSATONIC RAILROAD COMPANY INC
HRS	HOLLIDAYSBURG AND ROARING SPRING RAILROAD COMPANY
HRT	HARTWELL RAILROAD COMPANY
HSRR	HARDIN SOUTHERN RAILROAD INC
HTR	HEART OF TEXAS RAILROAD, LP
IAIS	IOWA INTERSTATE RAILROAD LTD
IANR	IOWA NORTHERN RAILROAD
IANW	IOWA NORTHWESTERN RAILROAD
IARR	IOWA RIVER RAILROAD INC
IATR	IOWA TRACTION RAILWAY COMPANY
IBT	INTERNATIONAL BRIDGE AND TERMINAL COMPANY, THE
ICRK	INDIAN CREEK RAILROAD COMPANY
IERR	INDIANA EASTERN RAILROAD LLC
IHB	INDIANA HARBOR BELT RAILROAD COMPANY
ILW	ILLINOIS WESTERN RAILROAD COMPANY
IMRR	ILLINOIS & MIDLAND RAILROAD INC
IN	INDIANA NORTHEASTERN RAILROAD COMPANY INC
INPR	IDAHO NORTHERN & PACIFIC RAILROAD COMPANY
INRD	INDIANA RAIL ROAD CORPORATION
IORY	INDIANA & OHIO RAILWAY COMPANY
IR	ILLINOIS RAILNET INC
ISR	IOWA SOUTHERN RAILROAD COMPANY
ISRR	INDIANA SOUTHERN RAILROAD COMPANY INC
ISW	INDIANA SOUTHWESTERN RAILWAY CO
JAIL	JACKSON & LANSING RAILROAD COMPANY
JKL	J K LINE INC
JVRR	JUNIATA VALLEY RAILROAD COMPANY
KAW	KAW RIVER RAILROAD
KBSR	KANKAKEE BEAVERVILLE AND SOUTHERN RAILROAD COMPANY
KCS	KANSAS CITY SOUTHERN RAILWAY COMPANY
KCSM	KANSAS CITY SOUTHERN DE MEXICO S DE R L DE C V
KCTL	KANSAS CITY TRANSPORTATION CO LLC
KE	KANSAS EASTERN RAILROAD INC
KFR	KETTLE FALLS INTERNATIONAL RAILWAY LLC
KGTR	KINGMAN TERMINAL RAILROAD, LLC
KJR	KISKI JUNCTION RAILROAD
KJRY	KEOKUK JUNCTION RAILWAY
KKRR	KNOX & KANE RAILROAD COMPANY

SCAC	RAILROAD NAME
KNOR	KLAMATH NORTHERN RAILWAY COMPANY
KO	KANSAS & OKLAHOMA RAILROAD INC
KPR	KELOWNA PACIFIC RAILWAY LTD
KRL	KASGRO RAIL LINES
KRR	KIAMICHI RAILROAD COMPANY LLC
KSRV	KOSCIUSKO SOUTHWESTERN RAILWAY
KT	KENTUCKY AND TENNESSEE RAILWAY
KTR	KENDALLVILLE TERMINAL RAILWAY CO
KWT	KWT RAILWAY INC
KXHR	KNOXVILLE & HOLSTON RIVER RAILROAD CO INC
KYLE	KYLE RAILROAD COMPANY
LAJ	LOS ANGELES JUNCTION RAILWAY COMPANY
LAL	LIVONIA, AVON & LAKEVILLE RAILROAD CORPORATION
LAS	LOUISIANA SOUTHERN RAILROAD
LBR	LOWVILLE AND BEAVER RIVER RAILROAD COMPANY THE
LC	LANCASTER & CHESTER RAILROAD, LLC.
LCR	LAKE COUNTY RAILROAD
LCRI	LONG CREEK RAILROAD COMPANY INC
LDRR	LOUISIANA & DELTA RAILROAD INC
LER	LOGANSPORT & EEL RIVER SHORT-LINE CO INC
LFCD	LINEA COAHUILA DURANGO SA DE CV
LI	LONG ISLAND RAILROAD COMPANY
LINC	LEWIS & CLARK RAILWAY CO
LIRC	LOUISVILLE & INDIANA RAILROAD COMPANY
LIRR	LAPEER INDUSTRIAL RAILROAD COMPANY
LKRR	LITTLE KANAWHA RIVER RAIL INC
LLR	LAKE LINE RAILROAD INC.
LMIC	LAKE MICHIGAN AND INDIANA RAILROAD COMPANY
LMR	LAST MOUNTAIN RAILWAY
LNAL	LOUISVILLE NEW ALBANY & CORYDON RAILROAD
LNVT	LANDISVILLE TERMINAL & TRANSFER COMPANY
LNW	LOUISIANA AND NORTH WEST RAILROAD COMPANY, THE
LRPA	LITTLE ROCK PORT RAILROAD
LRS	LAURINBURG AND SOUTHERN RAILROAD COMPANY
LRWN	LITTLE ROCK & WESTERN RAILWAY, L P
LRWY	LEHIGH RAILWAY, LLC.
LRV	LRV LLC.
LS	LUZERNE AND SUSQUEHANNA RAILWAY COMPANY
LSI	LAKE SUPERIOR & ISHPEMING RAILROAD COMPANY
LSRC	LAKE STATE RAILWAY COMPANY
LT	LAKE TERMINAL RAILROAD COMPANY, THE
LVR	LANDISVILLE RAILROAD, LLC
LVRB	LEHIGH VALLEY RAIL MANAGEMENT LLC - BETHLEHEM DIVISION

SCAC	RAILROAD NAME
LVRC	LAMOILLE VALLEY RAILROAD COMPANY
LVRJ	LEHIGH VALLEY RAIL MANAGEMENT LLC - JOHNSTOWN DIVISION
LVRB	LYCOMING VALLEY RAILROAD COMPANY
LVSW	LONGVIEW SWITCHING COMPANY
LW	LOUISVILLE AND WADLEY RAILWAY COMPANY
LXVR	LUXAPALILA VALLEY RAILROAD INC
MAA	MAGMA ARIZONA RAILROAD COMPANY
MAL	MICHIGAN AIR-LINE RAILWAY CO
MAN	MANNING RAIL, INC
MAUP	MANATEE COUNTY PORT AUTHORITY
MAW	MAUMEE & WESTERN RAILROAD CORPORATION
MC	MASSACHUSETTS COASTAL RAILROAD LLC
MCER	MASSACHUSETTS CENTRAL RAILROAD CORPORATION
MCLR	MCLAUGHLIN LINE RAILROAD
MCR	MCCLLOUD RAILWAY COMPANY
MCSA	MOSCOW, CAMDEN & SAN AUGUSTINE RAILROAD
MD	C&J RAILROAD COMPANY D/B/A MISSISSIPPI DELTA RAILROAD
MDDE	MARYLAND AND DELAWARE RAILROAD COMPANY
MDS	MERIDIAN SOUTHERN RAILWAY LLC
MDW	MINNESOTA DAKOTA & WESTERN RAILWAY COMPANY
ME	MORRISTOWN & ERIE RAILWAY INC
MERR	MORRISTOWN & ERIE RAILWAY INC D/B/A MAINE EASTERN RAILROAD
MET	MODESTO AND EMPIRE TRACTION COMPANY
METW	MUNICIPALITY OF EAST TROY WISCONSIN
MGRI	MG RAIL INC
MH	MT HOOD RAILROAD CO
MHC	MOHALL CENTRAL RAILROAD INC
MHWA	MOHAWK ADIRONDACK & NORTHERN RAILROAD CORP
MIDH	MIDDLETOWN & HUMMELSTOWN RAILROAD COMPANY
MJ	MANUFACTURERS JUNCTION RAILWAY COMPANY
MMA	MONTREAL MAINE AND ATLANTIC RAILWAY LTD
MMID	MARYLAND MIDLAND RAILWAY INC
MMRR	MID-MICHIGAN RAILROAD INC
MMT	MISSION MOUNTAIN RAILROAD
MNA	MISSOURI & NORTHERN ARKANSAS RAILROAD COMPANY INC
MNBR	M&B RAILROAD LLC
MNC	MOTIVE RAIL INC D/B/A MISSOURI NORTH CENTRAL RAILROAD
MNJ	MIDDLETOWN & NEW JERSEY RAILWAY LLC
MNN	MINNESOTA NORTHERN RAILROAD INC
MNNR	MINNESOTA COMMERCIAL RAILWAY CO
MNR	MAINE NORTHERN RAILWAY COMPANY
MPLI	MINNESOTA PRAIRIE LINE INC
MQT	MARQUETTE RAIL LLC

SCAC	RAILROAD NAME
MRI	MOHALL RAILROAD INC
MRL	MONTANA RAIL LINK INC
MS	MICHIGAN SHORE RAILROAD INC
MSCI	MISSISSIPPI CENTRAL RAILROAD COMPANY
MSE	MISSISSIPPI EXPORT RAILROAD COMPANY
MSN	BALLARD TERMINAL RAILROAD COMPANY LLC D/B/A MEEKER SOUTHERN RAILROAD
MSO	MICHIGAN SOUTHERN RAILROAD CO INC
MSR	MISSISSIPPI SOUTHERN RAILROAD
MSRW	MISSISSIPPIAN RAILWAY COOPERATIVE INC
MSTR	MASSENA TERMINAL RAILROAD COMPANY, THE
MSV	MISSISSIPPI & SKUNA VALLEY RAILROAD LLC
MSWY	MINNESOTA SOUTHERN RAILWAY INC
MTNR	MISSISSIPPI TENNESSEE RAILROAD LLC
MVP	MISSOURI & VALLEY PARK RAILROAD CORP
MVRY	MAHONING VALLEY RAILWAY COMPANY, THE
MVT	MT VERNON TERMINAL RAILWAY INC
NAUG	NAUGATUCK RAILROAD COMPANY INC
NBER	NITTANY & BALD EAGLE RAILROAD CO
NBSR	NEW BRUNSWICK SOUTHERN RAILWAY COMPANY LIMITED
NCIR	NEW CASTLE INDUSTRIAL RAILROAD
NCPR	NORTH CAROLINA PORTS RAILWAY COMMISSION
NCRC	NEBRASKA CENTRAL RAILROAD COMPANY
NCRL	NC RAILROAD INC
NCVA	NORTH CAROLINA & VIRGINIA RAILROAD CO INC
NCYR	NASH COUNTY RAILROAD CORP
NDCR	N D C RAILROAD COMPANY
NECR	NEW ENGLAND CENTRAL RAILROAD INC
NEGS	NEW ENGLAND SOUTHERN RAILROAD CO INC
NENE	NEBRASKA NORTHEASTERN RAILWAY COMPANY
NERR	NASHVILLE AND EASTERN RAILROAD CORP
NFTS	THE NELSON AND FT. SHEPPARD RAILWAY CORPORATION
NHCR	NEW HAMPSHIRE CENTRAL RAILROAD INC
NHN	NEW HAMPSHIRE NORTHCOAST CORP
NHRR	NEW HOPE & IVYLAND RAILROAD
NHVT	NEW HAMPSHIRE AND VERMONT RAILROAD COMPANY
NJRC	NEW JERSEY RAIL CARRIER LLC
NKCR	NEBRASKA KANSAS & COLORADO RAILNET INC
NLA	NORTH LOUISIANA & ARKANSAS RAILROAD
NLR	NORTHERN LINES RAILWAY LLC
NMGR	NEW MEXICO GATEWAY RAILROAD LLC
NNW	NEBRASKA NORTHWESTERN RAILROAD INC.
NOGC	NEW ORLEANS & GULF COAST RAILWAY COMPANY INC
NOKL	NORTHWESTERN OKLAHOMA RAILROAD COMPANY

SCAC	RAILROAD NAME
NOPB	NEW ORLEANS PUBLIC BELT RAILROAD
NOW	NORTHERN OHIO & WESTERN RAILWAY LTD
NPB	NORFOLK & PORTSMOUTH BELT LINE RAILROAD COMPANY
NPR	NORTHERN PLAINS RAILROAD INC
NRI	NEBKOTA RAILWAY INC
NS	NORFOLK SOUTHERN RAILWAY COMPANY (NORFOLK SOUTHERN)
NSHR	NORTH SHORE RAILROAD CO
NSR	NEWBURGH & SOUTH SHORE RAILROAD COMPANY
NTRY	NIMISHILLEN & TUSCARAWAS LLC
NTZR	NATCHEZ RAILWAY LLC.
NVRR	NAPA VALLEY RAILROAD CO
NWP	NORTHWESTERN PACIFIC RAILROAD COMPANY
NWR	NASHVILLE & WESTERN RAILROAD CORP
NYA	NEW YORK & ATLANTIC RAILWAY COMPANY
NYGL	NEW YORK & GREENWOOD LAKE RAILWAY
NYLE	NEW YORK & LAKE ERIE RAILROAD
NYNJ	NEW YORK NEW JERSEY RAIL LLC
NYOG	NEW YORK & OGDENSBURG RAILWAY COMPANY INC
NYSW	NEW YORK SUSQUEHANNA AND WESTERN RAILWAY CORP
OAR	OLD AUGUSTA RAILROAD LLC
OCTL	OIL CREEK & TITUSVILLE LINES
OERR	OREGON EASTERN RAILROAD
OHCR	OHIO CENTRAL RAILROAD CO
OHIC	OHI-RAIL CORPORATION
OHIO	OHIO TERMINAL RAILWAY COMPANY
OHPA	OHIO & PENNSYLVANIA RAILROAD COMPANY
OHRY	OWEGO & HARFORD RAILWAY INC
OKAN	OKANAGAN VALLEY RAILWAY COMPANY
OLB	OMAHA LINCOLN AND BEATRICE RAILWAY COMPANY
OLO	ONTARIO L'ORIGNAL RAILWAY INC
OLYR	OLYMPIC RAILROAD CO, THE
OMID	ONTARIO MIDLAND RAILROAD CORPORATION
ONCT	ONTARIO CENTRAL RAILROAD CORPORATION
ONT	ONTARIO NORTHLAND RAILWAY (ONTARIO NORTHLAND TRANS COMMISSION)
OPE	OREGON PACIFIC & EASTERN RAILWAY COMPANY
OPR	OREGON PACIFIC RAILROAD CO
OPT	ORANGE PORT TERMINAL RAILWAY
ORC	OGEECHEE RAILROAD COMPANY
OSRR	OHIO SOUTHERN RAILROAD CO
OTCO	OWENSVILLE TERMINAL CO INC
OTT	OTTUMWA TERMINAL RAILROAD CO
OTVR	OTTERTAIL VALLEY RAILROAD CO INC
OUCH	OUACHITA RAILROAD

<b>SCAC</b>	<b>RAILROAD NAME</b>
OVR	OHIO VALLEY RAILROAD COMPANY
OVRR	OZARK VALLEY RAILROAD INC
PAL	PADUCAH & LOUISVILLE RAILWAY
PAM	PITTSBURGH ALLEGHENY & MCKEES ROCKS RR CO
PAS	PAN AM SOUTHERN, LLC.
PBR	PATAPSCO & BACK RIVERS RAILROAD COMPANY
PBVR	PORT BIENVILLE RAILROAD
PCC	PALOUSE RIVER & COULEE CITY RAILROAD INC
PCN	POINT COMFORT & NORTHERN RAILWAY COMPANY
PDRR	PEE DEE RIVER RAILROAD CORP
PGR	PROGRESSIVE RAIL INC
PHL	PACIFIC HARBOR LINE INC
PHRR	PORT HARBOR RAILROAD INC
PI	PADUCAH & ILLINOIS RAILROAD COMPANY
PICK	PICKENS RAILWAY COMPANY
PJR	PORT JERSEY RAILROAD CO
PKHP	PICKENS RAILWAY COMPANY
PN	PENNSYLVANIA NORTHEASTERN RAILROAD, LLC
PNR	PANHANDLE NORTHERN RAILROAD COMPANY
PNRW	PIEDMONT & NORTHERN RAILWAY
PNW	PRESCOTT AND NORTHWESTERN RAILROAD COMPANY
PNWR	PORTLAND & WESTERN RAILROAD INC
POHC	THE PITTSBURGH & OHIO CENTRAL RAILROAD COMPANY
POTB	PORT OF TILLAMOOK BAY RAILROAD
POVA	PEND OREILLE VALLEY RAILROAD (PORT OF PEND OREILLE)
PRV	PEARL RIVER VALLEY RAILROAD COMPANY
PRY	PIONEER INDUSTRIAL RAILWAY CO THE PUGET SOUND & PACIFIC RAILROAD COMPANY A DIVISION OF THE ARIZONA &
PSAP	CALIFORNIA RAILROAD CO LP
PSC	PYCO INDUSTRIES INC
PSCC	PENNSYLVANIA & SOUTHERN RAILWAY LLC
PSWR	PENNSYLVANIA SOUTHWESTERN RAILROAD INC
PT	PENINSULA TERMINAL COMPANY
PTC	PLAINVIEW TERMINAL COMPANY
PTR	PORT TERMINAL RAILROAD OF SOUTH CAROLINA
PTRA	PORT TERMINAL RAILROAD ASSOCIATION
PTRC	PORTLAND TERMINAL RAILROAD COMPANY
PUCC	PORT UTILITIES COMMISSION OF CHARLESTON SC
PVJR	PORTLAND VANCOUVER JUNCTION RAILROAD LLC
PVRR	PIONEER VALLEY RAILROAD COMPANY
PVS	PECOS VALLEY PERMIAN RAILROAD LLC DBA PECOS VALLEY SOUTHERN RAILW
PW	PROVIDENCE AND WORCESTER RAILROAD COMPANY
QCR	QUEBEC CENTRAL RAILWAY COMPANY



SCAC	RAILROAD NAME
QGRY	QUEBEC GATINEAU RAILWAY INC
QRR	QUINCY RAILROAD COMPANY
RARW	RARUS RAILWAY COMPANY
RBMN	READING BLUE MOUNTAIN & NORTHERN RAILROAD COMPANY
RCRR	RED COAT ROAD & RAIL LTD
RCRY	RARITAN CENTRAL RAILWAY LLC
RJCC	R J CORMAN RAILROAD COMPANY/CENTRAL KENTUCKY LINES
RJCK	R J CORMAN RAILROAD COMPANY/TENNESSEE TERMINAL LLC
RJCL	R J CORMAN RAILROAD COMPANY/CLEVELAND LINE
RJCM	R J CORMAN RAILROAD COMPANY/MEMPHIS LINE
RJCN	R J CORMAN RAILROAD COMPANY/ALLENTOWN LINES INC
RJCP	R J CORMAN RAILROAD COMPANY/PENNSYLVANIA LINES INC
RJCR	R J CORMAN RAILROAD CORPORATION/BARDSTOWN LINE
RJCV	R J CORMAN RAILROAD COMPANY/WV LINE
RJCW	R J CORMAN RAILROAD COMPANY/WESTERN OHIO LINE
RL	RUTLAND LINE INC
RLHH	RAILINK SOUTHERN ONTARIO
RLK	RAILINK OTTAWA VALLEY
RMRR	ROCKY MOUNTAIN RAILCAR AND RAILROAD INC
RNA	RIPLEY & NEW ALBANY RAILROAD COMPANY
RPP	RUSK, PALESTINE, & PACIFIC RAILROAD, LLC
RPRC	RICHMOND PACIFIC RAILROAD CORPORATION
RRC	REDMONT RAILWAY COMPANY INC
RRRR	ROCK & RAIL INC
RRVW	RED RIVER VALLEY & WESTERN RAILROAD CO
RS	ROBERVAL AND SAGUENAY RAILWAY COMPANY, THE
RSM	RAILROAD SWITCHING SERVICE OF MISSOURI INC
RSNR	RED SPRINGS & NORTHERN RAILROAD CO
RSOR	RICEBORO SOUTHERN RAILWAY LLC
RSP	ROSCOE SNYDER & PACIFIC RAILWAY COMPANY
RSR	ROCHESTER & SOUTHERN RAILROAD INC
RSS	ROCKDALE SANDOW & SOUTHERN RAILROAD COMPANY
RVPR	RIVERPORT RAILROAD LLC
RVSC	RIO VALLEY SWITCHING COMPANY
RVT	ROGUE VALLEY TERMINAL RAILROAD CORPORATION
SAC	SAN ANTONIO CENTRAL RAILROAD, LLC
SAN	SANDERSVILLE RAILROAD COMPANY
SAPT	SAVANNAH PORT TERMINAL RAILROAD INC
SAV	SACRAMENTO VALLEY RAILROAD
SAW	SOUTH PLAINS SWITCHING LTD CO
SBG	SAVAGE BINGHAM & GARFIELD RAILROAD COMPANY
SBLN	STERLING BELT LINE RAILWAY
SBRR	STOURBRIDGE RAILROAD COMPANY

<b>SCAC</b>	<b>RAILROAD NAME</b>
SBVR	SOUTH BRANCH VALLEY RAIL ROAD
SC	SANTA CRUZ AND MONTEREY BAY RAILWAY COMPANY
SCBG	SANTA CRUZ BIG TREES & PACIFIC RAILWAY CO
SCIH	SOUTH CHICAGO & INDIANA HARBOR RAILWAY COMPANY
SCRF	SOUTH CAROLINA CENTRAL RAILROAD CO INC
SCS	SQUAW CREEK SOUTHERN RAILROAD
SCTR	SCTRR LLC
SCXF	SOUTH CENTRAL FLORIDA EXPRESS INC
SCXY	ST CROIX VALLEY RAILROAD COMPANY
SDIY	SAN DIEGO & IMPERIAL VALLEY RAILROAD CO INC
SE	SEMO PORT RAILROAD INC
SERA	SIERRA RAILROAD COMPANY
SFG	SOCIETE DU CHEMIN DE FER DE LA GASPESIE
SFR	SOUTHERN FREIGHT RAILROAD
SFS	SANTA FE SOUTHERN RAILWAY
SGLR	SEMINOLE GULF RAILWAY L P
SH	STEELTON & HIGHSPIRE RAILROAD COMPANY
SIND	SOUTHERN INDIANA RAILWAY INC
SJVR	SAN JOAQUIN VALLEY RAILROAD CO
SKOL	SOUTH KANSAS & OKLAHOMA RAILROAD INC
SL	SALT LAKE CITY SOUTHERN RAILROAD COMPANY INC
SLAL	SOUTH PLAINS LAMESA RAILROAD LTD
SLC	SAN LUIS CENTRAL RAILROAD COMPANY
SLGG	S & L RAILROAD LLC
SLGW	SALT LAKE GARFIELD AND WESTERN RAILWAY COMPANY
SLQ	ST LAWRENCE & ATLANTIC RAILROAD (QUEBEC) INC
SLR	ST LAWRENCE & ATLANTIC RAILROAD CO
SLRG	SAN LUIS & RIO GRANDE RAILROAD INC
SLRS	SMS RAIL SERVICE INC
SLWC	STILLWATER CENTRAL RAILROAD COMPANY INC
SM	SAINT MARYS RAILROAD COMPANY
SMA	SAN MANUEL ARIZONA RAILROAD COMPANY
SMNR	SOUTHERN MANITOBA RAILWAY INC
SMRR	SISSETON MILBANK RAILROAD
SMV	SANTA MARIA VALLEY RAILROAD COMPANY
SMW	ST MARYS RAILWAY WEST LLC
SNC	SARATOGA & NORTH CREEK RAILWAY
SNR	SUNFLOUR RAILROAD INC
SNY	SMS RAIL LINES OF NEW YORK LLC
SOM	SOMERSET RAILROAD CORPORATION
SORA	SOUTHERN RAILS COOPERATIVE LIMITED
SPSR	SAN PEDRO RAILROAD OPERATING CO LLC D/B/A SAN PEDRO & SOUTHWESTERN RAILROAD COMPANY

<b>SCAC</b>	<b>RAILROAD NAME</b>
SQVR	SEQUATCHIE VALLEY RAILROAD INC
SRC	STRASBURG RAILROAD COMPANY
SRN	SABINE RIVER & NORTHERN RAILROAD COMPANY
SRNJ	SOUTHERN RAILROAD COMPANY OF NEW JERSEY
SRRR	SWAN RANCH RAILROAD LLC
SRY	SOUTHERN RAILWAY OF BRITISH COLUMBIA LTD
SS	SAND SPRINGS RAILWAY COMPANY
SSC	SOUTHERN SWITCHING COMPANY
SSR	S&S SHORTLINE RAILROAD
ST	ST RAIL SYSTEM
STE	STOCKTON TERMINAL AND EASTERN RAILROAD
STMA	ST MARIES RIVER RAILROAD COMPANY
STR	SHAWNEE TERMINAL RAILWAY COMPANY INC
STRT	STEWARTSTOWN RAILROAD CO
STS	SANTA TERESA SOUTHERN RAILROAD, LLC
SUN	SUNSET RAILWAY COMPANY
SVI	SOUTHERN RAILWAY OF VANCOUVER ISLAND LIMITED
SVRR	SHAMOKIN VALLEY RAILROAD COMPANY
SW	SOUTHWESTERN RAILROAD COMPANY INC
SWP	SOUTHWEST PENNSYLVANIA RAILROAD COMPANY
TASD	TERMINAL RAILWAY ALABAMA STATE DOCKS
TBRY	THERMAL BELT RAILWAY
TC	TEMPLE & CENTRAL TEXAS RAILWAY, INC.
TCB	TEXAS CENTRAL BUSINESS LINES CORPORATION
TCG	TUCSON CORNELIA & GILA BEND RAILROAD COMPANY
TCKR	TURTLE CREEK INDUSTRIAL RAILROAD INC
TCRY	TRI-CITY RAILROAD COMPANY
TCT	TEXAS CITY TERMINAL RAILWAY COMPANY
TCWR	TWIN CITIES & WESTERN RAILROAD
TFVM	TERMINAL FERROVIARIA DEL VALLE DE MEXICO SA DE CV
TI	TURNERS ISLAND LLC
TIBR	TIMBERROCK RAILROAD COMPANY INC
TIRL	TONAWANDA ISLAND RAILROAD INC
TKEN	TENNKEN RAILROAD COMPANY INC
TLE	MIDWEST RAIL, LLC DBA TOLEDO, LAKE ERIE AND WESTERN RAILWAY
TMBL	TACOMA MUNICIPAL BELT LINE RAILWAY
TMSS	TOWANDA AND MONROETON SHIPPERS LIFELINE, INC.
TMUS	TRANSMEX/USA INC
TN	TEXAS & NORTHERN
TNER	TEXAS NORTHEASTERN DIVISION MID-MICHIGAN RAILROAD INC
TNHR	THREE NOTCH RAILWAY LLC
TNMR	TEXAS-NEW MEXICO DIVISION (AUSTIN & NORTHWESTERN RAILROAD COMPANY INC)
TPW	TOLEDO PEORIA & WESTERN RAILWAY CORPORATION

SCAC	RAILROAD NAME
TR	TOMAHAWK RAILWAY L P
TRC	TRONA RAILWAY COMPANY
TRIN	TRINIDAD RAILWAY INC
TRMW	TACOMA RAIL MOUNTAIN DIVISION
TRR	THUNDER RAIL LTD
TRRA	TERMINAL RAILROAD ASSOCIATION OF ST LOUIS
TRRY	TRILLIUM RAILWAY CO LTD
TRV	TORCH RIVER RAIL INC.
TSE	TEXAS SOUTH-EASTERN RAILROAD COMPANY
TSRR	TENNESSEE SOUTHERN RAILROAD CO INC
TSU	TULSA-SAPULPA UNION RAILWAY COMPANY L L C
TTIS	TRANSKENTUCKY TRANSPORTATION RAILROAD CO INC
TTR	TALLEYRAND TERMINAL RAILROAD COMPANY INC
TVRR	TULARE VALLEY RAILROAD COMPANY
TXGN	TEXAS GONZALES & NORTHERN RAILWAY COMPANY
TXNW	TEXAS NORTH WESTERN RAILWAY COMPANY
TXOR	TEXAS AND OKLAHOMA RAILROAD COMPANY
TXPF	TEXAS PACIFICO TRANSPORTATION LTD
TXR	TEXAS ROCK CRUSHER RAILWAY COMPANY
TYBR	TYBURN RAILROAD, LLC
TZPR	TAZEWELL & PEORIA RAILROAD INC
UCIR	UNION COUNTY INDUSTRIAL RAILROAD COMPANY
UCRY	UTAH CENTRAL RAILWAY COMPANY
UMP	UPPER MERION AND PLYMOUTH RAILROAD COMPANY
UP	UNION PACIFIC RAILROAD COMPANY
URR	UNION RAILROAD COMPANY
USNY	U.S. RAIL OF NEW YORK, LLC
USR	UTAH SOUTHERN RAILROAD COMPANY LLC
USRP	U.S. RAIL CORPORATION LLC
UTAH	UTAH RAILWAY COMPANY
VCRR	VENTURA COUNTY RAILROAD COMPANY
VR	VALDOSTA RAILWAY L P
VRR	VAUGHN RAILROAD COMPANY
VRRC	VANDALIA RAILROAD COMPANY
VSOR	VICKSBURG SOUTHERN RAILROAD INC
VSR	V AND S RAILWAY INC
VSRR	VIRGINIA SOUTHERN RAILROAD DIVISION NORTH CAROLINA & VIRGINIA RAILROAD
VST	V&S RAILWAY INC D/B/A TOWNER RAILWAY
VTR	VERMONT RAILWAY INC
VVRR	VERMILION VALLEY RAILROAD COMPANY INC
WACR	WASHINGTON COUNTY RAILROAD CORPORATION
WBCR	WABASH CENTRAL RAILROAD CORPORATION
WCLR	WACCAMAW COASTLINE RAILROAD CO INC

<b>SCAC</b>	<b>RAILROAD NAME</b>
WCOR	WELLSBORO & CORNING RAILROAD LLC
WE	WHEELING & LAKE ERIE RAILWAY COMPANY
WFS	WEST ISLE LINE INC
WGCR	WIREGRASS CENTRAL RAILWAY LLC
WHOE	WALKING HORSE & EASTERN RAILROAD CO INC
WHRC	WINDSOR & HANTSPOUR RAILWAY CO
WIR	WASHINGTON & IDAHO RAILWAY INC
WKRL	WESTERN KENTUCKY RAILWAY LLC
WMI	WEST MICHIGAN RAILROAD CO
WN	PROGRESSIVE RAIL INC D/B/A WISCONSIN NORTHERN RAILROAD
WNFR	KANAWHA RAIL CORP
WNYP	WESTERN NEW YORK & PENNSYLVANIA RAILROAD LLC
WPRR	WILLAMETTE & PACIFIC RAILROAD INC
WRRC	WESTERN RAILROAD COMPANY
WRS	WESTERN RAIL SWITCHING INC
WSOR	WISCONSIN & SOUTHERN RAILROAD COMPANY
WSR	WARREN & SALINE RIVER RAILROAD COMPANY
WSRY	WINAMAC SOUTHERN RAILWAY COMPANY
WSS	WINSTON-SALEM SOUTHBOUND RAILWAY COMPANY (CSX TRANSPORTATION)
WTA	WICHITA TERMINAL ASSOCIATION
WTCO	WESTERN TRANSPORTATION CO
WTJR	WICHITA TILLMAN & JACKSON RAILWAY COMPANY INC
WTLC	WEST TEXAS AND LUBBOCK RAILWAY COMPANY
WTNN	WEST TENNESSEE RAILROAD CORP
WTRM	WARREN & TRUMBULL RAILROAD COMPANY, THE
WTRY	WILMINGTON TERMINAL RAILROAD INC
WURR	WALLOWA UNION RAILROAD AUTHORITY
WVC	WEST VIRGINIA CENTRAL RAILROAD
WVR	WILLAMETTE VALLEY RAILWAY COMPANY INC
WW	WINCHESTER AND WESTERN RAILROAD COMPANY
WWRC	WILMINGTON & WESTERN RAILWAY CORP
WYEC	WYE TRANSPORTATION CO
YARR	YOUNGSTOWN & AUSTINTOWN RAILROAD CO
YB	YOUNGSTOWN BELT RAILROAD COMPANY, THE
YCR	YCR CORP
YRC	YORK RAILWAY COMPANY
YRPL	YELM ROY PRAIRIE LINE
YSRR	YOUNGSTOWN & SOUTHEASTERN RAILROAD COMPANY INC
YSVR	YELLOWSTONE VALLEY RAILROAD INC
YVRR	YADKIN VALLEY RAILROAD COMPANY
YVT	YAKIMA VALLEY TRANSPORTATION COMPANY
YW	YREKA WESTERN RAILROAD COMPANY

## Railroads Sorted by Name

RAILROAD NAME	SCAC
A & R LINE INC	ARE
ABERDEEN AND ROCKFISH RAILROAD COMPANY	AR
ABERDEEN CAROLINA & WESTERN RAILWAY CO	ACWR
ACADIANA RAILWAY COMPANY	AKDN
ADAMS WARNOCK RAILWAY, INC.	AWRY
ADRIAN & BLISSFIELD RAIL ROAD COMPANY	ADBF
AIKEN RAILWAY COMPANY, LLC	AIKR
AIRLAKE TERMINAL RAILWAY COMPANY	ALT
AKRON BARBERTON CLUSTER RAILWAY COMPANY	AB
ALABAMA & FLORIDA RAILWAY CO	AF
ALABAMA & GULF COAST RAILWAY LLC	AGR
ALABAMA & TENNESSEE RIVER RAILWAY LLC	ATN
ALABAMA RAILROAD CO INC	ALAB
ALABAMA SOUTHERN RAILROAD	ABS
ALABAMA WARRIOR RAILWAY, LLC.	ABWR
ALAMEDA BELT LINE	ABL
ALAMO GULF COAST RAILROAD COMPANY	AGCR
ALASKA RAILROAD CORPORATION	ARR
ALBANY & EASTERN RAILROAD COMPANY	AERC
ALBANY PORT DISTRICT	APD
ALBERTA PRAIRIE RAILWAY	APR
ALEXANDER RAILROAD COMPANY	ARC
ALGERS WINSLOW AND WESTERN RAILWAY COMPANY	AWW
ALIQUIPPA & OHIO RIVER RAILROAD COMPANY	AOR
ALLEGHENY SOUTHERN RAILROAD INC	ASR
ALLEGHENY VALLEY RAILROAD COMPANY	AVR
ALTON & SOUTHERN RAILWAY COMPANY	ALS
AMADOR FOOTHILLS RAILROAD	AFR
AMTRAK-NATIONAL RAILROAD PASSENGER CORPORATION	AMTK
AN RAILWAY LLC	AN
ANGELINA & NECHES RIVER RAILROAD COMPANY	ANR
ANN ARBOR RAILROAD	AA
APACHE RAILWAY COMPANY	APA
APPALACHIAN & OHIO RAILROAD INC	AO
APPANOOSE COUNTY COMMUNITY RAILROAD INC	APNC
ARCADE AND ATTICA RAILROAD CORPORATION	ARA
ARIZONA & CALIFORNIA RAILROAD CO	ARZC

<b>RAILROAD NAME</b>	<b>SCAC</b>
ARIZONA CENTRAL RAILROAD INC	AZCR
ARIZONA EASTERN RAILWAY COMPANY	AZER
ARKANSAS AND MISSOURI RAILROAD CO	AM
ARKANSAS LOUISIANA & MISSISSIPPI RAILROAD COMPANY	ALM
ARKANSAS MIDLAND RAILROAD CO INC	AKMD
ARKANSAS SOUTHERN RAILROAD	ARS
ARKANSAS-OKLAHOMA RAILROAD INC	AOK
ASHLAND RAILWAY CO	ASRY
ASHTABULA CARSON & JEFFERSON RAILROAD	ACJR
AT & L RAILROAD CO INC	ATLT
ATHENS LINE LLC, THE	ABR
ATLANTIC & WESTERN RAILWAY, L P	ATW
AUSTIN WESTERN RAILROAD	AWRR
AUTAUGA NORTHERN RAILROAD LLC	AUT
B&H RAIL CORP	BH
BAJA CALIFORNIA RAILROAD INC	BJRR
BALLARD TERMINAL RAILROAD CO LLC	BDTL
BALLARD TERMINAL RAILROAD COMPANY LLC D/B/A MEEKER SOUTHERN RAILROAD	MSN
BALTIMORE AND OHIO CHICAGO TERMINAL RAILROAD CO	BOCT
BARRIE-COLLINGWOOD RAILWAY	BCRY
BATTEN KILL RAILROAD INC	BKRR
BATTLE RIVER RAILWAY NGC INC	BRR
BAUXITE & NORTHERN RAILWAY COMPANY	BXN
BAY COAST RAILROAD	BCR
BAY COLONY RAILROAD CORPORATION	BCLR
BAY LINE RAILROAD L L C, THE	BAYL
BEECH MOUNTAIN RAILROAD COMPANY	BEEM
BELFAST AND MOOSEHEAD LAKE RAILROAD COMPANY	BML
BELT RAILWAY COMPANY OF CHICAGO	BRC
BELVIDERE & DELAWARE RIVER RAILWAY COMPANY INC	BDRV
BHP NEVADA RAILROAD COMPANY	BHP
BIG SKY RAIL CORP	BGS
BIG SPRING RAIL SYSTEM, INC.	BSR
BIGHORN DIVIDE & WYOMING RAILROAD INC	BDW
BIRMINGHAM TERMINAL RAILWAY LLC	BHRR
BI-STATE DEVELOPMENT AGENCY	BSDA
BLACK RIVER & WESTERN CORPORATION	BRW
BLACKLANDS RAILROAD THE	BLR
BLACKWELL NORTHERN GATEWAY RAILROAD COMPANY	BNG
BLOOMER LINE, THE	BLOL
BLUE MOUNTAIN RAILROAD INC	BLMR
BNSF RAILWAY COMPANY	BNSF

<b>RAILROAD NAME</b>	<b>SCAC</b>
BOISE VALLEY RAILROAD, INC.	BVRR
BOONE & SCENIC VALLEY RAILROAD	BSVY
BOOT HILL & WESTERN RAILWAY CO LC	BHWY
BORDER PACIFIC RAILROAD CO	BOP
BOUNDARY TRAIL RAILWAY COMPANY INC.	BTR
BRANDON RAILROAD LLC	BRAN
BRANDYWINE VALLEY RAILROAD COMPANY	BVRY
BROOKHAVEN RAIL, LLC	BHR
BROWNSVILLE AND RIO GRANDE INTERNATIONAL RR	BRG
BUCKINGHAM BRANCH RAILROAD COMPANY	BB
BUFFALO & PITTSBURGH RAILROAD INC	BPRR
BUFFALO SOUTHERN RAILROAD INC	BSOR
BURLINGTON JUNCTION RAILWAY	BJRY
BURLINGTON NORTHERN (MANITOBA) LTD	BNML
C & NC RAILROAD CORPORATION	CNUR
C & S RAILROAD CORPORATION	CSKR
C F LANAUDIÈRE INC	CFL
C&J RAILROAD COMPANY D/B/A MISSISSIPPI DELTA RAILROAD	MD
CADDO VALLEY RAILROAD COMPANY	CVYR
CALDWELL COUNTY RAILROAD COMPANY	CWCY
CALIFORNIA NORTHERN RAILROAD COMPANY LP	CFNR
CAMBRIA AND INDIANA RAILROAD COMPANY	CI
CAMDEN & SOUTHERN RAILROAD INC	CSR
CAMP CHASE INDUSTRIAL RAILROAD CORPORATION	CCRA
CANADIAN NATIONAL RAILWAYS	CN
CANADIAN PACIFIC RAILWAY	CPRS
CANEY FORK AND WESTERN RR	CFWR
CANTON RAILROAD COMPANY	CTN
CAPE BRETON & CENTRAL NOVA SCOTIA RAILWAY	CBNS
CAPE FEAR RAILWAYS INC	CF
CAPE MAY SEASHORE LINES	CMSL
CARLTON TRAIL RAILWAY COMPANY	CTRW
CAROLINA COASTAL RAILWAY INC	CLNA
CAROLINA PIEDMONT DIVISION SOUTH CAROLINA CENTRAL RAILROAD COMPANY INC	CPDR
CAROLINA SOUTHERN RAILROAD COMPANY, THE	CALA
CARRIZO GORGE RAILWAY INC	CZRY
CASCADE AND COLUMBIA RIVER RAILROAD COMPANY	CSCD
CATERPARROTT RAILNET, LLC	CPR
CEDAR RAPIDS & IOWA CITY RAILWAY COMPANY	CIC
CENTRAL CALIFORNIA TRACTION COMPANY	CCT
CENTRAL ILLINOIS RAILROAD COMPANY	CIRY
CENTRAL INDIANA & WESTERN RAILROAD CO INC	CEIW



<b>RAILROAD NAME</b>	<b>SCAC</b>
CENTRAL MANITOBA RAILWAY INC	CEMR
CENTRAL MIDLAND RAILWAY COMPANY	CMR
CENTRAL MONTANA RAIL INC	CM
CENTRAL NEW ENGLAND RAILROAD CO INC	CNZR
CENTRAL NEW YORK RAILROAD CORPORATION	CNYK
CENTRAL OREGON & PACIFIC RAILROAD INC	CORP
CENTRAL RAILROAD COMPANY OF INDIANAPOLIS	CERA
CENTRAL RAILROAD OF INDIANA	CIND
CENTRAL WASHINGTON RAILROAD COMPANY	CWA
CG RAILWAY INC	CGR
CHAPARRAL RAILROAD COMPANY INC	CHRC
CHARLOTTE SOUTHERN RAILROAD COMPANY	CHS
CHATTAHOOCHEE BAY RAILROAD INC	CHAT
CHATTAHOOCHEE INDUSTRIAL RAILROAD	CIRR
CHATTOOGA & CHICKAMAUGA RAILWAY CO	CCKY
CHESAPEAKE & ALBEMARLE	CA
CHESAPEAKE AND INDIANA RAILROAD COMPANY INC	CKIN
CHESAPEAKE RAILROAD COMPANY	CHRR
CHESSIE LOGISTICS CO., LLC	CLCY
CHESTNUT RIDGE RAILWAY COMPANY	CHR
CHICAGO FT WAYNE & EASTERN A DIVISION OF CENTRAL RAILROAD OF INDIANAPOLIS INC	CFE
CHICAGO RAIL LINK	CRL
CHICAGO SOUTHSHORE & SOUTH BEND RAILROAD	CSS
CHICAGO TERMINAL RAILROAD	CTM
CHICAGO-CHEMUNG RAILROAD CORP	CCUO
CIMARRON VALLEY RAILROAD L C	CVR
CITY OF PRINEVILLE RAILWAY	COP
CITY OF ROCHELLE ILLINOIS	CIR
CLAREMONT CONCORD RAILROAD CORPORATION	CCRR
CLARENDON AND PITTSFORD RAILROAD COMPANY, THE	CLP
CLEVELAND COMMERCIAL RAILROAD COMPANY LLC	CCRL
CLEVELAND HARBOR BELT RAILROAD, LLC	CHB
CLEVELAND WORKS RAILWAY COMPANY	CWRO
CLINTON TERMINAL RAILROAD COMPANY	CTR
CLOQUET TERMINAL RAILROAD COMPANY INC	CTRR
CN AQUATRAN	CNAT
COLORADO & WYOMING RWY CO	CW
COLUMBIA & COWLITZ RAILWAY LLC	CLC
COLUMBIA & NORTHERN RAILWAY CO	CNOW
COLUMBIA & READING RAILWAY CO	CORY
COLUMBIA BASIN RAILROAD COMPANY INC	CBRW
COLUMBIA TERMINAL	CT

<b>RAILROAD NAME</b>	<b>SCAC</b>
COLUMBUS & CHATTAHOOCHEE RAILROAD, INC	CCH
COLUMBUS & OHIO RAILROAD COMPANY	CUOH
COLUMBUS AND GREENVILLE RAILWAY	CAGY
COMMONWEALTH RAILWAY INC	CWRY
COMPANIA DE FERROCARRILES CHIAPAS MAYAB SA DE CV	FCCM
COMSTOCK MOUNTAIN LION RAILROAD, INC.	CMRR
CONECUH VALLEY RAILWAY LLC	COEH
CONNECTICUT SOUTHERN RAILROAD INC	CSO
COOPERSVILLE AND MARNE RAILWAY COMPANY	CPMY
COOS BAY RAILROAD OPERATING CO., LLC	CBR
COPPER BASIN RAILWAY INC	CBRY
CORPUS CHRISTI TERMINAL RAILROAD INC	CCPN
CRAB ORCHARD & EGYPTIAN RAILWAY A DIVISION OF PROGRESSIVE RAIL INC	COER
CSX TRANSPORTATION	CSXT
CWRR INC	CWR
D & I RAILROAD COMPANY	DAIR
DAKOTA MISSOURI VALLEY & WESTERN RAILROAD INC	DMVW
DAKOTA NORTHERN RAILROAD INC	DN
DAKOTA SHORT LINE	DAKS
DAKOTA SOUTHERN RAILWAY COMPANY	DSRC
DALLAS GARLAND & NORTHEASTERN RAILROAD INC	DGNO
DALLAS TERMINAL RAILWAY	DALT
DANSVILLE AND MOUNT MORRIS RAILROAD COMPANY, THE	DMM
DARDANELLE & RUSSELLVILLE RAILROAD COMPANY	DR
DECATUR JUNCTION RAILWAY COMPANY	DT
DELAWARE COAST LINE RR CO	DCLR
DELAWARE VALLEY RAILWAY COMPANY INC	DV
DELAWARE-LACKAWANNA RAILROAD CO INC	DL
DELRAY CONNECTING RAILROAD COMPANY	DC
DELTA SOUTHERN RAILROAD COMPANY	DSRR
DELTA VALLEY & SOUTHERN RAILWAY COMPANY	DVS
DENVER ROCK ISLAND RAILROAD	DRIR
DEPEW LANCASTER & WESTERN RAILROAD CO INC	DLWR
DEQUEEN & EASTERN RAILROAD LLC	DQE
DETROIT CONNECTING RAILROAD COMPANY	DCON
DEVCO RY (CAPE BRETON DEVELOPMENT CORP)	DVR
DRAKE SWITCHING COMPANY, LLC	DSC
DUBOIS COUNTY RAILROAD	DCRR
DURBIN & GREENBRIER VALLEY RAILROAD INC	DGVR
E & N RAILWAY COMPANY (1998) LTD	ENR
EAST BROOKFIELD & SPENCER RAILROAD LLC	EBSR
EAST CAMDEN & HIGHLAND RR CO	EACH
EAST CHATTANOOGA BELT RAILWAY COMPANY	ECTB

<b>RAILROAD NAME</b>	<b>SCAC</b>
EAST COOPER AND BERKELEY RAILROAD COMPANY	ECBR
EAST ERIE COMMERCIAL RAILROAD	EEC
EAST JERSEY RAILROAD AND TERMINAL COMPANY	EJR
EAST MAHANoy & HAZELTON RAILROAD COMPANY	EMHR
EAST PENN RAILROAD LLC	ESPN
EAST TENNESSEE RAILWAY, L P	ETRY
EASTERN ALABAMA RAILWAY	EARY
EASTERN BERKS GATEWAY RAILROAD COMPANY	EBG
EASTERN IDAHO RAILROAD INC	EIRR
EASTERN ILLINOIS RAILROAD COMPANY	EIRC
EASTERN MAINE RAILWAY COMPANY	EMRY
EASTERN WASHINGTON GATEWAY RAILROAD COMPANY	EWG
ECORAIL INC	ECO
EFFINGHAM RAILROAD COMPANY	EFRR
EL DORADO AND WESSON RAILWAY COMPANY	EDW
ELK RIVER RAILROAD INC	ELKR
ELKHART & WESTERN RAILROAD CO	EWR
ELLIS & EASTERN COMPANY	EE
ESCANABA AND LAKE SUPERIOR RAILROAD COMPANY	ELS
ESSEX TERMINAL RAILWAY COMPANY THE	ETL
EVANSVILLE WESTERN RAILWAY INC	EVWR
EVERETT RAILROAD	EV
FALLS ROAD RAILROAD CO INC	FRR
FARMRAIL CORPORATION	FMRC
FERROCARRIL MEXICANO S A DE C V	FXE
FERROSUR S A DE C V	FSRR
FINGER LAKES RAILWAY CORP	FGLK
FIRST COAST RAILROAD INC	FCRD
FLATS INDUSTRIAL RAILROAD COMPANY	FIR
FLORIDA CENTRAL RAILROAD CO	FCEN
FLORIDA EAST COAST RAILWAY, LLC	FEC
FLORIDA MIDLAND RAILROAD CO INC	FMID
FLORIDA NORTHERN RAILROAD COMPANY INC	FNOR
FLORIDA WEST COAST RAILROAD INC	FWCR
FORDYCE AND PRINCETON RAILROAD CO	FP
FORE RIVER TRANSPORTATION CORPORATION	FRVT
FORT SMITH RAILROAD CO	FSR
FORT WORTH & DALLAS BELT RAILROAD	FWDB
FORT WORTH & WESTERN RAILROAD	FWWR
FULTON COUNTY RAILROAD INC	FC
FULTON COUNTY RAILWAY LLC	FCR
GALVESTON RAILROAD LP	GVSR
GARDEN CITY WESTERN RAILWAY COMPANY, THE	GCW

<b>RAILROAD NAME</b>	<b>SCAC</b>
GARDENDALE RAILROAD, INC	GRD
GARY RAILWAY COMPANY	GRW
GATEWAY EASTERN RAILWAY COMPANY	GWWE
GEORGES CREEK RAILWAY	GCK
GEORGETOWN RAILROAD COMPANY	GRR
GEORGIA & FLORIDA RAILNET INC	GFRR
GEORGIA CENTRAL RAILWAY L P	GC
GEORGIA MIDLAND RAILROAD INC	GMR
GEORGIA NORTHEASTERN RAILROAD CO	GNRR
GEORGIA SOUTHERN RAILWAY CO.	GS
GEORGIA SOUTHWESTERN RAILROAD INC	GSWR
GEORGIA WOODLANDS RAILROAD CO	GWRC
GETTYSBURG & NORTHERN RAILROAD CO	GET
GLOSTER SOUTHERN RAILROAD COMPANY	GLSR
GNP RLY INC.	GNPR
GODERICH-EXETER RAILWAY COMPANY LTD	GEXR
GOLDEN ISLES TERMINAL RAILROAD INC	GITM
GOLDEN TRIANGLE RAILROAD LLC	GTRA
GRAFTON AND UPTON RAILROAD COMPANY	GU
GRAINBELT CORPORATION	GNBC
GRAND ELK RAILROAD, LLC.	GDLK
GRAND FORKS RAILWAY COMPANY	GFR
GRAND RAPIDS EASTERN RAILROAD INC	GR
GREAT LAKES CENTRAL RAILROAD	GLC
GREAT NORTHWEST RAILROAD INC	GRNW
GREAT RIVER RAILROAD	GTR
GREAT SMOKEY MOUNTAINS RAILWAY INC	GSM
GREAT WALTON RAILROAD CO, THE	GRWR
GREAT WESTERN RAILWAY LTD	GWRS
GREAT WESTERN RAILWAY OF COLORADO LLC	GWR
GREEN MOUNTAIN RAILROAD CORPORATION	GMRC
GREENVILLE & WESTERN RAILWAY COMPANY LLC	GRLW
GRENADA RAILWAY LLC	GRYR
HAINESPORT INDUSTRIAL RAILROAD LLC	HIRR
HAMPTON & BRANCHVILLE RAILROAD COMPANY	HB
HAMPTON RAILWAY INC	HLSC
HARDIN SOUTHERN RAILROAD INC	HSRR
HARTWELL RAILROAD COMPANY	HRT
HEART OF GEORGIA RAILROAD INC	HOG
HEART OF TEXAS RAILROAD, LP	HTR
HENDERSON OVERTON BRANCH	HOB
HERITAGE RAILROAD CORP	HR
HIGH POINT THOMASVILLE & DENTON RAILROAD COMPANY	HPTD

<b>RAILROAD NAME</b>	<b>SCAC</b>
HILTON & ALBANY RAILROAD, INC.	HAL
HOLLIDAYSBURG AND ROARING SPRING RAILROAD COMPANY	HRS
HOLLIS & EASTERN R R CO	HE
HONDO RAILWAY LLC	HRR
HONEY CREEK RAILROAD INC	HCRR
HOOSIER SOUTHERN RAILROAD	HOS
HOUSATONIC RAILROAD COMPANY INC	HRRC
HUDSON BAY RAILWAY COMPANY	HBRY
HUNTSVILLE & MADISON COUNTY RAILROAD AUTHORITY	HMCR
HURON AND EASTERN RAILWAY COMPANY INC	HESR
HURON CENTRAL RAILWAY INC	HCRY
HUTCHINSON AND NORTHERN RAILWAY COMPANY, THE	HN
IDAHO NORTHERN & PACIFIC RAILROAD COMPANY	INPR
ILLINOIS & MIDLAND RAILROAD INC	IMRR
ILLINOIS RAILNET INC	IR
ILLINOIS WESTERN RAILROAD COMPANY	ILW
INDIAN CREEK RAILROAD COMPANY	ICRK
INDIANA & OHIO RAILWAY COMPANY	IORY
INDIANA EASTERN RAILROAD LLC	IERR
INDIANA HARBOR BELT RAILROAD COMPANY	IHB
INDIANA NORTHEASTERN RAILROAD COMPANY INC	IN
INDIANA RAIL ROAD CORPORATION	INRD
INDIANA SOUTHERN RAILROAD COMPANY INC	ISRR
INDIANA SOUTHWESTERN RAILWAY CO	ISW
INTERNATIONAL BRIDGE AND TERMINAL COMPANY, THE	IBT
IOWA INTERSTATE RAILROAD LTD	IAIS
IOWA NORTHERN RAILROAD	IANR
IOWA NORTHWESTERN RAILROAD	IANW
IOWA RIVER RAILROAD INC	IARR
IOWA SOUTHERN RAILROAD COMPANY	ISR
IOWA TRACTION RAILWAY COMPANY	IATR
J K LINE INC	JKL
JACKSON & LANSING RAILROAD COMPANY	JAIL
JUNIATA VALLEY RAILROAD COMPANY	JVRR
KANAWHA RAIL CORP	WNFR
KANKAKEE BEAVERVILLE AND SOUTHERN RAILROAD COMPANY	KBSR
KANSAS & OKLAHOMA RAILROAD INC	KO
KANSAS CITY SOUTHERN DE MEXICO S DE R L DE C V	KCSM
KANSAS CITY SOUTHERN RAILWAY COMPANY	KCS
KANSAS CITY TRANSPORTATION CO LLC	KCTL
KANSAS EASTERN RAILROAD INC	KE
KASGRO RAIL LINES	KRL
KAW RIVER RAILROAD	KAW

<b>RAILROAD NAME</b>	<b>SCAC</b>
KELOWNA PACIFIC RAILWAY LTD	KPR
KENDALLVILLE TERMINAL RAILWAY CO	KTR
KENTUCKY AND TENNESSEE RAILWAY	KT
KEOKUK JUNCTION RAILWAY	KJRY
KETTLE FALLS INTERNATIONAL RAILWAY LLC	KFR
KIAMICHI RAILROAD COMPANY LLC	KRR
KINGMAN TERMINAL RAILROAD, LLC	KGTR
KISKI JUNCTION RAILROAD	KJR
KLAMATH NORTHERN RAILWAY COMPANY	KNOR
KNOX & KANE RAILROAD COMPANY	KKRR
KNOXVILLE & HOLSTON RIVER RAILROAD CO INC	KXHR
KOSCIUSKO SOUTHWESTERN RAILWAY	KSRV
KWT RAILWAY INC	KWT
KYLE RAILROAD COMPANY	KYLE
LAKE COUNTY RAILROAD	LCR
LAKE LINE RAILROAD INC.	LLR
LAKE MICHIGAN AND INDIANA RAILROAD COMPANY	LMIC
LAKE STATE RAILWAY COMPANY	LSRC
LAKE SUPERIOR & ISHPEMING RAILROAD COMPANY	LSI
LAKE TERMINAL RAILROAD COMPANY, THE	LT
LAMOILLE VALLEY RAILROAD COMPANY	LVRC
LANCASTER & CHESTER RAILROAD, LLC.	LC
LANDISVILLE RAILROAD, LLC	LVR
LANDISVILLE TERMINAL & TRANSFER COMPANY	LNVT
LAPEER INDUSTRIAL RAILROAD COMPANY	LIRR
LAST MOUNTAIN RAILWAY	LMR
LAURINBURG AND SOUTHERN RAILROAD COMPANY	LRS
LEHIGH RAILWAY, LLC.	LRWY
LEHIGH VALLEY RAIL MANAGEMENT LLC - BETHLEHEM DIVISION	LVRB
LEHIGH VALLEY RAIL MANAGEMENT LLC - JOHNSTOWN DIVISION	LVRJ
LEWIS & CLARK RAILWAY CO	LINC
LINEA COAHUILA DURANGO SA DE CV	LFGD
LITTLE KANAWHA RIVER RAIL INC	LKRR
LITTLE ROCK & WESTERN RAILWAY, L P	LRWN
LITTLE ROCK PORT RAILROAD	LRPA
LIVONIA, AVON & LAKEVILLE RAILROAD CORPORATION	LAL
LOGANSPOUT & EEL RIVER SHORT-LINE CO INC	LER
LONG CREEK RAILROAD COMPANY INC	LCRI
LONG ISLAND RAILROAD COMPANY	LI
LONGVIEW SWITCHING COMPANY	LVSW
LOS ANGELES JUNCTION RAILWAY COMPANY	LAJ
LOUISIANA & DELTA RAILROAD INC	LDRR
LOUISIANA AND NORTH WEST RAILROAD COMPANY, THE	LNW

<b>RAILROAD NAME</b>	<b>SCAC</b>
LOUISIANA SOUTHERN RAILROAD	LAS
LOUISVILLE & INDIANA RAILROAD COMPANY	LIRC
LOUISVILLE AND WADLEY RAILWAY COMPANY	LW
LOUISVILLE NEW ALBANY & CORYDON RAILROAD	LNAL
LOWVILLE AND BEAVER RIVER RAILROAD COMPANY THE LRY LLC.	LBR LRY
LUXAPALILA VALLEY RAILROAD INC	LXVR
LUZERNE AND SUSQUEHANNA RAILWAY COMPANY	LS
LYCOMING VALLEY RAILROAD COMPANY	LVRR
M&B RAILROAD LLC	MNBR
MADISON RAILROAD (A DIV OF CITY OF MADISON PORT AUTHORITY)	CMPA
MAGMA ARIZONA RAILROAD COMPANY	MAA
MAHONING VALLEY RAILWAY COMPANY, THE	MVRY
MAINE NORTHERN RAILWAY COMPANY	MNR
MANATEE COUNTY PORT AUTHORITY	MAUP
MANNING RAIL, INC	MAN
MANUFACTURERS JUNCTION RAILWAY COMPANY	MJ
MARQUETTE RAIL LLC	MQT
MARYLAND AND DELAWARE RAILROAD COMPANY	MDDE
MARYLAND MIDLAND RAILWAY INC	MMID
MASSACHUSETTS CENTRAL RAILROAD CORPORATION	MCER
MASSACHUSETTS COASTAL RAILROAD LLC	MC
MASSENA TERMINAL RAILROAD COMPANY, THE	MSTR
MAUMEE & WESTERN RAILROAD CORPORATION	MAW
MCCLOUD RAILWAY COMPANY	MCR
MCLAUGHLIN LINE RAILROAD	MCLR
MCM RAIL SERVICES, LLC D/B/A BALTIMORE INDUSTRIAL RAILROAD	BDR
MERIDIAN SOUTHERN RAILWAY LLC	MDS
MG RAIL INC	MGRI
MICHIGAN AIR-LINE RAILWAY CO	MAL
MICHIGAN SHORE RAILROAD INC	MS
MICHIGAN SOUTHERN RAILROAD CO INC	MSO
MIDDLETOWN & HUMMELSTOWN RAILROAD COMPANY	MIDH
MIDDLETOWN & NEW JERSEY RAILWAY LLC	MNJ
MID-MICHIGAN RAILROAD INC	MMRR
MIDWEST RAIL, LLC DBA TOLEDO, LAKE ERIE AND WESTERN RAILWAY	TLE
MINNESOTA COMMERCIAL RAILWAY CO	MNNR
MINNESOTA DAKOTA & WESTERN RAILWAY COMPANY	MDW
MINNESOTA NORTHERN RAILROAD INC	MNN
MINNESOTA PRAIRIE LINE INC	MPLI
MINNESOTA SOUTHERN RAILWAY INC	MSWY
MISSION MOUNTAIN RAILROAD	MMT
MISSISSIPPI & SKUNA VALLEY RAILROAD LLC	MSV

<b>RAILROAD NAME</b>	<b>SCAC</b>
MISSISSIPPI CENTRAL RAILROAD COMPANY	MSCI
MISSISSIPPI EXPORT RAILROAD COMPANY	MSE
MISSISSIPPI SOUTHERN RAILROAD	MSR
MISSISSIPPI TENNESSEE RAILROAD LLC	MTNR
MISSISSIPPIAN RAILWAY COOPERATIVE INC	MSRW
MISSOURI & NORTHERN ARKANSAS RAILROAD COMPANY INC	MNA
MISSOURI & VALLEY PARK RAILROAD CORP	MVP
MODESTO AND EMPIRE TRACTION COMPANY	MET
MOHALL CENTRAL RAILROAD INC	MHC
MOHALL RAILROAD INC	MRI
MOHAWK ADIRONDACK & NORTHERN RAILROAD CORP	MHWA
MONTANA RAIL LINK INC	MRL
MONTREAL MAINE AND ATLANTIC RAILWAY LTD	MMA
MORRISTOWN & ERIE RAILWAY INC	ME
MORRISTOWN & ERIE RAILWAY INC D/B/A MAINE EASTERN RAILROAD	MERR
MOSCOW, CAMDEN & SAN AUGUSTINE RAILROAD	MCSA
MOTIVE RAIL INC D/B/A MISSOURI NORTH CENTRAL RAILROAD	MNC
MT HOOD RAILROAD CO	MH
MT VERNON TERMINAL RAILWAY INC	MVT
MUNICIPALITY OF EAST TROY WISCONSIN	METW
N D C RAILROAD COMPANY	NDCR
NAPA VALLEY RAILROAD CO	NVRR
NASH COUNTY RAILROAD CORP	NCYR
NASHVILLE & WESTERN RAILROAD CORP	NWR
NASHVILLE AND EASTERN RAILROAD CORP	NERR
NATCHEZ RAILWAY LLC.	NTZR
NAUGATUCK RAILROAD COMPANY INC	NAUG
NC RAILROAD INC	NCRL
NEBKOTA RAILWAY INC	NRI
NEBRASKA CENTRAL RAILROAD COMPANY	NCRC
NEBRASKA KANSAS & COLORADO RAILNET INC	NKCR
NEBRASKA NORTHEASTERN RAILWAY COMPANY	NENE
NEBRASKA NORTHWESTERN RAILROAD INC.	NNW
NELSON AND FT. SHEPPARD RAILWAY CORPORATION	NFTS
NEW BRUNSWICK SOUTHERN RAILWAY COMPANY LIMITED	NBSR
NEW CASTLE INDUSTRIAL RAILROAD	NCIR
NEW ENGLAND CENTRAL RAILROAD INC	NECR
NEW ENGLAND SOUTHERN RAILROAD CO INC	NEGS
NEW HAMPSHIRE AND VERMONT RAILROAD COMPANY	NHVT
NEW HAMPSHIRE CENTRAL RAILROAD INC	NHCR
NEW HAMPSHIRE NORTHCOAST CORP	NHN
NEW HOPE & IVYLAND RAILROAD	NHRR
NEW JERSEY RAIL CARRIER LLC	NJRC



<b>RAILROAD NAME</b>	<b>SCAC</b>
NEW MEXICO GATEWAY RAILROAD LLC	NMGR
NEW ORLEANS & GULF COAST RAILWAY COMPANY INC	NOGC
NEW ORLEANS PUBLIC BELT RAILROAD	NOPB
NEW YORK & ATLANTIC RAILWAY COMPANY	NYA
NEW YORK & GREENWOOD LAKE RAILWAY	NYGL
NEW YORK & LAKE ERIE RAILROAD	NYLE
NEW YORK & OGDENSBURG RAILWAY COMPANY INC	NYOG
NEW YORK NEW JERSEY RAIL LLC	NYNJ
NEW YORK SUSQUEHANNA AND WESTERN RAILWAY CORP	NYSW
NEWBURGH & SOUTH SHORE RAILROAD COMPANY	NSR
NIMISHILLEN & TUSCARAWAS LLC	NTRY
NITTANY & BALD EAGLE RAILROAD CO	NBER
NORFOLK & PORTSMOUTH BELT LINE RAILROAD COMPANY	NPB
NORFOLK SOUTHERN RAILWAY COMPANY (NORFOLK SOUTHERN)	NS
NORTH CAROLINA & VIRGINIA RAILROAD CO INC	NCVA
NORTH CAROLINA PORTS RAILWAY COMMISSION	NCPR
NORTH LOUISIANA & ARKANSAS RAILROAD	NLA
NORTH SHORE RAILROAD CO	NSHR
NORTHERN LINES RAILWAY LLC	NLR
NORTHERN OHIO & WESTERN RAILWAY LTD	NOW
NORTHERN PLAINS RAILROAD INC	NPR
NORTHWESTERN OKLAHOMA RAILROAD COMPANY	NOKL
NORTHWESTERN PACIFIC RAILROAD COMPANY	NWP
OGEECHEE RAILROAD COMPANY	ORC
OHIO & PENNSYLVANIA RAILROAD COMPANY	OHPA
OHIO CENTRAL RAILROAD CO	OHCR
OHIO SOUTHERN RAILROAD CO	OSRR
OHIO TERMINAL RAILWAY COMPANY	OHIO
OHIO VALLEY RAILROAD COMPANY	OVR
OHI-RAIL CORPORATION	OHIC
OIL CREEK & TITUSVILLE LINES	OCTL
OKANAGAN VALLEY RAILWAY COMPANY	OKAN
OLD AUGUSTA RAILROAD LLC	OAR
OLYMPIC RAILROAD CO, THE	OLYR
OMAHA LINCOLN AND BEATRICE RAILWAY COMPANY	OLB
ONTARIO CENTRAL RAILROAD CORPORATION	ONCT
ONTARIO L'ORIGINAL RAILWAY INC	OLO
ONTARIO MIDLAND RAILROAD CORPORATION	OMID
ONTARIO NORTHLAND RAILWAY (ONTARIO NORTHLAND TRANS COMMISSION)	ONT
ORANGE PORT TERMINAL RAILWAY	OPT
OREGON EASTERN RAILROAD	OERR
OREGON PACIFIC & EASTERN RAILWAY COMPANY	OPE

<b>RAILROAD NAME</b>	<b>SCAC</b>
OREGON PACIFIC RAILROAD CO	OPR
OTTERTAIL VALLEY RAILROAD CO INC	OTVR
OTTUMWA TERMINAL RAILROAD CO	OTT
OUACHITA RAILROAD	OUCH
OWEGO & HARFORD RAILWAY INC	OHRY
OWENSVILLE TERMINAL CO INC	OTCO
OZARK VALLEY RAILROAD INC	OVRR
PACIFIC HARBOR LINE INC	PHL
PADUCAH & ILLINOIS RAILROAD COMPANY	PI
PADUCAH & LOUISVILLE RAILWAY	PAL
PALOUSE RIVER & COULEE CITY RAILROAD INC	PCC
PAN AM SOUTHERN, LLC.	PAS
PANHANDLE NORTHERN RAILROAD COMPANY	PNR
PATAPSCO & BACK RIVERS RAILROAD COMPANY	PBR
PEARL RIVER VALLEY RAILROAD COMPANY	PRV
PEE DEE RIVER RAILROAD CORP	PDRR
PECOS VALLEY PERMIAN RAILROAD LLC DBA PECOS VALLEY SOUTHERN RAILW	PVS
PEND OREILLE VALLEY RAILROAD (PORT OF PEND OREILLE)	POVA
PENINSULA TERMINAL COMPANY	PT
PENNSYLVANIA & SOUTHERN RAILWAY LLC	PSCC
PENNSYLVANIA NORTHEASTERN RAILROAD, LLC	PN
PENNSYLVANIA SOUTHWESTERN RAILROAD INC	PSWR
PICKENS RAILWAY COMPANY	PICK
PICKENS RAILWAY COMPANY	PKHP
PIEDMONT & NORTHERN RAILWAY	PNRW
PIONEER INDUSTRIAL RAILWAY CO	PRY
PIONEER VALLEY RAILROAD COMPANY	PVRR
PITTSBURGH & OHIO CENTRAL RAILROAD COMPANY	POHC
PITTSBURGH ALLEGHENY & MCKEES ROCKS RR CO	PAM
PLAINVIEW TERMINAL COMPANY	PTC
POINT COMFORT & NORTHERN RAILWAY COMPANY	PCN
PORT BIENVILLE RAILROAD	PBVR
PORT HARBOR RAILROAD INC	PHRR
PORT JERSEY RAILROAD CO	PJR
PORT OF TILLAMOOK BAY RAILROAD	POTB
PORT TERMINAL RAILROAD ASSOCIATION	PTRA
PORT TERMINAL RAILROAD OF SOUTH CAROLINA	PTR
PORT UTILITIES COMMISSION OF CHARLESTON SC	PUCC
PORTLAND & WESTERN RAILROAD INC	PNWR
PORTLAND TERMINAL RAILROAD COMPANY	PTRC
PORTLAND VANCOUVER JUNCTION RAILROAD LLC	PVJR
PRESCOTT AND NORTHWESTERN RAILROAD COMPANY	PNW
PROGRESSIVE RAIL INC	PGR

<b>RAILROAD NAME</b>	<b>SCAC</b>
PROGRESSIVE RAIL INC D/B/A CANNON VALLEY RAILROAD COMPANY	CVRC
PROGRESSIVE RAIL INC D/B/A WISCONSIN NORTHERN RAILROAD	WN
PROVIDENCE AND WORCESTER RAILROAD COMPANY	PW
PUGET SOUND & PACIFIC RAILROAD COMPANY A DIVISION OF THE ARIZONA & CALIFORNIA RAILROAD CO LP	PSAP
PYCO INDUSTRIES INC	PSC
QUEBEC CENTRAL RAILWAY COMPANY	QCR
QUEBEC GATINEAU RAILWAY INC	QGRY
QUINCY RAILROAD COMPANY	QRR
R J CORMAN RAILROAD COMPANY/ALLENTOWN LINES INC	RJCN
R J CORMAN RAILROAD COMPANY/CENTRAL KENTUCKY LINES	RJCC
R J CORMAN RAILROAD COMPANY/CLEVELAND LINE	RJCL
R J CORMAN RAILROAD COMPANY/MEMPHIS LINE	RJCM
R J CORMAN RAILROAD COMPANY/PENNSYLVANIA LINES INC	RJCP
R J CORMAN RAILROAD COMPANY/TENNESSEE TERMINAL LLC	RJCK
R J CORMAN RAILROAD COMPANY/WESTERN OHIO LINE	RJCW
R J CORMAN RAILROAD COMPANY/WV LINE	RJCV
R J CORMAN RAILROAD CORPORATION/BARDSTOWN LINE	RJCR
RAILINK OTTAWA VALLEY	RLK
RAILINK SOUTHERN ONTARIO	RLHH
RAILROAD SWITCHING SERVICE OF MISSOURI INC	RSM
RARITAN CENTRAL RAILWAY LLC	RCRY
RARUS RAILWAY COMPANY	RARW
READING BLUE MOUNTAIN & NORTHERN RAILROAD COMPANY	RBMN
RED COAT ROAD & RAIL LTD	RCRR
RED RIVER VALLEY & WESTERN RAILROAD CO	RRVW
RED SPRINGS & NORTHERN RAILROAD CO	RSNR
REDMONT RAILWAY COMPANY INC	RRC
RICEBORO SOUTHERN RAILWAY LLC	RSOR
RICHMOND PACIFIC RAILROAD CORPORATION	RPRC
RIO VALLEY SWITCHING COMPANY	RVSC
RIPLEY & NEW ALBANY RAILROAD COMPANY	RNA
RIVERPORT RAILROAD LLC	RVPR
ROBERVAL AND SAGUENAY RAILWAY COMPANY, THE	RS
ROCHESTER & SOUTHERN RAILROAD INC	RSR
ROCK & RAIL INC	RRRR
ROCKDALE SANDOW & SOUTHERN RAILROAD COMPANY	RSS
ROCKY MOUNTAIN RAILCAR AND RAILROAD INC	RMRR
ROGUE VALLEY TERMINAL RAILROAD CORPORATION	RVT
ROSCOE SNYDER & PACIFIC RAILWAY COMPANY	RSP
RUSK, PALESTINE, & PACIFIC RAILROAD, LLC	RPP
RUTLAND LINE INC	RL
S & L RAILROAD LLC	SLGG

<b>RAILROAD NAME</b>	<b>SCAC</b>
S&S SHORTLINE RAILROAD	SSR
SABINE RIVER & NORTHERN RAILROAD COMPANY	SRN
SACRAMENTO VALLEY RAILROAD	SAV
SAINT MARYS RAILROAD COMPANY	SM
SALT LAKE CITY SOUTHERN RAILROAD COMPANY INC	SL
SALT LAKE GARFIELD AND WESTERN RAILWAY COMPANY	SLGW
SAN ANTONIO CENTRAL RAILROAD, LLC	SAC
SAN DIEGO & IMPERIAL VALLEY RAILROAD CO INC	SDIY
SAN JOAQUIN VALLEY RAILROAD CO	SJVR
SAN LUIS & RIO GRANDE RAILROAD INC	SLRG
SAN LUIS CENTRAL RAILROAD COMPANY	SLC
SAN MANUEL ARIZONA RAILROAD COMPANY	SMA
SAN PEDRO RAILROAD OPERATING CO LLC D/B/A SAN PEDRO & SOUTHWESTERN RAILROAD COMPANY	SPSR
SAND SPRINGS RAILWAY COMPANY	SS
SANDERSVILLE RAILROAD COMPANY	SAN
SANTA CRUZ AND MONTEREY BAY RAILWAY COMPANY	SC
SANTA CRUZ BIG TREES & PACIFIC RAILWAY CO	SCBG
SANTA FE SOUTHERN RAILWAY	SFS
SANTA MARIA VALLEY RAILROAD COMPANY	SMV
SANTA TERESA SOUTHERN RAILROAD, LLC	STS
SARATOGA & NORTH CREEK RAILWAY	SNC
SAVAGE BINGHAM & GARFIELD RAILROAD COMPANY	SBG
SAVANNAH PORT TERMINAL RAILROAD INC	SAPT
SCTRR LLC	SCTR
SEMINOLE GULF RAILWAY L P	SGLR
SEMO PORT RAILROAD INC	SE
SEQUATCHIE VALLEY RAILROAD INC	SQVR
SHAMOKIN VALLEY RAILROAD COMPANY	SVRR
SHAWNEE TERMINAL RAILWAY COMPANY INC	STR
SIERRA RAILROAD COMPANY	SERA
SISSETON MILBANK RAILROAD	SMRR
SMS RAIL LINES OF NEW YORK LLC	SNY
SMS RAIL SERVICE INC	SLRS
SOCIETE DU CHEMIN DE FER DE LA GASPESIE	SFG
SOMERSET RAILROAD CORPORATION	SOM
SOUTH BRANCH VALLEY RAIL ROAD	SBVR
SOUTH CAROLINA CENTRAL RAILROAD CO INC	SCRF
SOUTH CENTRAL FLORIDA EXPRESS INC	SCXF
SOUTH CHICAGO & INDIANA HARBOR RAILWAY COMPANY	SCIH
SOUTH KANSAS & OKLAHOMA RAILROAD INC	SKOL
SOUTH PLAINS LAMESA RAILROAD LTD	SLAL
SOUTH PLAINS SWITCHING LTD CO	SAW

<b>RAILROAD NAME</b>	<b>SCAC</b>
SOUTHERN FREIGHT RAILROAD	SFR
SOUTHERN INDIANA RAILWAY INC	SIND
SOUTHERN MANITOBA RAILWAY INC	SMNR
SOUTHERN RAILROAD COMPANY OF NEW JERSEY	SRNJ
SOUTHERN RAILS COOPERATIVE LIMITED	SORA
SOUTHERN RAILWAY OF BRITISH COLUMBIA LTD	SRY
SOUTHERN RAILWAY OF VANCOUVER ISLAND LIMITED	SVI
SOUTHERN SWITCHING COMPANY	SSC
SOUTHWEST PENNSYLVANIA RAILROAD COMPANY	SWP
SOUTHWESTERN RAILROAD COMPANY INC	SW
SQUAW CREEK SOUTHERN RAILROAD	SCS
ST CROIX VALLEY RAILROAD COMPANY	SCXY
ST LAWRENCE & ATLANTIC RAILROAD (QUEBEC) INC	SLQ
ST LAWRENCE & ATLANTIC RAILROAD CO	SLR
ST MARIES RIVER RAILROAD COMPANY	STMA
ST MARYS RAILWAY WEST LLC	SMW
ST RAIL SYSTEM	ST
STEELTON & HIGHSPIRE RAILROAD COMPANY	SH
STERLING BELT LINE RAILWAY	SBLN
STEWARTSTOWN RAILROAD CO	STRT
STILLWATER CENTRAL RAILROAD COMPANY INC	SLWC
STOCKTON TERMINAL AND EASTERN RAILROAD	STE
STOURBRIDGE RAILROAD COMPANY	SBRR
STRASBURG RAILROAD COMPANY	SRC
SUNFLOUR RAILROAD INC	SNR
SUNSET RAILWAY COMPANY	SUN
SWAN RANCH RAILROAD LLC	SRRR
TACOMA MUNICIPAL BELT LINE RAILWAY	TMBL
TACOMA RAIL MOUNTAIN DIVISION	TRMW
TALLEYRAND TERMINAL RAILROAD COMPANY INC	TTR
TAZEWELL & PEORIA RAILROAD INC	TZPR
TEMPLE & CENTRAL TEXAS RAILWAY, INC.	TC
TENNESSEE SOUTHERN RAILROAD CO INC	TSRR
TENNKEN RAILROAD COMPANY INC	TKEN
TERMINAL FERROVIARIA DEL VALLE DE MEXICO SA DE CV	TFVM
TERMINAL RAILROAD ASSOCIATION OF ST LOUIS	TRRA
TERMINAL RAILWAY ALABAMA STATE DOCKS	TASD
TEXAS & NORTHERN	TN
TEXAS AND OKLAHOMA RAILROAD COMPANY	TXOR
TEXAS CENTRAL BUSINESS LINES CORPORATION	TCB
TEXAS CITY TERMINAL RAILWAY COMPANY	TCT
TEXAS GONZALES & NORTHERN RAILWAY COMPANY	TXGN
TEXAS NORTH WESTERN RAILWAY COMPANY	TXNW

<b>RAILROAD NAME</b>	<b>SCAC</b>
TEXAS NORTHEASTERN DIVISION MID-MICHIGAN RAILROAD INC	TNER
TEXAS PACIFICO TRANSPORTATION LTD	TXPF
TEXAS ROCK CRUSHER RAILWAY COMPANY	TXR
TEXAS SOUTH-EASTERN RAILROAD COMPANY	TSE
TEXAS-NEW MEXICO DIVISION (AUSTIN & NORTHWESTERN RAILROAD COMPANY INC)	TNMR
THERMAL BELT RAILWAY	TBRY
THREE NOTCH RAILWAY LLC	TNHR
THUNDER RAIL LTD	TRR
TIMBERROCK RAILROAD COMPANY INC	TIBR
TOLEDO PEORIA & WESTERN RAILWAY CORPORATION	TPW
TOMAHAWK RAILWAY L P	TR
TONAWANDA ISLAND RAILROAD INC	TIRL
TORCH RIVER RAIL INC.	TRV
TOWANDA AND MONROETON SHIPPERS LIFELINE, INC.	TMSS
TRANSKENTUCKY TRANSPORTATION RAILROAD CO INC	TTIS
TRANSMEX/USA INC	TMUS
TRI-CITY RAILROAD COMPANY	TCRY
TRILLIUM RAILWAY CO LTD	TRRY
TRINIDAD RAILWAY INC	TRIN
TRONA RAILWAY COMPANY	TRC
TUCSON CORNELIA & GILA BEND RAILROAD COMPANY	TCG
TULARE VALLEY RAILROAD COMPANY	TVRR
TULSA-SAPULPA UNION RAILWAY COMPANY L L C	TSU
TURNERS ISLAND LLC	TI
TURTLE CREEK INDUSTRIAL RAILROAD INC	TCKR
TWIN CITIES & WESTERN RAILROAD	TCWR
TYBURN RAILROAD, LLC	TYBR
U.S. RAIL CORPORATION LLC	USRP
U.S. RAIL OF NEW YORK, LLC	USNY
UNION COUNTY INDUSTRIAL RAILROAD COMPANY	UCIR
UNION PACIFIC RAILROAD COMPANY	UP
UNION RAILROAD COMPANY	URR
UPPER MERION AND PLYMOUTH RAILROAD COMPANY	UMP
UTAH CENTRAL RAILWAY COMPANY	UCRY
UTAH RAILWAY COMPANY	UTAH
UTAH SOUTHERN RAILROAD COMPANY LLC	USR
V AND S RAILWAY INC	VSR
V&S RAILWAY INC D/B/A TOWNER RAILWAY	VST
VALDOSTA RAILWAY L P	VR
VANDALIA RAILROAD COMPANY	VRR
VAUGHN RAILROAD COMPANY	VRR
VENTURA COUNTY RAILROAD COMPANY	VCRR

<b>RAILROAD NAME</b>	<b>SCAC</b>
VERMILION VALLEY RAILROAD COMPANY INC	VVRR
VERMONT RAILWAY INC	VTR
VICKSBURG SOUTHERN RAILROAD INC	VSOR
VIRGINIA SOUTHERN RAILROAD DIVISION NORTH CAROLINA & VIRGINIA RAILROAD	VSRR
WABASH CENTRAL RAILROAD CORPORATION	WBCR
WACCAMAW COASTLINE RAILROAD CO INC	WCLR
WALKING HORSE & EASTERN RAILROAD CO INC	WHOE
WALLOWA UNION RAILROAD AUTHORITY	WURR
WARREN & SALINE RIVER RAILROAD COMPANY	WSR
WARREN & TRUMBULL RAILROAD COMPANY, THE	WTRM
WASHINGTON & IDAHO RAILWAY INC	WIR
WASHINGTON COUNTY RAILROAD CORPORATION	WACR
WELLSBORO & CORNING RAILROAD LLC	WCOR
WEST ISLE LINE INC	WFS
WEST MICHIGAN RAILROAD CO	WMI
WEST TENNESSEE RAILROAD CORP	WTNN
WEST TEXAS AND LUBBOCK RAILWAY COMPANY	WTLC
WEST VIRGINIA CENTRAL RAILROAD	WVC
WESTERN KENTUCKY RAILWAY LLC	WKRL
WESTERN NEW YORK & PENNSYLVANIA RAILROAD LLC	WNYP
WESTERN RAIL SWITCHING INC	WRS
WESTERN RAILROAD COMPANY	WRRC
WESTERN TRANSPORTATION CO	WTCO
WHEELING & LAKE ERIE RAILWAY COMPANY	WE
WICHITA TERMINAL ASSOCIATION	WTA
WICHITA TILLMAN & JACKSON RAILWAY COMPANY INC	WTJR
WILLAMETTE & PACIFIC RAILROAD INC	WPRR
WILLAMETTE VALLEY RAILWAY COMPANY INC	WVR
WILMINGTON & WESTERN RAILWAY CORP	WWRC
WILMINGTON TERMINAL RAILROAD INC	WTRY
WINAMAC SOUTHERN RAILWAY COMPANY	WSRY
WINCHESTER AND WESTERN RAILROAD COMPANY	WW
WINDSOR & HANTSPOUR RAILWAY CO	WHRC
WINSTON-SALEM SOUTHBOUND RAILWAY COMPANY (CSX TRANSPORTATION)	WSS
WIREGRASS CENTRAL RAILWAY LLC	WGCR
WISCONSIN & SOUTHERN RAILROAD COMPANY	WSOR
WYE TRANSPORTATION CO	WYEC
YADKIN VALLEY RAILROAD COMPANY	YVRR
YAKIMA VALLEY TRANSPORTATION COMPANY	YVT
YCR CORP	YCR
YELLOWSTONE VALLEY RAILROAD INC	YSVR

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<b>RAILROAD NAME</b>	<b>SCAC</b>
YELM ROY PRAIRIE LINE	YRPL
YORK RAILWAY COMPANY	YRC
YOUNGSTOWN & AUSTINTOWN RAILROAD CO	YARR
YOUNGSTOWN & SOUTHEASTERN RAILROAD COMPANY INC	YSRR
YOUNGSTOWN BELT RAILROAD COMPANY, THE	YB
YREKA WESTERN RAILROAD COMPANY	YW



## Error Messages You May Encounter

<b>NETWORK DATA Messages</b>	<b>SOLUTIONS</b>
Rail network data load failed.	Unable to load network data files. Reinstall PC*MILER Rail.
<b>INSTALLATION Messages</b>	<b>SOLUTIONS</b>
Product installation error. Please reinstall PC*MILER Rail.	The file <b>filermastr1.cfg</b> is not found in Systems directory. Reinstall.
Invalid registration file. Please reinstall PC*MILER Rail.	Invalid registration file. Reinstall.
You must upgrade to a full product before adding new features.	Current product key does not support new features. Upgrade and reinstall PC*MILER Rail.
InstallShield has determined that you are not logged in on a User Account with Administrator privileges. It is strongly recommended that you cancel this install and log in as a User with Administrator Privileges.	This message will be generated if you are running Windows 7. See the note in section 2.5 under Step 1 on how to “Run as administrator”.
<b>LICENSE Messages</b>	<b>SOLUTIONS</b>
You have [X] user licenses. There are already [X] people using the product.	Maximum number of users exceeded. Any additional users will get this message.
This Trial Version of PC*MILER Rail has expired. The program will now exit. Please call an ALK Technologies Sales Executive at 1-800-377-6453 to purchase a full version.	User's product license is expired.
License expired.	License no longer valid. Contact Technical Support
Licensing error detected. Error Code:	Error in licensing file. Reinstall.
Failed to load License DLL.	License DLL is not loaded. Reinstall.
Internal error.	Error in licensing file. Reinstall.
Fatal Error:	Error in licensing file. Reinstall.
<b>ROUTE WINDOW Messages</b>	<b>SOLUTIONS</b>
No valid routes generated.	AutoRouter is unable to find feasible routes between origin and destination with the current settings. Try changing Terminal Switch RR's option to Include in the Options dialog box.
You need to type at least one character of the station name followed by a two-character state	Occurs in two situations: 1) User gives less than 3 alpha characters

abbreviation.	in Station ST field. 2) User gives one character followed by a '*' and no state in Station ST field.
You need to type at least the first three digits of the SPLC code followed by a * to invoke the SPLC spelling helper.	User gives less than 3 digits followed by a '*' in Geocode field to invoke SPLC helper.
Bad SPLC code: xxxxxx	Invalid SPLC code. Use the SPLC helper. See above.
You need to type at least the first three digits of the FSAC code followed by a '*' to invoke the FSAC spelling helper.	User gives less than 3 digits followed by a '*' in Geocode field to invoke FSAC helper.
Bad FSAC code: xxxxxx	Invalid FSAC code. Use the FSAC helper. See above.
You need to type at least the first letter of the R260 code followed by a '*' to invoke the R260 spelling helper.	Occurs in two situations: 1) User gives just one alpha character in Geocode field. 2) User gives just '*' in Geocode field to invoke R260 spelling helper.
Bad R260 code: xxxxxx	Invalid R260 code. Use the R260 helper. See above.
You need to type at least one letter of the 3-3-3 station code followed immediately by an asterisk, and state abbreviation.	Occurs in two situations: 1) User gives less than 3 alpha characters in Geocode field. 2) User gives one character followed by a '*' and no state in Geocode field, to invoke 3-3-3 spelling helper.
Bad 3-3-3 station code:	Invalid 3-3-3 station code. Use the 3-3-3 helper. See above.
Bad state abbreviation: XY	Invalid State. Press <F3> for a list of valid state abbreviations, or see <i>Appendix A</i> or <i>B</i> .
Location/RR not found in Quanta-network.	Report to ALK Technical Support.
Stops are not ready to generate routes.	User gives the origin and hits the 'Run' button. Stops/destination not given.
Via stop is not valid.	User gives invalid/incomplete geocode or station/state in Via field.
Station name not found:	User gives incorrect station but valid state abbreviation, or uses a comma between station name and state abbreviation (comma must be removed). Station name spelling should match Centralized Station Master registered name. Use the spelling helper (enter at least one letter of the station name, followed by an asterisk and the two-letter state abbreviation). You may also contact ALK Technologies to obtain a list of registered names.

State abbreviation not found.	Occurs in three situations: 1) User gives incorrect state abbreviation with correct station name. 2) User gives incorrect station and state names. 3) User gives just the station name without state name. (Note: The last two characters are always recognized as the state abbreviation.)
RR 'X' does not get to this location. (non-AutoRouter only)	Occurs in three situations: 1) User gives invalid RR name with a valid geocode or station/state name. 2) Railroad does not serve that geocode or station/state. 3) Previous stop's RR does not get to the current stop.
Inbound and Outbound Railroads do not junction at this location. (non-AutoRouter only)	The junction interchange is not valid. Use the junction helper to find valid junction locations.
Railroad stations are disconnected. (non-AutoRouter only)	User deleted a necessary junction between two locations. Use junction helper to find a valid junction.
<b>EMAIL Messages</b>	<b>SOLUTIONS</b>
Unable to load MAPI32.DLL, Error!	DLL needed for sending a "Data Correction Email". Contact Technical Support.
Cannot find MAPISendMail, Error!	Program is unable to get the Process Address from DLL to send an email.
Email has not been enabled with your PC*MILER RAIL installation.	Email has not been enabled on the user's PC.
The specified attachment was not found.	<i>(self-explanatory message)</i>
The specified attachment could not be opened.	<i>(self-explanatory message)</i>
The type of a recipient was bad.	<i>(self-explanatory message)</i>
One or more unspecified errors occurred.	<i>(self-explanatory message)</i>
There was insufficient memory to proceed.	<i>(self-explanatory message)</i>
There was no default logon.	<i>(self-explanatory message)</i>
The text in the message is too large.	<i>(self-explanatory message)</i>
There are too many file attachments.	<i>(self-explanatory message)</i>
There are too many recipients.	<i>(self-explanatory message)</i>
A recipient did not appear in the address list.	<i>(self-explanatory message)</i>
The user canceled the process.	<i>(self-explanatory message)</i>

<b>CUSTOM PLACE Messages</b>	<b>SOLUTIONS</b>
There is no data to print.	Custom name list is empty and there are no items to print in the custom name list.
MUST provide custom name and PC*MILER Rail RR, Station State or Geocode.	User has not provided either the custom name, or rail-road or station/state or geocode.
Character '*' is not allowed in custom name.	User searches for the custom name by giving "*". Do not use asterisk.
Insufficient characters given for geocode lookup.	Occurs in two situations: 1) User gives less than 3 characters in Station ST field. 2) User gives one character followed by a '*' and no state in Station ST field, to invoke station/state spelling helper.
Invalid place name (station/state or geocode not found).	User gives invalid place name, station/state or geocode.
Insufficient characters given for geocode lookup (in Geocode)	User gives less than 3 digits followed by a "*" in geocode field to invoke SPLC helper.
Bad location/railroad combination.	This error occurs in two situations: 1) User gives invalid RR name with a valid geocode or station/state name. 2) Railroad does not serve that geocode or station/state.
<b>RUN-TIME Messages</b>	<b>SOLUTIONS</b>
Windows 7, XP, or Server 2008 displays the following message: "To help protect your computer, Windows has closed this program."	Follow these steps: Open the Start Menu → Settings → Control Panel → System and Security → System → Advanced System Settings → Advanced tab → Performance Setting → "Data Execution Prevention" tab → Select "Turn on DEP for essential Windows programs and services only."

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