Instructions to Create Railroad Crossing and Route Hazard Reports in Edulog.NT

There is a BIG difference in this operation performed in Edulog.NT and PTSIII.

The RRCRS reporting does not ask for an input file as it did in PTSIII. It reads only one file named **RRCRS.DAT**.

You must copy your RRCRS.DOT file to RRCRS.DAT when ready to print a report on the DOT hazard crossing node numbers.

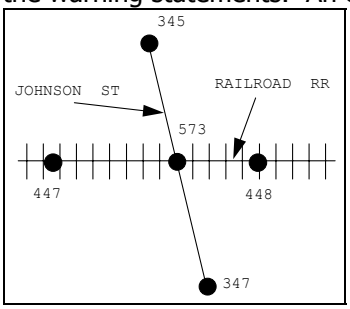
You must copy your RRCRS.HAZ to RRCRS.DAT to print the warning statements in the bus run reports. Detailed instructions are outlined in this document.

Your district may have had four hazard reporting files existing in the PTSIII software:

RRCRS.HAZ	included all hazards
RRCRS.DOT	included ONLY the DOT grade crossing numbers
RRCRS.BRG	included bridge crossings
RRCRS.DAT	included hazard warning statements for run directions

Edulog.NT will only accept the file named **RRCRS.DAT** file as the input and the other files (RRCRS.DOT and RRCRS.HAZ) must be renamed RRCRS.DAT when you are ready to print the different reports. It is suggested that you keep copies of the file(s) in your \STA directory with the correct extensions and use the copy/paste file feature in Explorer to correctly name them RRCRS.DAT as needed. Keeping the file names in this manner will reduce the chance of the file(s) being accidentally copied and renamed to another file name.

You will need to build the files, using the BUILD.TXT text file editor; you must first find the railroad crossing nodes as well as the corresponding node numbers in order to correctly build the file to contain the warning statements. An example is given below:

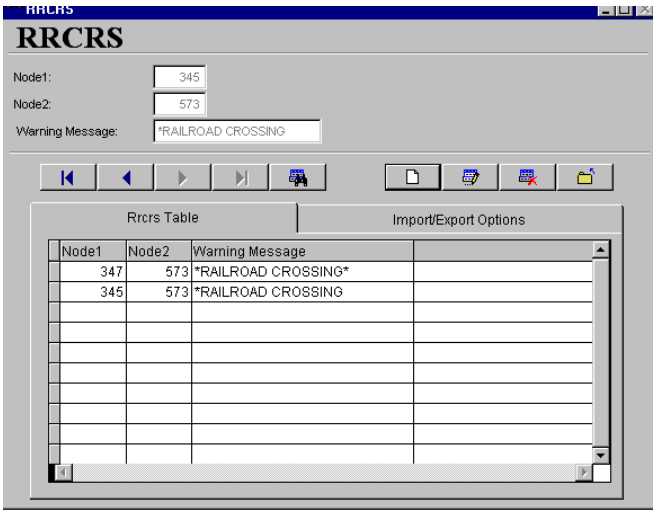


The railroad crosses Johnson St. at node 573. The bus could possibly travel towards node 573 from node 347 and 345. Using Maris, you will want to look at the railroad crossing nodes and identify the connecting nodes at the railroad-crossing node. Once you have the nodes identified, you will need to use the buildtxt feature described on the following page to build the necessary files for reporting the warning statements or DOT hazard node numbers.
NOTE: Problems can exist if stops exist on the segment that has a railroad-crossing node attached, therefore, the segment will need to be split and a new node created.

***** See Appendix A for a sample .HAZ and .DOT file.**

Building the Files

Using the buildtxt file editor, the RRCRS file entries for this crossing should follow the example below:
(Click on ELT\EXE\REPORT\buildtxt.exe) or the Buildtxt icon. Choose the RRCRS tab to begin building the file.

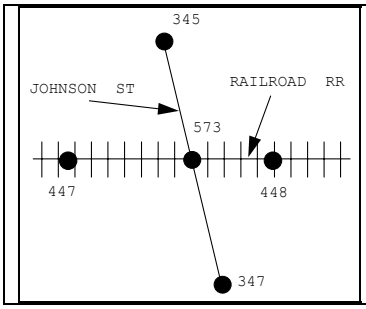


Once the file has been built, using the Export file option tab, export the file to: ELT\SERVER\STA as RRCRS.HAZ - keep in mind the file extensions discussed on the first page of this document. You will need to use Explorer to copy and paste the file as RRCRS.DAT in order for the file to be used for reporting.

A quick tip – to build the DOT hazard node number file, use the same file, but use the DOT hazard node number to replace the warning statement. Export the file to \ELT\SERVER\STA as RRCRS.DOT. Copy and paste this file-using Explorer as RRCRS.DAT as needed if you wish to print the DOT hazard node reports.

Special Reminder: Editing the Geocode

In the event that you have to edit your geocode and add in a new street/sub-division and you split the segment leading up to a RR node, then the existing node pair for that segment will change and the RRCRS.DOT & RRCRS.HAZ file will be incorrect. Using this picture as an example:



If your RRCRS files are created with the node pairs:
345 573
347 573
and you split the top segment for Johnson St. between nodes 345 and 573, then you will have new node pair numbers and your entries will be wrong. You will need to update the RRCRS files and remove node 345 and enter the new node number:
new# 573
346 573

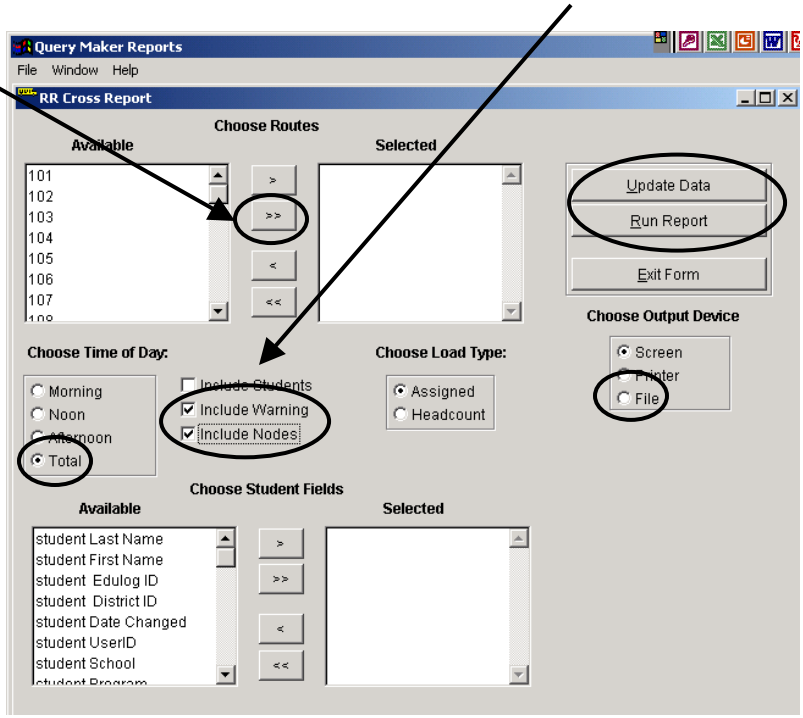
Creating DOT Hazard Node Warning Report

Printing the list of RR crossings for DOT is accomplished through the reporting module. Using Explorer, make a copy of your RRCRS.DOT file. Rename the copy to RRCRS.DAT. Follow the instructions listed on page 2 if you have to build the file.

You will need to generate run directions by ROUTE in Edulog.NT and run DUMPALL.

To print the DOT hazard node warnings, go to the reports module, and click on to RR Crossing tab.

Choose all routes, Time of Day: Total; and check the boxes for Include Warning and Include Nodes.



Choose Output Device as File
Name the file RRDOT.XXX (xxx=your LEA#)
Click the Update Data tab
Click Run Report tab
File will be created and sent to your \ELT\EXE\REPORT\ folder.

Appendix A

RRCRS.HAZ file *(sample)*

```
1043   779    WARNING RRX DWNGRADE
 865   779    WARNING RRX DWNGRADE
1481  3277    WARNING RRX NO X ARMS
1482  3277    WARNING RRX NO X ARMS
 225  3287    WARNING RRX SHORT ST
 236  3287    WARNING RRX SHORT ST
2309  3288    WARNING RRX UPGRADE
 446  3288    WARNING RRX UPGRADE
1749  3300    WARNING RRX BLD CURV
1745  3300    WARNING RRX BLD CURV
1165  3321    WARNING RRX FOUR TRK
1166  3321    WARNING RRX FOUR TRK
 760  3323    WARNING RRX TWO TRK
 795  3323    WARNING RRX TWO TRK
1381  3333    WARNING RRX POOR VIS
1370  3333    WARNING RRX POOR VIS
```

NOTE: If your file does not contain two columns of nodes and then a column of the RR crossing warnings, then your file is not correct and needs to be fixed. Notice that each row contains the railroad crossing node as well as the corresponding node number of that segment. NOTE: there is a 20 character maximum on the warning messages.

```
|===|===|===|===|===|===|===|===|===|===|===|===|===|===|===|===|
```

RRCRS.DOT file *(sample)*

```
1043   779    435373U
 865   779    435373U
1481  3277    465626P
1482  3277    465626P
 225  3287    465609Y
 236  3287    465609Y
2309  3288    465605W
 446  3288    465605W
1749  3300    465580D
1745  3300    465580D
1165  3321    656523E
1166  3321    656523E
 760  3323    630031H
 795  3323    630031H
1381  3333    630406P
1370  3333    630406P
```

NOTE: If your file does not contain two columns of nodes and then the corresponding crossing numbers, then your file is not correct and needs to be fixed. These two columns of node numbers are in the same order as above in the RRCRS.HAZ file. The only difference is that the warning statement gets replaced with the crossing number and any other additional non-railroad hazard warnings for segments. Note: there is a 20-character maximum where the crossing number is entered.