

# TXDOT ESTIMATOR AND CONVERTER INSTRUCTIONS

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## Using Estimator

The Estimator© application is licensed by TxDOT from American Association of State Highway and Transportation Officials (AASHTO) and is part of the AASHTO Trns•Port suite of products. InfoTech Inc., a Florida-based company that developed the original Bid Analysis and Management System (BAMS), contributed to the development of Estimator©. TxDOT maintains a site license that covers use by TxDOT employees. Licensing of this product for non-TxDOT employees is available from Info-Tech Inc. Info-Tech can be contacted at (352) 375-7624.

### OPEN ESTIMATOR

Click Start/Programs/Estimator/Estimator

### LOGIN

**Userid:** Admin

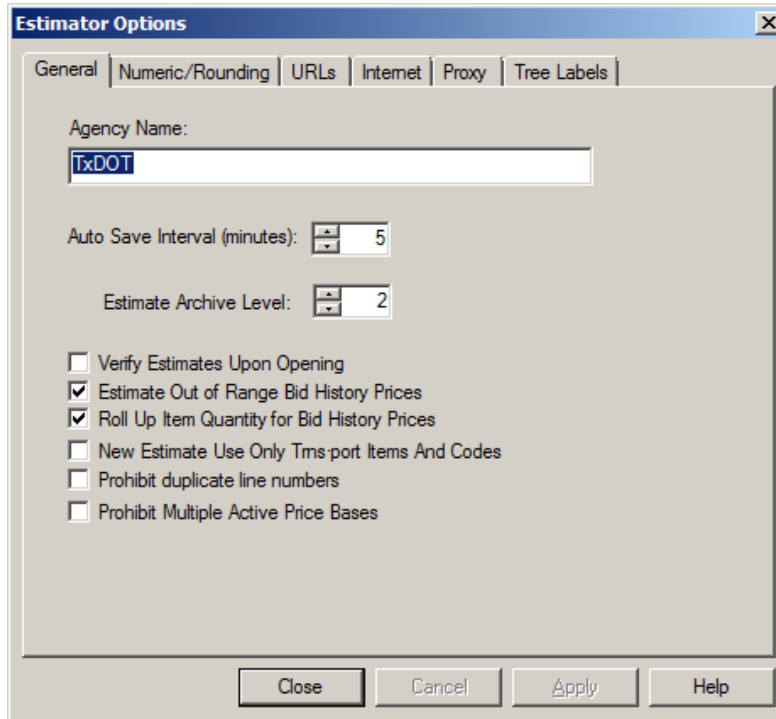
**Password:** password

*(Note: case sensitive)*

### SETTING PREFERENCES

Click Tools/Global Options

General Tab:



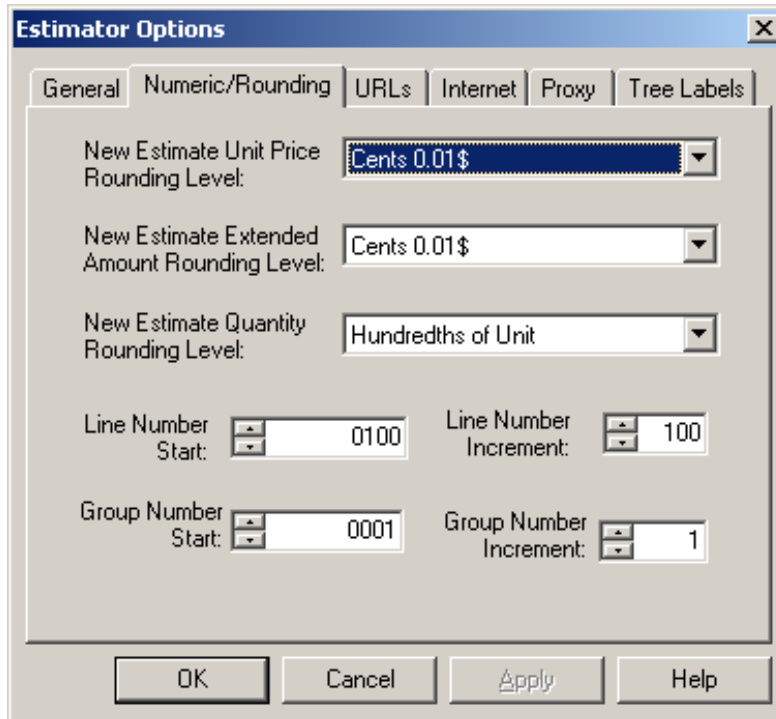
The screenshot shows the 'Estimator Options' dialog box with the 'General' tab selected. The 'Agency Name' field contains 'TxDOT'. The 'Auto Save Interval (minutes)' is set to 5, and the 'Estimate Archive Level' is set to 2. There are six checkboxes: 'Verify Estimates Upon Opening' (unchecked), 'Estimate Out of Range Bid History Prices' (checked), 'Roll Up Item Quantity for Bid History Prices' (checked), 'New Estimate Use Only Transport Items And Codes' (unchecked), 'Prohibit duplicate line numbers' (unchecked), and 'Prohibit Multiple Active Price Bases' (unchecked). Buttons for 'Close', 'Cancel', 'Apply', and 'Help' are at the bottom.

Set Agency Name – TxDOT

Set Auto Save/Archive levels

Check both Estimate out of range and Roll up item quantities

Numeric/Rounding Tab:

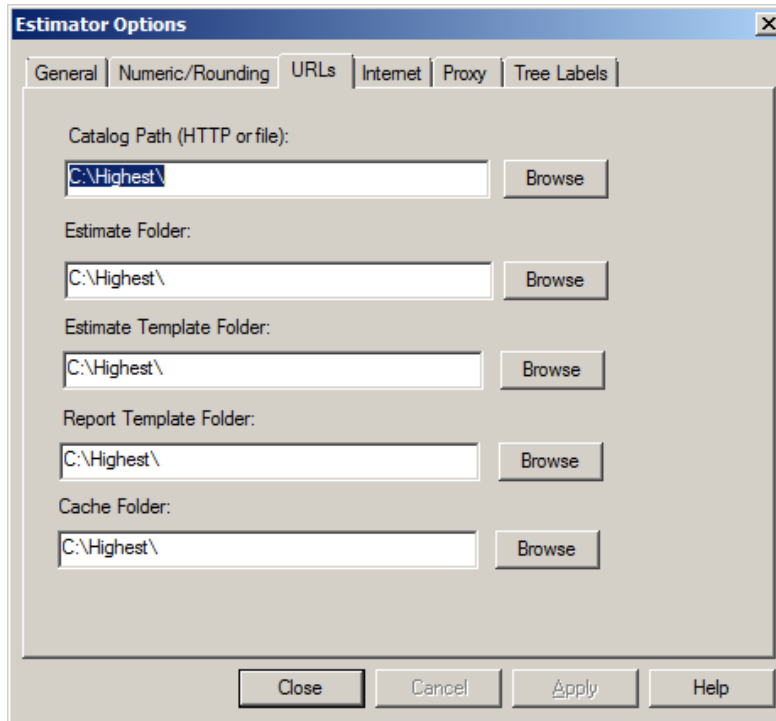


The screenshot shows the 'Estimator Options' dialog box with the 'Numeric/Rounding' tab selected. The 'New Estimate Unit Price Rounding Level' is set to 'Cents 0.01\$'. The 'New Estimate Extended Amount Rounding Level' is set to 'Cents 0.01\$'. The 'New Estimate Quantity Rounding Level' is set to 'Hundredths of Unit'. The 'Line Number Start' is 0100 and the 'Line Number Increment' is 100. The 'Group Number Start' is 0001 and the 'Group Number Increment' is 1. Buttons for 'OK', 'Cancel', 'Apply', and 'Help' are at the bottom.

Set Rounding levels

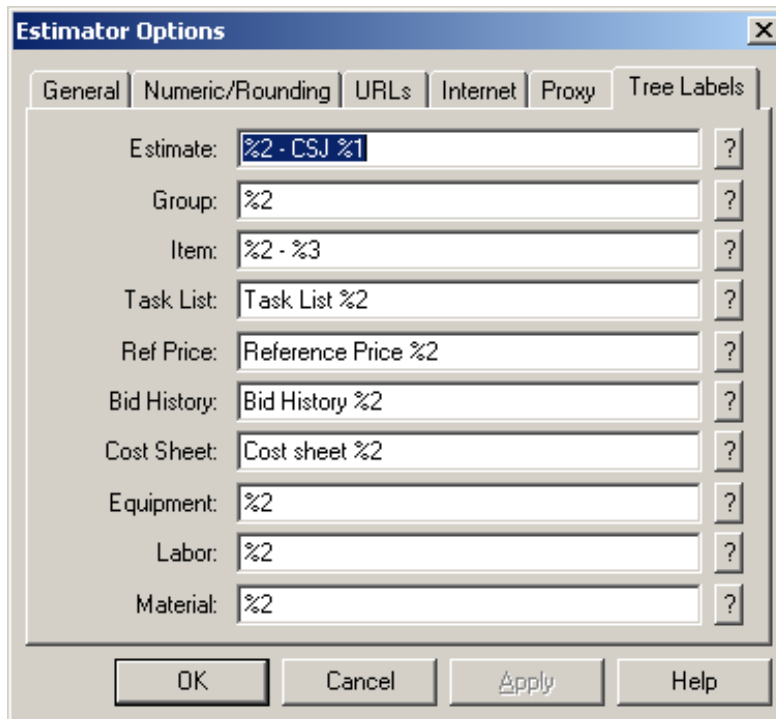
Set Line numbering and increments

URLs Tab:



Set all to C: \Highest\

Tree Labels Tab:



Change the top three lines from the default to what is shown above.  
Click OK

## CREATE CATALOG (USING ONE OF TWO METHODS)

Beginning in January 2010, catalog files are provided for both the 12-month moving averages and 3-month averages.

Use of the 3-month moving average catalog files may not contain all the bid items needed to complete your estimate since this data is only based on the three most recent months of letting.

12-month moving average – cesitem.csv, ibidhist.csv, codetbls.txt

3-month moving average – cesitem\_3mo.csv, ibidhist\_3mo.csv, codetbls.txt

These catalogs files are used by the Estimator software to provide a lookup list of bid items and unit prices. The catalog files are updated monthly to provide current information.

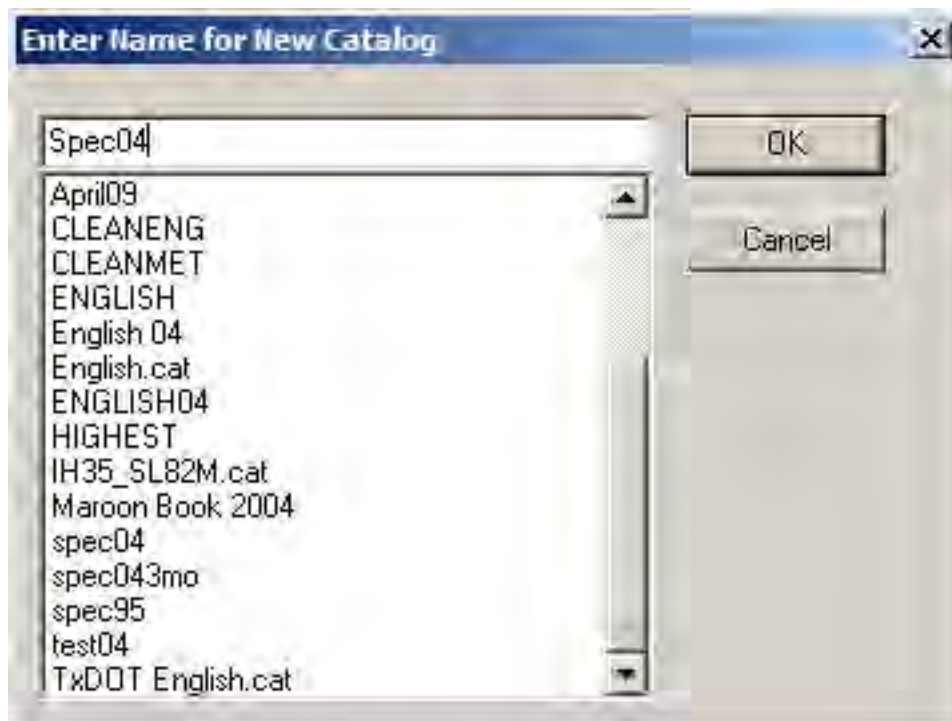
Catalog Files can be found on TxDOT's website at the following link:

<http://www.dot.state.tx.us/business/projects/estimator.htm>

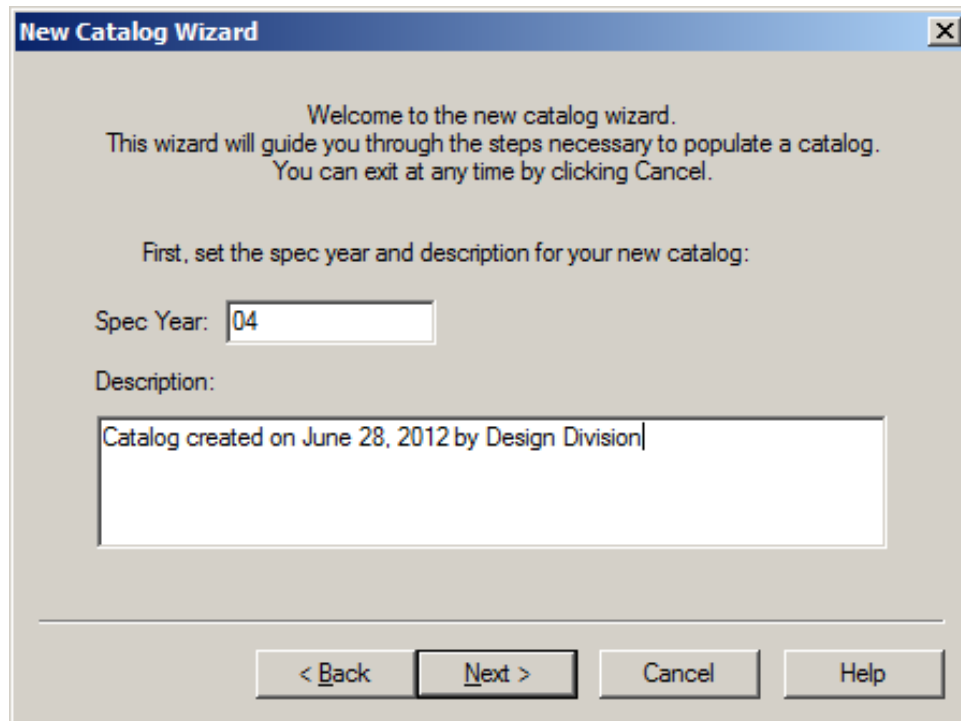
### Method 1

Click Tools/New Catalog Wizard

Assign a name for the new catalog (there is no problem in assigning same name as long as catalogs are updated with each new estimate)



Click OK



**New Catalog Wizard**

Welcome to the new catalog wizard.  
This wizard will guide you through the steps necessary to populate a catalog.  
You can exit at any time by clicking Cancel.

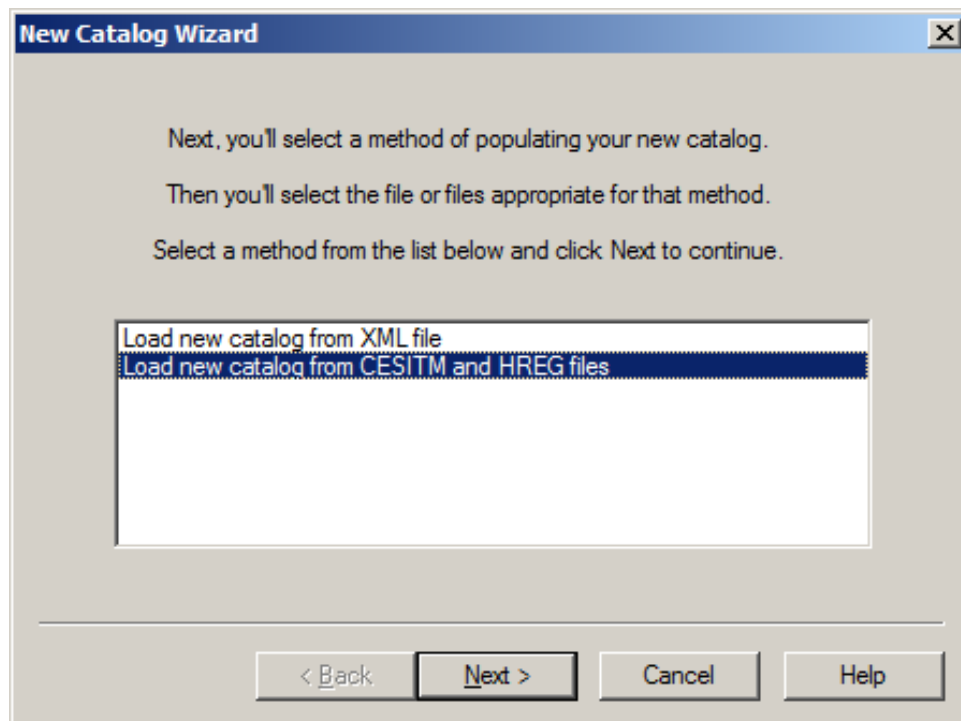
First, set the spec year and description for your new catalog:

Spec Year:

Description:

< Back   Next >   Cancel   Help

Enter the two digit spec year (04 for English or 95 for Metric)  
Enter a short description – when you created/update the catalog  
Click Next



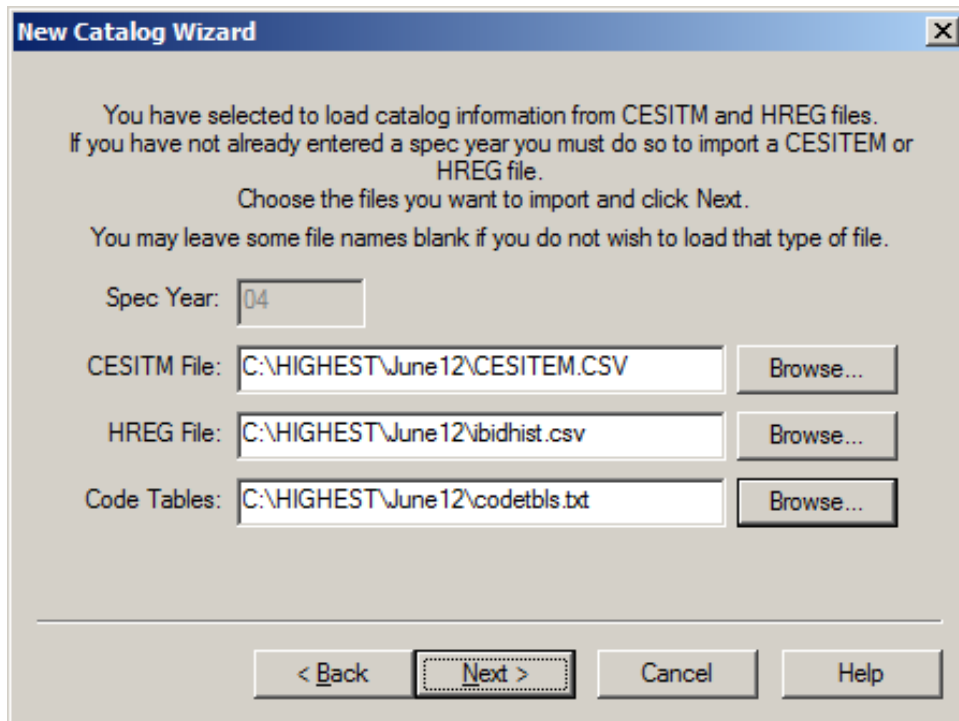
**New Catalog Wizard**

Next, you'll select a method of populating your new catalog.  
Then you'll select the file or files appropriate for that method.  
Select a method from the list below and click Next to continue.

Load new catalog from XML file  
Load new catalog from CESITM and HREG files

< Back   Next >   Cancel   Help

Select the “Load new catalog from CESITM and HREG files”  
Click Next

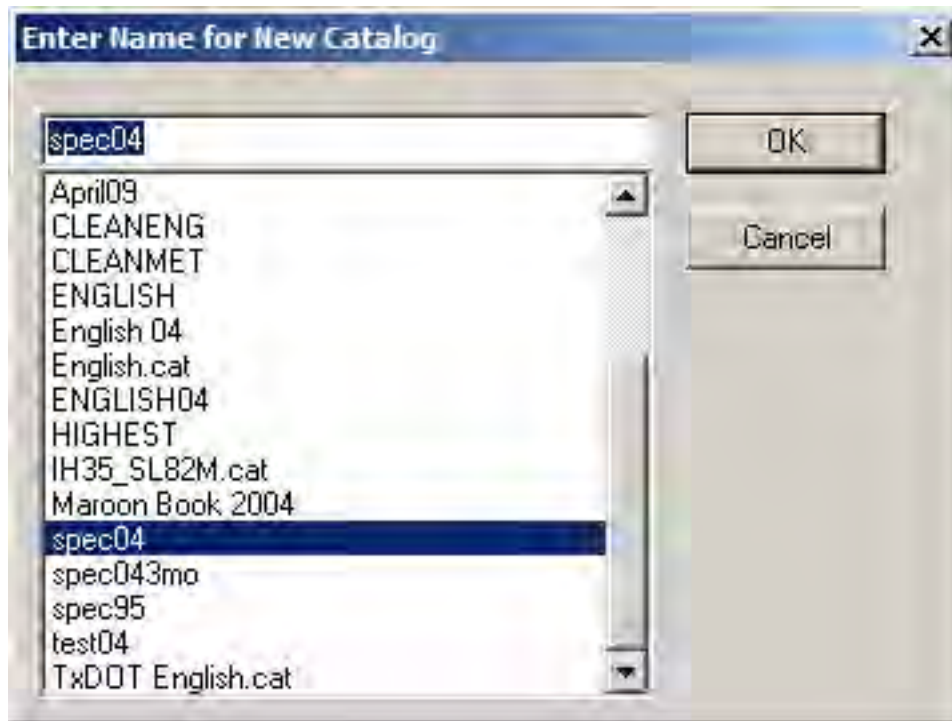
A screenshot of a Windows dialog box titled "New Catalog Wizard". The dialog box has a blue title bar with a close button (X) in the top right corner. The main area is light gray and contains the following text: "You have selected to load catalog information from CESITM and HREG files. If you have not already entered a spec year you must do so to import a CESITEM or HREG file. Choose the files you want to import and click Next. You may leave some file names blank if you do not wish to load that type of file." Below the text are three input fields, each with a "Browse..." button to its right. The first field is "Spec Year:" with the value "04". The second field is "CESITM File:" with the value "C:\HIGHEST\June12\CESITEM.CSV". The third field is "HREG File:" with the value "C:\HIGHEST\June12\ibidhist.csv". The fourth field is "Code Tables:" with the value "C:\HIGHEST\June12\codetbls.txt". At the bottom of the dialog box are four buttons: "< Back", "Next >" (which is highlighted with a dashed border), "Cancel", and "Help".

For CESITM File - Browse to C: Highest (or your chosen path) and Select CESITEM.csv  
For HREG File – Browse to C: Highest (or your chosen path) and Select ibidhist.csv  
For Code Tables – Browse to C: Highest (or your chosen path) and Select codetbls.txt

Click Next  
Click OK  
Click NO  
Click OK  
Click Done  
Click File/Save to save the catalog.

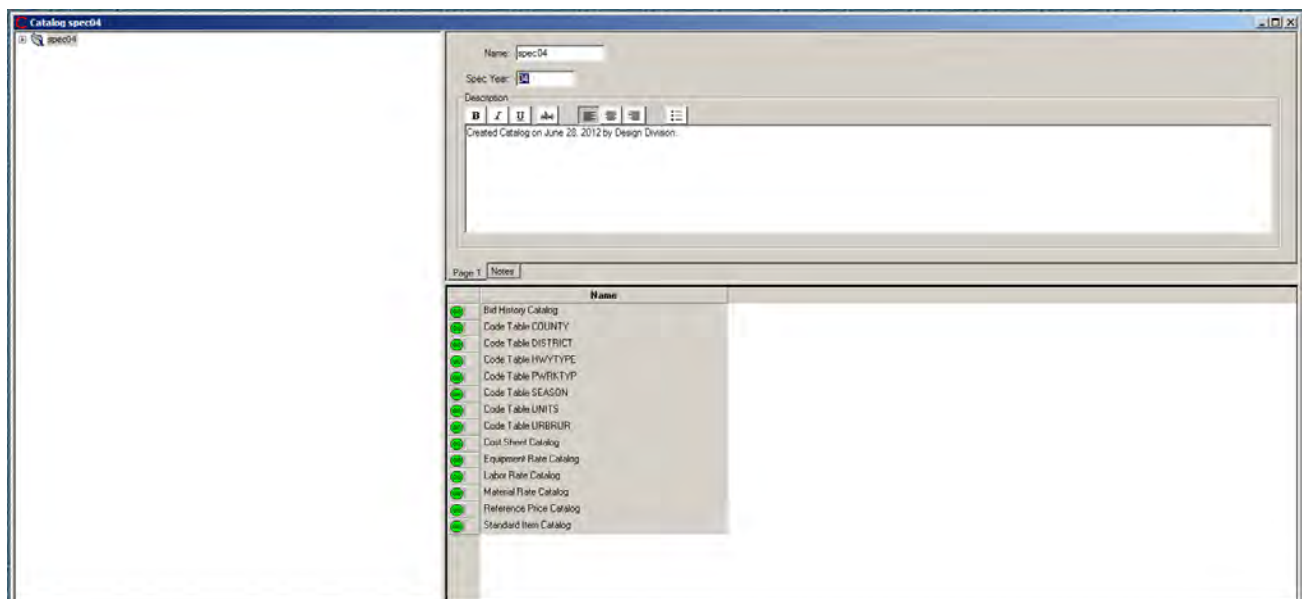
## Method 2

Click Tools/New Catalog



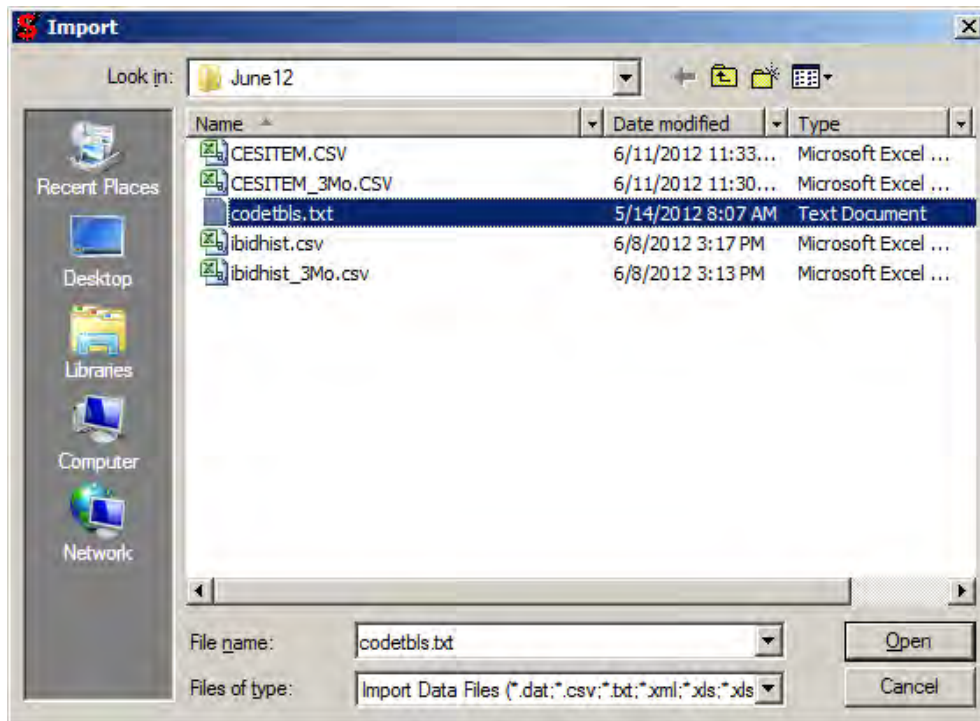
Assign a name for the new catalog

Click OK



Enter the two digit spec year (04 for English or 95 for Metric)

Enter a short description – when you created/updated the catalog



For CESITM File - Browse to C: Highest (or your chosen path) and Select CESITEM.csv

For HREG File – Browse to C: Highest (or your chosen path) and Select ibidhist.csv

For Code Tables – Browse to C: Highest (or your chosen path) and Select codetbls.txt

Click OK

Click File/Save (to save the catalog)

## CHANGE TO CATALOG

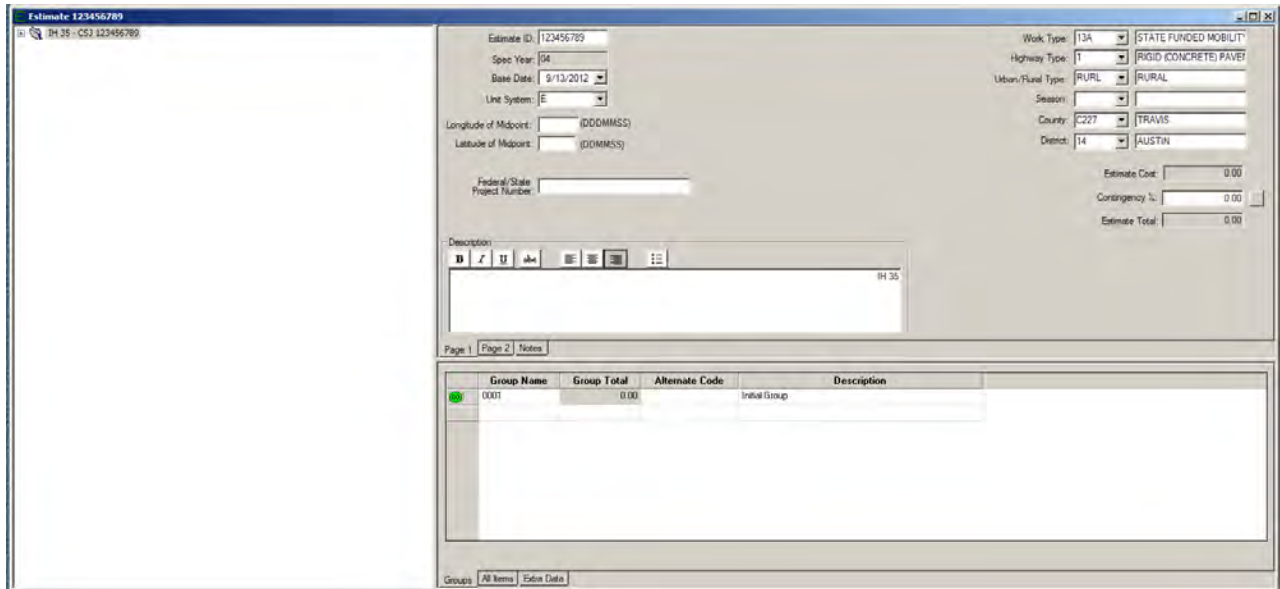
Click Tools/Switch Catalog (If a message asks to save catalog, Click Yes)

Select the New Catalog

## NEW PROJECT

Click File/New





Estimate ID: 123456789  
 Spec Year: 04  
 Base Date: 9/13/2012  
 Line System: E  
 Longitude of Midpoint: (DDMMSS)  
 Latitude of Midpoint: (DDMMSS)  
 Federal/State Project Number: \_\_\_\_\_

Work Type: 13A STATE FUNDED MOBILITY  
 Highway Type: 1 RIGID (CONCRETE) PAVEM  
 Urban/Rural Type: RURL RURAL  
 Season: \_\_\_\_\_  
 County: C227 TRAVIS  
 District: T4 AUSTIN

Estimate Cost: 0.00  
 Contingency %: 0.00  
 Estimate Total: 0.00

Description: \_\_\_\_\_

Page 1 Page 2 Notes

Group Name	Group Total	Alternate Code	Description
0001	0.00		Initial Group

Groups All Items Extra Data

Fill in the following:

**Estimate ID:** 123456789 (CSJ with no dashes, no spaces)

**Estimated By:** Your name on Page 2 Tab

**Letting Date:** 2/10/2014

**Work Type:** Select type from pull down – ex. 13A, State Funded Mobility

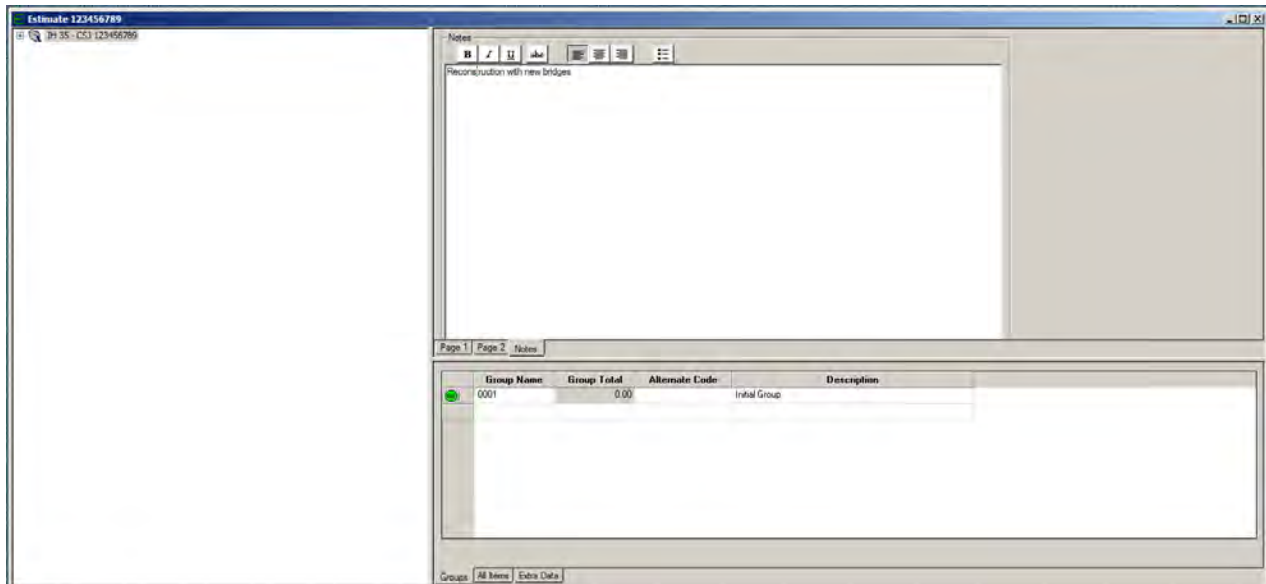
**Highway Type:**

- 0 – Not Assigned
- 1 – Rigid (Concrete) Pavement
- 2 – Flexible (Base and ACP) Pavement
- 3 - Composite

**Urban/Rural:** Select type from pull down – ex. Rural

**County:** Select type from pull down – ex. C227, Travis

**Description:** US 90 (Do not enter anything more than the highway here because the program will jam when converting. Enter this information on the Notes Tab)



Notes

Recons/ruotion with new bridges

Page 1 Page 2 Notes

Group Name	Group Total	Alternate Code	Description
0001	0.00		Initial Group

Groups All Items Extra Data

SAVE AND CLOSE PROJECT



Click File/Save As...

Make sure that the file is saved under C:\Highest folder (or your chosen path)  
 Change the name from the CSJ to the Highway number – US90.est  
 Click Save

**CLOSE ESTIMATOR**

Click File/Exit

**OPEN ESTIMATOR**

Click Start/Programs/Estimator

**OPEN PROJECT**

Click File/C:\Highest\US 90.est

**ADD PROJECT ITEMS AND GROUPS**

Expand the US 90 – CSJ 002805047 to show the initial group  
 Change the Group description to Roadway

**Add Items**

1000 ROADWAY			
1320 0132 2003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	CY	152.000
1640 0164	BROADCAST SEED (TEMP) (WARM)		
1641 0164 2012	BROADCAST SEED (TEMP) (COOL)	AC	0.250
1660 0166 2001	FERTILIZER	AC	0.250
1680 0168 2001	VEGETATIVE WATERING	MG	1.450
4320 0432 2002	RIPRAP (CONC)(5 IN)	CY	136.000
5420 0542 2001	REMOVING METAL BEAM GUARD FENCE	LF	1,775.000
5421 0542 2002	REMOVING TERMINAL ANCHOR SECTION	EA	12.000
5440 0544 2001	GUARDRAIL END TREATMENT (INSTALL)	EA	12.000
5441 0544 2002	GUARDRAIL END TREATMENT (MOVE & RESET)	EA	4.000
5500 0545	CRASH CUSH ATTEN (INSTL)(WORK ZONE)	EA	2.000

Create a new group – Right Click on US 90 and select Add Group

2000 BRIDGE GROUP 01			
2120 0450 2022	RAIL (TY T1-101R)	LF	299.970
2230 0450 2049	RAIL (TY T502R)	LF	516.000
2362 0452 2002	REMOV RAIL (METAL ELEMENTS)	LF	299.970
2442 0452 2003	REMOV RAIL (CONC POST & MTL ELEMENTS)	LF	743.010
2500 BRIDGE GROUP 02			
2520 0450 2022	RAIL (TY T1-101R)	LF	299.970
2551 0450 2049	RAIL (TY T502R)	LF	516.000
2552 0452 2002	REMOV RAIL (METAL ELEMENTS)	LF	299.970
2554 0452 2003	REMOV RAIL (CONC POST & MTL ELEMENTS)	LF	743.010
2600 BRIDGE GROUP 03			
2620 0450 2022	RAIL (TY T1-101R)	LF	299.970
2650 0450 2049	RAIL (TY T502R)	LF	516.000
2652 0452 2002	REMOV RAIL (METAL ELEMENTS)	LF	299.970
2662 0452 2003	REMOV RAIL (CONC POST & MTL ELEMENTS)	LF	743.010
3000 LANDSCAPE UNDERPASSES			
3100 0427 2003	OPAQUE SEALER FINISH	SF	179,470.000
3200 0500 2001	MOBILIZATION	LS	1.000
3300 0502 2001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	3.000
3400 0506 2022	EARTHWORK (ERSN & SEDM CONT, IN VEH)	CY	2.000
3500 0506 XXXX	TEMPORARY SEDIMENT CONTROL FENCE	LF	20.000

Select Edit/Verify Estimate

## **SORT ITEMS**

Click on the column headings to sort.

## **PRICES**

Click on US 90  
Select Edit/Update Price Information – Select Restart

## **SAVE PROJECT**

Click File/Save

## **VIEW PROJECT ARCHIVES**

Click File/Open  
Change file type to all  
Select US90.est1

## **CLOSE ESTIMATOR**

Click File/Exit

## Using Converter (TxDOT use only)

The CONVERTER program is a utility program written by TxDOT to allow Estimator files to be converted into a format suitable for uploading to the Design and Construction Information System (DCIS). The program will be updated as need arises.

### Versions

32-bit version for computers running Windows 95, Windows 98, or Windows NT

### Requirements

Operating System – Windows95, Windows 98 or Windows NTT

Memory – 3 Megabytes or more

Hard Disk – 3 Megabytes of space

### OPEN ESTIMATOR

Click Start/Programs/Estimator

### OPEN PROJECT

Click File/C:\Highest\US90.est

### SAVE PROJECT

Click File/Save

### EXPORT FILE

Click File/Export

Put the file in C:\Highest

Name it US90 (Use your applicable project, highway name)

Change the extension to .csv

Save

### OPEN CONVERTER

C:\Highest\Converter

### SELECT FILE FOR CONVERSION

Select File for Conversion

Open C:\Highest folder

Select US90.csv

Open

File name: US90.txt

Open

Click OK

Click OK

### CONTINUE

2000 BRIDGE GROUP 01

NBI = 201460002805031 BRIDGE WORK: MAINT AND REPAIR ON-SYSTEM BRIDGE TYPE: CONCRETE SLAB  
DECK AREA SQ.FT. = 4066.400 COST PERCENT = 27.00 BRIDGE LENGTH = 92.000

NBI = 201460002805031 BRIDGE WORK: MAINT AND REPAIR ON-SYSTEM BRIDGE TYPE: CONCRETE SLAB



DECK AREA SQ.FT. = 4259.600 COST PERCENT = 27.00 BRIDGE LENGTH = 92.000  
NBI = 201460002805033 BRIDGE WORK: MAINT AND REPAIR ON-SYSTEM BRIDGE TYPE: CONCRETE SLAB  
DECK AREA SQ.FT. = 3404.000 COST PERCENT = 55.00 BRIDGE LENGTH = 74.000

CONTINUE

2500 BRIDGE GROUP 02

NBI = 201460002805034 BRIDGE WORK: MAINT AND REPAIR ON-SYSTEM BRIDGE TYPE: CONCRETE SLAB  
DECK AREA SQ.FT. = 2587.200 COST PERCENT = 100.00 BRIDGE LENGTH = 56.000

CONTINUE

2600 BRIDGE GROUP 03

NBI = 2014600028AA035 BRIDGE WORK: MAINT AND REPAIR OFF-SYSTEM BRIDGE TYPE: CONCRETE SLAB  
DECK AREA SQ.FT. = 905.400 COST PERCENT = 100.00 BRIDGE LENGTH = 18.000

CONTINUE

Click OK

Click Exit

Click Start/Programs/Accessories/NotePad

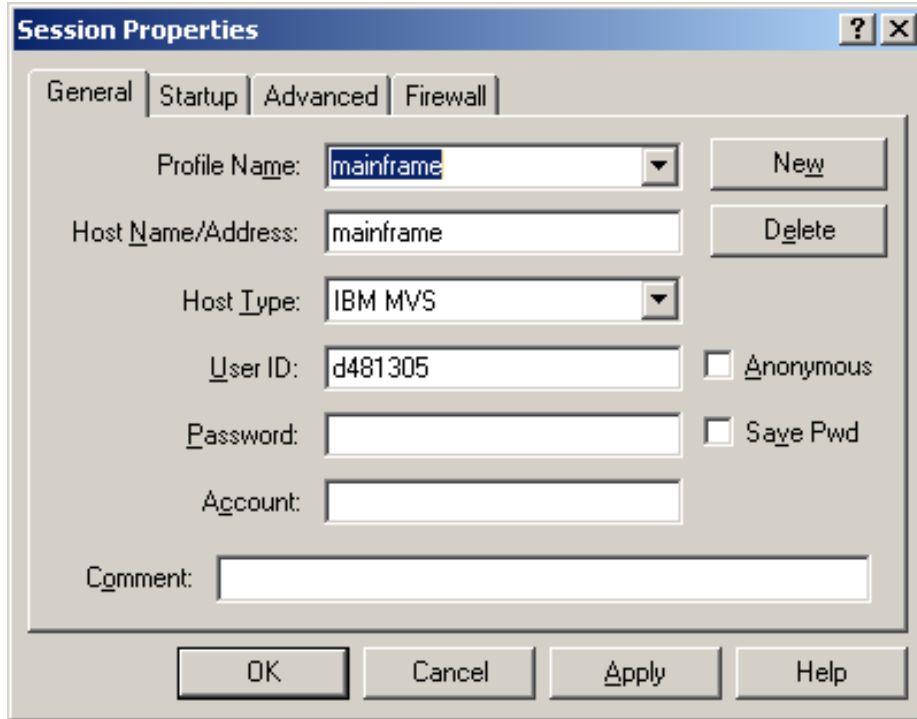
Click File/Open

Select C:\Highest\US90.txt

Verify that the information that you converted is there.

## Transferring Converted File to ROSCOE - Using WS\_FTP or FileZilla (TxDOT use only)

### WS\_FTP INSTRUCTIONS

A screenshot of the "Session Properties" dialog box in WS\_FTP. The dialog has a title bar with a question mark and a close button. It contains four tabs: "General", "Startup", "Advanced", and "Firewall". The "General" tab is selected. The fields are: "Profile Name" (dropdown menu with "mainframe" selected), "Host Name/Address" (text box with "mainframe"), "Host Type" (dropdown menu with "IBM MVS" selected), "User ID" (text box with "d481305"), "Password" (text box), "Account" (text box), and "Comment" (text box). There are checkboxes for "Anonymous" and "Save Pwd", both of which are unchecked. There are buttons for "New", "Delete", "OK", "Cancel", "Apply", and "Help".

Session Properties

General Startup Advanced Firewall

Profile Name: mainframe New

Host Name/Address: mainframe Delete

Host Type: IBM MVS

User ID: d481305  Anonymous

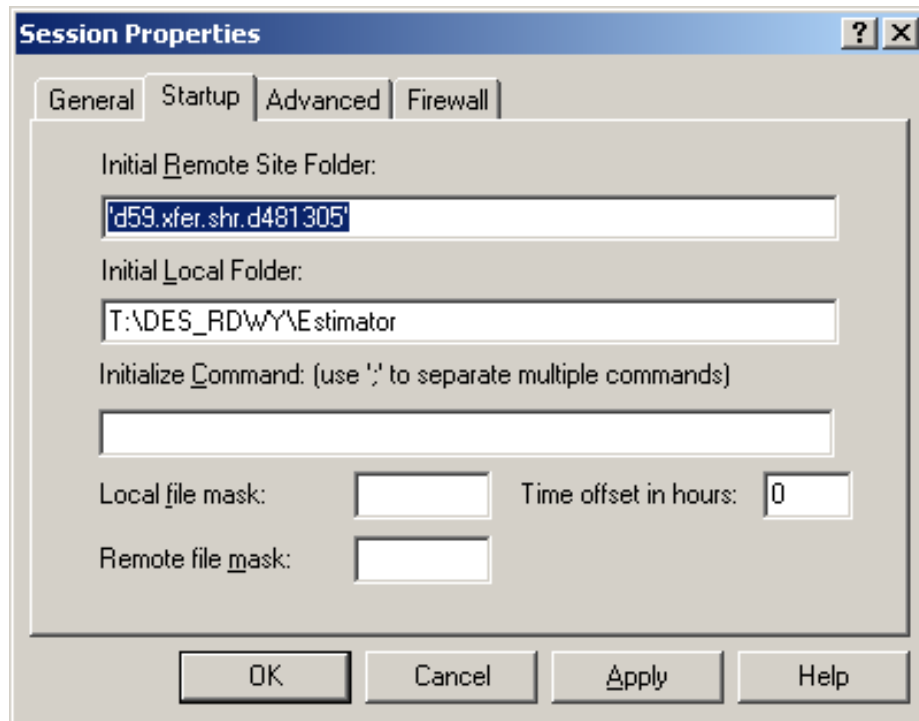
Password:   Save Pwd

Account:

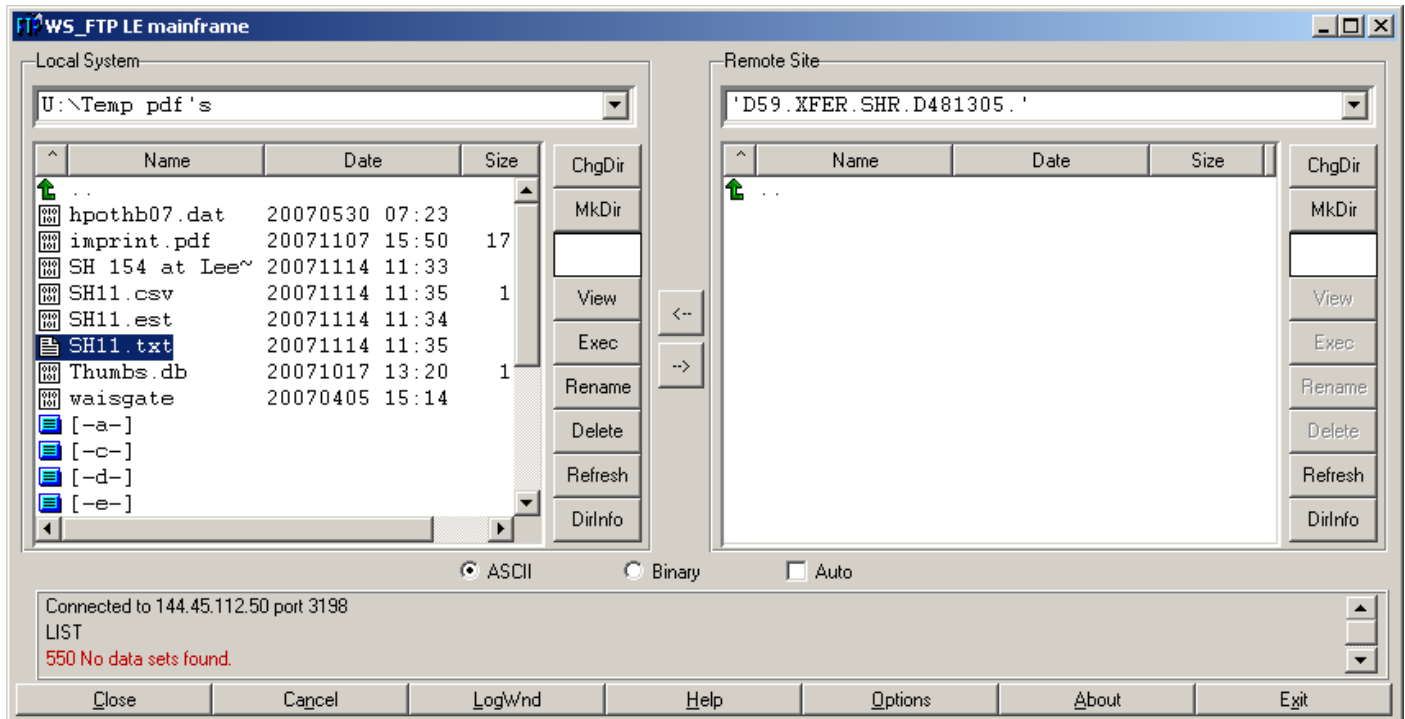
Comment:

OK Cancel Apply Help

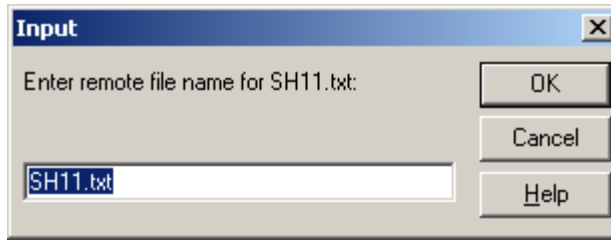
d481305 (is used throughout as my roscoe key, use your own key and password here)



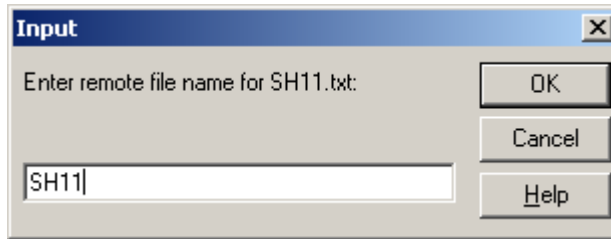
This is the target path. D59 should stay the same. Initial Local Folder is where you saved your file.



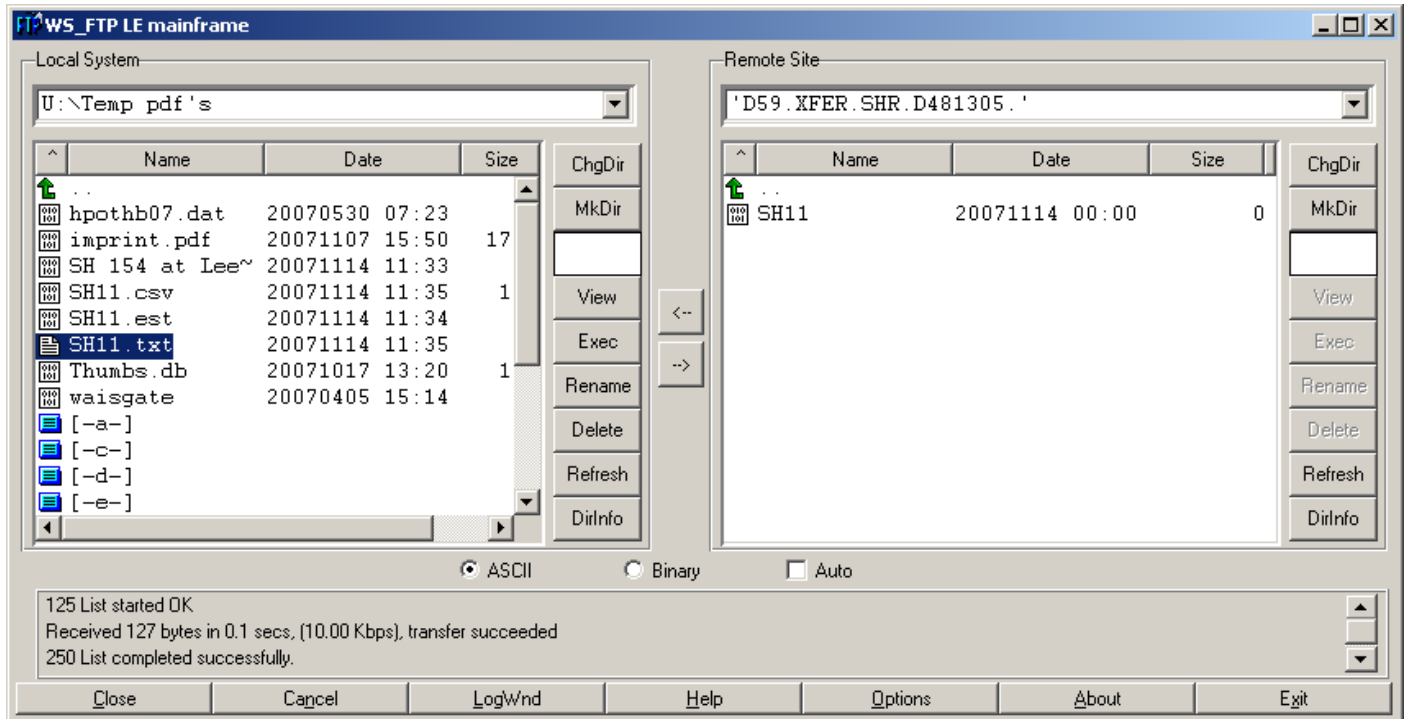
Click bottom arrow in middle of screen.



Remove the .txt part.



Click OK.



Notice at the bottom of screen text reads, 250 List completed successfully. That's what you want.

Close. You have now transferred it to your Roscoe Account.

**Go to XO.XFER INSTRUCTIONS**

### FileZilla INSTRUCTIONS (For those who no longer have WS\_FTP)

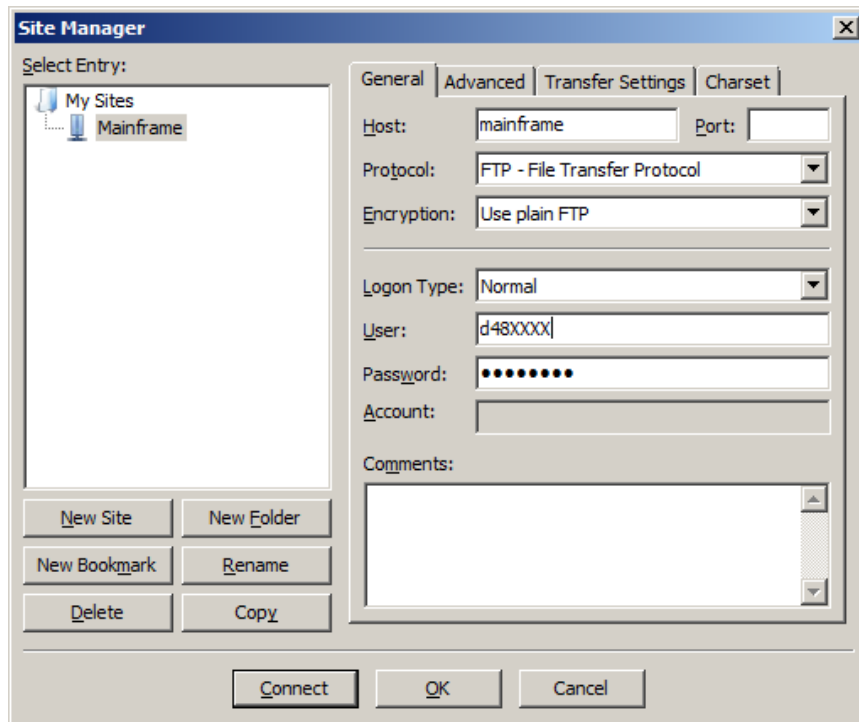
- Open FileZilla
- Click on First Button on left (Open Site Manager)





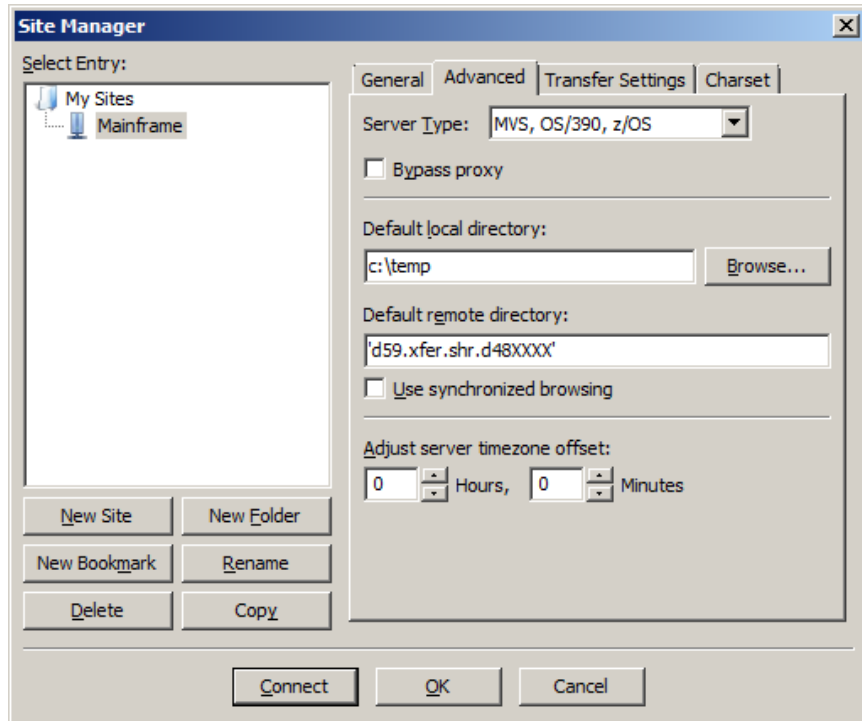
Site Manager Box will open  
Under each tab add the following information

General Tab:

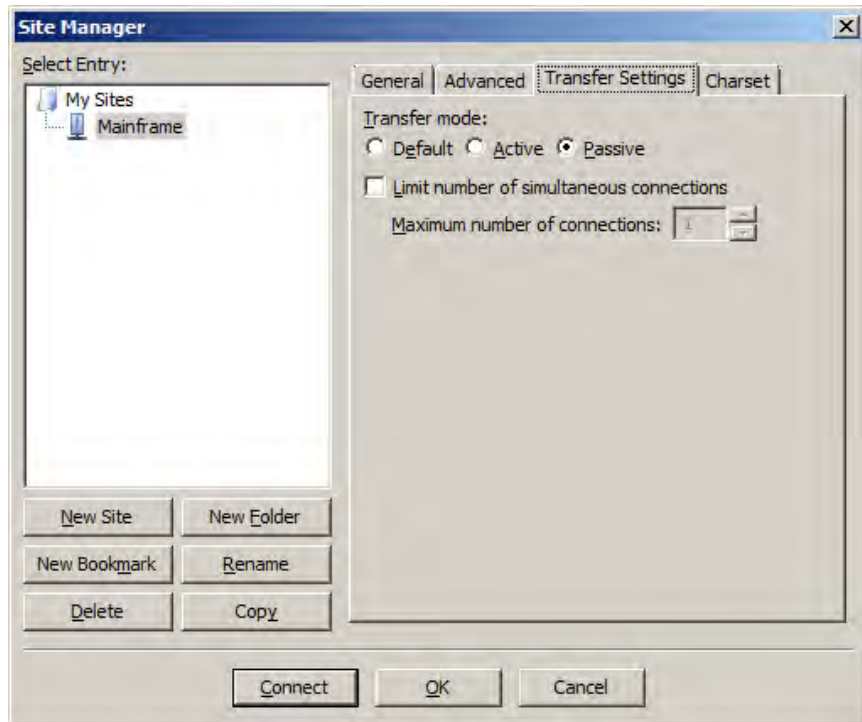


d48XXXX (is used throughout as my roscoe key, use your own key and password here)

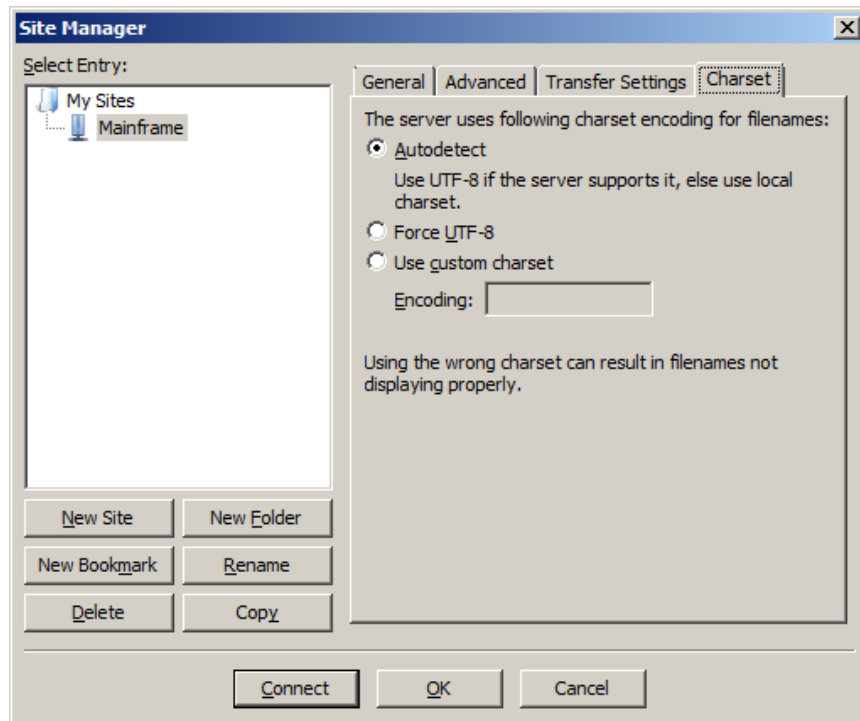
Advanced Tab:



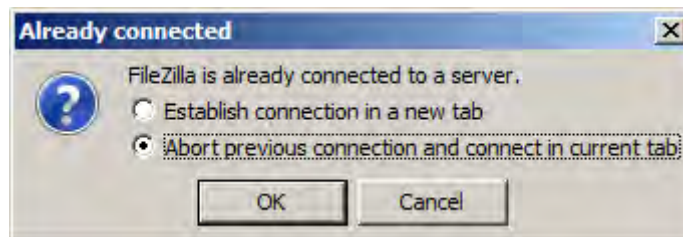
Transfer Settings Tab:



Charset Tab:



Click Connect



Rename filename by taking off the extension (no .csv or .txt etc.)

Double Click your file, it should transfer

If tab on the Successful Transfers (#)

Close. You have now transferred it to your Roscoe Account.

Go to **XO.XFER INSTRUCTIONS**

### **XO.XFER INSTRUCTIONS**

Now you can go to ROSCP or ROSCOE (whichever is applicable to your district) and login

Type xo.xfer

```
(A) TN3270 (TMSERVER) [THD01303] - PowerTerm InterConnect
File Edit Terminal Communication Sessions Options Script Help
xo.fer

> APPLID(ROSCP)      USER(VL3,D481305)
>
> .....+.....1.....+.....2.....+.....3.....+.....4.....+.....5.....+.....6.....+.....7.....+.....

ME 01/008
3270 Display 17.6 Capsl Wraol Hold On Line
```

```
(A) TN3270 (TMSERVER) [THD00461] - PowerTerm InterConnect
File Edit Terminal Communication Sessions Options Script Help
XFERMEMU

! This program will enable you to either move a ROSCOE member to a data set
  which can then be downloaded to a PC or retrieve data from a data set
  which has been uploaded from a PC and save it in your ROSCOE library.
  The data being moved can be for your own personal use (Restricted) or
  can be shared statewide (Global). This data will be available for two
  working days and will then be deleted from the data set.

Select the appropriate data move with an 'X'.

-  Retrieves data that has been uploaded (Restricted)
x  Retrieves data that has been uploaded (Global)
  Prepares data to be downloaded (Restricted)
-  Prepares data to be downloaded (Global)

Hit PF3 to Exit this program

ME 17/006
3270 Display 17.6 Capsl Wraol Hold On Line
```

```
(A) TXD270 (INSERVER) [THD01901] - PowerTerm InterConnect
File Edit Terminal Communication Sessions Options Script Help
XFER2
This program retrieves data that has been uploaded from your PC. It will
save it in your ROSCOE library using the name entered. Any data currently
saved under that name will be overlayed. Enter the owner (originator) and
the name of the member(s) to be saved and then press 'ENTER'.

Owner = d481305 Retrieve Member = us90est_
Owner = ----- Retrieve Member = -----
Owner = ----- Retrieve Member = -----
Owner = ----- Retrieve Member = -----
Owner = ----- Retrieve Member = -----
Owner = ----- Retrieve Member = -----
Owner = ----- Retrieve Member = -----
Owner = ----- Retrieve Member = -----
Owner = ----- Retrieve Member = -----
Owner = ----- Retrieve Member = -----

Press 'PF1' to attach a list of members available for uploading.

Press 'PF3' to exit this program.
Press 'PF2' to return to the original XFER menu.

MB 10/052
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12
3270 Display 1052 Cap View Help OnLine
```

File should be called US90est (using your project, highway information)  
Click Enter  
Check your library; your file should be there.

## Transferring from ROSCOE to DCIS (TxDOT use only)

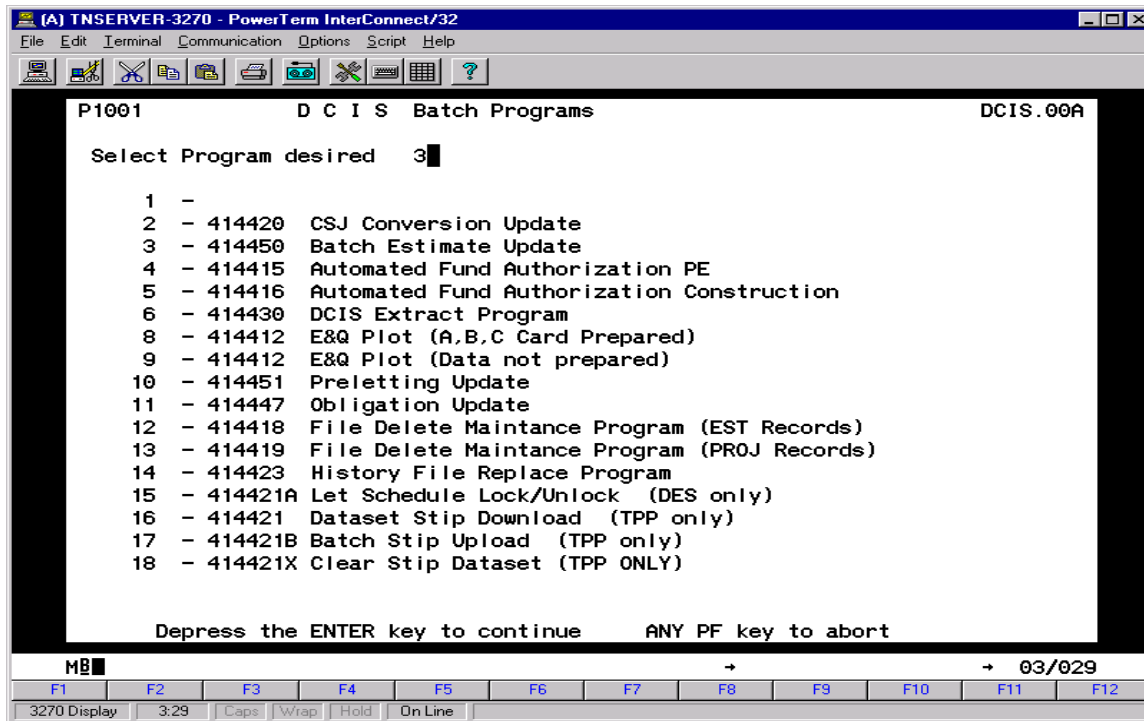
Before batch uploading into DCIS the following needs to be verified.

- ◆ Is there a Contract-CSJ on the P1 Screen in DCIS?
  - The batch job will not upload an estimate into DCIS for a CSJ that does not have a Contract-CSJ.
- ◆ Is the Contract-CSJ the same as the CSJ?
  - If the Contract-CSJ is the same as the CSJ then a single batch job will work.
  - If the Contract-CSJ is different then there are two options:
    1. Have the CSJs disconnected and let them be their own Contract-CSJ
    2. When all of the estimate files are in ROSCOE
      - a) Find the Contract-CSJ CSJ member
      - b) As the CSJs are listed on the C1 screen, append the ROSCOE members to the bottom of the Contract-CSJ member
  - Save this member with a new name.

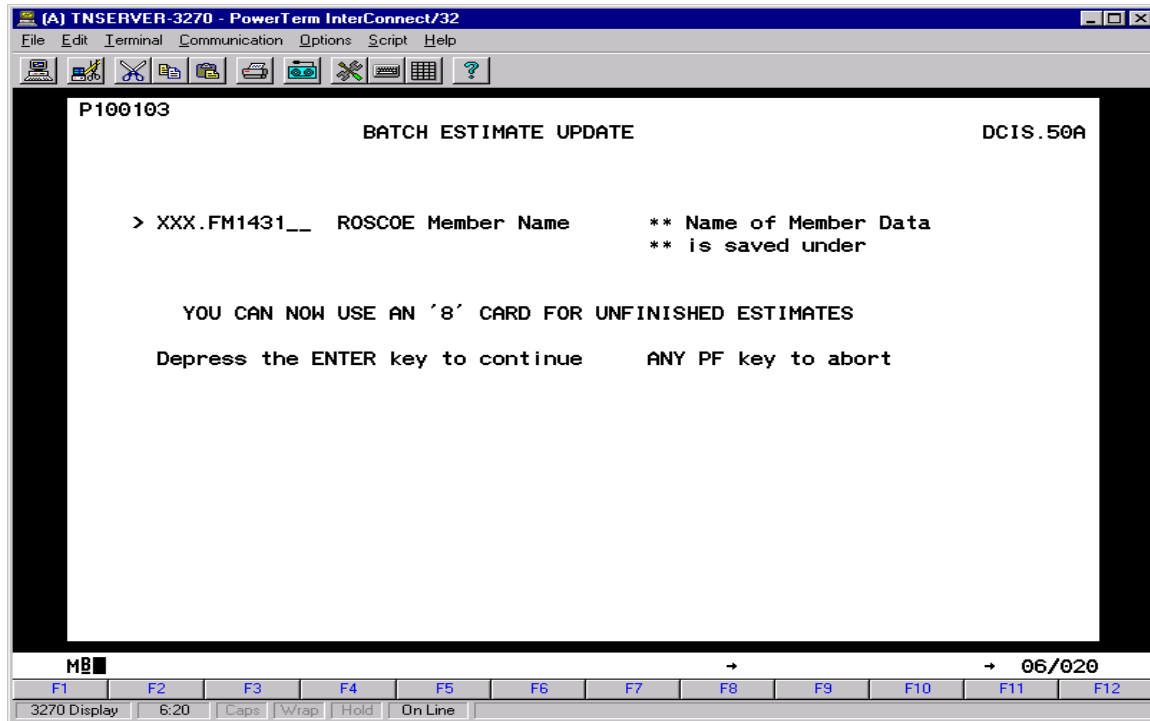
You should now have a member that has all of the combined CSJs. You can use this to upload the combined estimates.

Following are the standard commands for uploading the converted estimate file to Design and Construction Information System (DCIS)

1. At the top of the AWS type "RJEJCL 10 1", press Enter  
If the Job card is filled out, press Enter again
2. Type "3" for P414450-Batch Estimate Update, press Enter



3. Type in the ROSCOE member name, press Enter



4. Type "X" for Submit the Job using JSUB, press Enter.
5. At the top of the AWS type "JOUT" and press Enter.
6. Type "1" and press the Enter key to see the information about your transaction.
7. When the Job status states "Awaiting Print", press the F2 key.

Press F2 till you get to the error file. Check to see if there were any errors. This is a 132-column report.

F1 Previous File  
 F2 Next File  
 F4 Previous 70 columns  
 F5 Next 70 columns  
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## Design Division Support

For assistance with Estimator and any of these applications, feel free to contact Cynthia Landez at (512)416-2391 or [Cynthia.Landez@txdot.gov](mailto:Cynthia.Landez@txdot.gov)